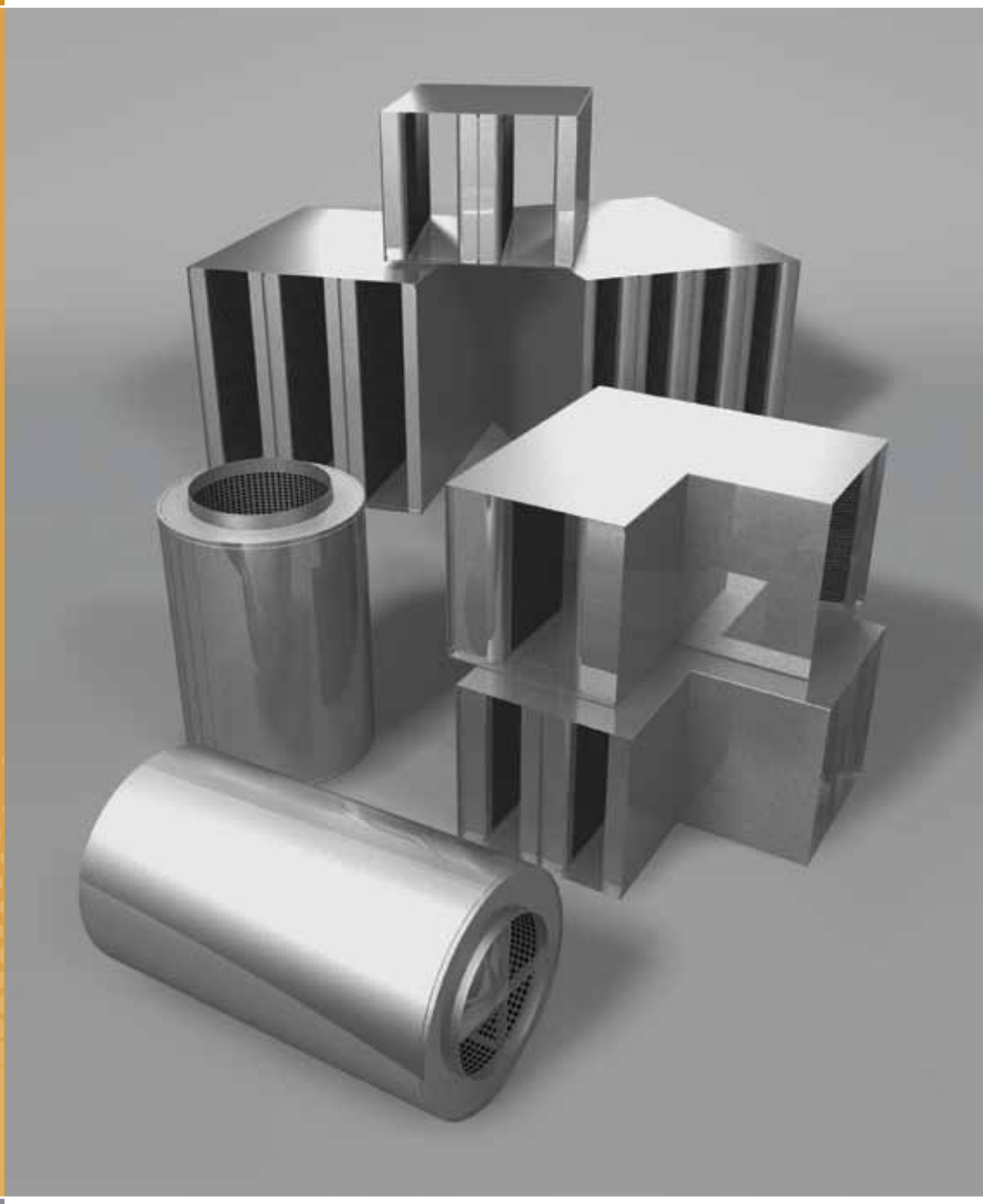
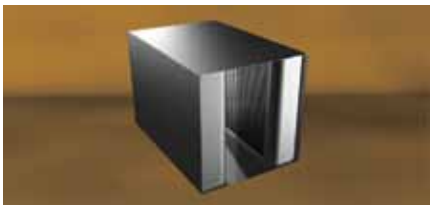
SECTION M



Noise Control

Absorptive Silencers



Absorptive Rectangular Silencers RL, RM, RH Series

Price Absorptive Rectangular Silencers utilize perforated internal baffles composed of acoustic grade fiberglass media for in-duct noise attenuation. They are available in a wide range of materials, sizes and configurations.

..... **M28**

Absorptive Rectangular Extended Casing Silencers
RLX, RMX, RHX Series

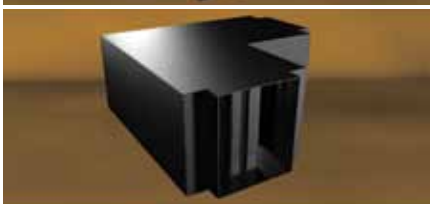
Price Absorptive Rectangular Extended Casing Silencers are designed for applications where higher insertion loss is required at lower frequencies. This is accomplished by extending the thickness of the internal baffles.

..... **M58**

Absorptive Elbow Silencers ERM Series

Price Absorptive Elbow Silencers are designed to fit where short duct runs do not allow for standard rectangular silencers. They also provide the added benefit of improved mid frequency attenuation.

..... **M87**



Absorptive Elbow Extended Casing Silencers ERMX Series

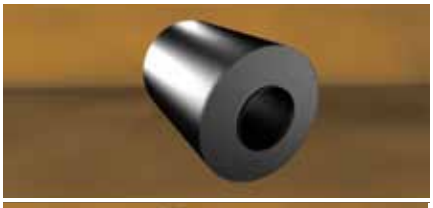
Price Absorptive Elbow Extended Casing Silencers are designed for applications where higher insertion loss is required at lower frequencies. This is accomplished by increasing baffle thickness.

..... **M99**

Absorptive Circular Silencers CM, CH Series

Price Absorptive Circular Silencers provide in-duct noise attenuation for circular duct work while eliminating the need for circular-to-rectangular transitions.

..... **M110**



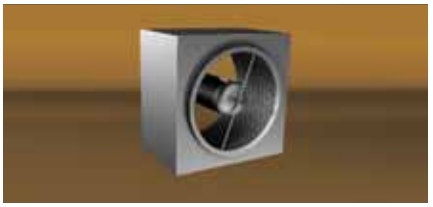
Absorptive Circular Extended Casing Silencers
CMX, CHX Series

Price Absorptive Circular Extended Casing Silencers are designed with an expanded outer shell for applications where higher insertion losses are required at lower frequencies. They also eliminate the need for round to rectangular transitions. **M123**

Absorptive Circular Silencers CMP Series

Price Absorptive Circular Silencer Model CMP is designed for when it is undesirable for there to be an external wall past the circular duct connection. It can also be supplied as a pod only to be inserted into an existing circular duct.

..... **M135**



Axial Fan Silencers AFS Series

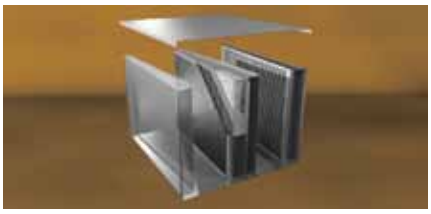
Price Axial Fan Silencers are custom built for close coupling to axial fans. These silencers are engineered to provide noise attenuation at the source and improve fan aerodynamic performance at the inlet and discharge.

..... **M140**

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

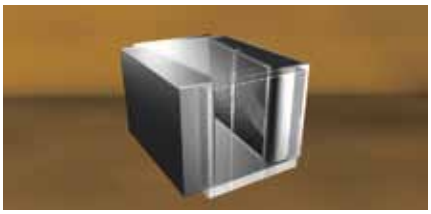
Film Lined Silencers



Absorptive Rectangular Film Lined Silencers
RLT, RMT, RHT, Legacy Series

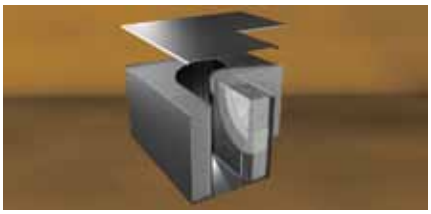
Price Absorptive Rectangular Film Lined Silencers utilize a thin layer of polymer film around the internal acoustic media to protect the media in applications where moisture and airborne contaminants are present.

..... **M154**



Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

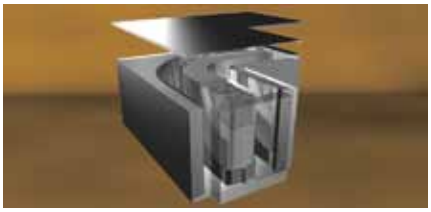
Price Absorptive Rectangular Film Lined Extended Casing Silencers are designed for applications where higher insertion loss is required in lower frequencies and additional protection against airborne contaminants and moisture is needed. This is accomplished by extending the thickness of the internal baffles and wrapping the internal acoustic media with a thin layer of polymer film..... **M184**



Absorptive Elbow Film Lined Silencers ERMT Series

Price Absorptive Elbow Film Lined Silencers are designed to fit where short duct runs do not allow for standard rectangular silencers. The acoustic media is wrapped in a thin layer of polymer film to protect against moisture and airborne particulates.

..... **M213**

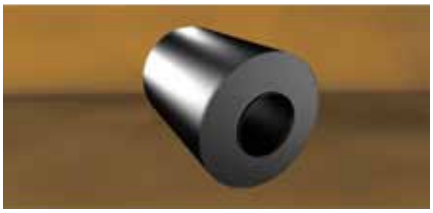


Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Price Absorptive Elbow Film Lined Extended Casing Silencers are designed for short duct runs where higher insertion loss is required in lower frequencies and additional protection against airborne contaminants and moisture is needed. This is accomplished by increasing baffle thickness and wrapping the internal acoustic media with a thin layer of polymer film..... **M225**

Absorptive Circular Film Lined Silencers CMT, CHT Series

Price Absorptive Circular Film Lined Silencers provide a solution to unwanted circular duct noise, with additional protection against airborne contaminants and moisture, while eliminating the need for circular-to-rectangular transitions. The internal acoustic media is protected by a thin layer of polymer film that is wrapped around the media..... **M236**

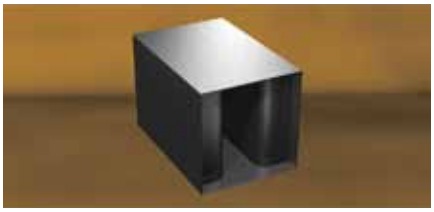


Absorptive Circular Film Lined Extended Casing Silencers
CMTX, CHTX Series

Price Absorptive Circular Film Lined Extended Casing Silencers have the improved insertion loss performance in lower frequencies, with additional protection against airborne contaminants and moisture. This is accomplished by increasing baffle thickness and wrapping the internal acoustic media with a thin layer of polymer film. **M249**

© Copyright Price Industries Limited 2014.

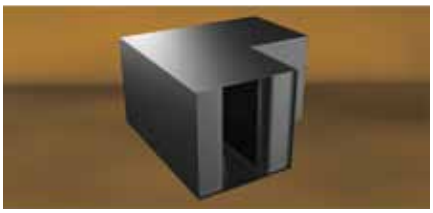
Packless Silencers



Packless Rectangular Silencers PRM Series

Price Packless Rectangular Silencers contain no acoustic media. Instead, these silencers are designed with special perforated liners and tuned chambers, which are perfect for applications where corrosive gases are present or for clean room ventilation systems.

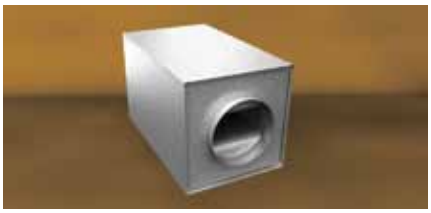
..... **M261**



Packless Elbow Rectangular Silencers PERM Series

Price Packless Elbow Rectangular Silencers contain no acoustic media. Instead, these silencers are designed with special perforated liners and tuned chambers, which are great for applications where corrosive gases are present or for clean room ventilation systems where standard rectangular silencers will not fit because of short duct runs.

..... **M270**



Packless Circular Silencers
PCLS, PCLB, PCMS, PCMB, PCHS, PCHB Series

Price Packless Circular Silencers contain no acoustic media. Instead, these silencers are designed with special perforated liners and multiple chambers that are tuned as resonators. These silencers are perfect for round ductwork applications where corrosive gases are present or for clean room ventilation systems. **M279**

Packless Elbow Circular Silencers
PECLS, PECLB, PECMS, PECMB, PECHS, PECHB Series

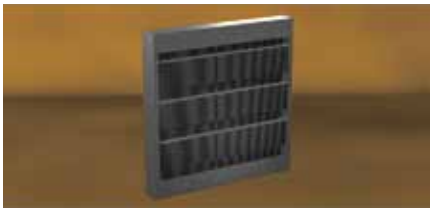
Price Packless Elbow Circular Silencers contain no acoustic media and are often used when standard silencers will not fit because of space constraints. These silencers are designed with special perforated liners and tuned chambers, which are perfect for round ductwork applications where corrosive gases are present or for clean room ventilation systems. **M312**

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Noise Control

Air Transfer Silencers



Thin Line Return Dissipaters TLRD®, TLRD-LP, TLRD-LP-T Series

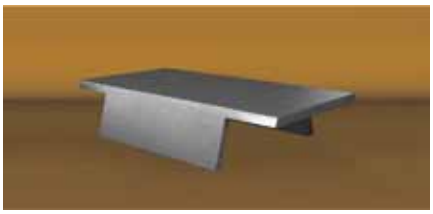
Price Thin Line Return Dissipaters are lab-rated solutions that utilize multiple acoustic baffles staggered in a frame that is only 4" thick. They are useful at reducing noise flanking between adjacent occupied spaces via common return air ceiling plenums or through standard transfer grilles.

..... **M345**

Cross Talk Silencers XTL, XTZ, XTU Series

Price Cross Talk Silencers provide lab-rated performance for reducing noise flanking between adjacent spaces when air transfer is necessary. Cross Talk Silencers come in three basic geometries depending on project requirements and can help partitions maintain sound transmission class (STC) ratings.

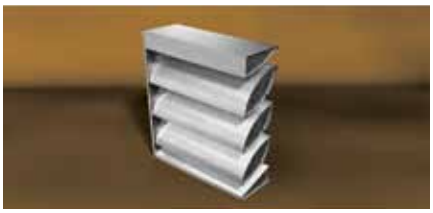
..... **M348**



Return Air Canopy RAC Series

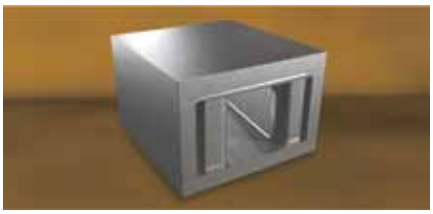
The Price Return Air Canopy provides a low cost solution for improving speech privacy between adjoining spaces. This laboratory tested product provides noise attenuation while allowing for maximum airflow through the return grille.

..... **M348**



Acoustic Louvers QA, QAF Series

Price Acoustic Louvers are aerodynamically designed to provide air flow ventilation while maintaining maximum attenuation of unwanted noise. Both blade and airfoil designs come in a wide variety of thicknesses, durable finishes, and material options. Price Acoustic Louvers are AMCA certified and fully welded to ensure the highest quality. **M351**

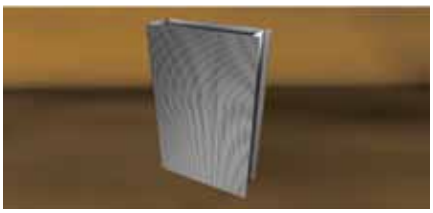


Sound Transmission Class Silencers STC Series

Price R-STC Silencers are designed to provide noise reduction performance meeting STC 40, 45, 50 and 55 ratings, and as required include a high transmission loss (HTL) casing with double wall construction to maintain the acoustic integrity of the unit.

..... **M351**

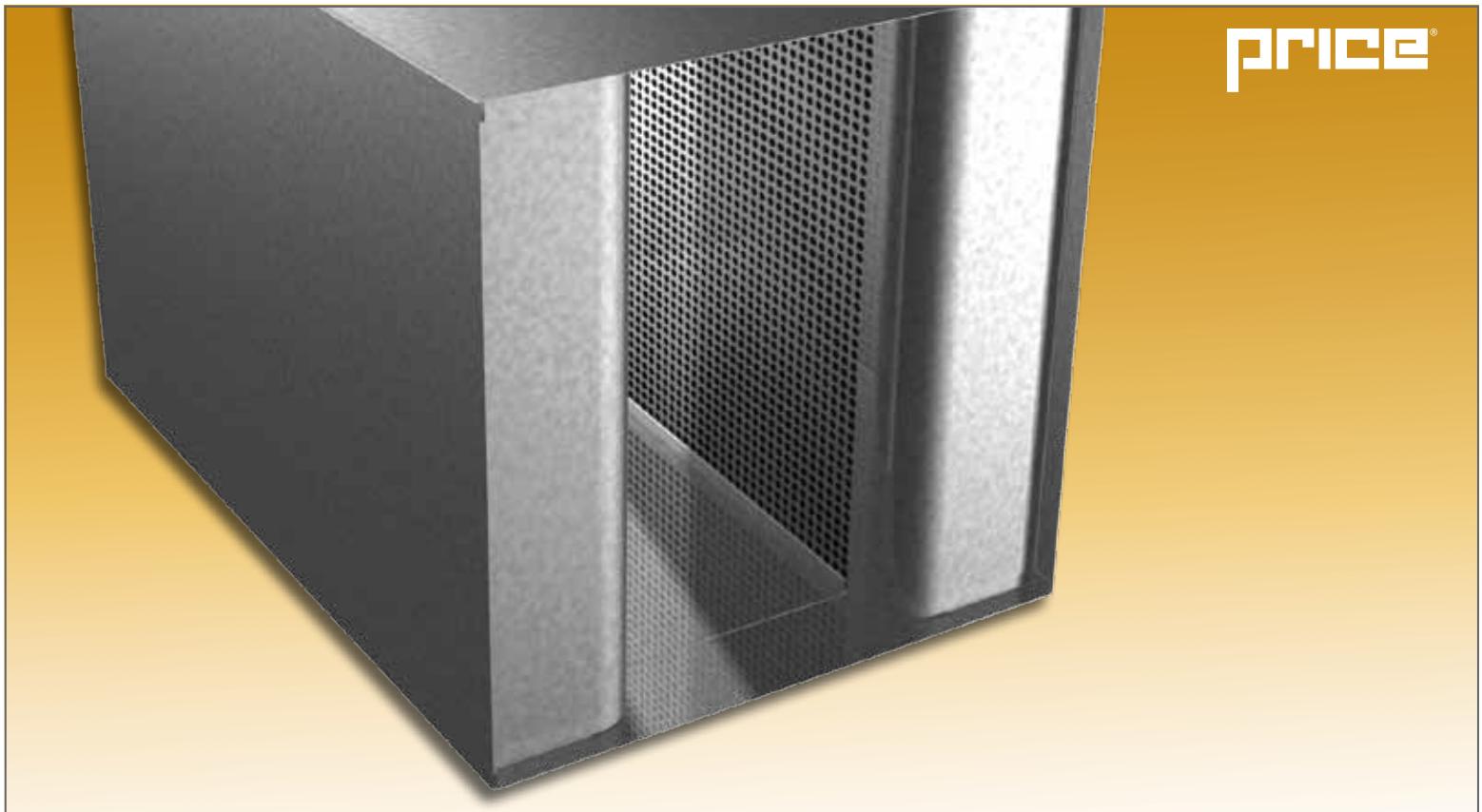
Panels and Enclosures



Acoustic Panels and Enclosures
QLP2, QLP4, QLP6 Series

Price Acoustic Panels and Enclosures are an effective method to control excessive equipment noise. The easy to install tongue and groove design is engineered for maximum flexibility. The versatile line of panels is ideal for use in wall barriers and enclosures that can be custom designed to suit almost any application. **M359**

© Copyright Price Industries Limited 2014.

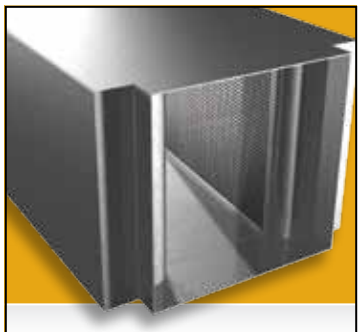


Rectangular

ABSORPTIVE SILENCERS

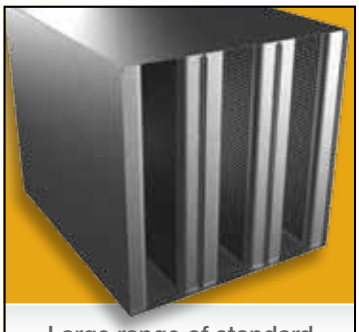
Standard sizes offer several variations of internal geometries based on the required performance. Each rectangular absorptive silencer has been developed and tested in the NVLAP® accredited Price Sound Lab to provide maximum attenuation with minimal pressure drop.

Superior construction and reliable performance, with the widest range of options available in the industry.



Extended casing option

Optimized internal geometries



Large range of standard configurations

Cost-effective noise control

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Product Information

Models

Rectangular Silencers

Rectangular Low Velocity	**RL**
Rectangular Medium Velocity	**RM**
Rectangular High Velocity	**RH**

Price Absorptive Rectangular Silencers are designed to provide solutions to any and all HVAC noise control applications by providing several variations of internal geometries. Each silencer model has been developed to maximize insertion loss while minimizing system pressure drops. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Optimized inlet radius to minimize turbulent flow and reduce pressure drops.
- Engineered internal geometries that maximize static regain.
- Highest quality welded construction with mechanical fasteners used only where absolutely necessary. Screws are never used.
- 2" slip connection on both ends.

RL Silencers

Price RL absorptive silencers are designed for low velocity applications. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a constant gap and smooth aerodynamic surface throughout, these silencers are best suited for applications with velocities below 750 fpm, where high insertion loss is the priority.

RM Silencers

Price RM absorptive silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 1750 fpm or less.

RH Silencers

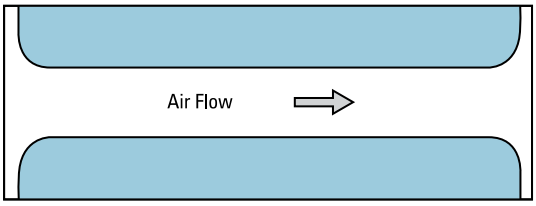
Price RH absorptive silencers are designed for high velocity applications. This high velocity configuration minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the full range of frequencies. The RH silencer is best suited for applications where high air velocities cannot be avoided.

Recommended Air Velocity Ranges

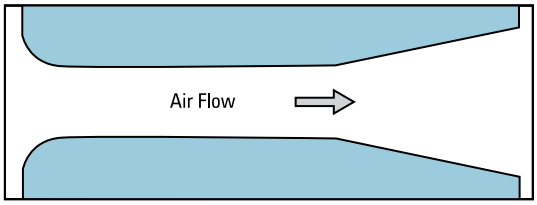
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
RL	Low Velocity Silencer	0 - 750
RM	Medium Velocity Silencer	0-1750
RH	High Velocity Silencer	0-2500

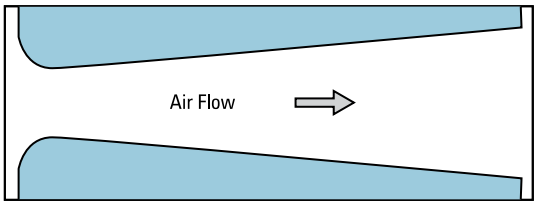
RL - Rectangular Low Velocity



RM - Rectangular Medium Velocity



RH - Rectangular High Velocity



RL60/6A

- Air Velocity
  - L - Low Velocity
  - M - Medium Velocity
  - H - High Velocity
- Length
  - Range from 24" - 120"
- Module Factor
  - 1 - 12" - 13.99"
  - 2 - 14" - 16.99"
  - 3 - 17" - 18.99"
  - 4 - 19" - 20.99"
  - 5 - 21" - 22.99"
  - 6 - 23" - 24.99"
  - 7 - 25" - 26.99"
  - 8 - 27" - 28.99"
  - 9 - 29" - 30.99"
  - U - 31" - 32.99"
  - V - 33" - 34.99"
  - W - 35" - 38.99"
  - X - 39" - 42.99"
  - Y - 43" - 46.99"
  - Z - 47" - 50"
- Pressure/Attenuation Code
  - Range From A - G

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price absorptive rectangular silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Components

Rectangular silencers that exceed a width of 48 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensional Data

Price absorptive rectangular silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

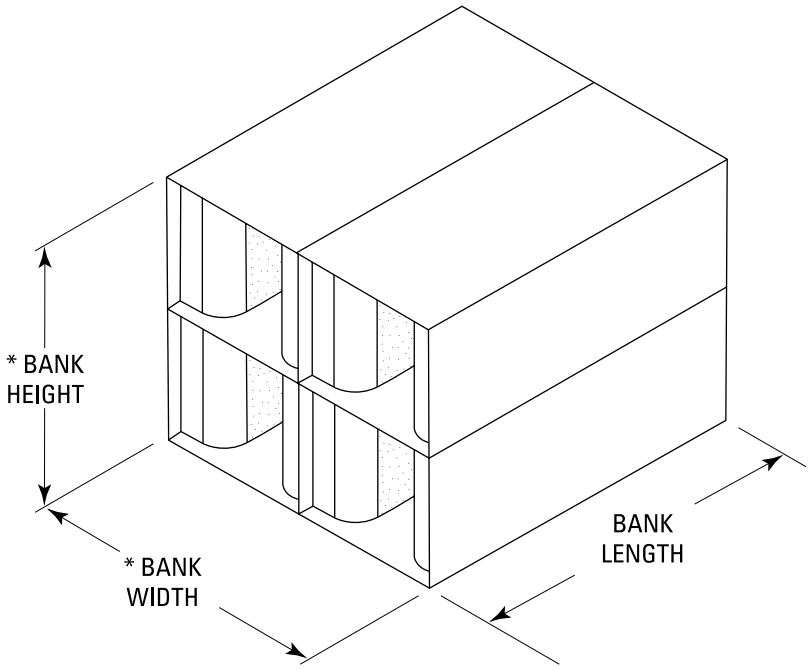
- Paint
- Fiberglass Cloth
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Bank Width		Bank Height		Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	240	6	144	24	120	6	48	6	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.
- Minimum length for RM configuration is 36 inches.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	24-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.06 (15)	2	3	9	19	24	19	15	12
	+500 (+2.54)	0.03 (8)	3	4	9	19	25	19	14	11
	0 (0)	0.00 (0)	2	3	9	20	24	19	13	12
	-500 (-2.54)	0.03 (8)	3	4	10	20	25	18	14	12
	-750 (-3.81)	0.06 (15)	2	4	10	20	25	18	14	11
60 (1500)	+750 (+3.81)	0.10 (24)	3	4	14	29	42	36	21	15
	+500 (+2.54)	0.05 (11)	4	4	14	29	42	35	21	14
	0 (0)	0.00 (0)	4	5	15	30	43	35	21	14
	-500 (-2.54)	0.05 (11)	4	5	15	31	43	35	20	12
	-750 (-3.81)	0.10 (24)	4	5	16	31	44	35	20	13
84 (2100)	+750 (+3.81)	0.09 (22)	4	7	18	36	46	41	25	17
	+500 (+2.54)	0.04 (11)	5	7	18	37	47	41	25	16
	0 (0)	0.00 (0)	5	7	19	37	47	41	24	16
	-500 (-2.54)	0.04 (11)	5	8	20	38	47	41	24	14
	-750 (-3.81)	0.09 (22)	5	8	20	38	48	41	24	15
108 (2700)	+750 (+3.81)	0.08 (20)	5	9	21	43	51	47	29	18
	+500 (+2.54)	0.04 (10)	6	9	22	44	51	47	28	18
	0 (0)	0.00 (0)	6	10	23	44	51	47	28	17
	-500 (-2.54)	0.04 (10)	6	10	24	45	51	46	28	16
	-750 (-3.81)	0.08 (20)	6	11	25	46	51	46	28	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.03 (8)	0.06 (15)
60 (1500)	0.03 (9)	0.07 (17)
84 (2100)	0.04 (9)	0.07 (18)
108 (2700)	0.04 (10)	0.08 (20)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	37	20	22	30	30	25	16	10
	+500 (+2.54)	28	20	15	23	22	15	10	10
	-500 (-2.54)	25	20	24	31	27	22	10	10
	-750 (-3.81)	33	26	30	35	33	31	21	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12 - 13	24-26	36 - 39	48 - 52	60 - 65	72 - 78	84 - 91	96 - 104	107 - 117	120 - 240	6 - 144	24 - 120
Metric	150	300 - 325	600 - 600	900 - 975	1200 - 1300	1500 - 1625	1800 - 1950	2100 - 2275	2400 - 2600	2700 - 2925	3000 - 6000	150 - 3600	600 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.14 (35)	3	6	14	26	32	28	20	15
	+500 (+2.54)	0.06 (15)	4	6	15	27	33	29	20	14
	0 (0)	0.00 (0)	4	6	15	28	34	28	19	14
	-500 (-2.54)	0.06 (15)	4	7	16	29	34	29	19	14
	-750 (-3.81)	0.14 (35)	4	8	17	29	35	29	20	14
60 (1500)	+750 (+3.81)	0.15 (36)	6	9	19	38	48	45	32	21
	+500 (+2.54)	0.07 (16)	6	10	20	39	48	45	32	20
	0 (0)	0.00 (0)	6	10	20	40	48	45	25	20
	-500 (-2.54)	0.07 (16)	6	10	21	40	48	45	25	20
	-750 (-3.81)	0.15 (36)	7	11	21	40	48	45	25	19
84 (2100)	+750 (+3.81)	0.17 (42)	8	12	25	43	50	50	36	26
	+500 (+2.54)	0.07 (18)	8	12	26	44	50	50	35	25
	0 (0)	0.00 (0)	9	13	28	44	50	50	31	24
	-500 (-2.54)	0.07 (18)	9	14	29	44	50	50	30	23
	-750 (-3.81)	0.17 (42)	10	15	30	45	50	50	30	23
108 (2700)	+750 (+3.81)	0.19 (47)	9	14	31	48	53	55	40	31
	+500 (+2.54)	0.08 (20)	10	15	33	48	53	55	39	30
	0 (0)	0.00 (0)	11	16	36	49	52	55	37	29
	-500 (-2.54)	0.08 (20)	12	17	37	49	52	55	35	27
	-750 (-3.81)	0.19 (47)	12	18	39	49	52	55	34	26

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.06 (15)	0.14 (35)
60 (1500)	0.08 (19)	0.14 (35)
84 (2100)	0.08 (20)	0.17 (43)
108 (2700)	0.08 (20)	0.19 (47)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	44	24	29	35	35	33	25	18
	+500 (+2.54)	34	20	19	28	27	22	12	10
	-500 (-2.54)	31	24	28	34	31	28	17	10
	-750 (-3.81)	39	31	34	38	37	37	30	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	24-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.38 (95)	4	8	19	33	41	38	26	18
	+500 (+2.54)	0.18 (45)	6	9	20	35	42	38	26	18
	0 (0)	0.00 (0)	6	10	21	36	43	38	25	17
	-500 (-2.54)	0.18 (45)	6	11	22	37	44	39	25	17
	-750 (-3.81)	0.38 (95)	6	12	24	38	44	40	25	16
60 (1500)	+750 (+3.81)	0.47 (117)	8	11	27	42	48	51	47	29
	+500 (+2.54)	0.21 (52)	8	12	28	43	48	51	47	29
	0 (0)	0.00 (0)	8	13	30	43	48	51	47	28
	-500 (-2.54)	0.21 (52)	10	14	32	44	48	51	44	25
	-750 (-3.81)	0.47 (117)	9	15	32	45	48	51	43	24
84 (2100)	+750 (+3.81)	0.49 (121)	11	15	32	47	50	53	51	37
	+500 (+2.54)	0.22 (54)	11	16	33	47	50	53	50	36
	0 (0)	0.00 (0)	12	17	34	48	51	53	49	34
	-500 (-2.54)	0.22 (54)	14	19	36	49	51	53	48	31
	-750 (-3.81)	0.49 (121)	14	20	38	49	51	53	48	30
108 (2700)	+750 (+3.81)	0.50 (124)	13	19	36	51	52	55	54	45
	+500 (+2.54)	0.22 (55)	15	20	37	52	53	55	54	43
	0 (0)	0.00 (0)	16	22	39	53	53	55	52	41
	-500 (-2.54)	0.22 (55)	18	24	41	53	53	55	52	37
	-750 (-3.81)	0.50 (124)	19	26	43	53	54	55	52	36

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.18 (45)	0.38 (95)
60 (1500)	0.19 (48)	0.42 (105)
84 (2100)	0.21 (51)	0.46 (114)
108 (2700)	0.22 (55)	0.50 (124)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	54	38	39	43	44	43	39	32
	+500 (+2.54)	44	24	29	35	35	33	25	18
	-500 (-2.54)	39	31	34	38	37	37	30	23
	-750 (-3.81)	47	39	41	43	43	45	42	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width												Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240		6 - 144	24 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000		150 - 3600	600 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.06 (14)	2	6	11	15	14	10	8	9
	+500 (+2.54)	0.03 (6)	3	6	11	16	14	10	7	9
	0 (0)	0.00 (0)	2	5	11	16	13	9	7	8
	-500 (-2.54)	0.03 (6)	2	5	12	16	13	9	8	10
	-750 (-3.81)	0.06 (14)	2	5	12	16	13	8	8	8
60 (1500)	+750 (+3.81)	0.06 (14)	3	8	16	22	21	14	9	10
	+500 (+2.54)	0.03 (7)	3	8	17	23	21	13	9	10
	0 (0)	0.00 (0)	3	8	17	23	21	12	9	9
	-500 (-2.54)	0.03 (7)	3	9	17	23	21	12	9	9
	-750 (-3.81)	0.06 (14)	3	9	18	24	21	12	9	9
84 (2100)	+750 (+3.81)	0.06 (15)	3	11	22	29	29	17	11	11
	+500 (+2.54)	0.03 (7)	4	11	22	30	29	17	10	10
	0 (0)	0.00 (0)	4	11	23	30	29	16	10	9
	-500 (-2.54)	0.03 (7)	4	12	23	31	29	16	10	9
	-750 (-3.81)	0.06 (15)	4	12	24	31	29	16	11	9
108 (2700)	+750 (+3.81)	0.06 (15)	4	13	27	36	37	20	12	12
	+500 (+2.54)	0.03 (8)	4	13	28	37	37	20	12	11
	0 (0)	0.00 (0)	4	14	29	37	37	20	11	10
	-500 (-2.54)	0.03 (8)	5	15	29	38	37	20	11	9
	-750 (-3.81)	0.06 (15)	5	16	30	39	38	20	12	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.03 (6)	0.06 (14)
60 (1500)	0.03 (7)	0.06 (14)
84 (2100)	0.03 (7)	0.06 (15)
108 (2700)	0.03 (8)	0.06 (15)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	37	15	22	30	30	25	16	10
	+500 (+2.54)	28	20	15	23	22	15	10	10
	-500 (-2.54)	25	20	24	31	27	22	10	10
	-750 (-3.81)	33	26	30	35	33	31	21	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69-72	92-96	115-120	138-144	161-168	184-192	207-216	230-240	6-144	24-120
Metric	300	575-600	1150-1200	1725-1800	2300-2400	2875-3000	3450-3600	4025-4200	4600-4800	5175-5400	5750-6000	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.11 (28)	4	7	15	20	21	15	10	10
	+500 (+2.54)	0.05 (13)	4	8	15	21	21	15	10	10
	0 (0)	0.00 (0)	4	8	16	21	21	15	10	9
	-500 (-2.54)	0.05 (13)	5	8	16	22	20	16	12	11
	-750 (-3.81)	0.11 (28)	5	8	17	22	21	16	12	10
60 (1500)	+750 (+3.81)	0.13 (32)	4	10	22	33	29	20	13	9
	+500 (+2.54)	0.07 (18)	5	10	22	34	29	20	12	9
	0 (0)	0.00 (0)	5	11	23	35	29	19	12	7
	-500 (-2.54)	0.07 (18)	6	16	24	35	29	21	14	9
	-750 (-3.81)	0.13 (32)	7	17	25	36	29	21	14	8
84 (2100)	+750 (+3.81)	0.14 (34)	7	13	30	39	38	24	15	13
	+500 (+2.54)	0.07 (17)	8	14	31	40	38	24	15	13
	0 (0)	0.00 (0)	8	14	32	41	38	23	14	11
	-500 (-2.54)	0.07 (17)	9	17	33	41	39	25	17	13
	-750 (-3.81)	0.14 (34)	10	18	34	42	39	26	16	12
108 (2700)	+750 (+3.81)	0.15 (36)	9	16	37	45	48	29	18	17
	+500 (+2.54)	0.07 (16)	10	17	39	46	48	28	17	17
	0 (0)	0.00 (0)	11	18	41	46	48	27	16	15
	-500 (-2.54)	0.07 (16)	12	18	42	47	49	29	19	17
	-750 (-3.81)	0.15 (36)	12	19	43	48	49	30	18	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.05 (13)	0.11 (28)
60 (1500)	0.07 (18)	0.13 (32)
84 (2100)	0.07 (17)	0.14 (35)
108 (2700)	0.07 (16)	0.15 (36)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	44	24	29	35	35	33	25	18
	+500 (+2.54)	34	20	19	28	27	22	12	10
	-500 (-2.54)	31	24	28	34	31	28	17	10
	-750 (-3.81)	39	31	34	38	37	37	30	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69-72	92-96	115-120	138-144	161-168	184-192	207-216	230-240	6-144	24-120
Metric	300	575-600	1150-1200	1725-1800	2300-2400	2875-3000	3450-3600	4025-4200	4600-4800	5175-5400	5750-6000	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.32 (79)	5	9	18	25	28	21	13	11
	+500 (+2.54)	0.15 (37)	6	9	19	26	28	21	13	10
	0 (0)	0.00 (0)	6	10	20	27	28	20	12	9
	-500 (-2.54)	0.15 (37)	7	11	21	28	28	23	15	12
	-750 (-3.81)	0.32 (79)	8	11	22	28	28	23	15	11
60 (1500)	+750 (+3.81)	0.35 (86)	8	14	25	36	42	38	23	16
	+500 (+2.54)	0.16 (40)	9	14	26	37	43	38	23	16
	0 (0)	0.00 (0)	10	15	28	38	44	38	22	15
	-500 (-2.54)	0.16 (40)	11	15	30	39	45	39	21	13
	-750 (-3.81)	0.35 (86)	11	16	30	40	46	38	21	14
84 (2100)	+750 (+3.81)	0.38 (93)	12	18	36	43	47	41	26	19
	+500 (+2.54)	0.17 (43)	13	18	37	44	47	41	25	19
	0 (0)	0.00 (0)	14	19	39	44	48	40	24	16
	-500 (-2.54)	0.17 (43)	16	20	40	45	49	42	24	17
	-750 (-3.81)	0.38 (93)	16	20	40	45	49	42	24	16
108 (2700)	+750 (+3.81)	0.40 (101)	15	22	47	51	52	45	29	22
	+500 (+2.54)	0.19 (47)	17	22	48	51	52	44	28	21
	0 (0)	0.00 (0)	19	23	50	51	52	43	26	18
	-500 (-2.54)	0.19 (47)	20	24	50	51	52	45	27	20
	-750 (-3.81)	0.40 (101)	21	25	51	51	52	45	26	18

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.15 (37)	0.32 (79)
60 (1500)	0.16 (40)	0.35 (86)
84 (2100)	0.17 (43)	0.38 (93)
108 (2700)	0.19 (47)	0.40 (101)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	54	38	39	43	44	43	39	32
	+500 (+2.54)	44	24	29	35	35	33	25	18
	-500 (-2.54)	39	31	34	38	37	37	30	23
	-750 (-3.81)	47	39	41	43	43	45	42	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	24-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.05 (11)	2	6	8	13	10	8	6	3
	+500 (+2.54)	0.03 (7)	2	6	9	13	10	8	5	3
	0 (0)	0.00 (0)	3	6	9	13	9	7	5	2
	-500 (-2.54)	0.03 (7)	3	6	9	13	10	8	6	2
	-750 (-3.81)	0.05 (11)	4	7	10	13	9	7	6	1
60 (1500)	+750 (+3.81)	0.06 (14)	4	8	11	18	12	6	3	5
	+500 (+2.54)	0.03 (7)	4	8	12	18	11	6	3	5
	0 (0)	0.00 (0)	4	9	12	18	11	5	3	4
	-500 (-2.54)	0.03 (7)	5	9	13	19	12	5	4	4
	-750 (-3.81)	0.06 (14)	5	10	13	19	12	5	4	3
84 (2100)	+750 (+3.81)	0.05 (11)	6	10	18	25	16	11	9	9
	+500 (+2.54)	0.03 (7)	7	10	18	26	17	11	9	7
	0 (0)	0.00 (0)	7	11	19	26	16	10	9	7
	-500 (-2.54)	0.03 (7)	8	11	19	26	16	10	8	5
	-750 (-3.81)	0.05 (11)	8	11	20	27	16	10	8	5
108 (2700)	+750 (+3.81)	0.06 (16)	7	13	20	32	20	12	8	6
	+500 (+2.54)	0.03 (7)	7	13	21	32	20	12	8	6
	0 (0)	0.00 (0)	8	14	22	33	20	11	8	5
	-500 (-2.54)	0.03 (7)	9	15	23	34	20	11	8	4
	-750 (-3.81)	0.06 (16)	9	15	23	34	20	11	8	4

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.03 (7)	0.05 (11)
60 (1500)	0.03 (7)	0.06 (14)
84 (2100)	0.03 (7)	0.05 (11)
108 (2700)	0.03 (7)	0.06 (14)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	39	20	23	32	31	27	17	12
	+500 (+2.54)	29	20	15	24	23	16	12	12
	-500 (-2.54)	26	20	25	32	29	24	12	12
	-750 (-3.81)	35	27	31	37	35	32	22	15

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	36-144	24-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.10 (26)	4	8	11	16	11	7	6	7
	+500 (+2.54)	0.04 (11)	4	9	11	16	11	7	5	7
	0 (0)	0.00 (0)	4	9	11	17	11	7	6	6
	-500 (-2.54)	0.04 (11)	5	10	12	17	11	7	6	5
	-750 (-3.81)	0.10 (26)	6	10	12	17	12	7	6	5
60 (1500)	+750 (+3.81)	0.12 (30)	7	12	14	23	19	10	6	7
	+500 (+2.54)	0.05 (13)	8	13	15	23	18	9	6	7
	0 (0)	0.00 (0)	8	14	16	24	18	9	5	6
	-500 (-2.54)	0.05 (13)	9	14	16	25	19	9	7	6
	-750 (-3.81)	0.12 (30)	10	15	16	25	19	10	7	6
84 (2100)	+750 (+3.81)	0.12 (30)	9	15	20	32	26	15	10	8
	+500 (+2.54)	0.05 (13)	10	16	21	33	25	15	10	9
	0 (0)	0.00 (0)	11	16	22	33	25	14	9	7
	-500 (-2.54)	0.05 (13)	12	17	23	34	26	14	9	5
	-750 (-3.81)	0.12 (30)	12	17	23	34	26	15	10	5
108 (2700)	+750 (+3.81)	0.12 (29)	11	18	24	39	34	20	14	12
	+500 (+2.54)	0.06 (14)	12	18	25	40	34	19	14	11
	0 (0)	0.00 (0)	13	19	26	40	33	19	13	9
	-500 (-2.54)	0.06 (14)	12	18	25	40	34	19	14	11
	-750 (-3.81)	0.12 (29)	11	18	24	39	34	20	14	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.04 (11)	0.10 (26)
60 (1500)	0.05 (13)	0.12 (30)
84 (2100)	0.05 (13)	0.12 (30)
108 (2700)	0.06 (14)	0.12 (29)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	46	26	30	37	37	34	27	20
	+500 (+2.54)	36	20	20	30	29	24	13	12
	-500 (-2.54)	32	25	30	36	33	30	18	12
	-750 (-3.81)	41	33	36	40	39	38	31	24

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RL/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	24-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	++750 (+3.81)	0.28 (70)	4	10	17	24	20	14	11	10
	+500 (+2.54)	0.13 (32)	5	11	18	25	20	14	11	10
36 (900)	0 (0)	0.00 (0)	5	11	19	25	20	13	10	8
	-500 (-2.54)	0.13 (32)	6	12	19	25	20	15	12	10
	-750 (-3.81)	0.28 (70)	6	13	20	26	21	16	11	9
	+750 (+3.81)	0.33 (81)	8	17	21	32	32	20	13	13
	+500 (+2.54)	0.16 (41)	9	17	22	33	32	20	13	12
60 (1500)	0 (0)	0.00 (0)	10	19	23	35	33	19	13	11
	-500 (-2.54)	0.16 (41)	11	19	24	35	33	21	13	12
	-750 (-3.81)	0.33 (81)	11	20	24	36	34	22	13	9
	+750 (+3.81)	0.35 (86)	10	21	26	41	43	27	17	14
	+500 (+2.54)	0.16 (40)	10	22	28	43	43	27	17	13
84 (2100)	0 (0)	0.00 (0)	11	23	29	44	43	26	15	11
	-500 (-2.54)	0.16 (40)	11	23	31	45	44	28	16	11
	-750 (-3.81)	0.35 (86)	14	24	32	46	45	26	16	12
	+750 (+3.81)	0.34 (85)	14	25	33	50	52	34	22	18
	+500 (+2.54)	0.18 (44)	15	25	34	51	52	33	21	17
108 (2700)	0 (0)	0.00 (0)	16	25	36	52	52	32	19	13
	-500 (-2.54)	0.18 (44)	17	26	38	52	52	33	20	15
	-750 (-3.81)	0.34 (85)	19	26	40	52	52	31	19	15

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.13 (32)	0.28 (70)
60 (1500)	0.16 (41)	0.33 (81)
84 (2100)	0.16 (40)	0.35 (86)
108 (2700)	0.18 (44)	0.34 (85)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	55	39	41	44	45	44	41	34
All Lengths	+500 (+2.54)	46	26	30	37	37	34	27	20
	-500 (-2.54)	41	33	36	40	39	38	31	24
	-750 (-3.81)	49	40	42	44	45	47	44	36

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.19 (48)	1	3	8	17	25	20	15	13
	+1250 (+6.35)	0.10 (25)	2	4	8	17	26	20	15	13
	+750 (+3.81)	0.04 (9)	1	3	8	17	26	20	15	12
	+375 (+1.91)	0.01 (3)	2	3	8	18	27	20	14	12
36 (900)	0 (0)	0.00 (0)	1	3	8	19	26	20	15	14
	-375 (-1.91)	0.01 (3)	2	3	9	19	26	19	15	14
	-750 (-3.81)	0.04 (9)	1	4	9	19	27	19	16	14
	-1250 (-6.35)	0.10 (25)	1	4	9	19	27	19	15	14
	-1750 (-8.89)	0.19 (48)	2	4	10	20	27	20	16	15
	+1750 (+8.89)	0.23 (58)	2	4	12	25	33	28	20	17
	+1250 (+6.35)	0.12 (30)	2	5	12	25	33	29	20	16
	+750 (+3.81)	0.04 (11)	3	5	12	26	34	29	20	16
	+375 (+1.91)	0.01 (3)	3	5	13	26	34	28	19	15
60 (1500)	0 (0)	0.00 (0)	3	5	13	27	34	29	20	16
	-375 (-1.91)	0.01 (3)	3	5	14	28	34	28	20	16
	-750 (-3.81)	0.04 (11)	3	6	14	28	35	28	20	16
	-1250 (-6.35)	0.12 (30)	3	6	15	29	35	28	20	16
	-1750 (-8.89)	0.23 (58)	3	7	15	29	35	28	20	17
	+1750 (+8.89)	0.28 (69)	3	6	16	33	40	37	26	21
	+1250 (+6.35)	0.14 (36)	3	6	16	34	41	38	25	20
	+750 (+3.81)	0.05 (13)	4	6	17	34	41	38	25	19
	+375 (+1.91)	0.02 (4)	4	7	17	34	41	37	24	18
84 (2100)	0 (0)	0.00 (0)	4	7	18	36	42	37	24	18
	-375 (-1.91)	0.02 (4)	4	7	18	37	42	37	24	17
	-750 (-3.81)	0.05 (13)	5	8	19	38	43	37	24	18
	-1250 (-6.35)	0.14 (36)	5	9	20	38	42	37	24	18
	-1750 (-8.89)	0.28 (69)	5	9	21	39	42	36	24	19
	+1750 (+8.89)	0.32 (79)	4	7	20	41	47	45	31	24
	+1250 (+6.35)	0.16 (41)	4	7	20	42	49	47	30	23
	+750 (+3.81)	0.06 (14)	5	8	21	43	49	47	30	22
	+375 (+1.91)	0.02 (4)	5	9	22	42	48	45	30	22
108 (2700)	0 (0)	0.00 (0)	6	9	22	45	50	46	29	21
	-375 (-1.91)	0.02 (4)	6	9	23	46	50	46	28	19
	-750 (-3.81)	0.06 (14)	6	10	24	47	51	46	28	20
	-1250 (-6.35)	0.16 (41)	7	11	25	48	50	45	28	20
	-1750 (-8.89)	0.32 (79)	7	12	26	48	50	44	28	21

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.04 (9)	0.10 (25)	0.19 (48)
60 (1500)	0.01 (3)	0.04 (11)	0.12 (30)	0.23 (58)
84 (2100)	0.02 (4)	0.05 (13)	0.14 (36)	0.28 (69)
108 (2700)	0.02 (4)	0.06 (14)	0.16 (41)	0.32 (79)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	55	43	37	42	41	40	38	33
	+1250 (+6.35)	45	31	23	34	35	31	26	22
	+750 (+3.81)	31	20	15	21	26	18	10	10
All Lengths	+375 (+1.91)	25	20	15	15	13	10	10	10
	-375 (-1.91)	25	20	15	15	18	10	10	10
	-750 (-3.81)	25	20	15	23	30	13	18	10
	-1250 (-6.35)	38	20	19	33	38	37	35	26
	-1750 (-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.40 (100)	2	4	10	20	29	28	21	18
	+1250 (+6.35)	0.20 (50)	2	5	11	20	30	28	21	17
	+750 (+3.81)	0.07 (17)	2	5	11	21	31	28	21	16
	+375 (+1.91)	0.02 (4)	3	5	11	22	32	28	20	16
36 (900)	0 (0)	0.00 (0)	2	5	12	23	32	28	20	16
	-375 (-1.91)	0.02 (4)	3	6	13	23	32	28	21	17
	-750 (-3.81)	0.07 (17)	3	6	13	24	33	28	21	16
	-1250 (-6.35)	0.20 (50)	2	6	14	24	33	29	20	16
	-1750 (-8.89)	0.40 (100)	3	7	14	25	34	29	19	16
	+1750 (+8.89)	0.45 (113)	4	7	16	31	46	43	27	18
	+1250 (+6.35)	0.23 (57)	4	7	16	32	47	42	26	17
	+750 (+3.81)	0.08 (21)	5	8	17	33	48	42	26	17
	+375 (+1.91)	0.02 (6)	5	8	18	34	48	43	26	17
60 (1500)	0 (0)	0.00 (0)	5	9	19	35	48	41	23	14
	-375 (-1.91)	0.02 (6)	6	9	20	35	48	42	23	13
	-750 (-3.81)	0.08 (21)	6	10	21	36	49	41	23	13
	-1250 (-6.35)	0.23 (57)	6	10	21	36	49	41	22	14
	-1750 (-8.89)	0.45 (113)	7	11	23	36	50	41	22	14
	+1750 (+8.89)	0.50 (126)	6	9	21	41	51	49	35	26
	+1250 (+6.35)	0.26 (65)	7	9	22	42	51	49	34	24
	+750 (+3.81)	0.10 (24)	7	10	23	43	51	49	34	24
	+375 (+1.91)	0.03 (7)	8	10	24	43	51	49	33	23
84 (2100)	0 (0)	0.00 (0)	8	11	26	44	51	48	31	21
	-375 (-1.91)	0.03 (7)	9	11	27	45	51	49	31	20
	-750 (-3.81)	0.10 (24)	9	13	28	45	52	48	31	19
	-1250 (-6.35)	0.26 (65)	10	14	29	45	52	47	30	19
	-1750 (-8.89)	0.50 (126)	10	15	30	45	52	44	29	19
	+1750 (+8.89)	0.56 (139)	8	11	27	51	55	55	43	33
	+1250 (+6.35)	0.29 (72)	9	11	28	51	55	55	42	32
	+750 (+3.81)	0.11 (28)	9	12	29	52	54	55	41	31
	+375 (+1.91)	0.03 (8)	10	12	31	52	54	55	41	29
108 (2700)	0 (0)	0.00 (0)	11	13	32	53	54	55	39	27
	-375 (-1.91)	0.03 (8)	11	14	33	54	54	55	39	26
	-750 (-3.81)	0.11 (28)	13	16	35	54	54	55	38	26
	-1250 (-6.35)	0.29 (72)	14	18	37	54	55	52	37	25
	-1750 (-8.89)	0.56 (139)	14	20	38	54	54	47	35	24

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.07 (17)	0.20 (50)	0.40 (100)
60 (1500)	0.02 (6)	0.08 (21)	0.23 (57)	0.45 (113)
84 (2100)	0.03 (7)	0.1 (24)	0.26 (65)	0.50 (126)
108 (2700)	0.03 (8)	0.11 (28)	0.29 (72)	0.56 (139)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	63	53	48	49	46	47	48	43
	+1250 (+6.35)	53	41	35	41	40	38	36	32
	+750 (+3.81)	39	24	15	28	31	25	18	14
All Lengths	+375 (+1.91)	25	20	15	15	18	10	10	10
	-375 (-1.91)	25	20	15	16	23	12	10	10
	-750 (-3.81)	32	20	15	29	34	31	28	18
	-1250 (-6.35)	47	24	27	39	43	44	44	36
	-1750 (-8.89)	57	34	37	45	49	53	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	1.30 (323)	2	6	13	23	33	36	27	22
	+1250 (+6.35)	0.66 (164)	3	6	13	24	34	36	27	21
	+750 (+3.81)	0.25 (61)	3	6	14	25	36	36	26	20
	+375 (+1.91)	0.06 (15)	4	7	15	26	37	36	26	19
36 (900)	0 (0)	0.00 (0)	3	7	16	27	38	37	25	18
	-375 (-1.91)	0.06 (15)	4	8	16	28	38	37	26	19
	-750 (-3.81)	0.25 (61)	4	8	17	29	39	37	26	18
	-1250 (-6.35)	0.66 (164)	4	9	18	29	39	38	25	17
	-1750 (-8.89)	1.30 (323)	5	10	19	30	40	39	21	17
	+1750 (+8.89)	1.52 (377)	5	9	19	36	49	54	36	26
	+1250 (+6.35)	0.76 (188)	6	10	20	38	50	54	36	26
	+750 (+3.81)	0.28 (69)	7	11	21	38	50	55	36	25
	+375 (+1.91)	0.07 (17)	8	13	22	40	50	55	36	25
60 (1500)	0 (0)	0.00 (0)	8	13	23	41	49	54	34	22
	-375 (-1.91)	0.07 (17)	9	15	25	42	49	54	34	21
	-750 (-3.81)	0.28 (69)	10	16	26	43	49	53	33	21
	-1250 (-6.35)	0.76 (188)	9	16	27	43	49	45	32	19
	-1750 (-8.89)	1.52 (377)	10	15	29	44	49	45	26	19
	+1750 (+8.89)	1.73 (430)	8	14	26	43	50	54	42	33
	+1250 (+6.35)	0.86 (213)	10	15	27	44	51	55	42	33
	+750 (+3.81)	0.31 (77)	11	17	27	46	51	55	45	31
	+375 (+1.91)	0.08 (20)	12	19	28	47	51	55	45	31
84 (2100)	0 (0)	0.00 (0)	12	20	29	47	51	55	44	28
	-375 (-1.91)	0.08 (20)	14	22	31	48	51	55	44	26
	-750 (-3.81)	0.31 (77)	15	23	32	48	51	53	43	26
	-1250 (-6.35)	0.86 (213)	15	23	34	48	52	45	34	24
	-1750 (-8.89)	1.73 (430)	14	24	36	47	50	45	27	21
	+1750 (+8.89)	1.95 (484)	11	19	32	49	51	54	47	39
	+1250 (+6.35)	0.95 (237)	13	20	33	50	52	55	48	39
	+750 (+3.81)	0.34 (85)	15	22	32	54	52	55	54	37
	+375 (+1.91)	0.09 (22)	16	24	33	54	51	55	54	37
108 (2700)	0 (0)	0.00 (0)	16	26	35	53	52	55	53	34
	-375 (-1.91)	0.09 (22)	19	28	36	53	52	55	53	31
	-750 (-3.81)	0.34 (85)	20	29	38	53	52	53	52	30
	-1250 (-6.35)	0.95 (237)	20	30	41	53	54	45	35	28
	-1750 (-8.89)	1.95 (484)	19	32	42	50	51	45	27	22

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (15)	0.25 (61)	0.66 (164)	1.30 (323)
60 (1500)	0.07 (17)	0.28 (69)	0.76 (188)	1.52 (377)
84 (2100)	0.08 (20)	0.31 (77)	0.86 (213)	1.73 (430)
108 (2700)	0.09 (22)	0.34 (85)	0.95 (237)	1.95 (484)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	74	67	65	60	54	57	62	58
	+1250 (+6.35)	65	55	51	51	48	49	50	46
	+750 (+3.81)	50	38	30	38	38	36	32	28
All Lengths	+375 (+1.91)	31	20	15	21	26	18	10	10
	-375 (-1.91)	25	20	15	23	30	23	18	10
	-750 (-3.81)	44	21	24	37	41	41	41	32
	-1250 (-6.35)	59	36	39	47	50	55	58	51
	-1750 (-8.89)	69	46	50	53	56	64	69	63

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.20 (49)	2	4	8	15	12	10	9	8
	+1250 (+6.35)	0.10 (25)	2	3	9	15	12	10	8	8
	+750 (+3.81)	0.04 (10)	2	4	9	15	12	9	8	7
	+375 (+1.91)	0.02 (4)	2	4	9	16	12	9	8	7
	0 (0)	0.00 (0)	2	4	9	16	12	9	8	7
	-375 (-1.91)	0.02 (4)	2	4	9	16	12	9	8	7
	-750 (-3.81)	0.04 (10)	2	4	10	16	12	9	8	7
	-1250 (-6.35)	0.10 (25)	3	4	10	16	12	9	8	7
	-1750 (-8.89)	0.20 (49)	2	5	10	16	12	9	8	7
60 (1500)	+1750 (+8.89)	0.20 (49)	2	6	13	21	21	14	9	8
	+1250 (+6.35)	0.10 (25)	3	6	13	22	21	13	9	8
	+750 (+3.81)	0.04 (10)	3	5	14	23	21	13	9	9
	+375 (+1.91)	0.01 (3)	3	6	14	23	21	13	9	9
	0 (0)	0.00 (0)	3	7	15	23	21	13	9	8
	-375 (-1.91)	0.01 (3)	3	7	15	24	21	13	9	7
	-750 (-3.81)	0.04 (10)	3	7	15	24	21	12	9	7
	-1250 (-6.35)	0.10 (25)	4	7	15	25	21	12	9	7
	-1750 (-8.89)	0.20 (49)	4	7	16	25	21	12	9	7
84 (2100)	+1750 (+8.89)	0.20 (50)	3	9	18	28	31	18	10	9
	+1250 (+6.35)	0.10 (25)	4	8	18	29	31	17	10	8
	+750 (+3.81)	0.04 (9)	4	7	19	30	31	17	10	10
	+375 (+1.91)	0.01 (2)	4	8	19	30	31	17	9	10
	0 (0)	0.00 (0)	4	9	20	31	31	17	9	10
	-375 (-1.91)	0.01 (2)	4	10	20	32	31	17	10	8
	-750 (-3.81)	0.04 (9)	5	9	20	32	31	16	10	7
	-1250 (-6.35)	0.10 (25)	5	9	20	33	31	16	9	7
	-1750 (-8.89)	0.20 (50)	5	10	22	34	31	16	9	7
108 (2700)	+1750 (+8.89)	0.24 (59)	4	9	22	38	36	18	11	11
	+1250 (+6.35)	0.12 (31)	4	10	23	40	35	18	10	10
	+750 (+3.81)	0.05 (11)	5	10	23	40	35	18	10	9
	+375 (+1.91)	0.01 (3)	5	11	24	41	35	18	9	8
	0 (0)	0.00 (0)	5	11	24	42	34	18	9	7
	-375 (-1.91)	0.01 (3)	5	12	25	42	34	17	9	7
	-750 (-3.81)	0.05 (11)	6	12	25	43	34	17	9	7
	-1250 (-6.35)	0.12 (31)	7	13	26	43	35	17	10	8
	-1750 (-8.89)	0.24 (59)	7	13	26	43	36	17	11	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.04 (10)	0.10 (25)	0.20 (49)
60 (1500)	0.01 (3)	0.04 (10)	0.10 (25)	0.20 (49)
84 (2100)	0.01 (2)	0.04 (9)	0.10 (25)	0.20 (50)
108 (2700)	0.01 (3)	0.05 (11)	0.12 (31)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	55	43	37	42	41	40	38	33
	+1250 (+6.35)	45	31	23	34	35	31	26	22
	+750 (+3.81)	31	14	15	21	26	18	10	10
	+375 (+1.91)	25	20	15	15	13	10	10	10
	-375 (-1.91)	25	20	15	15	18	10	10	10
	-750 (-3.81)	25	20	15	23	30	23	18	10
	-1250 (-6.35)	38	20	19	33	38	37	35	26
	-1750 (-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)		Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		+1750 (+8.89)	0.34 (84)	3	6	11	18	18	16	12	11
		+1250 (+6.35)	0.18 (45)	3	6	12	19	18	15	12	10
		+750 (+3.81)	0.06 (16)	4	6	13	19	18	15	12	10
		+375 (+1.91)	0.02 (4)	4	6	13	20	18	15	11	10
36	(900)	0 (0)	0.00 (0)	4	7	13	20	19	15	11	9
		-375 (-1.91)	0.02 (4)	4	7	14	20	19	15	11	8
		-750 (-3.81)	0.06 (16)	5	7	14	20	19	15	11	9
		-1250 (-6.35)	0.18 (45)	5	8	15	21	20	15	11	9
		-1750 (-8.89)	0.34 (84)	5	8	15	21	20	15	11	9
		+1750 (+8.89)	0.38 (94)	3	10	19	26	30	20	13	12
		+1250 (+6.35)	0.20 (49)	3	10	20	27	30	20	13	11
		+750 (+3.81)	0.08 (19)	4	11	20	28	30	20	13	11
		+375 (+1.91)	0.02 (5)	4	11	21	29	30	19	13	11
60	(1500)	0 (0)	0.00 (0)	4	12	21	29	30	19	12	10
		-375 (-1.91)	0.02 (5)	4	12	22	29	31	19	12	9
		-750 (-3.81)	0.08 (19)	5	13	22	30	31	19	12	9
		-1250 (-6.35)	0.20 (49)	5	13	23	31	32	19	12	9
		-1750 (-8.89)	0.38 (94)	5	14	23	31	33	19	12	9
		+1750 (+8.89)	0.41 (103)	6	13	26	36	39	24	16	14
		+1250 (+6.35)	0.22 (54)	6	13	27	36	39	24	15	13
		+750 (+3.81)	0.08 (21)	7	14	28	37	39	23	15	13
		+375 (+1.91)	0.03 (6)	7	14	29	38	39	23	15	12
84	(2100)	0 (0)	0.00 (0)	8	14	30	38	38	23	14	12
		-375 (-1.91)	0.03 (6)	9	15	30	39	39	22	14	12
		-750 (-3.81)	0.08 (21)	9	15	31	39	40	23	15	12
		-1250 (-6.35)	0.22 (54)	10	16	31	40	40	23	15	13
		-1750 (-8.89)	0.41 (103)	10	17	32	40	40	22	15	13
		+1750 (+8.89)	0.45 (112)	9	15	33	45	48	27	18	16
		+1250 (+6.35)	0.24 (60)	9	16	34	46	48	27	17	15
		+750 (+3.81)	0.09 (22)	10	16	35	46	47	27	17	15
		+375 (+1.91)	0.03 (7)	11	17	36	47	47	27	16	14
108	(2700)	0 (0)	0.00 (0)	12	17	38	48	46	26	15	14
		-375 (-1.91)	0.03 (7)	13	17	39	48	47	26	15	15
		-750 (-3.81)	0.09 (22)	14	18	39	49	48	27	17	15
		-1250 (-6.35)	0.24 (60)	15	18	40	49	49	27	18	16
		-1750 (-8.89)	0.45 (112)	15	20	41	49	48	25	18	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (7)	0.06 (16)	0.18 (45)	0.34 (84)
60 (1500)	0.02 (7)	0.08 (19)	0.20 (49)	0.38 (94)
84 (2100)	0.03 (7)	0.08 (21)	0.22 (54)	0.41 (103)
108 (2700)	0.03 (7)	0.09 (22)	0.24 (60)	0.45 (112)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	63	53	48	49	46	47	48	43
	+1250 (+6.35)	53	41	35	41	40	38	36	32
	+750 (+3.81)	39	24	15	28	31	25	18	14
All Lengths	+375 (+1.91)	25	20	15	15	18	10	10	10
	-375 (-1.91)	25	20	15	16	23	12	10	10
	-750 (-3.81)	32	20	15	29	34	31	28	18
	-1250 (-6.35)	47	24	27	39	43	44	44	36
	-1750 (-8.89)	57	34	37	45	49	53	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128	
dB Addition or Reduction		-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.96 (240)	3	8	15	21	24	21	15	14
	+1250 (+6.35)	0.51 (127)	4	8	15	22	25	21	15	13
	+750 (+3.81)	0.18 (45)	4	9	16	23	25	21	15	13
	+375 (+1.91)	0.04 (11)	5	9	17	23	25	21	14	13
	0 (0)	0.00 (0)	5	9	17	24	26	21	14	12
	-375 (-1.91)	0.04 (11)	5	10	18	24	26	21	13	10
	-750 (-3.81)	0.18 (45)	6	10	18	25	27	21	14	10
	-1250 (-6.35)	0.51 (127)	6	11	19	25	28	22	14	10
	-1750 (-8.89)	0.96 (240)	7	12	20	26	28	22	14	11
60 (1500)	+1750 (+8.89)	1.26 (314)	5	12	23	32	40	35	22	17
	+1250 (+6.35)	0.66 (164)	6	12	24	33	41	34	22	16
	+750 (+3.81)	0.24 (59)	6	13	26	35	43	34	21	16
	+375 (+1.91)	0.06 (15)	7	13	27	36	44	34	21	15
	0 (0)	0.00 (0)	7	13	28	37	44	34	20	14
	-375 (-1.91)	0.06 (15)	8	13	29	38	45	34	19	14
	-750 (-3.81)	0.24 (59)	9	14	30	39	46	35	19	13
	-1250 (-6.35)	0.66 (164)	10	15	31	40	47	34	19	14
	-1750 (-8.89)	1.26 (314)	10	17	32	41	47	33	18	13
84 (2100)	+1750 (+8.89)	1.37 (341)	8	18	30	41	47	44	28	20
	+1250 (+6.35)	0.72 (180)	9	18	32	42	48	43	27	19
	+750 (+3.81)	0.27 (66)	9	19	34	43	48	43	26	18
	+375 (+1.91)	0.07 (16)	10	19	35	44	49	43	25	17
	0 (0)	0.00 (0)	11	21	36	44	48	43	24	16
	-375 (-1.91)	0.07 (16)	11	21	37	45	49	43	24	15
	-750 (-3.81)	0.27 (66)	12	22	38	45	49	44	23	14
	-1250 (-6.35)	0.72 (180)	15	23	39	46	50	43	22	14
	-1750 (-8.89)	1.37 (341)	14	24	39	46	50	43	22	14
108 (2700)	+1750 (+8.89)	1.48 (367)	11	24	37	50	53	52	33	23
	+1250 (+6.35)	0.79 (196)	12	25	39	50	54	52	32	21
	+750 (+3.81)	0.29 (73)	12	25	42	51	53	52	31	20
	+375 (+1.91)	0.07 (18)	13	25	43	51	54	52	30	19
	0 (0)	0.00 (0)	14	28	44	51	53	52	28	18
	-375 (-1.91)	0.07 (18)	15	29	45	52	53	52	28	16
	-750 (-3.81)	0.29 (73)	16	29	46	52	53	52	26	15
	-1250 (-6.35)	0.79 (196)	21	31	46	52	53	52	25	15
	-1750 (-8.89)	1.48 (367)	18	32	47	52	52	52	25	15

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (11)	0.18 (45)	0.51 (127)	0.96 (240)
60 (1500)	0.06 (15)	0.24 (59)	0.66 (164)	1.26 (314)
84 (2100)	0.07 (16)	0.27 (66)	0.72 (180)	1.37 (341)
108 (2700)	0.07 (18)	0.29 (73)	0.79 (196)	1.48 (367)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	74	67	65	60	54	57	62	58
	+1250 (+6.35)	65	55	51	51	48	49	50	46
	+750 (+3.81)	50	38	30	38	38	36	32	28
	+375 (+1.91)	31	20	15	21	26	18	10	10
	-375 (-1.91)	25	20	15	23	30	23	18	10
	-750 (-3.81)	44	21	24	37	41	41	41	32
	-1250 (-6.35)	59	36	39	47	50	55	58	51
	-1750 (-8.89)	69	46	50	53	56	64	69	63

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-44	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.17 (42)	1	4	6	11	8	7	5	2
	+1250 (+6.35)	0.10 (24)	2	4	7	12	9	7	5	3
	+750 (+3.81)	0.03 (6)	2	5	7	12	8	7	5	2
	+375 (+1.91)	0.01 (3)	2	5	7	12	8	7	5	2
36 (900)	0 (0)	0.00 (0)	2	5	7	12	8	6	5	2
	-375 (-1.91)	0.01 (3)	2	6	7	12	8	6	5	2
	-750 (-3.81)	0.03 (6)	3	6	7	12	8	6	5	2
	-1250 (-6.35)	0.10 (24)	3	6	8	12	8	6	5	2
	-1750 (-8.89)	0.17 (42)	4	7	8	12	9	7	6	3
	+1750 (+8.89)	0.20 (49)	4	6	11	16	11	5	3	4
	+1250 (+6.35)	0.10 (24)	4	7	11	17	11	5	3	4
	+750 (+3.81)	0.04 (9)	5	7	11	17	10	5	3	4
	+375 (+1.91)	0.01 (3)	5	7	12	17	10	5	3	4
60 (1500)	0 (0)	0.00 (0)	5	8	12	17	10	5	3	3
	-375 (-1.91)	0.01 (3)	5	8	12	17	10	5	3	3
	-750 (-3.81)	0.04 (9)	6	8	13	18	11	5	3	3
	-1250 (-6.35)	0.10 (24)	6	9	13	18	11	5	3	3
	-1750 (-8.89)	0.20 (49)	7	10	13	18	11	5	4	4
	+1750 (+8.89)	0.23 (57)	5	9	16	24	17	11	9	8
	+1250 (+6.35)	0.13 (33)	5	9	16	25	17	11	9	8
	+750 (+3.81)	0.05 (12)	6	10	17	25	16	11	9	8
	+375 (+1.91)	0.01 (3)	6	10	17	25	16	11	9	8
84 (2100)	0 (0)	0.00 (0)	6	11	17	25	16	10	8	6
	-375 (-1.91)	0.01 (3)	7	11	18	25	16	10	9	6
	-750 (-3.81)	0.05 (12)	7	12	18	25	16	10	9	6
	-1250 (-6.35)	0.13 (33)	8	12	18	26	16	10	9	7
	-1750 (-8.89)	0.23 (57)	9	12	19	26	17	11	9	6
	+1750 (+8.89)	2.08 (518)	6	11	18	27	21	12	10	9
	+1250 (+6.35)	0.11 (27)	7	12	18	28	20	12	10	8
	+750 (+3.81)	0.44 (109)	7	12	19	28	20	12	10	8
	+375 (+1.91)	0.01 (3)	7	12	19	29	20	12	9	7
108 (2700)	0 (0)	0.00 (0)	7	13	20	29	20	12	9	6
	-375 (-1.91)	0.01 (3)	8	14	21	29	20	12	9	5
	-750 (-3.81)	0.44 (109)	8	14	21	30	20	12	9	5
	-1250 (-6.35)	0.11 (27)	9	15	21	30	20	12	9	7
	-1750 (-8.89)	2.08 (518)	11	16	22	30	21	12	10	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.03 (6)	0.10 (24)	0.17 (42)
60 (1500)	0.01 (3)	0.04 (9)	0.10 (24)	0.20 (49)
84 (2100)	0.01 (3)	0.05 (12)	0.13 (33)	0.23 (57)
108 (2700)	0.01 (3)	0.44 (109)	0.11 (27)	2.08 (518)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	56	45	38	44	43	41	39	35
	+1250 (+6.35)	47	33	24	35	36	32	27	23
	+750 (+3.81)	33	20	15	22	27	19	12	12
All Lengths	+375 (+1.91)	25	20	15	15	14	12	12	12
	-375 (-1.91)	25	20	15	15	19	12	12	12
	-750 (-3.81)	25	20	15	25	31	25	20	12
	-1250 (-6.35)	40	20	20	35	40	38	37	27
	-1750 (-8.89)	50	27	30	41	45	47	48	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.32 (81)	3	6	8	15	13	9	7	6
	+1250 (+6.35)	0.17 (41)	4	7	8	15	13	9	7	6
	+750 (+3.81)	0.06 (16)	4	7	9	15	12	9	7	6
	+375 (+1.91)	0.02 (6)	5	7	9	15	12	9	7	6
	0 (0)	0.00 (0)	5	8	10	16	13	9	7	6
	-375 (-1.91)	0.02 (6)	5	8	9	16	13	8	7	5
	-750 (-3.81)	0.06 (16)	5	9	10	16	13	9	7	5
	-1250 (-6.35)	0.17 (41)	6	9	10	16	13	8	7	5
	-1750 (-8.89)	0.32 (81)	7	9	10	17	14	9	8	6
60 (1500)	+1750 (+8.89)	0.38 (95)	6	9	12	22	20	12	9	8
	+1250 (+6.35)	0.19 (48)	6	10	12	22	20	12	9	8
	+750 (+3.81)	0.07 (18)	7	11	13	23	20	12	9	8
	+375 (+1.91)	0.02 (6)	7	11	13	23	19	12	9	8
	0 (0)	0.00 (0)	7	11	14	23	20	12	9	8
	-375 (-1.91)	0.02 (6)	8	12	14	24	20	12	9	7
	-750 (-3.81)	0.07 (18)	8	12	14	24	20	12	9	6
	-1250 (-6.35)	0.19 (48)	9	13	15	25	20	12	10	7
	-1750 (-8.89)	0.38 (95)	10	14	15	25	21	12	10	8
84 (2100)	+1750 (+8.89)	0.38 (95)	9	13	19	30	25	14	11	9
	+1250 (+6.35)	0.20 (49)	9	14	20	31	25	14	11	9
	+750 (+3.81)	0.08 (19)	10	14	21	32	24	14	10	9
	+375 (+1.91)	0.02 (6)	10	15	21	33	24	14	10	8
	0 (0)	0.00 (0)	10	15	22	32	23	13	9	6
	-375 (-1.91)	0.02 (6)	11	15	23	33	24	14	10	6
	-750 (-3.81)	0.08 (19)	11	15	23	33	24	15	11	7
	-1250 (-6.35)	0.20 (49)	12	16	24	33	24	16	11	8
	-1750 (-8.89)	0.38 (95)	13	17	24	34	25	16	11	9
108 (2700)	+1750 (+8.89)	0.41 (102)	11	16	22	35	32	17	11	10
	+1250 (+6.35)	0.21 (53)	11	16	23	36	31	17	11	10
	+750 (+3.81)	0.08 (21)	12	17	23	37	31	16	11	9
	+375 (+1.91)	0.03 (6)	12	17	25	38	30	16	10	9
	0 (0)	0.00 (0)	13	18	25	38	31	16	10	8
	-375 (-1.91)	0.03 (6)	13	19	26	39	31	16	11	8
	-750 (-3.81)	0.08 (21)	14	19	26	40	31	16	11	6
	-1250 (-6.35)	0.21 (53)	16	19	27	40	31	16	11	8
	-1750 (-8.89)	0.41 (102)	17	20	27	41	32	16	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (6)	0.06 (16)	0.17 (41)	0.32 (81)
60 (1500)	0.02 (6)	0.07 (18)	0.19 (48)	0.38 (95)
84 (2100)	0.02 (6)	0.08 (19)	0.20 (49)	0.38 (95)
108 (2700)	0.03 (6)	0.08 (21)	0.21 (53)	0.41 (102)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	64	54	50	51	48	48	49	45
	+1250 (+6.35)	55	43	36	42	42	40	37	33
	+750 (+3.81)	41	25	15	29	32	27	19	15
	+375 (+1.91)	25	20	15	15	20	12	12	12
	-375 (-1.91)	25	20	15	17	24	14	12	12
	-750 (-3.81)	33	20	15	31	36	32	29	19
	-1250 (-6.35)	48	25	29	40	45	46	46	38
	-1750 (-8.89)	58	35	39	47	50	55	57	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RM/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.90 (223)	5	8	12	20	19	14	11	10
	+1250 (+6.35)	0.46 (115)	5	8	13	20	19	14	11	10
	+750 (+3.81)	0.17 (43)	6	9	13	21	19	13	10	10
	+375 (+1.91)	0.05 (12)	6	9	14	21	19	13	10	9
36 (900)	0 (0)	0 (0)	6	10	14	22	19	13	10	9
	-375 (-1.91)	0.05 (12)	7	10	14	22	19	13	10	8
	-750 (-3.81)	0.17 (43)	8	11	15	22	20	13	10	7
	-1250 (-6.35)	0.46 (115)	8	12	15	23	20	13	10	8
	-1750 (-8.89)	0.90 (223)	9	12	16	23	21	14	11	9
	+1750 (+8.89)	1.01 (250)	6	15	18	30	30	23	16	14
	+1250 (+6.35)	0.51 (127)	7	16	19	31	31	22	16	14
	+750 (+3.81)	0.19 (47)	8	17	20	32	31	22	15	13
	+375 (+1.91)	0.05 (12)	8	17	21	33	31	21	15	13
60 (1500)	0 (0)	0.00 (0)	9	18	22	34	31	21	14	12
	-375 (-1.91)	0.05 (12)	9	18	22	34	31	21	14	12
	-750 (-3.81)	0.19 (47)	10	19	23	35	32	22	15	13
	-1250 (-6.35)	0.51 (127)	10	19	23	35	32	22	15	13
	-1750 (-8.89)	1.01 (250)	10	19	23	35	32	22	15	13
	+1750 (+8.89)	1.19 (296)	10	18	24	38	39	28	18	16
	+1250 (+6.35)	0.58 (143)	11	19	25	39	40	27	18	15
	+750 (+3.81)	0.21 (52)	11	20	27	41	40	26	17	14
	+375 (+1.91)	0.06 (14)	12	21	28	42	40	26	16	14
84 (2100)	0 (0)	0.00 (0)	12	21	27	41	40	25	15	12
	-375 (-1.91)	0.06 (14)	12	21	27	41	40	26	16	13
	-750 (-3.81)	0.21 (52)	12	21	26	41	41	26	17	14
	-1250 (-6.35)	0.58 (143)	12	21	25	40	41	26	17	15
	-1750 (-8.89)	1.19 (296)	11	20	25	39	40	27	18	15
	+1750 (+8.89)	1.37 (341)	13	22	29	45	48	33	20	17
	+1250 (+6.35)	0.64 (160)	14	23	31	48	49	31	19	16
	+750 (+3.81)	0.23 (57)	15	24	33	49	49	31	18	15
	+375 (+1.91)	0.06 (15)	16	24	34	50	49	31	18	15
108 (2700)	0 (0)	0.00 (0)	16	24	33	49	50	30	17	12
	-375 (-1.91)	0.06 (15)	15	24	31	48	49	31	18	14
	-750 (-3.81)	0.23 (57)	15	23	30	46	49	31	19	16
	-1250 (-6.35)	0.64 (160)	14	23	28	45	49	31	20	17
	-1750 (-8.89)	1.37 (341)	13	22	27	43	48	33	20	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (12)	0.17 (43)	0.46 (115)	0.9 (223)
60 (1500)	0.05 (12)	0.19 (47)	0.51 (127)	1.01 (250)
84 (2100)	0.06 (14)	0.21 (52)	0.58 (143)	1.19 (296)
108 (2700)	0.06 (15)	0.23 (57)	0.64 (160)	1.37 (341)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	75	68	67	61	55	59	63	59
	+1250 (+6.35)	66	57	53	53	49	50	52	47
	+750 (+3.81)	52	39	32	40	40	37	34	29
All Lengths	+375 (+1.91)	33	20	15	22	27	19	12	12
	-375 (-1.91)	25	20	15	25	31	25	20	12
	-750 (-3.81)	45	22	26	38	43	43	43	34
	-1250 (-6.35)	60	37	41	48	51	57	59	52
	-1750 (-8.89)	70	48	51	55	57	65	70	64

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH\1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.22 (55)	2	1	7	16	24	19	15	12
	+2000 (+10.16)	0.16 (40)	4	3	7	16	24	20	15	12
	+1500 (+7.62)	0.09 (23)	3	2	7	15	23	19	14	11
	+1000 (+5.08)	0.05 (11)	3	2	6	15	23	19	14	11
	+500 (+2.54)	0.02 (4)	3	2	6	15	23	19	14	11
	0 (0)	0.00 (0)	2	2	6	15	22	20	13	11
	-500 (-2.54)	0.02 (4)	2	1	6	14	22	19	14	12
	-1000 (-5.08)	0.05 (11)	1	1	5	14	22	19	14	12
	-1500 (-7.62)	0.09 (23)	1	1	5	14	22	19	14	12
	-2000 (-10.16)	0.16 (40)	1	1	5	13	21	19	14	13
	-2500 (-12.7)	0.22 (55)	2	1	5	13	21	19	15	13
60 (1500)	+2500 (+12.7)	0.26 (64)	3	2	8	21	32	25	18	13
	+2000 (+10.16)	0.18 (45)	4	3	9	21	32	25	17	13
	+1500 (+7.62)	0.10 (26)	4	3	8	21	32	25	17	12
	+1000 (+5.08)	0.05 (13)	4	3	8	21	32	25	17	12
	+500 (+2.54)	0.02 (4)	4	3	8	21	32	24	16	12
	0 (0)	0.00 (0)	4	3	9	22	32	25	16	11
	-500 (-2.54)	0.02 (4)	4	2	9	21	32	24	16	12
	-1000 (-5.08)	0.05 (13)	3	3	8	21	31	24	16	12
	-1500 (-7.62)	0.10 (26)	3	3	8	21	31	24	16	12
	-2000 (-10.16)	0.18 (45)	3	3	9	21	31	24	16	12
	-2500 (-12.7)	0.26 (64)	4	3	9	21	31	25	17	12
84 (2100)	+2500 (+12.7)	0.30 (73)	3	3	10	26	41	30	20	15
	+2000 (+10.16)	0.20 (49)	5	4	10	27	41	30	20	14
	+1500 (+7.62)	0.11 (28)	5	4	10	27	41	30	19	14
	+1000 (+5.08)	0.06 (15)	5	4	11	28	41	30	19	13
	+500 (+2.54)	0.02 (4)	5	4	11	28	41	30	19	13
	0 (0)	0.00 (0)	5	4	11	29	41	30	18	12
	-500 (-2.54)	0.02 (4)	6	4	11	29	41	29	18	11
	-1000 (-5.08)	0.06 (15)	5	4	12	29	41	29	18	11
	-1500 (-7.62)	0.11 (28)	5	5	12	29	41	29	18	12
	-2000 (-10.16)	0.20 (49)	5	5	12	30	41	30	18	11
	-2500 (-12.7)	0.30 (73)	6	5	13	30	40	30	18	12
108 (2700)	+2500 (+12.7)	0.33 (83)	4	4	11	32	50	35	23	16
	+2000 (+10.16)	0.22 (54)	5	5	12	32	50	35	22	16
	+1500 (+7.62)	0.12 (31)	6	5	12	33	50	35	22	15
	+1000 (+5.08)	0.07 (17)	6	5	13	34	51	35	21	14
	+500 (+2.54)	0.02 (4)	6	5	13	35	51	35	21	14
	0 (0)	0.00 (0)	7	5	14	35	50	35	21	12
	-500 (-2.54)	0.02 (4)	8	6	14	36	51	34	20	11
	-1000 (-5.08)	0.07 (17)	7	6	15	37	51	35	20	11
	-1500 (-7.62)	0.12 (31)	7	7	15	37	51	35	20	11
	-2000 (-10.16)	0.22 (54)	7	7	16	38	51	35	20	11
	-2500 (-12.7)	0.33 (83)	7	8	17	38	49	35	20	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.05 (11)	0.09 (23)	0.16 (40)	0.22 (55)
60 (1500)	0.02 (4)	0.05 (13)	0.10 (26)	0.18 (45)	0.26 (64)
84 (2100)	0.02 (4)	0.06 (15)	0.11 (28)	0.20 (49)	0.30 (73)
108 (2700)	0.02 (4)	0.07 (17)	0.12 (31)	0.22 (54)	0.33 (83)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	56	43	39	38	42	43	44	40
	+2000 (+10.16)	50	36	32	31	38	38	38	34
	+1500 (+7.62)	42	27	22	22	33	31	29	26
	+1000 (+5.08)	30	20	15	15	25	21	17	14
	+500 (+2.54)	25	20	15	15	13	10	10	10
	-500 (-2.54)	25	20	15	15	10	15	10	10
	-1000 (-5.08)	34	20	15	15	27	31	29	25
	-1500 (-7.62)	44	29	23	26	36	41	40	36
	-2000 (-10.16)	51	37	33	36	43	47	48	44
	-2500 (-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.36 (90)	2	3	9	18	26	24	19	15
	+2000 (+10.16)	0.23 (57)	3	4	9	18	26	24	19	15
	+1500 (+7.62)	0.15 (37)	3	3	9	18	26	24	18	14
	+1000 (+5.08)	0.06 (15)	3	4	9	18	26	24	17	14
	+500 (+2.54)	0.02 (4)	3	3	9	19	26	24	17	13
36 (900)	0 (0)	0.00 (0)	3	4	10	19	27	24	18	13
	-500 (-2.54)	0.02 (4)	3	3	10	19	27	24	18	14
	-1000 (-5.08)	0.06 (15)	2	4	10	19	27	24	18	14
	-1500 (-7.62)	0.15 (37)	2	4	10	19	27	24	18	14
	-2000 (-10.16)	0.23 (57)	2	4	10	19	27	24	19	14
	-2500 (-12.7)	0.36 (90)	3	4	10	19	27	25	19	14
	+2500 (+12.7)	0.42 (105)	3	4	13	26	38	33	23	19
	+2000 (+10.16)	0.27 (67)	4	4	13	25	39	33	23	19
	+1500 (+7.62)	0.15 (37)	4	5	13	25	40	33	23	18
	+1000 (+5.08)	0.07 (17)	4	5	14	26	40	32	22	17
	+500 (+2.54)	0.02 (5)	4	6	15	27	41	32	22	17
60 (1500)	0 (0)	0.00 (0)	4	6	16	29	41	30	22	16
	-500 (-2.54)	0.02 (5)	4	6	17	29	41	30	22	16
	-1000 (-5.08)	0.07 (17)	4	7	17	30	42	30	22	16
	-1500 (-7.62)	0.15 (37)	4	7	18	30	42	30	22	16
	-2000 (-10.16)	0.27 (67)	4	7	19	31	43	29	23	16
	-2500 (-12.7)	0.42 (105)	5	8	17	31	43	31	23	16
	+2500 (+12.7)	0.55 (136)	4	6	17	34	47	43	28	23
	+2000 (+10.16)	0.33 (82)	5	6	17	34	47	42	28	22
	+1500 (+7.62)	0.20 (49)	5	7	18	34	48	43	27	21
	+1000 (+5.08)	0.09 (22)	5	7	18	35	48	42	27	20
	+500 (+2.54)	0.03 (6)	5	7	19	36	48	42	26	20
84 (2100)	0 (0)	0.00 (0)	5	8	21	38	48	40	26	19
	-500 (-2.54)	0.03 (6)	6	8	22	39	48	40	26	18
	-1000 (-5.08)	0.08 (21)	6	8	23	40	49	40	26	18
	-1500 (-7.62)	0.19 (48)	6	9	24	40	49	39	26	18
	-2000 (-10.16)	0.33 (82)	7	9	25	40	49	37	26	19
	-2500 (-12.7)	0.54 (135)	8	9	24	40	49	38	26	19
	+2500 (+12.7)	0.64 (159)	5	7	20	42	55	52	33	27
	+2000 (+10.16)	0.38 (95)	6	7	21	42	55	52	32	26
	+1500 (+7.62)	0.22 (55)	6	8	22	43	55	52	32	25
	+1000 (+5.08)	0.10 (25)	6	8	22	43	55	52	31	24
	+500 (+2.54)	0.03 (7)	7	8	23	45	55	52	31	23
108 (2700)	0 (0)	0.00 (0)	7	9	26	47	55	50	30	21
	-500 (-2.54)	0.03 (7)	7	9	27	48	55	50	29	20
	-1000 (-5.08)	0.10 (24)	7	9	28	49	55	50	29	20
	-1500 (-7.62)	0.22 (54)	7	10	29	49	55	48	29	20
	-2000 (-10.16)	0.38 (95)	9	10	30	49	54	45	30	22
	-2500 (-12.7)	0.64 (158)	10	11	30	49	54	45	29	21

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.06 (15)	0.15 (37)	0.23 (57)	0.36 (90)
60 (1500)	0.02 (5)	0.07 (17)	0.15 (37)	0.27 (67)	0.42 (105)
84 (2100)	0.03 (6)	0.09 (22)	0.20 (49)	0.33 (82)	0.55 (136)
108 (2700)	0.03 (7)	0.10 (25)	0.22 (55)	0.38 (95)	0.64 (159)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	64	52	49	46	47	50	53	48
	+2000 (+10.16)	58	45	42	40	43	45	46	42
	+1500 (+7.62)	50	36	32	31	38	38	38	34
	+1000 (+5.08)	38	23	118	18	31	28	26	22
All Lengths	+500 (+2.54)	25	20	15	15	18	11	10	10
	-500 (-2.54)	25	20	15	15	17	22	17	14
	-1000 (-5.08)	41	25	19	22	33	38	37	33
	-1500 (-7.62)	51	37	33	36	43	47	48	44
	-2000 (-10.16)	58	46	43	45	50	54	57	51
	-2500 (-12.7)	64	52	51	52	55	59	63	57

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	24-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	1.04 (259)	2	5	11	20	28	29	23	19
	+2000 (+10.16)	0.67 (167)	2	5	11	20	28	29	23	19
	+1500 (+7.62)	0.38 (95)	3	5	11	21	29	29	21	17
	+1000 (+5.08)	0.17 (42)	2	5	12	22	30	30	21	17
	+500 (+2.54)	0.04 (10)	3	5	12	22	30	30	21	16
	0 (0)	0.00 (0)	3	5	13	23	31	29	22	16
	-500 (-2.54)	0.04 (10)	3	6	14	24	31	29	22	16
	-1000 (-5.08)	0.17 (42)	4	6	14	24	32	29	22	16
	-1500 (-7.62)	0.38 (95)	4	7	15	25	33	30	23	16
	-2000 (-10.16)	0.67 (167)	3	7	15	25	33	30	24	15
	-2500 (-12.7)	1.04 (259)	3	7	15	25	33	30	24	15
60 (1500)	+2500 (+12.7)	1.08 (269)	4	7	16	30	44	40	29	25
	+2000 (+10.16)	0.69 (172)	4	7	17	31	45	41	29	24
	+1500 (+7.62)	0.39 (97)	4	7	17	32	46	41	28	23
	+1000 (+5.08)	0.17 (42)	4	8	17	33	46	41	27	21
	+500 (+2.54)	0.04 (10)	5	8	19	34	47	41	27	21
	0 (0)	0.00 (0)	5	8	20	34	47	38	28	20
	-500 (-2.54)	0.04 (10)	6	12	21	37	47	38	28	19
	-1000 (-5.08)	0.17 (42)	6	11	22	37	49	38	28	19
	-1500 (-7.62)	0.39 (97)	6	11	23	38	49	38	27	19
	-2000 (-10.16)	0.69 (172)	6	11	24	38	40	39	27	18
	-2500 (-12.7)	1.08 (269)	7	12	24	38	40	39	26	18
84 (2100)	+2500 (+12.7)	1.34 (332)	5	8	21	39	50	48	36	31
	+2000 (+10.16)	0.83 (206)	6	9	22	41	50	48	35	30
	+1500 (+7.62)	0.46 (114)	6	9	23	42	50	48	34	28
	+1000 (+5.08)	0.20 (50)	7	10	23	42	50	48	34	26
	+500 (+2.54)	0.05 (13)	7	10	25	43	50	48	33	25
	0 (0)	0.00 (0)	7	11	26	44	51	47	34	23
	-500 (-2.54)	0.05 (13)	8	13	27	46	51	47	33	22
	-1000 (-5.08)	0.20 (50)	8	13	28	46	52	45	33	22
	-1500 (-7.62)	0.46 (114)	9	14	30	45	51	42	32	22
	-2000 (-10.16)	0.83 (206)	10	14	31	43	45	41	30	21
	-2500 (-12.7)	1.34 (332)	10	15	30	43	45	41	28	21
108 (2700)	+2500 (+12.7)	1.48 (369)	7	9	26	49	55	55	43	37
	+2000 (+10.16)	0.91 (226)	7	10	27	50	55	55	41	35
	+1500 (+7.62)	0.50 (124)	8	11	28	51	54	55	41	33
	+1000 (+5.08)	0.22 (54)	9	11	29	51	54	55	40	31
	+500 (+2.54)	0.06 (15)	9	12	30	52	53	55	40	29
	0 (0)	0.00 (0)	9	13	31	53	54	55	40	27
	-500 (-2.54)	0.06 (15)	10	14	33	54	54	55	39	26
	-1000 (-5.08)	0.22 (54)	11	15	34	54	54	51	38	25
	-1500 (-7.62)	0.50 (124)	12	16	36	52	52	46	36	25
	-2000 (-10.16)	0.91 (226)	13	16	37	47	49	43	33	24
	-2500 (-12.7)	1.48 (369)	13	18	37	47	49	43	30	24

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.04 (10)	0.17 (42)	0.38 (95)	0.67 (167)	104 (259)
60 (1500)	0.04 (10)	0.17 (42)	0.39 (97)	0.69 (172)	1.08 (269)
84 (2100)	0.05 (13)	0.20 (50)	0.46 (114)	0.83 (206)	1.34 (332)
108 (2700)	0.06 (15)	0.22 (54)	0.50 (124)	0.91 (226)	1.48 (369)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	75	65	63	59	55	60	64	60
	+2000 (+10.16)	69	58	56	52	50	55	58	54
	+1500 (+7.62)	61	49	46	43	45	48	49	45
	+1000 (+5.08)	50	36	32	31	38	38	38	34
	+500 (+2.54)	30	20	15	15	25	21	17	14
	-500 (-2.54)	34	50	15	15	27	31	29	25
	-1000 (-5.08)	51	37	33	36	43	47	48	44
	-1500 (-7.62)	61	49	47	49	52	57	60	54
	-2000 (-10.16)	69	58	58	58	59	63	68	62
	-2500 (-12.7)	74	64	65	65	64	68	74	68

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	24 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	600 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.22 (55)	1	2	7	13	12	8	5	5
	+2000 (+10.16)	0.15 (36)	2	2	7	13	12	8	6	6
	+1500 (+7.62)	0.08 (21)	1	3	7	13	11	8	6	6
	+1000 (+5.08)	0.04 (10)	2	3	7	13	11	8	5	6
	+500 (+2.54)	0.01 (2)	2	3	8	14	11	8	6	6
36 (900)	0 (0)	0.00 (0)	1	3	8	14	12	9	6	3
	-500 (-2.54)	0.01 (2)	2	3	8	14	12	9	6	4
	-1000 (-5.08)	0.04 (10)	2	3	8	14	12	9	6	4
	-1500 (-7.62)	0.08 (21)	2	3	8	14	12	9	6	4
	-2000 (-10.16)	0.15 (36)	2	3	8	14	12	8	6	5
	-2500 (-12.7)	0.22 (55)	2	4	9	15	12	8	7	6
	+2500 (+12.7)	0.24 (59)	2	4	10	19	17	12	8	7
	+2000 (+10.16)	0.16 (39)	2	4	11	19	17	11	8	7
	+1500 (+7.62)	0.09 (22)	2	4	11	20	17	11	8	7
	+1000 (+5.08)	0.04 (11)	2	4	11	20	16	11	8	7
	+500 (+2.54)	0.01 (3)	2	5	12	20	17	11	8	7
60 (1500)	0 (0)	0.00 (0)	2	5	12	21	17	11	8	5
	-500 (-2.54)	0.01 (3)	3	5	12	21	17	11	8	5
	-1000 (-5.08)	0.04 (11)	2	5	13	21	17	11	8	5
	-1500 (-7.62)	0.09 (22)	3	5	13	21	17	11	8	6
	-2000 (-10.16)	0.16 (39)	2	5	13	21	17	11	8	6
	-2500 (-12.7)	0.24 (59)	3	6	13	22	17	11	8	7
	+2500 (+12.7)	0.25 (63)	2	6	14	25	22	15	10	9
	+2000 (+10.16)	0.17 (41)	3	7	14	25	22	15	11	9
	+1500 (+7.62)	0.09 (23)	3	6	15	26	22	14	10	9
	+1000 (+5.08)	0.04 (11)	3	6	15	26	22	14	10	9
	+500 (+2.54)	0.01 (3)	3	7	16	27	22	14	10	8
84 (2100)	0 (0)	0.00 (0)	3	7	16	27	22	14	9	6
	-500 (-2.54)	0.01 (3)	3	7	16	27	22	14	9	7
	-1000 (-5.08)	0.04 (11)	2	7	17	28	22	14	9	7
	-1500 (-7.62)	0.09 (23)	3	7	17	28	22	14	9	7
	-2000 (-10.16)	0.17 (41)	2	7	17	28	22	13	10	8
	-2500 (-12.7)	0.25 (63)	3	8	18	29	22	13	10	8
	+2500 (+12.7)	0.27 (66)	3	8	18	31	27	18	13	11
	+2000 (+10.16)	0.18 (44)	3	9	18	31	27	18	13	11
	+1500 (+7.62)	0.10 (25)	3	8	19	32	27	18	13	11
	+1000 (+5.08)	0.05 (11)	3	8	19	33	27	17	12	10
	+500 (+2.54)	0.02 (4)	3	9	19	33	27	17	12	10
108 (2700)	0 (0)	0.00 (0)	3	9	20	34	27	17	11	8
	-500 (-2.54)	0.02 (4)	3	9	20	34	27	16	11	8
	-1000 (-5.08)	0.05 (11)	3	9	21	35	27	16	11	8
	-1500 (-7.62)	0.10 (25)	3	9	21	35	27	16	11	8
	-2000 (-10.16)	0.18 (44)	3	9	21	36	27	16	11	9
	-2500 (-12.7)	0.27 (66)	4	10	22	36	27	16	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.04 (10)	0.08 (21)	0.15 (36)	0.22 (55)
60 (1500)	0.01 (3)	0.04 (11)	0.09 (22)	0.16 (39)	0.24 (59)
84 (2100)	0.01 (3)	0.04 (11)	0.09 (23)	0.17 (41)	0.25 (63)
108 (2700)	0.02 (4)	0.05 (11)	0.10 (25)	0.18 (44)	0.27 (66)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	56	43	39	38	42	43	44	40
	+2000 (+10.16)	50	36	32	31	38	38	38	34
	+1500 (+7.62)	42	27	22	22	33	31	29	26
	+1000 (+5.08)	30	20	15	15	25	21	17	14
All Lengths	+500 (+2.54)	25	20	15	15	13	10	10	10
	-500 (-2.54)	25	20	15	15	10	15	10	10
	-1000 (-5.08)	34	20	15	15	27	31	29	25
	-1500 (-7.62)	44	29	23	26	36	41	40	36
	-2000 (-10.16)	51	37	33	36	46	47	48	44
	-2500 (-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	24 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	600 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.49 (121)	2	5	10	16	15	13	11	10
	+2000 (+10.16)	0.31 (78)	3	4	10	16	15	12	11	10
	+1500 (+7.62)	0.16 (40)	3	5	11	17	15	12	11	10
	+1000 (+5.08)	0.07 (17)	3	5	11	17	15	12	11	9
	+500 (+2.54)	0.02 (4)	3	5	11	18	15	12	11	9
	0 (0)	0.00 (0)	3	5	12	18	15	12	10	8
	-500 (-2.54)	0.02 (4)	3	5	12	18	14	12	10	7
	-1000 (-5.08)	0.07 (17)	3	5	12	18	15	12	11	8
	-1500 (-7.62)	0.16 (40)	4	6	13	18	15	12	11	9
	-2000 (-10.16)	0.31 (78)	4	6	13	18	15	12	11	8
	-2500 (-12.7)	0.49 (121)	4	6	13	19	15	12	11	9
60 (1500)	+2500 (+12.7)	0.47 (117)	3	7	14	23	22	16	13	11
	+2000 (+10.16)	0.30 (74)	4	7	14	23	22	16	13	11
	+1500 (+7.62)	0.16 (39)	4	7	15	24	22	16	12	11
	+1000 (+5.08)	0.07 (17)	4	7	15	25	22	15	12	10
	+500 (+2.54)	0.02 (4)	5	7	16	25	22	15	12	10
	0 (0)	0.00 (0)	4	7	16	26	22	15	11	8
	-500 (-2.54)	0.02 (4)	5	8	17	26	22	15	11	8
	-1000 (-5.08)	0.07 (17)	5	8	17	26	22	15	12	9
	-1500 (-7.62)	0.16 (39)	5	8	17	26	22	15	12	9
	-2000 (-10.16)	0.30 (74)	5	9	18	27	22	15	12	9
	-2500 (-12.7)	0.47 (117)	5	9	18	27	22	15	12	10
84 (2100)	+2500 (+12.7)	0.45 (112)	4	9	18	30	29	20	14	13
	+2000 (+10.16)	0.29 (71)	5	9	19	31	29	20	14	13
	+1500 (+7.62)	0.15 (39)	5	9	19	32	29	19	14	12
	+1000 (+5.08)	0.07 (17)	6	9	19	32	29	19	13	11
	+500 (+2.54)	0.02 (5)	6	10	20	33	29	19	13	11
	0 (0)	0.00 (0)	6	10	21	33	29	18	12	9
	-500 (-2.54)	0.02 (5)	6	10	21	34	29	18	12	9
	-1000 (-5.08)	0.07 (17)	6	11	22	34	29	18	13	9
	-1500 (-7.62)	0.15 (39)	6	11	22	34	29	18	13	10
	-2000 (-10.16)	0.29 (71)	6	12	23	35	29	18	13	10
	-2500 (-12.7)	0.45 (112)	6	12	23	35	29	18	13	11
108 (2700)	+2500 (+12.7)	0.39 (98)	5	12	22	37	36	24	16	14
	+2000 (+10.16)	0.24 (60)	6	12	23	38	36	23	16	14
	+1500 (+7.62)	0.15 (37)	7	12	23	39	36	23	15	13
	+1000 (+5.08)	0.07 (17)	7	12	24	40	36	23	15	12
	+500 (+2.54)	0.02 (5)	7	12	25	40	36	22	14	12
	0 (0)	0.00 (0)	7	12	26	41	36	22	14	10
	-500 (-2.54)	0.02 (5)	8	12	26	41	36	21	13	9
	-1000 (-5.08)	0.07 (17)	7	13	27	42	36	21	13	10
	-1500 (-7.62)	0.15 (37)	7	14	27	42	36	21	14	10
	-2000 (-10.16)	0.24 (60)	7	15	27	43	36	20	14	11
	-2500 (-12.7)	0.39 (98)	6	16	28	43	36	20	15	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.07 (17)	0.16 (40)	0.31 (78)	0.49 (121)
60 (1500)	0.02 (4)	0.07 (17)	0.16 (39)	0.30 (74)	0.47 (117)
84 (2100)	0.02 (5)	0.07 (17)	0.15 (39)	0.29 (71)	0.45 (112)
108 (2700)	0.02 (5)	0.07 (17)	0.15 (37)	0.24 (60)	0.39 (98)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	64	52	49	46	47	50	53	48
	+2000 (+10.16)	58	45	42	40	43	45	46	42
	+1500 (+7.62)	50	36	32	31	38	38	38	34
	+1000 (+5.08)	38	23	18	18	31	28	26	22
	+500 (+2.54)	25	20	15	15	18	11	10	10
	-500 (-2.54)	25	20	15	15	17	22	17	14
	-1000 (-5.08)	41	25	19	22	33	38	37	33
	-1500 (-7.62)	51	37	33	36	43	47	48	44
	-2000 (-10.16)	58	46	43	45	50	54	57	51
	-2500 (-12.7)	64	52	51	52	55	59	63	57

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	24 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	600 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	1.39 (346)	3	7	13	20	18	17	17	14
	+2000 (+10.16)	0.89 (221)	3	7	13	20	18	17	17	14
	+1500 (+7.62)	0.46 (114)	4	7	14	21	18	16	16	14
	+1000 (+5.08)	0.20 (50)	4	7	14	21	18	16	16	13
	+500 (+2.54)	0.05 (12)	5	7	15	22	18	16	15	12
36 (900)	0 (0)	0.00 (0)	4	7	15	22	17	15	15	12
	-500 (-2.54)	0.05 (12)	4	7	16	22	17	15	14	11
	-1000 (-5.08)	0.20 (50)	5	8	17	22	17	15	15	12
	-1500 (-7.62)	0.46 (114)	5	8	17	23	18	16	16	13
	-2000 (-10.16)	0.89 (221)	6	8	17	23	19	16	15	12
	-2500 (-12.7)	1.39 (346)	6	8	17	23	19	16	15	12
	+2500 (+12.7)	1.34 (333)	7	13	22	30	29	23	18	15
	+2000 (+10.16)	0.85 (212)	6	12	23	30	29	23	18	14
	+1500 (+7.62)	0.45 (112)	7	13	23	31	31	23	18	14
	+1000 (+5.08)	0.20 (49)	7	12	23	32	31	23	17	13
	+500 (+2.54)	0.05 (13)	7	13	23	32	31	23	17	13
60 (1500)	0 (0)	0.00 (0)	6	12	23	32	30	24	17	13
	-500 (-2.54)	0.05 (13)	6	13	24	32	30	23	16	12
	-1000 (-5.08)	0.20 (49)	7	13	25	32	30	23	17	13
	-1500 (-7.62)	0.45 (112)	7	13	25	33	31	23	18	13
	-2000 (-10.16)	0.85 (212)	8	14	25	32	30	23	17	13
	-2500 (-12.7)	1.34 (333)	8	14	25	32	30	23	17	13
	+2500 (+12.7)	1.29 (321)	10	19	32	41	41	29	20	15
	+2000 (+10.16)	0.82 (203)	9	18	32	41	41	30	19	14
	+1500 (+7.62)	0.44 (110)	9	18	32	42	44	30	19	14
	+1000 (+5.08)	0.20 (49)	10	18	32	42	44	31	19	14
	+500 (+2.54)	0.05 (13)	9	18	32	42	44	31	20	14
84 (2100)	0 (0)	0.00 (0)	8	17	31	41	43	32	20	14
	-500 (-2.54)	0.05 (13)	9	18	32	42	43	31	19	13
	-1000 (-5.08)	0.20 (49)	10	18	33	42	43	30	19	13
	-1500 (-7.62)	0.44 (110)	9	19	33	43	43	30	19	13
	-2000 (-10.16)	0.82 (203)	10	19	33	42	41	29	19	13
	-2500 (-12.7)	1.29 (321)	11	19	33	42	41	29	19	14
	+2500 (+12.7)	1.24 (308)	13	24	41	51	52	36	21	15
	+2000 (+10.16)	0.78 (194)	12	24	41	51	52	36	20	14
	+1500 (+7.62)	0.43 (108)	11	24	42	53	55	37	21	14
	+1000 (+5.08)	0.19 (48)	12	23	41	52	55	38	21	14
	+500 (+2.54)	0.05 (13)	11	23	40	51	55	39	22	14
108 (2700)	0 (0)	0.00 (0)	10	22	39	51	55	40	23	15
	-500 (-2.54)	0.05 (13)	11	23	40	51	55	39	22	14
	-1000 (-5.08)	0.19 (48)	12	23	41	52	55	38	21	14
	-1500 (-7.62)	0.43 (108)	11	24	42	53	55	37	21	14
	-2000 (-10.16)	0.78 (194)	12	24	41	51	52	36	20	14
	-2500 (-12.7)	1.24 (308)	13	24	41	51	52	36	21	15

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.05 (12)	0.20 (50)	0.46 (114)	0.89 (221)	1.39 (346)
60 (1500)	0.05 (13)	0.20 (49)	0.45 (112)	0.85 (212)	1.34 (333)
84 (2100)	0.05 (13)	0.20 (49)	0.44 (110)	0.82 (203)	1.29 (321)
108 (2700)	0.05 (13)	0.19 (48)	0.43 (108)	0.78 (194)	1.24 (308)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	75	65	63	59	55	60	64	60
	+2000 (+10.16)	69	58	56	52	50	55	58	54
	+1500 (+7.62)	61	49	46	43	45	48	49	45
	+1000 (+5.08)	50	36	32	31	38	38	38	34
All Lengths	+500 (+2.54)	30	20	15	15	25	21	17	14
	-500 (-2.54)	34	20	15	15	27	31	29	25
	-1000 (-5.08)	51	37	33	36	46	47	48	44
	-1500 (-7.62)	61	49	47	49	52	57	60	54
	-2000 (-10.16)	69	58	58	58	59	63	68	62
	-2500 (-12.7)	74	64	65	65	64	68	74	68

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	24-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.27 (66)	1	3	6	11	9	7	3	1
	+2000 (+10.16)	0.16 (41)	1	4	7	11	9	7	3	1
	+1500 (+7.62)	0.10 (24)	1	4	7	12	9	7	3	1
	+1000 (+5.08)	0.05 (12)	1	4	7	12	9	7	3	1
	+500 (+2.54)	0.02 (4)	1	5	7	12	9	7	3	1
	0 (0)	0.00 (0)	2	5	7	12	9	7	4	1
	-500 (-2.54)	0.02 (4)	2	5	8	12	9	8	4	1
	-1000 (-5.08)	0.05 (12)	2	6	8	12	9	7	4	1
	-1500 (-7.62)	0.10 (24)	3	6	8	12	9	7	5	1
	-2000 (-10.16)	0.16 (41)	3	6	8	13	9	8	5	1
	-2500 (-12.7)	0.27 (66)	4	7	9	13	10	9	6	1
60 (1500)	+2500 (+12.7)	0.27 (67)	1	5	9	14	8	4	2	3
	+2000 (+10.16)	0.18 (45)	1	5	9	15	8	4	2	3
	+1500 (+7.62)	0.11 (28)	1	5	9	15	8	3	1	3
	+1000 (+5.08)	0.06 (14)	1	6	10	15	8	4	1	3
	+500 (+2.54)	0.02 (4)	2	6	10	15	8	3	1	3
	0 (0)	0.00 (0)	2	6	10	15	8	3	2	2
	-500 (-2.54)	0.02 (4)	2	7	11	15	8	3	2	3
	-1000 (-5.08)	0.06 (14)	3	7	11	16	8	3	2	3
	-1500 (-7.62)	0.11 (28)	3	8	11	16	8	3	3	3
	-2000 (-10.16)	0.18 (45)	3	8	12	16	8	4	3	4
	-2500 (-12.7)	0.27 (67)	4	10	12	17	9	4	3	5
84 (2100)	+2500 (+12.7)	0.30 (75)	2	6	13	20	13	8	7	5
	+2000 (+10.16)	0.17 (42)	3	6	13	21	13	8	7	6
	+1500 (+7.62)	0.11 (26)	3	7	13	21	12	8	6	5
	+1000 (+5.08)	0.05 (13)	3	7	14	21	12	8	7	5
	+500 (+2.54)	0.02 (5)	4	8	14	21	12	8	6	5
	0 (0)	0.00 (0)	4	8	15	21	12	8	7	4
	-500 (-2.54)	0.02 (5)	4	9	15	22	12	8	7	4
	-1000 (-5.08)	0.05 (13)	5	9	16	22	13	8	7	4
	-1500 (-7.62)	0.11 (26)	5	10	16	22	13	8	8	5
	-2000 (-10.16)	0.17 (42)	5	10	16	23	13	8	8	6
	-2500 (-12.7)	0.30 (75)	5	12	17	23	13	8	9	7
108 (2700)	+2500 (+12.7)	0.28 (71)	3	7	16	25	16	10	9	8
	+2000 (+10.16)	0.20 (51)	3	8	16	26	16	10	9	8
	+1500 (+7.62)	0.11 (26)	3	8	17	26	15	10	9	8
	+1000 (+5.08)	0.05 (11)	4	8	17	27	15	10	9	8
	+500 (+2.54)	0.02 (4)	4	9	18	27	15	10	9	8
	0 (0)	0.00 (0)	4	10	19	27	15	10	9	7
	-500 (-2.54)	0.02 (4)	5	10	19	27	15	10	9	7
	-1000 (-5.08)	0.05 (11)	5	11	20	27	15	10	9	7
	-1500 (-7.62)	0.11 (26)	5	12	20	27	16	11	10	8
	-2000 (-10.16)	0.20 (51)	6	13	21	28	16	11	10	9
	-2500 (-12.7)	0.28 (71)	6	13	21	29	16	11	11	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.05 (12)	0.10 (24)	0.16 (41)	0.27 (66)
60 (1500)	0.02 (4)	0.06 (14)	0.11 (28)	0.18 (45)	0.27 (67)
84 (2100)	0.02 (5)	0.05 (13)	0.11 (26)	0.17 (42)	0.30 (75)
108 (2700)	0.02 (4)	0.05 (11)	0.11 (26)	0.20 (51)	0.28 (71)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	57	45	41	39	43	45	46	42
	+2000 (+10.16)	51	38	33	32	39	39	39	35
	+1500 (+7.62)	43	28	23	23	34	32	31	27
	+1000 (+5.08)	32	20	15	15	27	22	19	16
	+500 (+2.54)	25	20	15	15	14	12	12	12
	-500 (-2.54)	25	20	15	15	12	17	12	12
	-1000 (-5.08)	35	20	15	15	28	33	30	26
	-1500 (-7.62)	45	30	35	37	44	49	50	45
	-2000 (-10.16)	53	39	35	37	44	49	50	45
	-2500 (-12.7)	58	45	43	44	50	54	56	51

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	24-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.72 (179)	1	4	7	13	11	9	7	4
	+2000 (+10.16)	0.47 (117)	2	5	8	14	11	8	6	3
	+1500 (+7.62)	0.26 (65)	2	5	8	14	11	8	6	3
	+1000 (+5.08)	0.12 (29)	2	6	8	14	10	8	6	3
	+500 (+2.54)	0.03 (7)	3	6	8	14	10	8	6	3
36 (900)	0 (0)	0.00 (0)	3	7	9	14	10	8	6	3
	-500 (-2.54)	0.03 (7)	4	7	9	14	10	8	6	3
	-1000 (-5.08)	0.12 (29)	4	7	9	14	10	8	6	2
	-1500 (-7.62)	0.26 (65)	4	8	9	14	10	8	7	2
	-2000 (-10.16)	0.47 (117)	4	8	10	15	11	8	7	3
	-2500 (-12.7)	0.72 (179)	6	9	10	15	11	8	7	3
	+2500 (+12.7)	0.40 (98)	3	6	10	16	12	6	4	5
	+2000 (+10.16)	0.27 (66)	3	7	10	17	12	6	4	5
	+1500 (+7.62)	0.16 (39)	3	6	10	16	12	6	4	5
	+1000 (+5.08)	0.07 (18)	3	7	10	17	12	6	4	5
	+500 (+2.54)	0.03 (6)	3	7	11	17	12	6	4	5
60 (1500)	0 (0)	0.00 (0)	5	8	12	18	12	6	4	4
	-500 (-2.54)	0.03 (6)	5	9	12	18	12	6	4	5
	-1000 (-5.08)	0.07 (18)	6	10	13	18	12	6	4	5
	-1500 (-7.62)	0.16 (39)	6	10	13	19	12	6	5	5
	-2000 (-10.16)	0.27 (66)	7	10	13	19	13	6	5	6
	-2500 (-12.7)	0.40 (98)	7	11	14	19	13	7	5	6
	+2500 (+12.7)	0.44 (108)	5	9	15	24	18	11	9	7
	+2000 (+10.16)	0.27 (68)	5	9	16	25	18	11	9	7
	+1500 (+7.62)	0.15 (38)	5	10	17	25	17	11	9	7
	+1000 (+5.08)	0.08 (19)	5	10	17	25	17	11	8	7
	+500 (+2.54)	0.03 (6)	6	11	18	26	17	11	9	7
84 (2100)	0 (0)	0.00 (0)	6	11	18	26	17	11	8	5
	-500 (-2.54)	0.03 (6)	7	12	19	26	17	11	9	5
	-1000 (-5.08)	0.08 (19)	8	12	19	27	17	10	9	5
	-1500 (-7.62)	0.15 (38)	9	12	20	27	17	10	9	6
	-2000 (-10.16)	0.27 (68)	9	13	21	27	18	11	10	7
	-2500 (-12.7)	0.44 (108)	9	14	21	28	18	11	10	8
	+2500 (+12.7)	0.42 (105)	5	10	19	30	21	13	11	10
	+2000 (+10.16)	0.26 (64)	6	11	19	30	21	13	11	10
	+1500 (+7.62)	0.13 (33)	6	12	20	31	21	13	11	10
	+1000 (+5.08)	0.07 (17)	7	12	21	32	20	13	11	10
	+500 (+2.54)	0.03 (7)	7	13	22	32	20	13	11	9
108 (2700)	0 (0)	0.00 (0)	7	14	22	32	20	13	11	8
	-500 (-2.54)	0.03 (7)	8	15	23	32	20	13	11	8
	-1000 (-5.08)	0.07 (17)	9	15	23	33	21	13	11	8
	-1500 (-7.62)	0.13 (33)	9	16	24	33	21	13	12	9
	-2000 (-10.16)	0.26 (64)	10	16	25	34	21	13	12	10
	-2500 (-12.7)	0.42 (105)	10	17	25	36	22	14	12	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.03 (7)	0.12 (29)	0.26 (65)	0.47 (117)	0.72 (179)
60 (1500)	0.03 (6)	0.07 (18)	016 (39)	0.27 (66)	0.40 (98)
84 (2100)	0.03 (6)	0.08 (19)	0.15 (38)	0.27 (68)	0.44 (108)
108 (2700)	0.03 (7)	0.07 (17)	0.13 (33)	0.26 (64)	0.42 (105)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	67	55	52	49	50	53	56	51
	+2000 (+10.16)	61	48	45	43	46	48	49	45
	+1500 (+7.62)	53	39	35	34	41	41	41	37
	+1000 (+5.08)	41	26	21	21	34	31	29	25
All Lengths	+500 (+2.54)	25	20	15	15	21	14	13	13
	-500 (-2.54)	26	20	15	15	20	25	20	17
	-1000 (-5.08)	44	28	22	25	36	41	40	36
	-1500 (-7.62)	54	40	36	39	46	50	51	47
	-2000 (-10.16)	61	49	46	48	53	57	60	54
	-2500 (-12.7)	67	55	54	55	58	62	66	60

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RH/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	24-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	600-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	2.80 (697)	3	6	11	17	15	12	9	7
	+2000 (+10.16)	1.80 (449)	3	6	11	17	15	12	9	7
	+1500 (+7.62)	1.02 (254)	3	7	11	18	15	11	9	6
	+1000 (+5.08)	0.45 (111)	4	7	12	18	14	11	9	6
	+500 (+2.54)	0.09 (22)	4	7	12	18	14	10	8	5
36 (900)	0 (0)	0.00 (0)	4	8	13	19	14	10	8	5
	-500 (-2.54)	0.09 (22)	5	9	13	19	14	11	8	4
	-1000 (-5.08)	0.45 (111)	5	9	13	19	16	12	9	5
	-1500 (-7.62)	1.02 (254)	6	10	14	20	17	11	9	6
	-2000 (-10.16)	1.80 (449)	7	10	14	21	16	11	9	7
	-2500 (-12.7)	2.80 (697)	7	10	14	21	16	11	9	7
	+2500 (+12.7)	1.13 (280)	4	9	13	22	19	11	9	11
	+2000 (+10.16)	0.68 (169)	4	10	15	23	19	11	9	10
	+1500 (+7.62)	0.40 (99)	5	10	15	24	19	11	8	10
	+1000 (+5.08)	0.18 (44)	5	11	16	24	19	10	8	10
	+500 (+2.54)	0.04 (10)	6	11	16	25	19	10	7	9
60 (1500)	0 (0)	0.00 (0)	6	12	16	24	18	9	7	7
	-500 (-2.54)	0.04 (10)	7	13	17	24	18	9	6	6
	-1000 (-5.08)	0.18 (44)	8	14	17	25	18	9	7	7
	-1500 (-7.62)	0.40 (99)	8	15	18	25	18	9	7	7
	-2000 (-10.16)	0.68 (169)	9	15	18	25	18	9	7	7
	-2500 (-12.7)	1.13 (280)	9	16	19	26	18	9	7	8
	+2500 (+12.7)	0.79 (196)	6	12	17	28	25	16	13	12
	+2000 (+10.16)	0.49 (123)	6	13	17	29	25	16	13	12
	+1500 (+7.62)	0.28 (70)	7	14	18	30	25	15	12	11
	+1000 (+5.08)	0.13 (31)	8	15	20	31	25	15	12	10
	+500 (+2.54)	0.04 (10)	9	16	21	32	25	15	11	9
84 (2100)	0 (0)	0.00 (0)	9	16	20	31	24	15	11	9
	-500 (-2.54)	0.04 (10)	10	17	21	32	25	15	11	8
	-1000 (-5.08)	0.13 (31)	11	17	22	33	25	15	12	8
	-1500 (-7.62)	0.28 (70)	11	17	23	33	25	15	12	9
	-2000 (-10.16)	0.49 (123)	12	18	23	34	25	15	12	10
	-2500 (-12.7)	0.79 (196)	13	18	24	34	26	15	13	11
	+2500 (+12.7)	0.82 (204)	8	15	21	34	31	20	15	14
	+2000 (+10.16)	0.57 (142)	9	15	22	35	31	19	15	13
	+1500 (+7.62)	0.29 (73)	9	16	23	36	31	19	14	13
	+1000 (+5.08)	0.14 (35)	10	17	24	37	31	19	14	12
	+500 (+2.54)	0.04 (10)	10	18	25	38	30	18	13	11
108 (2700)	0 (0)	0.00 (0)	11	19	26	38	30	18	13	10
	-500 (-2.54)	0.04 (10)	12	19	27	39	30	18	13	10
	-1000 (-5.08)	0.14 (35)	13	20	28	40	30	18	13	9
	-1500 (-7.62)	0.29 (73)	14	20	29	40	31	18	14	11
	-2000 (-10.16)	0.57 (142)	16	21	30	42	31	18	14	11
	-2500 (-12.7)	0.82 (204)	16	21	31	37	32	18	15	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.09 (22)	0.45 (111)	1.02 (254)	1.80 (449)	2.80 (697)
60 (1500)	0.04 (10)	0.18 (44)	0.40 (99)	0.68 (169)	1.13 (280)
84 (2100)	0.04 (10)	0.13 (31)	0.28 (70)	0.49 (123)	0.79 (196)
108 (2700)	0.04 (10)	0.14 (35)	0.29 (73)	0.57 (142)	0.82 (204)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	77	67	65	60	56	62	66	62
	+2000 (+10.16)	71	60	57	53	52	56	59	55
	+1500 (+7.62)	63	50	47	45	47	49	51	47
	+1000 (+5.08)	51	38	33	32	39	39	39	35
All Lengths	+500 (+2.54)	32	20	15	15	27	22	19	16
	-500 (-2.54)	35	20	15	15	28	33	30	26
	-1000 (-5.08)	53	39	35	37	44	49	50	45
	-1500 (-7.62)	63	51	49	50	54	58	61	56
	-2000 (-10.16)	70	59	59	59	61	65	70	64
	-2500 (-12.7)	76	66	67	67	66	70	76	70

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Product Information

Models

Rectangular Extended Casing Silencers

Rectangular Extended Casing Low Velocity **RLX**

Rectangular Extended Casing Medium Velocity **RMX**

Rectangular Extended Casing High Velocity **RHX**

Price Absorptive Rectangular Extended Casing Silencers are designed with larger baffles that extend past the standard casing and target low frequency noise, while still minimizing system pressure drops. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Larger baffles that target difficult low frequency duct noise.
- Optimized inlet radius to minimize turbulent flow and reduce pressure drops.
- Engineered internal geometries that maximize static regain.
- 2" slip connection on both ends.

RLX Silencers

Price RLX silencers are designed for low velocity applications. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a constant gap and smooth aerodynamic surface throughout, these silencers are best suited for applications with velocities below 750 fpm, where high insertion loss is the priority.

RMX Silencers

Price RMX silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop.This configuration is best suited for applications with velocities of 1750 fpm or less.

RHX Silencers

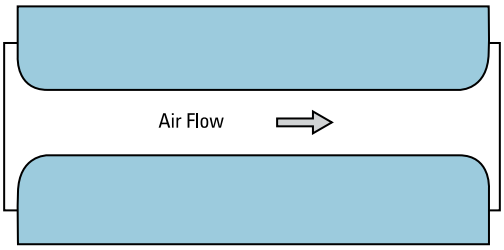
Price RHX silencers are designed for high velocity applications. This high velocity configuration minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the full range of frequencies. This silencer is best suited for applications where high air velocities cannot be avoided.

Recommended Air Velocity Ranges

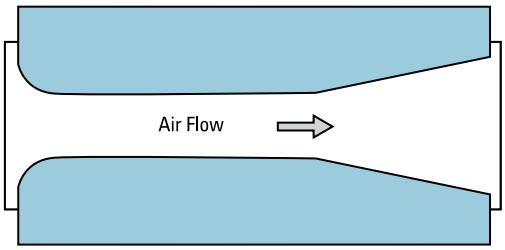
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
RLX	Low Velocity Silencer	0 - 750
RMX	Medium Velocity Silencer	0-1750
RHX	High Velocity Silencer	0-2500

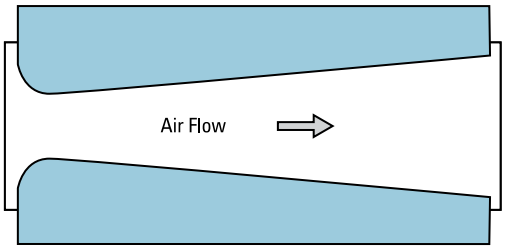
RLX - Rectangular Low Velocity



RMX - Rectangular Medium Velocity



RHX - Rectangular High Velocity



RLX60/6A

- Air Velocity
  - L - Low Velocity
  - M - Medium Velocity
  - H - High Velocity
- Length
  - Range from 36" - 108"
- Module Factor
  - 1 - 12" - 13.99"
  - 2 - 14" - 16.99"
  - 3 - 17" - 18.99"
  - 4 - 19" - 20.99"
  - 5 - 21" - 22.99"
  - 6 - 23" - 24.99"
  - 7 - 25" - 26.99"
  - 8 - 27" - 28.99"
  - 9 - 29" - 30.99"
  - U - 31" - 32.99"
  - V - 33" - 34.99"
  - W - 35" - 38.99"
  - X - 39" - 42.99"
  - Y - 43" - 46.99"
  - Z - 47" - 50"
- Pressure/Attenuation Code
  - Range From A - G

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Product Information

Construction

Price absorptive rectangular extended casing silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Components

Rectangular silencers that exceed a width of 48 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensional Data

Price absorptive rectangular extended casing silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

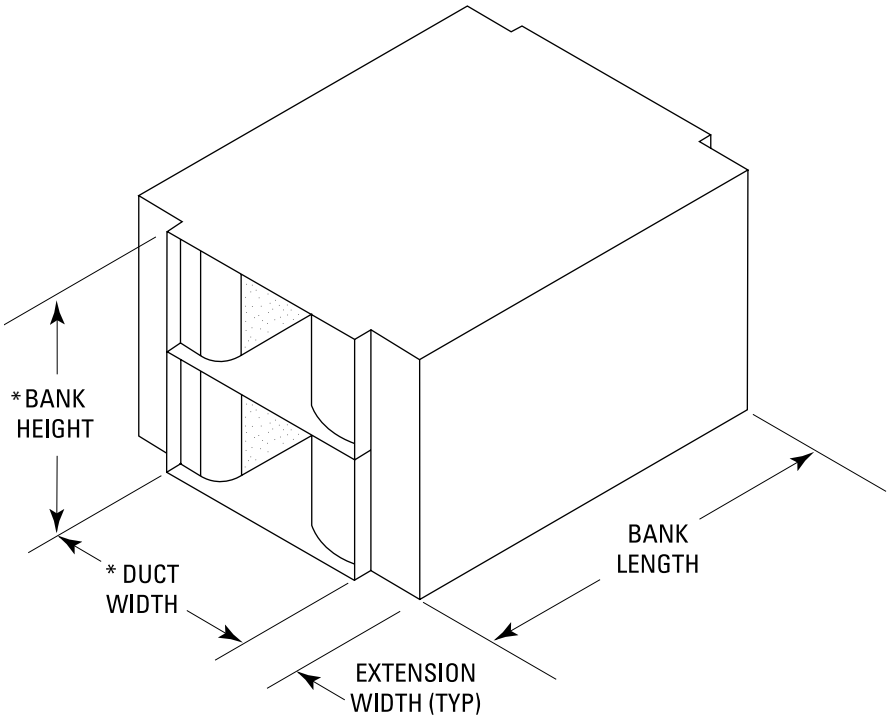
- Paint
- Fiberglass Cloth
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction Class	Construction Gauge	Transmission Loss 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material with welded seams that are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Duct width & bank height typically equal the duct dimensions

Standard Dimension Limits

Duct Width Min	Duct Width Max	Bank Width Min	Bank Width Max	Bank Height Min	Bank Height Max	Length Min	Length Max	Component Width Min	Component Width Max	Component Height Min	Component Height Max
12	84	24	96	6	144	36	108	24	59	6	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.
- Bank width equals duct width plus extension width.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.02 (4)	2	3	9	19	24	19	13	11
	+500 (+2.54)	0.01 (2)	2	3	9	19	24	19	13	11
	0 (0)	0.00 (0)	2	3	9	20	24	19	13	12
	-500 (-2.54)	0.01 (2)	2	3	9	20	25	19	13	12
	-750 (-3.81)	0.02 (4)	2	3	9	20	25	19	13	12
60 (1500)	+750 (+3.81)	0.02 (6)	4	5	15	30	42	35	21	14
	+500 (+2.54)	0.01 (3)	4	5	15	30	43	35	21	14
	0 (0)	0.00 (0)	4	5	15	30	43	35	21	14
	-500 (-2.54)	0.01 (3)	4	5	15	30	43	35	21	14
	-750 (-3.81)	0.02 (6)	4	5	15	30	43	35	21	14
84 (2100)	+750 (+3.81)	0.03 (7)	5	7	18	37	46	41	24	15
	+500 (+2.54)	0.01 (3)	5	7	19	37	47	41	24	15
	0 (0)	0.00 (0)	5	7	19	37	47	41	24	16
	-500 (-2.54)	0.01 (3)	5	7	19	38	47	41	24	16
	-750 (-3.81)	0.03 (7)	5	7	19	38	47	41	24	16
108 (2700)	+750 (+3.81)	0.03 (7)	6	10	22	44	50	47	28	17
	+500 (+2.54)	0.02 (4)	6	10	22	44	51	47	28	17
	0 (0)	0.00 (0)	6	10	23	44	51	47	28	17
	-500 (-2.54)	0.02 (4)	6	10	23	45	51	47	28	17
	-750 (-3.81)	0.03 (7)	6	10	23	45	52	47	28	17

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (2)	0.02 (4)
60 (1500)	0.01 (3)	0.02 (6)
84 (2100)	0.01 (3)	0.03 (7)
108 (2700)	0.01 (4)	0.03 (7)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	25	20	15	18	16	10	10	10
	+500 (+2.54)	25	20	15	15	10	10	10	10
	-500 (-2.54)	25	20	15	23	17	10	10	10
	-750 (-3.81)	25	20	19	28	23	16	10	10

Generated Noise Correction

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RLX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.04 (9)	4	6	15	27	33	28	19	14
	+500 (+2.54)	0.02 (4)	4	6	15	28	33	28	19	14
	0 (0)	0.00 (0)	4	6	15	28	34	28	19	14
	-500 (-2.54)	0.02 (4)	4	7	16	28	34	28	19	14
	-750 (-3.81)	0.04 (9)	4	7	16	28	34	28	19	14
60 (1500)	+750 (+3.81)	0.04 (9)	6	10	19	39	47	45	25	19
	+500 (+2.54)	0.02 (4)	6	10	20	39	47	45	25	20
	0 (0)	0.00 (0)	6	10	20	40	48	45	25	20
	-500 (-2.54)	0.02 (4)	6	10	20	40	48	45	25	20
	-750 (-3.81)	0.04 (9)	6	11	21	40	49	45	25	20
84 (2100)	+750 (+3.81)	0.04 (10)	8	13	27	44	49	50	31	24
	+500 (+2.54)	0.02 (5)	9	13	27	44	49	50	31	24
	0 (0)	0.00 (0)	9	13	28	44	50	50	31	24
	-500 (-2.54)	0.02 (5)	9	13	29	45	50	50	31	24
	-750 (-3.81)	0.04 (10)	9	13	29	45	51	50	31	24
120 (2700)	+750 (+3.81)	0.05 (12)	11	15	35	48	51	55	37	29
	+500 (+2.54)	0.02 (5)	11	16	35	49	51	55	37	29
	0 (0)	0.00 (0)	11	16	36	49	52	55	37	29
	-500 (-2.54)	0.02 (5)	11	16	37	49	53	55	37	29
	-750 (-3.81)	0.05 (12)	11	16	37	50	53	55	37	29

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.02 (4)	0.04 (9)
60 (1500)	0.02 (4)	0.04 (9)
84 (2100)	0.02 (5)	0.04 (10)
108 (2700)	0.02 (5)	0.05 (12)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	28	20	15	23	22	15	10	10
	+500 (+2.54)	25	20	15	16	14	10	10	10
	-500 (-2.54)	25	20	17	27	21	14	10	10
	-750 (-3.81)	25	20	24	31	27	22	10	10

Generated Noise Correction

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.02 (4)	6	9	20	35	42	38	25	16
	+500 (+2.54)	0.01 (2)	6	9	21	36	42	38	25	17
	0 (0)	0.00 (0)	6	10	21	36	43	38	25	17
	-500 (-2.54)	0.01 (2)	7	10	22	37	44	38	25	17
	-750 (-3.81)	0.02 (4)	7	10	22	37	44	38	25	17
60 (1500)	+750 (+3.81)	0.02 (6)	8	12	29	43	48	51	46	27
	+500 (+2.54)	0.01 (3)	8	12	29	43	48	51	46	27
	0 (0)	0.00 (0)	8	13	30	43	48	51	47	28
	-500 (-2.54)	0.01 (3)	9	13	31	44	49	51	47	28
	-750 (-3.81)	0.02 (6)	9	13	31	44	49	51	47	28
84 (2100)	+750 (+3.81)	0.03 (7)	12	17	33	47	49	53	49	34
	+500 (+2.54)	0.01 (3)	12	17	33	47	50	53	49	34
	0 (0)	0.00 (0)	12	17	34	48	51	53	49	34
	-500 (-2.54)	0.01 (3)	13	18	35	49	51	53	50	35
	-750 (-3.81)	0.03 (7)	13	18	36	49	52	53	50	35
108 (2700)	+750 (+3.81)	0.03 (7)	16	21	37	52	52	55	52	41
	+500 (+2.54)	0.02 (4)	16	21	38	52	52	55	52	41
	0 (0)	0.00 (0)	16	22	39	53	53	55	52	41
	-500 (-2.54)	0.02 (4)	17	23	40	54	54	55	52	41
	-750 (-3.81)	0.03 (7)	17	23	41	54	54	55	52	52

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.05 (11)	0.02 (24)
60 (1500)	0.05 (13)	0.02 (29)
84 (2100)	0.05 (13)	0.03 (30)
108 (2700)	0.06 (14)	0.03 (31)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	37	20	22	30	30	25	16	10
	+500 (+2.54)	28	20	15	23	22	15	10	10
	-500 (-2.54)	25	20	24	31	27	22	10	10
	-750 (-3.81)	33	26	30	35	33	31	21	14

Generated Noise Correction

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.01 (3)	2	5	11	15	12	9	7	8
	+500 (+2.54)	0.01 (2)	2	5	11	15	12	9	7	8
	0 (0)	0.00 (0)	2	5	11	16	13	9	7	8
	-500 (-2.54)	0.01 (2)	2	5	11	16	13	9	7	8
	-750 (-3.81)	0.01 (3)	2	5	11	16	13	9	7	8
60 (1500)	+750 (+3.81)	0.01 (4)	3	8	17	23	20	12	9	9
	+500 (+2.54)	0.01 (2)	3	8	17	23	21	12	9	9
	0 (0)	0.00 (0)	3	8	17	23	21	12	9	9
	-500 (-2.54)	0.01 (2)	3	8	17	23	21	12	9	9
	-750 (-3.81)	0.01 (4)	3	8	17	23	21	12	9	9
84 (2100)	+750 (+3.81)	0.01 (4)	4	11	22	30	28	16	10	9
	+500 (+2.54)	0.01 (2)	4	11	22	30	29	16	10	9
	0 (0)	0.00 (0)	4	11	23	30	29	16	10	9
	-500 (-2.54)	0.01 (2)	4	11	23	30	29	16	10	9
	-750 (-3.81)	0.01 (4)	4	11	23	31	29	16	10	9
108 (2700)	+750 (+3.81)	0.02 (4)	4	14	28	37	36	20	11	10
	+500 (+2.54)	0.01 (2)	4	14	28	37	37	20	11	10
	0 (0)	0.00 (0)	4	14	29	37	37	20	11	10
	-500 (-2.54)	0.01 (2)	4	14	29	38	37	20	11	10
	-750 (-3.81)	0.02 (4)	4	15	29	38	37	20	11	10

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (2)	0.01 (3)
60 (1500)	0.01 (2)	0.01 (4)
84 (2100)	0.01 (2)	0.01 (4)
108 (2700)	0.01 (2)	0.02 (4)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	25	20	15	18	16	10	10	10
	+500 (+2.54)	25	20	15	15	10	10	10	10
	-500 (-2.54)	25	20	15	23	17	10	10	10
	-750 (-3.81)	25	20	19	28	23	16	10	10

Generated Noise Correction

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.03 (7)	4	7	15	21	20	15	10	9
	+500 (+2.54)	0.01 (3)	4	7	15	21	20	15	10	9
	0 (0)	0.00 (0)	4	8	16	21	21	15	10	9
	-500 (-2.54)	0.01 (3)	4	8	16	21	21	15	10	9
	-750 (-3.81)	0.03 (7)	4	8	16	22	21	15	10	9
60 (1500)	+750 (+3.81)	0.03 (8)	5	10	22	34	28	19	12	8
	+500 (+2.54)	0.02 (4)	5	10	23	35	29	19	12	8
	0 (0)	0.00 (0)	5	11	23	35	29	19	12	8
	-500 (-2.54)	0.02 (4)	5	11	23	35	29	19	12	8
	-750 (-3.81)	0.03 (8)	5	11	24	36	29	19	12	8
84 (2100)	+750 (+3.81)	0.03 (9)	8	14	31	40	38	23	14	11
	+500 (+2.54)	0.02 (4)	8	14	31	40	38	23	14	11
	0 (0)	0.00 (0)	8	14	32	41	38	23	14	11
	-500 (-2.54)	0.02 (4)	8	15	33	41	39	23	14	11
	-750 (-3.81)	0.03 (9)	8	15	33	41	39	23	14	11
108 (2700)	+750 (+3.81)	0.04 (9)	10	17	40	46	47	27	16	15
	+500 (+2.54)	0.02 (4)	11	17	40	46	47	27	16	15
	0 (0)	0.00 (0)	11	18	41	46	48	27	16	15
	-500 (-2.54)	0.02 (4)	11	18	42	47	48	27	16	15
	-750 (-3.81)	0.04 (9)	11	18	42	47	49	27	16	15

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (3)	0.03 (7)
60 (1500)	0.02 (4)	0.03 (8)
84 (2100)	0.02 (4)	0.03 (9)
108 (2700)	0.02 (4)	0.04 (9)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	28	20	15	23	22	15	10	10
	+500 (+2.54)	25	20	15	16	14	10	10	10
	-500 (-2.54)	25	20	17	28	21	14	10	10
	-750 (-3.81)	25	20	24	31	27	22	10	10

Generated Noise Correction

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RLX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.08 (20)	6	10	19	26	28	20	12	9
	+500 (+2.54)	0.04 (9)	6	10	20	26	28	20	12	9
	0 (0)	0.00 (0)	6	10	20	27	28	20	12	9
	-500 (-2.54)	0.04 (9)	6	11	21	27	29	20	12	9
	-750 (-3.81)	0.08 (20)	6	11	21	27	29	20	12	9
60 (1500)	+750 (+3.81)	0.09 (22)	10	15	27	38	44	38	22	14
	+500 (+2.54)	0.04 (10)	10	15	27	38	44	38	22	14
	0 (0)	0.00 (0)	10	15	28	38	44	38	22	15
	-500 (-2.54)	0.04 (10)	10	15	29	39	45	38	22	15
	-750 (-3.81)	0.09 (22)	10	16	29	39	45	38	22	15
84 (2100)	+750 (+3.81)	0.09 (23)	14	18	37	43	47	40	24	16
	+500 (+2.54)	0.04 (11)	14	19	38	44	47	40	24	16
	0 (0)	0.00 (0)	14	19	39	44	48	40	24	16
	-500 (-2.54)	0.04 (11)	15	20	40	45	49	40	24	17
	-750 (-3.81)	0.09 (23)	15	20	41	45	49	40	24	17
108 (2700)	+750 (+3.81)	0.10 (25)	18	22	48	50	51	43	26	18
	+500 (+2.54)	0.05 (12)	18	23	48	50	51	43	26	18
	0 (0)	0.00 (0)	19	23	50	51	52	43	26	18
	-500 (-2.54)	0.05 (12)	19	24	51	52	53	43	26	18
	-750 (-3.81)	0.10 (25)	19	24	52	52	53	43	26	18

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.04 (9)	0.08 (20)
60 (1500)	0.04 (10)	0.09 (22)
84 (2100)	0.04 (11)	0.09 (23)
108 (2700)	0.05 (12)	0.10 (25)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	37	20	22	30	30	25	16	10
	+500 (+2.54)	28	20	15	23	22	15	10	10
	-500 (-2.54)	25	20	24	31	27	22	10	10
	-750 (-3.81)	33	26	30	35	33	31	21	14

Generated Noise Correction

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.02 (5)	3	6	9	13	9	7	5	1
	+500 (+2.54)	0.01 (3)	3	6	9	13	9	7	5	1
	0 (0)	0.00 (0)	3	6	9	13	9	7	5	2
	-500 (-2.54)	0.01 (3)	3	7	9	13	9	7	5	2
	-750 (-3.81)	0.02 (5)	3	7	9	13	9	7	5	2
60 (1500)	+750 (+3.81)	0.02 (6)	4	8	12	18	11	5	3	4
	+500 (+2.54)	0.01 (3)	4	9	12	18	11	5	3	4
	0 (0)	0.00 (0)	4	9	12	18	11	5	3	4
	-500 (-2.54)	0.01 (3)	4	9	12	18	11	5	3	4
	-750 (-3.81)	0.02 (6)	5	9	12	19	12	5	3	4
84 (2100)	+750 (+3.81)	0.02 (5)	7	11	18	25	16	10	9	7
	+500 (+2.54)	0.01 (3)	7	11	18	25	16	10	9	7
	0 (0)	0.00 (0)	7	11	19	26	16	10	9	7
	-500 (-2.54)	0.01 (3)	7	11	19	26	16	10	9	7
	-750 (-3.81)	0.02 (5)	7	11	19	26	16	10	9	7
108 (2700)	+750 (+3.81)	0.03 (7)	8	13	21	32	19	11	8	5
	+500 (+2.54)	0.01 (3)	8	14	22	33	19	11	8	5
	0 (0)	0.00 (0)	8	14	22	33	20	11	8	5
	-500 (-2.54)	0.01 (3)	9	14	22	33	20	11	8	5
	-750 (-3.81)	0.03 (7)	9	14	23	33	20	11	8	5

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (3)	0.02 (5)
60 (1500)	0.01 (3)	0.02 (6)
84 (2100)	0.01 (3)	0.03 (5)
108 (2700)	0.01 (3)	0.03 (7)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	29	20	15	24	23	16	12	12
	+500 (+2.54)	25	20	15	17	15	12	12	12
	-500 (-2.54)	25	20	19	28	23	15	12	12
	-750 (-3.81)	26	20	25	32	29	24	12	12

Generated Noise Correction

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RLX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.05 (12)	4	9	11	16	11	7	6	6
	+500 (+2.54)	0.02 (5)	4	9	11	16	11	7	6	6
	0 (0)	0.00 (0)	4	9	11	17	11	7	6	6
	-500 (-2.54)	0.02 (5)	5	10	12	17	11	7	6	6
	-750 (-3.81)	0.05 (12)	5	10	12	17	11	7	6	6
60 (1500)	+750 (+3.81)	0.05 (13)	8	13	15	23	18	9	6	6
	+500 (+2.54)	0.02 (6)	8	13	15	24	18	9	5	6
	0 (0)	0.00 (0)	8	14	16	24	18	9	5	6
	-500 (-2.54)	0.02 (6)	8	14	16	24	18	9	5	6
	-750 (-3.81)	0.05 (13)	8	14	16	24	19	9	5	6
84 (2100)	+750 (+3.81)	0.05 (13)	10	15	21	33	25	14	9	7
	+500 (+2.54)	0.02 (6)	10	15	21	33	25	14	9	7
	0 (0)	0.00 (0)	11	16	22	33	25	14	9	7
	-500 (-2.54)	0.02 (6)	11	16	23	34	25	14	9	7
	-750 (-3.81)	0.05 (13)	11	16	23	34	26	14	9	7
108 (2700)	+750 (+3.81)	0.05 (13)	12	18	25	40	33	19	13	9
	+500 (+2.54)	0.02 (6)	12	18	25	40	33	19	13	9
	0 (0)	0.00 (0)	13	19	26	40	33	19	13	9
	-500 (-2.54)	0.02 (6)	13	19	26	41	34	19	13	9
	-750 (-3.81)	0.05 (13)	13	19	27	41	34	19	13	9

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.02 (5)	0.05 (12)
60 (1500)	0.02 (6)	0.05 (13)
84 (2100)	0.02 (6)	0.05 (13)
108 (2700)	0.02 (6)	0.05 (13)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	36	20	20	30	29	24	13	12
	+500 (+2.54)	26	20	15	22	21	13	12	12
	-500 (-2.54)	25	20	23	31	27	21	12	12
	-750 (-3.81)	32	25	30	36	33	30	18	12

Generated Noise Correction

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.12 (31)	5	10	18	24	19	13	10	8
	+500 (+2.54)	0.06 (14)	5	11	18	24	20	13	10	8
	0 (0)	0.00 (0)	5	11	19	25	20	13	10	8
	-500 (-2.54)	0.06 (14)	6	12	20	25	20	13	10	9
	-750 (-3.81)	0.12 (31)	6	12	20	26	20	13	10	9
60 (1500)	+750 (+3.81)	0.14 (36)	10	18	23	34	32	19	13	11
	+500 (+2.54)	0.07 (18)	10	18	23	34	33	19	13	11
	0 (0)	0.00 (0)	10	19	23	35	33	19	13	11
	-500 (-2.54)	0.07 (18)	10	19	24	35	34	19	13	11
	-750 (-3.81)	0.14 (36)	11	20	25	36	34	19	13	11
84 (2100)	+750 (+3.81)	0.15 (38)	10	21	28	43	42	26	15	10
	+500 (+2.54)	0.07 (18)	10	22	28	44	42	26	15	10
	0 (0)	0.00 (0)	11	23	29	44	43	26	15	11
	-500 (-2.54)	0.07 (18)	11	24	31	45	44	26	15	11
	-750 (-3.81)	0.15 (38)	11	24	31	46	44	26	15	11
108 (2700)	+750 (+3.81)	0.15 (38)	15	24	34	50	50	32	18	13
	+500 (+2.54)	0.08 (19)	15	24	35	51	51	32	19	13
	0 (0)	0.00 (0)	16	25	36	52	52	32	19	13
	-500 (-2.54)	0.08 (19)	16	26	38	53	53	32	19	14
	-750 (-3.81)	0.15 (38)	17	27	39	53	53	32	19	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.06 (14)	0.12 (31)
60 (1500)	0.07 (18)	0.14 (36)
84 (2100)	0.07 (18)	0.15 (38)
108 (2700)	0.08 (19)	0.15 (38)

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	46	26	30	37	37	34	27	20
	+500 (+2.54)	36	20	22	30	29	24	13	12
	-500 (-2.54)	32	25	31	36	33	30	18	12
	-750 (-3.81)	41	33	36	40	39	38	31	24

Generated Noise Correction

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-325	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.05 (12)	1	3	8	18	25	20	15	14
	+1250 (+6.35)	0.03 (6)	1	3	8	18	26	20	15	14
	+750 (+3.81)	0.01 (2)	1	3	8	18	26	20	15	14
	+375 (+1.91)	0.01 (2)	1	3	8	18	26	20	15	14
	0 (0)	0.00 (0)	1	3	8	19	26	20	15	14
	-375 (-1.91)	0.01 (2)	1	3	8	19	26	20	15	14
	-750 (-3.81)	0.01 (2)	1	4	8	19	26	20	15	14
	-1250 (-6.35)	0.03 (6)	1	4	8	19	27	20	15	14
	-1750 (-8.89)	0.05 (12)	1	4	8	19	27	20	15	14
60 (1500)	+1750 (+8.89)	0.06 (15)	3	5	12	27	33	29	19	16
	+1250 (+6.35)	0.03 (8)	3	5	12	27	33	29	19	16
	+750 (+3.81)	0.01 (3)	3	5	13	27	34	29	19	16
	+375 (+1.91)	0.01 (2)	3	5	13	27	34	29	20	16
	0 (0)	0.00 (0)	3	5	13	27	34	29	20	16
	-375 (-1.91)	0.01 (2)	3	5	13	28	34	29	20	16
	-750 (-3.81)	0.01 (3)	3	5	13	28	34	29	20	16
	-1250 (-6.35)	0.03 (8)	3	5	13	28	35	29	20	16
	-1750 (-8.89)	0.06 (15)	3	5	14	28	35	29	20	16
84 (2100)	+1750 (+8.89)	0.07 (17)	4	6	17	35	41	37	24	18
	+1250 (+6.35)	0.04 (9)	4	7	17	36	41	37	24	18
	+750 (+3.81)	0.01 (3)	4	7	17	36	42	37	24	18
	+375 (+1.91)	0.01 (2)	4	7	17	36	42	37	24	18
	0 (0)	0 (0)	4	7	18	36	42	37	24	18
	-375 (-1.91)	0.01 (2)	4	7	18	36	42	37	24	18
	-750 (-3.81)	0.01 (3)	4	7	18	37	42	37	24	19
	-1250 (-6.35)	0.04 (9)	4	7	18	37	43	37	24	19
	-1750 (-8.89)	0.07 (17)	4	7	19	37	43	37	24	19
108 (2700)	+1750 (+8.89)	0.08 (20)	5	8	21	44	49	46	29	20
	+1250 (+6.35)	0.04 (10)	5	8	22	44	49	46	29	21
	+750 (+3.81)	0.01 (4)	5	8	22	45	49	46	29	21
	+375 (+1.91)	0.01 (2)	5	8	22	45	50	46	29	21
	0 (0)	0.00 (0)	6	9	22	45	50	46	29	21
	-375 (-1.91)	0.01 (2)	6	9	23	45	50	46	29	21
	-750 (-3.81)	0.01 (4)	6	9	23	46	51	46	29	21
	-1250 (-6.35)	0.04 (10)	6	9	23	46	51	46	29	21
	-1750 (-8.89)	0.08 (20)	6	9	24	46	51	46	29	21

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
60 (1500)	0.01 (2)	0.01 (3)	0.03 (6)	0.06 (15)
84 (2100)	0.01 (2)	0.01 (3)	0.04 (9)	0.07 (17)
108 (2700)	0.01 (2)	0.01 (4)	0.04 (10)	0.08 (20)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	35	20	15	25	28	22	13	10
	+1250 (+6.35)	26	20	15	16	22	13	10	10
	+750 (+3.81)	25	20	15	15	13	10	10	10
	+375 (+1.91)	25	20	15	15	10	10	10	10
	-375 (-1.91)	25	20	15	15	10	10	10	10
	-750 (-3.81)	25	20	15	15	18	10	10	10
	-1250 (-6.35)	25	20	15	20	27	18	12	10
	-1750 (-8.89)	28	20	15	26	32	27	23	13

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.10 (25)	2	5	11	22	31	28	20	16
	+1250 (+6.35)	0.05 (12)	2	5	11	22	31	28	20	16
	+750 (+3.81)	0.02 (4)	2	5	11	23	31	28	20	16
	+375 (+1.91)	0.01 (2)	2	5	12	23	32	28	20	16
	0 (0)	0.00 (0)	2	5	12	23	32	28	20	16
	-375 (-1.91)	0.01 (2)	2	5	12	23	32	28	20	16
	-750 (-3.81)	0.02 (4)	2	5	12	24	33	28	20	16
	-1250 (-6.35)	0.05 (12)	2	5	12	24	33	28	20	16
	-1750 (-8.89)	0.10 (25)	2	5	13	24	34	28	20	16
60 (1500)	+1750 (+8.89)	0.11 (28)	5	8	18	34	46	41	23	13
	+1250 (+6.35)	0.06 (14)	5	9	18	34	47	41	23	14
	+750 (+3.81)	0.02 (5)	5	9	18	34	47	41	23	14
	+375 (+1.91)	0.01 (1)	5	9	19	35	48	41	23	14
	0 (0)	0.00 (0)	5	9	19	35	48	41	23	14
	-375 (-1.91)	0.01 (1)	5	9	19	35	48	41	23	14
	-750 (-3.81)	0.02 (5)	5	9	20	36	49	41	23	14
	-1250 (-6.35)	0.06 (14)	5	9	20	36	49	41	23	14
	-1750 (-8.89)	0.11 (28)	5	10	20	36	50	41	23	15
84 (2100)	+1750 (+8.89)	0.13 (31)	7	10	24	42	49	48	31	20
	+1250 (+6.35)	0.07 (16)	7	10	24	43	50	48	31	20
	+750 (+3.81)	0.02 (6)	8	10	25	43	50	48	31	20
	+375 (+1.91)	0.01 (2)	8	11	25	44	51	48	31	20
	0 (0)	0.00 (0)	8	11	26	44	51	48	31	21
	-375 (-1.91)	0.01 (2)	8	11	26	44	51	48	31	21
	-750 (-3.81)	0.02 (6)	8	11	26	45	52	48	31	21
	-1250 (-6.35)	0.07 (16)	8	11	27	45	52	48	31	21
	-1750 (-8.89)	0.13 (31)	8	12	27	46	53	48	32	21
108 (2700)	+1750 (+8.89)	0.14 (35)	10	12	30	51	52	55	39	26
	+1250 (+6.35)	0.07 (18)	10	12	31	52	53	55	39	27
	+750 (+3.81)	0.03 (7)	10	12	31	52	53	55	39	27
	+375 (+1.91)	0.01 (2)	10	12	32	53	54	55	39	27
	0 (0)	0.00 (0)	11	13	32	53	54	55	39	27
	-375 (-1.91)	0.01 (2)	11	13	33	53	54	55	40	27
	-750 (-3.81)	0.03 (7)	11	13	33	54	55	55	40	28
	-1250 (-6.35)	0.07 (18)	11	13	34	54	55	55	40	28
	-1750 (-8.89)	0.14 (35)	11	13	34	55	56	55	40	28

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.02 (4)	0.05 (12)	0.10 (25)
60 (1500)	0.01 (1)	0.02 (5)	0.06 (14)	0.11 (28)
84 (2100)	0.01 (2)	0.02 (6)	0.07 (16)	0.13 (31)
108 (2700)	0.01 (2)	0.02 (7)	0.07 (18)	0.14 (35)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	43	29	20	32	34	29	23	19
	+1250 (+6.35)	34	20	15	23	28	20	11	10
	+750 (+3.81)	25	20	15	15	18	10	10	10
	+375 (+1.91)	25	20	15	15	10	10	10	10
	-375 (-1.91)	25	20	15	15	11	10	10	10
	-750 (-3.81)	25	20	15	16	23	12	10	10
	-1250 (-6.35)	26	20	15	26	31	26	22	11
	-1750 (-8.89)	36	20	16	32	37	35	33	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.33 (81)	3	6	14	26	36	37	25	17
	+1250 (+6.35)	0.17 (41)	3	6	15	26	36	37	25	18
	+750 (+3.81)	0.06 (15)	3	7	15	27	37	37	25	18
	+375 (+1.91)	0.02 (4)	3	7	15	27	37	37	25	18
	0 (0)	0.00 (0	3	7	16	27	38	37	25	18
	-375 (-1.91)	0.02 (4)	3	7	16	28	38	37	25	18
	-750 (-3.81)	0.06 (15)	3	7	16	28	38	37	26	19
	-1250 (-6.35)	0.17 (41)	3	7	17	28	39	37	26	19
	-1750 (-8.89)	0.33 (81)	3	8	17	29	39	37	26	19
60 (1500)	+1750 (+8.89)	0.38 (94)	7	12	21	39	46	50	33	21
	+1250 (+6.35)	0.19 (47)	7	12	21	39	47	50	34	21
	+750 (+3.81)	0.07 (17)	7	12	22	40	48	50	34	21
	+375 (+1.91)	0.02 (4)	7	13	22	41	48	50	34	22
	0 (0)	0.00 (0)	8	13	23	41	49	50	34	22
	-375 (-1.91)	0.02 (4)	8	13	24	41	50	50	34	22
	-750 (-3.81)	0.07 (17)	8	14	24	42	50	50	34	23
	-1250 (-6.35)	0.19 (47)	8	14	25	43	51	50	34	23
	-1750 (-8.89)	0.38 (94)	8	14	25	43	52	50	35	23
84 (2100)	+1750 (+8.89)	0.43 (108)	11	18	26	45	48	53	43	26
	+1250 (+6.35)	0.21 (53)	11	18	27	45	49	53	43	27
	+750 (+3.81)	0.08 (19)	11	19	28	46	49	53	43	27
	+375 (+1.91)	0.02 (5)	12	19	28	46	50	53	43	28
	0 (0)	0.00 (0)	12	20	29	47	51	53	44	28
	-375 (-1.91)	0.02 (5)	12	20	30	48	51	53	44	28
	-750 (-3.81)	0.08 (19)	13	20	30	48	52	53	44	29
	-1250 (-6.35)	0.21 (53)	13	21	31	49	52	53	44	29
	-1750 (-8.89)	0.43 (108)	13	22	32	49	53	53	44	30
108 (2700)	+1750 (+8.89)	0.49 (121)	15	23	31	50	49	55	52	32
	+1250 (+6.35)	0.24 (59)	15	24	32	51	50	55	52	33
	+750 (+3.81)	0.09 (21)	16	25	33	52	51	55	53	33
	+375 (+1.91)	0.02 (6)	16	25	34	52	51	55	53	34
	0 (0)	0.00 (0)	16	26	35	53	52	55	53	34
	-375 (-1.91)	0.02 (6)	17	27	36	54	53	55	53	34
	-750 (-3.81)	0.09 (21)	17	27	37	54	53	55	53	35
	-1250 (-6.35)	0.24 (59)	18	28	38	55	54	55	54	35
	-1750 (-8.89)	0.49 (121)	18	29	39	56	55	55	54	36

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.06 (15)	0.17 (41)	0.33 (81)
60 (1500)	0.02 (4)	0.07 (17)	0.19 (47)	0.38 (94)
84 (2100)	0.02 (5)	0.08 (19)	0.21 (53)	0.43 (108)
108 (2700)	0.02 (6)	0.09 (21)	0.24 (59)	0.49 (121)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	55	43	37	42	41	40	38	33
	+1250 (+6.35)	45	31	23	34	35	31	26	22
	+750 (+3.81)	31	20	15	21	26	18	10	10
	+375 (+1.91)	25	20	15	15	13	10	10	10
	-375 (-1.91)	25	20	15	15	18	10	10	10
	-750 (-3.81)	25	20	15	23	30	23	18	10
	-1250 (-6.35)	38	20	19	33	38	37	35	26
	-1750 (-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.05 (12)	2	4	9	15	11	9	8	6
	+1250 (+6.35)	0.03 (6)	2	4	9	16	11	9	8	7
	+750 (+3.81)	0.01 (2)	2	4	9	16	12	9	8	7
	+375 (+1.91)	0.01 (2)	2	4	9	16	12	9	8	7
	0 (0)	0.00 (0)	2	4	9	16	12	9	8	7
	-375 (-1.91)	0.01 (2)	2	4	9	16	12	9	8	7
	-750 (-3.81)	0.01 (2)	2	4	9	16	12	9	8	7
	-1250 (-6.35)	0.03 (6)	2	5	9	16	12	9	8	7
	-1750 (-8.89)	0.05 (12)	2	5	10	16	12	9	8	7
60 (1500)	+1750 (+8.89)	0.05 (12)	3	6	14	23	21	13	9	8
	+1250 (+6.35)	0.03 (6)	3	6	14	23	21	13	9	8
	+750 (+3.81)	0.01 (2)	3	7	14	23	21	13	9	8
	+375 (+1.91)	0.01 (2)	3	7	14	23	21	13	9	8
	0 (0)	0.00 (0)	3	7	15	23	21	13	9	8
	-375 (-1.91)	0.01 (2)	3	7	15	24	21	13	9	8
	-750 (-3.81)	0.01 (2)	3	7	15	24	22	13	9	8
	-1250 (-6.35)	0.03 (6)	3	7	15	24	22	13	9	8
	-1750 (-8.89)	0.05 (12)	3	7	15	24	22	13	9	8
84 (2100)	+1750 (+8.89)	0.05 (12)	4	9	19	30	30	17	9	10
	+1250 (+6.35)	0.03 (6)	4	9	19	30	30	17	9	10
	+750 (+3.81)	0.01 (2)	4	9	20	31	31	17	9	10
	+375 (+1.91)	0.01 (2)	4	9	20	31	31	17	9	10
	0 (0)	0.00 (0)	4	9	20	31	31	17	9	10
	-375 (-1.91)	0.01 (2)	4	9	20	31	31	17	9	10
	-750 (-3.81)	0.01 (2)	4	9	20	31	31	17	9	10
	-1250 (-6.35)	0.03 (6)	4	9	21	32	32	17	9	10
	-1750 (-8.89)	0.05 (12)	4	9	21	32	32	17	9	10
108 (2700)	+1750 (+8.89)	0.06 (15)	5	11	23	41	33	18	9	7
	+1250 (+6.35)	0.03 (8)	5	11	23	41	34	18	9	7
	+750 (+3.81)	0.01 (3)	5	11	24	41	34	18	9	7
	+375 (+1.91)	0.01 (2)	5	11	24	41	34	18	9	7
	0 (0)	0.00 (0)	5	11	24	42	34	18	9	7
	-375 (-1.91)	0.01 (2)	5	11	25	42	34	18	9	7
	-750 (-3.81)	0.01 (3)	5	11	25	42	35	18	9	7
	-1250 (-6.35)	0.03 (8)	5	12	25	42	35	18	9	7
	-1750 (-8.89)	0.06 (15)	5	12	26	43	35	18	9	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
60 (1500)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
84 (2100)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
108 (2700)	0.01 (2)	0.01 (3)	0.03 (8)	0.06 (15)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	35	20	15	25	28	22	13	10
	+1250 (+6.35)	26	20	15	16	22	13	10	10
	+750 (+3.81)	25	20	15	15	13	10	10	10
	+375 (+1.91)	25	20	15	15	10	10	10	10
	-375 (-1.91)	25	20	15	15	10	10	10	10
	-750 (-3.81)	25	20	15	15	18	10	10	10
	-1250 (-6.35)	25	20	15	20	27	18	12	10
	-1750 (-8.89)	28	20	15	26	32	27	23	13

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.08 (21)	3	6	12	19	18	15	11	9
	+1250 (+6.35)	0.04 (11)	3	7	13	19	18	15	11	9
	+750 (+3.81)	0.02 (4)	4	7	13	20	18	15	11	9
	+375 (+1.91)	0.01 (2)	4	7	13	20	18	15	11	9
	0 (0)	0.00 (0)	4	7	13	20	19	15	11	9
	-375 (-1.91)	0.01 (2)	4	7	13	20	19	15	11	9
	-750 (-3.81)	0.02 (4)	4	7	14	20	19	15	11	9
	-1250 (-6.35)	0.04 (11)	4	7	14	21	20	15	11	9
	-1750 (-8.89)	0.08 (21)	4	7	14	21	20	15	11	9
60 (1500)	+1750 (+8.89)	0.09 (24)	3	11	20	28	29	19	12	10
	+1250 (+6.35)	0.05 (12)	3	11	20	28	29	19	12	10
	+750 (+3.81)	0.02 (5)	4	11	21	28	30	19	12	10
	+375 (+1.91)	0.01 (1)	4	11	21	29	30	19	12	10
	0 (0)	0.00 (0)	4	12	21	29	30	19	12	10
	-375 (-1.91)	0.01 (1)	4	12	22	29	30	19	12	10
	-750 (-3.81)	0.02 (5)	4	12	22	29	31	19	12	10
	-1250 (-6.35)	0.05 (12)	4	12	22	29	31	19	12	10
	-1750 (-8.89)	0.09 (24)	4	12	23	30	31	19	12	10
84 (2100)	+1750 (+8.89)	0.10 (26)	7	13	28	37	37	23	14	12
	+1250 (+6.35)	0.05 (14)	7	13	28	37	37	23	14	12
	+750 (+3.81)	0.02 (5)	8	14	29	38	38	23	14	12
	+375 (+1.91)	0.01 (2)	8	14	29	38	38	23	14	12
	0 (0)	0.00 (0)	8	14	30	38	38	23	14	12
	-375 (-1.91)	0.01 (2)	8	14	30	39	38	23	14	12
	-750 (-3.81)	0.02 (5)	8	15	30	39	39	23	14	12
	-1250 (-6.35)	0.05 (14)	8	15	31	39	39	23	14	12
	-1750 (-8.89)	0.10 (26)	8	15	32	40	39	23	14	12
108 (2700)	+1750 (+8.89)	0.11 (28)	11	16	35	46	44	26	15	14
	+1250 (+6.35)	0.06 (15)	11	16	36	47	45	26	15	14
	+750 (+3.81)	0.02 (6)	12	16	37	47	45	26	15	14
	+375 (+1.91)	0.01 (2)	12	17	37	47	46	26	15	14
	0 (0)	0.00 (0)	12	17	38	48	46	26	15	14
	-375 (-1.91)	0.01 (2)	12	17	38	48	46	26	15	14
	-750 (-3.81)	0.02 (6)	12	17	39	49	47	26	15	14
	-1250 (-6.35)	0.06 (15)	13	18	40	49	47	26	15	14
	-1750 (-8.89)	0.11 (28)	13	18	40	49	48	26	15	14

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.00 (1)	0.02 (4)	0.04 (11)	0.08 (21)
60 (1500)	0.01 (1)	0.02 (5)	0.05 (12)	0.09 (24)
84 (2100)	0.01 (2)	0.02 (5)	0.05 (14)	0.10 (26)
108 (2700)	0.01 (2)	0.02 (6)	0.06 (15)	0.11 (28)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	43	29	20	32	34	29	23	19
	+1250 (+6.35)	34	20	15	23	28	20	11	10
	+750 (+3.81)	25	20	15	15	18	10	10	10
	+375 (+1.91)	25	20	15	15	10	10	10	10
	-375 (-1.91)	25	20	15	15	11	10	10	10
	-750 (-3.81)	25	20	15	16	23	12	10	10
	-1250 (-6.35)	26	20	15	26	31	26	22	11
	-1750 (-8.89)	36	20	16	32	37	35	33	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

price®

Performance Data - Model RMX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.13 (32)	5	9	16	23	25	21	14	11
	+1250 (+6.35)	0.05 (11)	5	9	16	23	25	21	14	11
	+750 (+3.81)	0.01 (3)	5	9	17	24	25	21	14	12
	+375 (+1.91)	0.00 (0)	5	9	17	24	26	21	14	12
	0 (0)	0.01 (3)	5	10	18	24	26	21	14	12
	-375 (-1.91)	0.05 (11)	5	10	18	24	26	21	14	12
	-750 (-3.81)	0.13 (32)	5	10	19	25	26	21	14	12
	-1250 (-6.35)	0.24 (60)	5	10	19	25	27	21	14	12
	-1750 (-8.89)	0.32 (78)	7	12	25	35	42	34	19	14
60 (1500)	+1750 (+8.89)	0.17 (41)	7	12	26	35	42	34	19	14
	+1250 (+6.35)	0.06 (15)	7	13	27	36	43	34	20	14
	+750 (+3.81)	0.01 (4)	7	13	27	36	44	34	20	14
	+375 (+1.91)	0.00 (0)	7	13	28	37	44	34	20	14
	0 (0)	0.01 (4)	8	13	29	37	45	34	20	15
	-375 (-1.91)	0.06 (15)	8	14	29	38	45	34	20	15
	-750 (-3.81)	0.17 (41)	8	14	30	38	46	34	20	15
	-1250 (-6.35)	0.32 (78)	8	15	31	39	46	34	20	15
	-1750 (-8.89)	0.34 (85)	10	19	33	42	46	43	24	15
84 (2100)	+1750 (+8.89)	0.18 (45)	10	19	34	42	47	43	24	15
	+1250 (+6.35)	0.07 (17)	10	20	35	43	47	43	24	16
	+750 (+3.81)	0.02 (4)	10	20	35	44	48	43	24	16
	+375 (+1.91)	0.00 (0)	11	21	36	44	48	43	24	16
	0 (0)	0.02 (4)	11	21	37	45	49	43	24	16
	-375 (-1.91)	0.07 (17)	11	22	38	45	50	43	24	16
	-750 (-3.81)	0.18 (45)	11	22	39	46	50	43	24	17
	-1250 (-6.35)	0.34 (85)	12	23	40	46	51	43	24	17
	-1750 (-8.89)	0.37 (92)	12	25	40	49	50	52	28	16
108 (2700)	+1750 (+8.89)	0.20 (49)	13	26	41	50	51	52	28	17
	+1250 (+6.35)	0.07 (18)	13	27	43	50	52	52	28	17
	+750 (+3.81)	0.02 (4)	13	27	44	51	52	52	28	17
	+375 (+1.91)	0.00 (0)	14	28	44	51	53	52	28	18
	0 (0)	0.02 (4)	14	29	45	52	53	52	29	18
	-375 (-1.91)	0.07 (18)	14	29	46	53	54	52	29	18
	-750 (-3.81)	0.20 (49)	15	30	48	53	55	52	29	18
	-1250 (-6.35)	0.37 (92)	15	31	49	54	56	52	29	19
	-1750 (-8.89)	0.06 (15)	5	12	26	43	35	18	9	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.05 (11)	0.13 (32)	0.24 (60)
60 (1500)	0.01 (4)	0.06 (15)	0.17 (41)	0.32 (78)
84 (2100)	0.01 (4)	0.07 (17)	0.18 (45)	0.34 (85)
108 (2700)	0.02 (4)	0.07 (18)	0.20 (49)	0.37 (92)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	55	43	37	42	41	40	38	33
	+1250 (+6.35)	45	31	23	34	35	31	26	22
	+750 (+3.81)	31	20	15	21	26	18	10	10
	+375 (+1.91)	25	20	15	15	13	10	10	10
	-375 (-1.91)	25	20	15	15	18	10	10	10
	-750 (-3.81)	25	20	15	23	30	23	18	10
	-1250 (-6.35)	38	20	19	33	38	37	35	26
	-1750 (-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.08 (19)	2	5	6	11	8	6	5	2
	+1250 (+6.35)	0.04 (11)	2	5	7	11	8	6	5	2
	+750 (+3.81)	0.01 (3)	2	5	7	11	8	6	5	2
	+375 (+1.91)	0.01 (1)	2	5	7	11	8	6	5	2
	0 (0)	0.00 (0)	2	5	7	12	8	6	5	2
	-375 (-1.91)	0.01 (1)	2	5	7	12	8	6	5	2
	-750 (-3.81)	0.01 (3)	2	6	7	12	8	6	5	2
	-1250 (-6.35)	0.04 (11)	2	6	7	12	8	6	5	2
	-1750 (-8.89)	0.08 (19)	2	6	7	12	8	6	5	2
60 (1500)	+1750 (+8.89)	0.09 (22)	4	7	11	16	10	5	3	3
	+1250 (+6.35)	0.04 (11)	5	8	11	16	10	5	3	3
	+750 (+3.81)	0.02 (4)	5	8	11	17	10	5	3	3
	+375 (+1.91)	0.01 (1)	5	8	12	17	10	5	3	3
	0 (0)	0.00 (0)	5	8	12	17	10	5	3	3
	-375 (-1.91)	0.01 (1)	5	8	12	17	10	5	3	3
	-750 (-3.81)	0.02 (4)	5	8	12	17	10	5	3	3
	-1250 (-6.35)	0.04 (11)	5	8	12	17	11	5	3	3
	-1750 (-8.89)	0.09 (22)	5	9	13	17	11	5	3	3
84 (2100)	+1750 (+8.89)	0.10 (25)	6	10	16	24	15	10	8	6
	+1250 (+6.35)	0.06 (15)	6	10	16	24	15	10	8	6
	+750 (+3.81)	0.02 (5)	6	10	17	24	15	10	8	6
	+375 (+1.91)	0.01 (1)	6	11	17	25	15	10	8	6
	0 (0)	0.00 (0)	6	11	17	25	16	10	8	6
	-375 (-1.91)	0.01 (1)	6	11	17	25	16	10	8	6
	-750 (-3.81)	0.02 (5)	6	11	18	25	16	10	8	6
	-1250 (-6.35)	0.06 (15)	6	11	18	25	16	10	8	6
	-1750 (-8.89)	0.10 (25)	7	12	18	26	16	10	8	6
108 (2700)	+1750 (+8.89)	0.09 (23)	7	12	19	28	19	12	9	6
	+1250 (+6.35)	0.05 (12)	7	12	19	28	19	12	9	6
	+750 (+3.81)	0.02 (5)	7	13	19	28	20	12	9	6
	+375 (+1.91)	0.01 (1)	7	13	20	28	20	12	9	6
	0 (0)	0.00 (0)	7	13	20	29	20	12	9	6
	-375 (-1.91)	0.01 (1)	7	13	20	29	20	12	9	6
	-750 (-3.81)	0.02 (5)	7	13	21	29	20	12	9	6
	-1250 (-6.35)	0.05 (12)	8	14	21	29	20	12	9	6
	-1750 (-8.89)	0.09 (23)	8	14	21	30	21	12	9	6

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (1)	0.01 (3)	0.04 (11)	0.08 (19)
60 (1500)	0.01 (1)	0.02 (4)	0.04 (11)	0.09 (22)
84 (2100)	0.01 (1)	0.02 (5)	0.06 (15)	0.10 (25)
108 (2700)	0.01 (1)	0.02 (5)	0.05 (12)	0.09 (23)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	37	21	15	26	30	23	15	12
	+1250 (+6.35)	27	20	15	18	24	14	12	12
	+750 (+3.81)	25	20	15	15	14	12	12	12
	+375 (+1.91)	25	20	15	15	12	12	12	12
	-375 (-1.91)	25	20	15	15	12	12	12	12
	-750 (-3.81)	25	20	15	15	19	12	12	12
	-1250 (-6.35)	25	20	15	21	27	20	14	12
	-1750 (-8.89)	29	20	15	28	34	29	25	15

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.14 (36)	4	7	9	15	12	9	7	6
	+1250 (+6.35)	0.07 (18)	4	8	9	15	12	9	7	6
	+750 (+3.81)	0.03 (7)	4	8	9	15	12	9	7	6
	+375 (+1.91)	0.01 (3)	5	8	9	16	12	9	7	6
	0 (0)	0.00 (0)	5	8	10	16	13	9	7	6
	-375 (-1.91)	0.01 (3)	5	8	10	16	13	9	7	6
	-750 (-3.81)	0.03 (7)	5	8	10	16	13	9	7	6
	-1250 (-6.35)	0.07 (18)	5	9	10	17	13	9	7	6
	-1750 (-8.89)	0.14 (36)	5	9	10	17	14	9	7	6
60 (1500)	+1750 (+8.89)	0.17 (42)	6	10	12	22	19	12	9	8
	+1250 (+6.35)	0.09 (21)	7	11	13	23	19	12	9	8
	+750 (+3.81)	0.03 (8)	7	11	13	23	19	12	9	8
	+375 (+1.91)	0.01 (3)	7	11	13	23	19	12	9	8
	0 (0)	0.00 (0)	7	11	14	23	20	12	9	8
	-375 (-1.91)	0.01 (3)	7	12	14	24	20	12	9	8
	-750 (-3.81)	0.03 (8)	7	12	14	24	20	12	9	8
	-1250 (-6.35)	0.09 (21)	8	12	15	24	20	12	9	8
	-1750 (-8.89)	0.17 (42)	8	12	15	25	21	12	9	8
84 (2100)	+1750 (+8.89)	0.17 (42)	9	14	21	31	23	13	9	6
	+1250 (+6.35)	0.09 (22)	9	14	21	32	23	13	9	6
	+750 (+3.81)	0.03 (8)	10	14	21	32	23	13	9	6
	+375 (+1.91)	0.01 (3)	10	14	22	32	23	13	9	6
	0 (0)	0.00 (0)	10	15	22	32	23	13	9	6
	-375 (-1.91)	0.01 (3)	10	15	23	33	24	13	9	7
	-750 (-3.81)	0.03 (8)	11	15	23	33	24	13	9	7
	-1250 (-6.35)	0.09 (22)	11	16	24	33	24	13	9	7
	-1750 (-8.89)	0.17 (42)	11	16	24	34	24	13	9	7
108 (2700)	+1750 (+8.89)	0.18 (45)	11	16	22	36	29	16	10	8
	+1250 (+6.35)	0.09 (24)	12	17	23	37	30	16	10	8
	+750 (+3.81)	0.04 (9)	12	17	24	37	30	16	10	8
	+375 (+1.91)	0.01 (3)	12	18	24	38	30	16	10	8
	0 (0)	0.00 (0)	13	18	25	38	31	16	10	8
	-375 (-1.91)	0.01 (3)	13	18	25	39	31	16	10	8
	-750 (-3.81)	0.04 (9)	13	19	26	39	31	16	10	8
	-1250 (-6.35)	0.09 (24)	13	19	26	39	32	16	10	9
	-1750 (-8.89)	0.18 (45)	14	20	27	40	32	16	11	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.03 (7)	0.07 (18)	0.14 (36)
60 (1500)	0.01 (3)	0.03 (8)	0.09 (21)	0.17 (42)
84 (2100)	0.01 (3)	0.03 (8)	0.09 (22)	0.17 (42)
108 (2700)	0.01 (3)	0.04 (9)	0.09 (24)	0.18 (45)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	53	40	33	41	40	38	35	31
	+1250 (+6.35)	43	29	19	32	34	29	23	19
	+750 (+3.81)	29	20	15	19	25	16	12	12
	+375 (+1.91)	25	20	15	15	12	12	12	12
	-375 (-1.91)	25	20	15	15	18	12	12	12
	-750 (-3.81)	25	20	15	23	29	21	16	12
	-1250 (-6.35)	36	20	16	33	38	35	33	23
	-1750 (-8.89)	46	23	27	39	43	44	44	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.40 (99)	5	9	12	20	18	13	10	8
	+1250 (+6.35)	0.21 (51)	6	9	13	21	18	13	10	8
	+750 (+3.81)	0.08 (19)	6	9	13	21	19	13	10	8
	+375 (+1.91)	0.02 (5)	6	10	14	21	19	13	10	9
	0 (0)	0.00 (0)	6	10	14	22	19	13	10	9
	-375 (-1.91)	0.02 (5)	6	10	15	22	19	13	10	9
	-750 (-3.81)	0.08 (19)	7	11	15	22	20	13	10	9
	-1250 (-6.35)	0.21 (51)	7	11	16	23	20	13	10	9
	-1750 (-8.89)	0.40 (99)	7	11	16	23	20	13	10	9
60 (1500)	+1750 (+8.89)	0.45 (111)	7	15	19	32	29	21	14	12
	+1250 (+6.35)	0.23 (56)	8	16	20	32	30	21	14	12
	+750 (+3.81)	0.08 (21)	8	17	20	33	30	21	14	12
	+375 (+1.91)	0.02 (5)	8	17	21	34	31	21	14	12
	0 (0)	0.00 (0)	9	18	22	34	31	21	14	12
	-375 (-1.91)	0.02 (5)	9	18	22	35	32	21	14	12
	-750 (-3.81)	0.08 (21)	9	19	23	35	32	21	14	12
	-1250 (-6.35)	0.23 (56)	9	19	24	36	33	21	14	12
	-1750 (-8.89)	0.45 (111)	10	20	25	36	33	21	14	12
84 (2100)	+1750 (+8.89)	0.53 (131)	11	18	23	38	38	25	15	11
	+1250 (+6.35)	0.26 (64)	11	19	24	39	39	25	15	12
	+750 (+3.81)	0.09 (23)	12	20	25	40	39	25	15	12
	+375 (+1.91)	0.02 (6)	12	20	26	41	40	25	15	12
	0 (0)	0.00 (0)	12	21	27	41	40	25	15	12
	-375 (-1.91)	0.02 (6)	13	21	28	42	41	25	15	12
	-750 (-3.81)	0.09 (23)	13	22	29	43	42	25	15	12
	-1250 (-6.35)	0.26 (64)	14	23	30	43	42	25	16	12
	-1750 (-8.89)	0.53 (131)	14	24	31	44	43	25	16	12
108 (2700)	+1750 (+8.89)	0.61 (152)	14	21	28	45	46	30	16	11
	+1250 (+6.35)	0.29 (71)	14	22	29	46	47	30	16	11
	+750 (+3.81)	0.10 (25)	15	22	31	47	48	30	17	12
	+375 (+1.91)	0.03 (7)	16	23	32	48	49	30	17	12
	0 (0)	0.00 (0)	16	24	33	49	50	30	17	12
	-375 (-1.91)	0.03 (7)	16	25	34	49	50	30	17	12
	-750 (-3.81)	0.10 (25)	17	25	34	50	51	30	17	12
	-1250 (-6.35)	0.29 (71)	18	26	36	51	52	30	17	12
	-1750 (-8.89)	0.61 (152)	18	27	37	52	53	30	17	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (5)	0.08 (19)	0.21 (51)	0.40 (99)
60 (1500)	0.02 (5)	0.08 (21)	0.23 (56)	0.45 (111)
84 (2100)	0.02 (6)	0.09 (23)	0.26 (64)	0.53 (131)
108 (2700)	0.03 (7)	0.10 (25)	0.29 (71)	0.61 (152)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	64	54	50	51	48	48	49	45
	+1250 (+6.35)	55	43	36	42	42	40	37	33
	+750 (+3.81)	41	25	15	29	32	27	19	15
	+375 (+1.91)	25	20	15	15	20	12	12	12
	-375 (-1.91)	25	20	15	17	24	14	12	12
	-750 (-3.81)	33	20	15	31	36	32	29	19
	-1250 (-6.35)	48	25	29	40	45	46	46	38
	-1750 (-8.89)	58	35	39	47	50	55	57	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RMX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.06 (14)	2	2	6	14	21	20	13	11
	+2000 (+10.16)	0.04 (10)	2	2	6	14	21	20	13	11
	+1500 (+7.62)	0.02 (6)	2	2	6	14	22	20	13	11
	+1000 (+5.08)	0.01 (3)	2	2	6	15	22	20	13	11
	+500 (+2.54)	0.01 (2)	2	2	6	15	22	20	13	11
	0 (0)	0.00 (0)	2	2	6	15	22	20	13	11
	-500 (-2.54)	0.01 (2)	2	2	6	15	23	20	13	11
	-1000 (-5.08)	0.01 (3)	2	2	6	15	23	20	13	11
	-1500 (-7.62)	0.02 (6)	2	2	6	15	23	20	13	11
	-2000 (-10.16)	0.04 (10)	2	2	6	15	23	20	14	11
	-2500 (-12.7)	0.06 (14)	2	2	7	15	23	20	14	11
60 (1500)	+2500 (+12.7)	0.06 (16)	4	3	8	21	31	25	16	11
	+2000 (+10.16)	0.04 (11)	4	3	8	21	31	25	16	11
	+1500 (+7.62)	0.03 (6)	4	3	8	21	31	25	16	11
	+1000 (+5.08)	0.01 (3)	4	3	8	22	31	25	16	11
	+500 (+2.54)	0.01 (2)	4	3	9	22	32	25	16	11
	0 (0)	0.00 (0)	4	3	9	22	32	25	16	11
	-500 (-2.54)	0.01 (2)	4	3	9	22	32	25	16	11
	-1000 (-5.08)	0.01 (3)	4	3	9	22	32	25	16	11
	-1500 (-7.62)	0.03 (6)	4	3	9	22	32	25	16	12
	-2000 (-10.16)	0.04 (11)	4	3	9	22	32	25	16	12
	-2500 (-12.7)	0.06 (16)	4	3	9	22	33	25	16	12
84 (2100)	+2500 (+12.7)	0.07 (18)	5	4	10	28	40	30	18	11
	+2000 (+10.16)	0.05 (12)	5	4	11	28	40	30	18	11
	+1500 (+7.62)	0.03 (7)	5	4	11	28	40	30	18	11
	+1000 (+5.08)	0.02 (4)	5	4	11	28	41	30	18	11
	+500 (+2.54)	0.01 (2)	5	4	11	28	41	30	18	11
	0 (0)	0.00 (0)	5	4	11	29	41	30	18	12
	-500 (-2.54)	0.01 (2)	6	4	11	29	41	30	18	12
	-1000 (-5.08)	0.02 (4)	6	4	11	29	41	30	18	12
	-1500 (-7.62)	0.03 (7)	6	4	11	29	42	30	18	12
	-2000 (-10.16)	0.05 (12)	6	4	12	29	42	30	18	12
	-2500 (-12.7)	0.07 (18)	6	4	12	29	42	30	18	12
108 (2700)	+2500 (+12.7)	0.08 (21)	7	5	13	34	49	35	20	11
	+2000 (+10.16)	0.05 (14)	7	5	13	35	49	35	20	11
	+1500 (+7.62)	0.03 (8)	7	5	13	35	50	35	20	11
	+1000 (+5.08)	0.02 (4)	7	5	13	35	50	35	20	11
	+500 (+2.54)	0.01 (2)	7	5	13	35	50	35	20	11
	0 (0)	0.00 (0)	7	5	14	35	50	35	21	12
	-500 (-2.54)	0.01 (2)	7	5	14	36	51	35	21	12
	-1000 (-5.08)	0.02 (4)	7	5	14	36	51	35	21	12
	-1500 (-7.62)	0.03 (8)	7	5	14	36	51	35	21	12
	-2000 (-10.16)	0.05 (14)	7	5	14	36	51	35	21	12
	-2500 (-12.7)	0.08 (21)	8	5	14	36	52	35	21	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.01 (3)	0.02 (6)	0.04 (10)	0.06 (14)
60 (1500)	0.01 (2)	0.01 (3)	0.03 (6)	0.04 (11)	0.06 (16)
84 (2100)	0.01 (2)	0.02 (4)	0.03 (7)	0.05 (12)	0.07 (18)
108 (2700)	0.01 (2)	0.02 (4)	0.03 (8)	0.05 (14)	0.09 (21)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	37	21	15	16	29	26	24	20
	+2000 (+10.16)	30	20	15	15	25	21	17	14
	+1500 (+7.62)	22	20	15	15	20	14	10	10
	+1000 (+5.08)	25	20	15	15	13	10	10	10
	+500 (+2.54)	25	20	15	15	10	10	10	10
	-500 (-2.54)	25	20	15	15	10	10	10	10
	-1000 (-5.08)	25	20	15	15	10	15	10	10
	-1500 (-7.62)	26	20	15	15	20	25	21	17
	2000 (-10.16)	34	20	15	15	27	31	29	25
	-2500 (-12.7)	39	23	17	20	32	36	35	31

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.09 (22)	2	3	9	18	26	24	17	13
	+2000 (+10.16)	0.06 (14)	2	4	9	18	26	24	17	13
	+1500 (+7.62)	0.04 (9)	2	4	9	19	26	24	18	13
	+1000 (+5.08)	0.02 (4)	3	4	9	19	26	24	18	13
	+500 (+2.54)	0.01 (2)	3	4	9	19	26	24	18	13
	0 (0)	0.00 (0)	3	4	10	19	27	24	18	13
	-500 (-2.54)	0.01 (2)	3	4	10	19	27	24	18	14
	-1000 (-5.08)	0.02 (4)	3	4	10	19	27	24	18	14
	-1500 (-7.62)	0.04 (9)	3	4	10	19	27	24	18	14
	-2000 (-10.16)	0.06 (14)	3	4	10	20	27	24	18	14
	-2500 (-12.7)	0.09 (22)	3	4	10	20	28	24	18	14
60 (1500)	+2500 (+12.7)	0.11 (26)	4	6	15	28	40	30	21	16
	+2000 (+10.16)	0.07 (17)	4	6	15	28	40	30	22	16
	+1500 (+7.62)	0.04 (9)	4	6	15	28	40	30	22	16
	+1000 (+5.08)	0.02 (4)	4	6	16	29	40	30	22	16
	+500 (+2.54)	0.01 (1)	4	6	16	29	41	30	22	16
	0 (0)	0.00 (0)	4	6	16	29	41	30	22	16
	-500 (-2.54)	0.01 (1)	4	6	16	29	41	30	22	16
	-1000 (-5.08)	0.02 (4)	4	6	16	29	42	30	22	16
	-1500 (-7.62)	0.04 (9)	4	6	17	30	42	30	22	16
	-2000 (-10.16)	0.07 (17)	4	6	17	30	42	30	22	16
	-2500 (-12.7)	0.11 (26)	4	6	17	30	42	30	22	17
84 (2100)	+2500 (+12.7)	0.14 (34)	5	7	20	37	46	40	26	18
	+2000 (+10.16)	0.08 (21)	5	7	20	37	47	40	26	18
	+1500 (+7.62)	0.05 (12)	5	7	20	37	47	40	26	18
	+1000 (+5.08)	0.02 (5)	5	7	20	37	47	40	26	18
	+500 (+2.54)	0.01 (2)	5	7	21	38	48	40	26	18
	0 (0)	0.00 (0)	5	8	21	38	48	40	26	19
	-500 (-2.54)	0.01 (2)	5	8	21	38	48	40	26	19
	-1000 (-5.08)	0.02 (5)	5	8	22	39	49	40	26	19
	-1500 (-7.62)	0.05 (12)	5	8	22	39	49	40	26	19
	-2000 (-10.16)	0.08 (21)	5	8	22	39	49	40	26	19
	-2500 (-12.7)	0.14 (34)	6	8	22	39	50	40	26	19
108 (2700)	+2500 (+12.7)	0.16 (40)	6	8	24	45	53	50	30	21
	+2000 (+10.16)	0.10 (24)	6	9	25	46	53	50	30	21
	+1500 (+7.62)	0.06 (14)	6	9	25	46	54	50	30	21
	+1000 (+5.08)	0.03 (6)	6	9	25	46	54	50	30	21
	+500 (+2.54)	0.01 (2)	6	9	26	47	55	50	30	21
	0 (0)	0.00 (0)	7	9	26	47	55	50	30	21
	-500 (-2.54)	0.01 (2)	7	9	26	47	55	50	30	21
	-1000 (-5.08)	0.02 (6)	7	9	27	48	56	50	30	21
	-1500 (-7.62)	0.05 (13)	7	9	27	48	56	50	30	21
	-2000 (-10.16)	0.10 (24)	7	9	27	48	57	50	30	22
	-2500 (-12.7)	0.16 (40)	7	10	28	49	57	50	30	22

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.02 (4)	0.04 (9)	0.06 (14)	0.09 (22)
60 (1500)	0.01 (1)	0.02 (4)	0.04 (9)	0.07 (17)	0.11 (26)
84 (2100)	0.01 (2)	0.02 (5)	0.05 (12)	0.08 (21)	0.14 (34)
108 (2700)	0.01 (2)	0.03 (6)	0.06 (14)	0.10 (24)	0.16 (40)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	45	30	25	25	35	33	32	29
	+2000 (+10.16)	38	23	18	18	31	28	26	22
	+1500 (+7.62)	30	20	15	15	25	21	17	14
	+1000 (+5.08)	25	20	15	15	18	11	10	10
	+500 (+2.54)	25	20	15	15	10	10	10	10
	-500 (-2.54)	25	20	15	15	10	10	10	10
	-1000 (-5.08)	25	20	15	15	17	22	17	14
	-1500 (-7.62)	34	20	15	15	27	31	29	25
	2000 (-10.16)	41	25	19	22	33	38	37	33
	-2500 (-12.7)	47	32	27	30	39	43	43	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.26 (65)	3	5	12	22	30	29	21	15
	+2000 (+10.16)	0.17 (42)	3	5	12	22	30	29	22	15
	+1500 (+7.62)	0.10 (24)	3	5	12	22	30	29	22	16
	+1000 (+5.08)	0.04 (11)	3	5	13	23	30	29	22	16
	+500 (+2.54)	0.01 (2)	3	5	13	23	31	29	22	16
	0 (0)	0.00 (0)	3	5	13	23	31	29	22	16
	-500 (-2.54)	0.01 (2)	3	6	13	23	31	29	22	16
	-1000 (-5.08)	0.04 (11)	3	6	13	23	31	29	22	16
	-1500 (-7.62)	0.10 (24)	3	6	14	24	32	29	22	16
	-2000 (-10.16)	0.17 (42)	3	6	14	24	32	29	22	16
	-2500 (-12.7)	0.26 (65)	3	6	14	24	32	29	22	17
60 (1500)	+2500 (+12.7)	0.27 (67)	5	7	18	33	45	38	27	19
	+2000 (+10.16)	0.17 (43)	5	7	19	33	45	38	27	19
	+1500 (+7.62)	0.10 (24)	5	8	19	33	46	38	28	19
	+1000 (+5.08)	0.04 (11)	5	8	19	33	46	38	28	19
	+500 (+2.54)	0.01 (2)	5	8	20	34	47	38	28	19
	0 (0)	0.00 (0)	5	8	20	34	47	38	28	20
	-500 (-2.54)	0.01 (2)	5	8	20	34	47	38	28	20
	-1000 (-5.08)	0.04 (11)	5	8	21	35	48	38	28	20
	-1500 (-7.62)	0.10 (24)	5	8	21	35	48	38	28	20
	-2000 (-10.16)	0.17 (43)	5	9	21	35	49	38	28	20
	-2500 (-12.7)	0.27 (67)	6	9	22	35	49	38	28	21
84 (2100)	+2500 (+12.7)	0.33 (83)	7	10	23	42	48	47	33	22
	+2000 (+10.16)	0.21 (52)	7	10	24	42	49	47	33	23
	+1500 (+7.62)	0.12 (29)	7	10	24	42	49	47	34	23
	+1000 (+5.08)	0.05 (13)	7	10	25	43	50	47	34	23
	+500 (+2.54)	0.01 (3)	7	10	25	43	50	47	34	23
	0 (0)	0.00 (0)	7	11	26	44	51	47	34	23
	-500 (-2.54)	0.01 (3)	7	11	26	44	51	47	34	24
	-1000 (-5.08)	0.05 (13)	7	11	26	44	51	47	34	24
	-1500 (-7.62)	0.12 (29)	8	11	27	45	52	47	34	24
	-2000 (-10.16)	0.21 (52)	8	11	27	45	52	47	34	24
	-2500 (-12.7)	0.33 (83)	8	11	28	45	53	47	35	25
108 (2700)	+2500 (+12.7)	0.37 (92)	8	12	28	51	52	55	39	26
	+2000 (+10.16)	0.23 (56)	9	12	29	51	52	55	39	26
	+1500 (+7.62)	0.13 (31)	9	12	29	52	53	55	40	26
	+1000 (+5.08)	0.05 (14)	9	13	30	52	53	55	40	27
	+500 (+2.54)	0.01 (4)	9	13	30	53	54	55	40	27
	0 (0)	0.00 (0)	9	13	31	53	54	55	40	27
	-500 (-2.54)	0.01 (4)	9	13	32	53	54	55	40	27
	-1000 (-5.08)	0.05 (14)	10	13	32	54	55	55	40	28
	-1500 (-7.62)	0.13 (31)	10	14	33	54	55	55	40	28
	-2000 (-10.16)	0.23 (56)	10	14	33	55	56	55	41	28
	-2500 (-12.7)	0.37 (92)	10	14	34	55	56	55	41	29

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.04 (11)	0.10 (24)	0.17 (42)	0.26 (65)
60 (1500)	0.01 (2)	0.04 (11)	0.10 (24)	0.17 (43)	0.27 (67)
84 (2100)	0.01 (3)	0.05 (13)	0.12 (29)	0.21 (52)	0.33 (83)
108 (2700)	0.01 (4)	0.05 (14)	0.13 (31)	0.23 (56)	0.37 (92)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	56	43	39	38	42	43	44	40
	+2000 (+10.16)	50	36	32	31	38	38	38	34
	+1500 (+7.62)	42	27	22	22	33	31	29	26
	+1000 (+5.08)	30	20	15	15	25	21	17	14
	+500 (+2.54)	25	20	15	15	13	10	10	10
	-500 (-2.54)	25	20	15	15	10	15	10	10
	-1000 (-5.08)	34	20	15	15	27	31	29	25
	-1500 (-7.62)	44	29	23	26	36	41	40	36
	2000 (-10.16)	51	37	33	36	43	47	48	44
	-2500 (-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.06 (14)	1	2	7	13	11	9	6	3
	+2000 (+10.16)	0.04 (9)	1	2	8	13	11	9	6	3
	+1500 (+7.62)	0.02 (5)	1	3	8	13	11	9	6	3
	+1000 (+5.08)	0.01 (3)	1	3	8	14	12	9	6	3
	+500 (+2.54)	0.01 (2)	1	3	8	14	12	9	6	3
	0 (0)	0.00 (0)	1	3	8	14	12	9	6	3
	-500 (-2.54)	0.01 (2)	1	3	8	14	12	9	6	3
	-1000 (-5.08)	0.01 (3)	2	3	8	14	12	9	6	3
	-1500 (-7.62)	0.02 (5)	2	3	8	14	12	9	6	3
	-2000 (-10.16)	0.04 (9)	2	3	8	14	12	9	6	3
	-2500 (-12.7)	0.06 (14)	2	3	8	14	12	9	6	3
60 (1500)	+2500 (+12.7)	0.06 (15)	2	4	11	20	16	11	8	4
	+2000 (+10.16)	0.04 (10)	2	4	11	20	16	11	8	4
	+1500 (+7.62)	0.02 (6)	2	5	11	20	17	11	8	5
	+1000 (+5.08)	0.01 (3)	2	5	12	20	17	11	8	5
	+500 (+2.54)	0.01 (2)	2	5	12	20	17	11	8	5
	0 (0)	0.00 (0)	2	5	12	21	17	11	8	5
	-500 (-2.54)	0.01 (2)	2	5	12	21	17	11	8	5
	-1000 (-5.08)	0.01 (3)	2	5	12	21	17	11	8	5
	-1500 (-7.62)	0.02 (6)	2	5	12	21	17	11	8	5
	-2000 (-10.16)	0.04 (10)	2	5	12	21	17	11	8	5
	-2500 (-12.7)	0.06 (15)	2	5	13	21	17	11	8	5
84 (2100)	+2500 (+12.7)	0.06 (16)	2	6	15	26	21	14	9	6
	+2000 (+10.16)	0.04 (10)	2	6	15	27	21	14	9	6
	+1500 (+7.62)	0.02 (6)	2	7	15	27	21	14	9	6
	+1000 (+5.08)	0.01 (3)	2	7	16	27	22	14	9	6
	+500 (+2.54)	0.01 (2)	3	7	16	27	22	14	9	6
	0 (0)	0.00 (0)	3	7	16	27	22	14	9	6
	-500 (-2.54)	0.01 (2)	3	7	16	27	22	14	9	6
	-1000 (-5.08)	0.01 (3)	3	7	16	27	22	14	9	7
	-1500 (-7.62)	0.02 (6)	3	7	16	28	22	14	10	7
	-2000 (-10.16)	0.04 (10)	3	7	17	28	22	14	10	7
	-2500 (-12.7)	0.06 (16)	3	7	17	28	22	14	10	7
108 (2700)	+2500 (+12.7)	0.07 (17)	3	8	19	33	26	17	11	6
	+2000 (+10.16)	0.04 (11)	3	8	19	33	26	17	11	6
	+1500 (+7.62)	0.03 (6)	3	9	19	33	26	17	11	6
	+1000 (+5.08)	0.01 (3)	3	9	19	33	26	17	11	6
	+500 (+2.54)	0.01 (2)	3	9	20	34	27	17	11	6
	0 (0)	0.00 (0)	3	9	20	34	27	17	11	8
	-500 (-2.54)	0.01 (2)	3	9	20	34	27	17	11	8
	-1000 (-5.08)	0.01 (3)	3	9	20	34	27	17	11	8
	-1500 (-7.62)	0.03 (6)	3	9	21	34	27	17	11	8
	-2000 (-10.16)	0.04 (11)	3	9	21	35	27	17	11	8
	-2500 (-12.7)	0.07 (17)	3	9	21	35	27	17	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.01 (3)	0.02 (5)	0.04 (9)	0.06 (14)
60 (1500)	0.01 (2)	0.01 (3)	0.02 (6)	0.04 (10)	0.06 (15)
84 (2100)	0.01 (2)	0.01 (3)	0.02 (6)	0.04 (10)	0.06 (16)
108 (2700)	0.01 (2)	0.01 (3)	0.03 (6)	0.04 (11)	0.07 (17)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	37	21	15	16	29	26	24	20
	+2000 (+10.16)	30	20	15	15	25	21	17	14
	+1500 (+7.62)	22	20	15	15	20	14	10	10
	+1000 (+5.08)	25	20	15	15	13	10	10	10
	+500 (+2.54)	25	20	15	15	10	10	10	10
	-500 (-2.54)	25	20	15	15	10	10	10	10
	-1000 (-5.08)	25	20	15	15	10	15	10	10
	-1500 (-7.62)	26	20	15	15	20	25	21	17
	2000 (-10.16)	34	20	15	15	27	31	29	25
	-2500 (-12.7)	39	23	17	20	32	36	35	31

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.12 (30)	3	5	11	17	14	12	10	7
	+2000 (+10.16)	0.08 (19)	3	5	11	17	14	12	10	7
	+1500 (+7.62)	0.04 (10)	3	5	11	18	14	12	10	7
	+1000 (+5.08)	0.02 (4)	3	5	11	18	14	12	10	7
	+500 (+2.54)	0.01 (2)	3	5	12	18	15	12	10	7
	0 (0)	0.00 (0)	3	5	12	18	15	12	10	8
	-500 (-2.54)	0.01 (2)	3	5	12	18	15	12	10	8
	-1000 (-5.08)	0.02 (4)	3	5	12	18	15	12	10	8
	-1500 (-7.62)	0.04 (10)	3	5	12	18	15	12	10	8
	-2000 (-10.16)	0.08 (19)	3	5	12	18	15	12	10	8
	-2500 (-12.7)	0.12 (30)	3	5	12	19	15	12	10	8
60 (1500)	+2500 (+12.7)	0.12 (29)	4	7	15	25	21	15	11	8
	+2000 (+10.16)	0.07 (19)	4	7	15	25	21	15	11	8
	+1500 (+7.62)	0.04 (10)	4	7	16	25	21	15	11	8
	+1000 (+5.08)	0.02 (4)	4	7	16	25	21	15	11	8
	+500 (+2.54)	0.01 (2)	4	7	16	25	21	15	11	8
	0 (0)	0.00 (0)	4	7	16	26	22	15	11	8
	-500 (-2.54)	0.01 (2)	4	7	17	26	22	15	11	8
	-1000 (-5.08)	0.02 (4)	4	8	17	26	22	15	11	9
	-1500 (-7.62)	0.04 (10)	5	8	17	26	22	15	11	9
	-2000 (-10.16)	0.07 (19)	5	8	17	26	22	15	11	9
	-2500 (-12.7)	0.12 (29)	5	8	17	26	22	15	11	9
84 (2100)	+2500 (+12.7)	0.11 (28)	5	9	20	32	28	18	12	9
	+2000 (+10.16)	0.07 (18)	5	9	20	32	28	18	12	9
	+1500 (+7.62)	0.04 (10)	6	9	20	33	28	18	12	9
	+1000 (+5.08)	0.02 (4)	6	9	20	33	28	18	12	9
	+500 (+2.54)	0.01 (2)	6	10	21	33	28	18	12	9
	0 (0)	0.00 (0)	6	10	21	33	29	18	12	9
	-500 (-2.54)	0.01 (2)	6	10	21	33	29	18	13	9
	-1000 (-5.08)	0.02 (4)	6	10	22	34	29	18	13	9
	-1500 (-7.62)	0.04 (10)	6	10	22	34	29	18	13	9
	-2000 (-10.16)	0.07 (18)	6	10	22	34	29	18	13	9
	-2500 (-12.7)	0.11 (28)	6	10	22	34	30	18	13	9
108 (2700)	+2500 (+12.7)	0.10 (25)	7	11	24	40	34	22	13	10
	+2000 (+10.16)	0.06 (15)	7	11	24	40	35	22	14	10
	+1500 (+7.62)	0.04 (9)	7	12	25	40	35	22	14	10
	+1000 (+5.08)	0.02 (4)	7	12	25	40	35	22	14	10
	+500 (+2.54)	0.01 (2)	7	12	25	41	35	22	14	10
	0 (0)	0.00 (0)	7	12	26	41	36	22	14	10
	-500 (-2.54)	0.01 (2)	7	12	26	41	36	22	14	10
	-1000 (-5.08)	0.02 (4)	7	12	26	41	36	22	14	10
	-1500 (-7.62)	0.04 (9)	8	13	27	42	36	22	14	10
	-2000 (-10.16)	0.06 (15)	8	13	27	42	37	22	14	10
	-2500 (-12.7)	0.10 (25)	8	13	27	42	37	22	14	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.02 (4)	0.04 (10)	0.08 (19)	0.12 (30)
60 (1500)	0.01 (2)	0.02 (4)	0.04 (10)	0.07 (19)	0.12 (29)
84 (2100)	0.01 (2)	0.02 (4)	0.04 (10)	0.07 (18)	0.11 (28)
108 (2700)	0.01 (2)	0.02 (4)	0.04 (9)	0.06 (15)	0.10 (25)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	45	30	25	25	35	33	32	29
	+2000 (+10.16)	38	23	18	18	31	28	26	22
	+1500 (+7.62)	30	20	15	15	25	21	17	14
	+1000 (+5.08)	25	20	15	15	18	11	10	10
	+500 (+2.54)	25	20	15	15	10	10	10	10
	-500 (-2.54)	25	20	15	15	10	10	10	10
	-1000 (-5.08)	25	20	15	15	17	22	17	14
	-1500 (-7.62)	34	20	15	15	27	31	29	25
	2000 (-10.16)	41	25	19	22	33	38	37	33
	-2500 (-12.7)	47	32	27	30	39	43	43	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.35 (86)	4	7	14	21	17	15	15	12
	+2000 (+10.16)	0.22 (55)	4	7	14	21	17	15	15	12
	+1500 (+7.62)	0.12 (29)	4	7	15	21	17	15	15	12
	+1000 (+5.08)	0.05 (12)	4	7	15	22	17	15	15	12
	+500 (+2.54)	0.01 (3)	4	7	15	22	17	15	15	12
	0 (0)	0.00 (0)	4	7	15	22	17	15	15	12
	-500 (-2.54)	0.01 (3)	4	8	16	22	18	15	15	12
	-1000 (-5.08)	0.05 (12)	5	8	16	22	18	15	15	12
	-1500 (-7.62)	0.12 (29)	5	8	16	23	18	15	15	12
	-2000 (-10.16)	0.22 (55)	5	8	16	23	18	15	15	12
	-2500 (-12.7)	0.35 (86)	5	8	17	23	18	15	15	13
60 (1500)	+2500 (+12.7)	0.33 (83)	6	11	21	30	29	24	17	13
	+2000 (+10.16)	0.21 (53)	6	12	22	31	29	24	17	13
	+1500 (+7.62)	0.11 (28)	6	12	22	31	30	24	17	13
	+1000 (+5.08)	0.05 (12)	6	12	22	31	30	24	17	13
	+500 (+2.54)	0.01 (3)	6	12	23	31	30	24	17	13
	0 (0)	0.00 (0)	6	12	23	32	30	24	17	13
	-500 (-2.54)	0.01 (3)	6	13	24	32	31	24	17	13
	-1000 (-5.08)	0.05 (12)	6	13	24	32	31	24	17	13
	-1500 (-7.62)	0.11 (28)	7	13	24	32	31	24	18	13
	-2000 (-10.16)	0.21 (53)	7	13	25	33	31	24	18	14
	-2500 (-12.7)	0.33 (83)	7	13	25	33	32	24	18	14
84 (2100)	+2500 (+12.7)	0.32 (80)	7	16	29	40	41	32	20	13
	+2000 (+10.16)	0.20 (51)	8	16	29	40	42	32	20	13
	+1500 (+7.62)	0.11 (28)	8	16	30	40	42	32	20	14
	+1000 (+5.08)	0.05 (12)	8	17	30	41	42	32	20	14
	+500 (+2.54)	0.01 (3)	8	17	31	41	43	32	20	14
	0 (0)	0.00 (0)	8	17	31	41	43	32	20	14
	-500 (-2.54)	0.01 (3)	8	17	32	42	44	32	20	14
	-1000 (-5.08)	0.05 (12)	8	18	32	42	44	32	20	14
	-1500 (-7.62)	0.11 (28)	8	18	33	42	44	32	20	14
	-2000 (-10.16)	0.20 (51)	9	18	33	43	45	32	20	15
	-2500 (-12.7)	0.32 (80)	9	19	34	43	45	32	20	15
108 (2700)	+2500 (+12.7)	0.31 (77)	9	20	36	49	54	40	22	14
	+2000 (+10.16)	0.19 (48)	9	21	36	49	54	40	22	14
	+1500 (+7.62)	0.11 (27)	9	21	37	50	55	40	22	14
	+1000 (+5.08)	0.05 (12)	10	21	38	50	55	40	22	14
	+500 (+2.54)	0.01 (3)	10	22	38	51	55	40	23	15
	0 (0)	0.00 (0)	10	22	39	51	55	40	23	15
	-500 (-2.54)	0.01 (3)	10	22	39	51	55	40	23	15
	-1000 (-5.08)	0.05 (12)	10	23	40	52	55	40	23	15
	-1500 (-7.62)	0.11 (27)	10	23	41	52	55	40	23	15
	-2000 (-10.16)	0.19 (48)	11	24	41	53	58	40	23	16
	-2500 (-12.7)	0.31 (77)	11	24	42	53	58	40	23	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (3)	0.05 (12)	0.12 (29)	0.22 (55)	0.35 (86)
60 (1500)	0.01 (3)	0.05 (12)	0.11 (28)	0.21 (53)	0.33 (83)
84 (2100)	0.01 (3)	0.05 (12)	0.11 (28)	0.20 (51)	0.32 (80)
108 (2700)	0.01 (3)	0.05 (12)	0.11 (27)	0.19 (48)	0.31 (77)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	56	43	39	38	42	43	44	40
	+2000 (+10.16)	50	36	32	31	38	38	38	34
	+1500 (+7.62)	42	27	22	22	33	31	29	26
	+1000 (+5.08)	30	20	15	15	25	21	17	14
	+500 (+2.54)	25	20	15	15	13	10	10	10
	-500 (-2.54)	25	20	15	15	10	15	10	10
	-1000 (-5.08)	34	20	15	15	27	31	29	25
	-1500 (-7.62)	44	29	23	26	35	41	40	36
	2000 (-10.16)	51	37	33	36	43	47	48	44
	-2500 (-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.12 (29)	2	4	7	11	8	7	4	1
	+2000 (+10.16)	0.07 (18)	2	5	7	11	9	7	4	1
	+1500 (+7.62)	0.04 (11)	2	5	7	12	9	7	4	1
	+1000 (+5.08)	0.02 (5)	2	5	7	12	9	7	4	1
	+500 (+2.54)	0.01 (2)	2	5	7	12	9	7	4	1
	0 (0)	0.00 (0)	2	5	7	12	9	7	4	1
	-500 (-2.54)	0.01 (2)	2	5	8	12	9	7	4	1
	-1000 (-5.08)	0.02 (5)	2	5	8	12	9	7	4	1
	-1500 (-7.62)	0.04 (11)	2	5	8	12	9	7	4	1
	-2000 (-10.16)	0.07 (18)	2	5	8	12	9	7	4	1
	-2500 (-12.7)	0.12 (29)	2	5	8	13	9	7	4	1
60 (1500)	+2500 (+12.7)	0.12 (30)	2	6	10	14	8	3	2	2
	+2000 (+10.16)	0.08 (20)	2	6	10	15	8	3	2	2
	+1500 (+7.62)	0.05 (12)	2	6	10	15	8	3	2	2
	+1000 (+5.08)	0.03 (6)	2	6	10	15	8	3	2	2
	+500 (+2.54)	0.01 (2)	2	6	10	15	8	3	2	2
	0 (0)	0.00 (0)	2	6	10	15	8	3	2	2
	-500 (-2.54)	0.01 (2)	2	6	10	15	8	3	2	2
	-1000 (-5.08)	0.03 (6)	2	6	11	15	8	3	2	2
	-1500 (-7.62)	0.05 (12)	3	7	11	15	8	3	2	2
	-2000 (-10.16)	0.08 (20)	3	7	11	15	8	3	2	2
	-2500 (-12.7)	0.12 (30)	3	7	11	16	8	3	2	2
84 (2100)	+2500 (+12.7)	0.13 (34)	4	7	14	20	12	8	7	4
	+2000 (+10.16)	0.08 (19)	4	8	14	20	12	8	7	4
	+1500 (+7.62)	0.05 (12)	4	8	14	21	12	8	7	4
	+1000 (+5.08)	0.02 (6)	4	8	15	21	12	8	7	4
	+500 (+2.54)	0.01 (2)	4	8	15	21	12	8	7	4
	0 (0)	0.00 (0)	4	8	15	21	12	8	7	4
	-500 (-2.54)	0.01 (2)	4	8	15	21	12	8	7	4
	-1000 (-5.08)	0.02 (6)	4	8	15	21	12	8	7	4
	-1500 (-7.62)	0.05 (12)	4	8	16	21	12	8	7	4
	-2000 (-10.16)	0.08 (19)	4	9	16	22	12	8	7	4
	-2500 (-12.7)	0.13 (34)	4	9	16	22	12	8	7	4
108 (2700)	+2500 (+12.7)	0.13 (31)	4	9	17	26	15	10	9	4
	+2000 (+10.16)	0.09 (22)	4	9	18	26	15	10	9	4
	+1500 (+7.62)	0.05 (12)	4	9	18	26	15	10	9	4
	+1000 (+5.08)	0.02 (5)	4	9	18	26	15	10	9	4
	+500 (+2.54)	0.01 (2)	4	10	18	26	15	10	9	4
	0 (0)	0.00 (0)	4	10	19	27	15	10	9	7
	-500 (-2.54)	0.01 (2)	4	10	19	27	15	10	9	7
	-1000 (-5.08)	0.02 (5)	4	10	19	27	15	10	9	7
	-1500 (-7.62)	0.05 (12)	5	10	19	27	16	10	9	7
	-2000 (-10.16)	0.09 (22)	5	10	20	27	16	10	9	7
	-2500 (-12.7)	0.13 (31)	5	10	20	28	16	10	9	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.02 (5)	0.04 (11)	0.07 (18)	0.12 (29)
60 (1500)	0.01 (2)	0.03 (6)	0.05 (12)	0.08 (20)	0.12 (30)
84 (2100)	0.01 (2)	0.02 (6)	0.05 (12)	0.08 (19)	0.13 (34)
108 (2700)	0.01 (2)	0.02 (5)	0.05 (12)	0.09 (22)	0.13 (31)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	46	32	27	27	36	35	34	30
	+2000 (+10.16)	40	25	19	20	32	29	27	24
	+1500 (+7.62)	32	20	15	15	27	22	19	16
	+1000 (+5.08)	25	20	15	15	20	12	12	12
	+500 (+2.54)	25	20	15	15	12	12	12	12
	-500 (-2.54)	25	20	15	15	12	12	12	12
	-1000 (-5.08)	25	20	15	15	19	23	19	15
	-1500 (-7.62)	35	20	15	15	28	33	30	26
	2000 (-10.16)	42	27	20	24	35	39	38	34
	-2500 (-12.7)	48	33	28	31	40	45	45	40

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.32 (80)	2	6	8	13	10	8	6	2
	+2000 (+10.16)	0.21 (52)	3	6	8	13	10	8	6	2
	+1500 (+7.62)	0.12 (29)	3	6	8	13	10	8	6	2
	+1000 (+5.08)	0.05 (13)	3	6	8	14	10	8	6	2
	+500 (+2.54)	0.01 (3)	3	6	8	14	10	8	6	3
	0 (0)	0.00 (0)	3	7	9	14	10	8	6	3
	-500 (-2.54)	0.01 (3)	3	7	9	14	10	8	6	3
	-1000 (-5.08)	0.05 (13)	3	7	9	14	10	8	6	3
	-1500 (-7.62)	0.12 (29)	3	7	9	14	10	8	6	3
	-2000 (-10.16)	0.21 (52)	3	7	9	14	10	8	6	3
	-2500 (-12.7)	0.32 (80)	3	7	9	14	11	8	6	3
60 (1500)	+2500 (+12.7)	0.18 (44)	4	8	11	17	11	6	4	4
	+2000 (+10.16)	0.12 (29)	4	8	11	17	11	6	4	4
	+1500 (+7.62)	0.07 (17)	4	8	11	17	12	6	4	4
	+1000 (+5.08)	0.03 (8)	5	8	11	17	12	6	4	4
	+500 (+2.54)	0.01 (3)	5	8	12	18	12	6	4	4
	0 (0)	0.00 (0)	5	8	12	18	12	6	4	4
	-500 (-2.54)	0.01 (3)	5	9	12	18	12	6	4	4
	-1000 (-5.08)	0.03 (8)	5	9	12	18	12	6	4	4
	-1500 (-7.62)	0.07 (17)	5	9	13	18	12	6	4	4
	-2000 (-10.16)	0.12 (29)	5	9	13	18	12	6	4	4
	-2500 (-12.7)	0.18 (44)	5	9	13	19	12	6	4	4
84 (2100)	+2500 (+12.7)	0.19 (48)	5	10	17	25	16	11	8	5
	+2000 (+10.16)	0.12 (30)	5	10	17	25	16	11	8	5
	+1500 (+7.62)	0.07 (17)	5	10	17	25	17	11	8	5
	+1000 (+5.08)	0.03 (8)	5	11	18	25	17	11	8	5
	+500 (+2.54)	0.01 (3)	6	11	18	26	17	11	8	5
	0 (0)	0.00 (0)	6	11	18	26	17	11	8	5
	-500 (-2.54)	0.01 (3)	6	11	19	26	17	11	8	5
	-1000 (-5.08)	0.03 (8)	6	11	19	26	17	11	8	6
	-1500 (-7.62)	0.07 (17)	6	12	19	27	18	11	9	6
	-2000 (-10.16)	0.12 (30)	6	12	20	27	18	11	9	6
	-2500 (-12.7)	0.19 (48)	6	12	20	27	18	11	9	6
108 (2700)	+2500 (+12.7)	0.19 (47)	7	13	20	31	19	13	10	8
	+2000 (+10.16)	0.11 (28)	7	13	21	31	20	13	10	8
	+1500 (+7.62)	0.06 (15)	7	13	21	31	20	13	10	8
	+1000 (+5.08)	0.03 (8)	7	13	21	31	20	13	10	8
	+500 (+2.54)	0.01 (3)	7	14	22	32	20	13	10	8
	0 (0)	0.00 (0)	7	14	22	32	20	13	11	8
	-500 (-2.54)	0.01 (3)	7	14	23	32	21	13	11	8
	-1000 (-5.08)	0.03 (8)	8	14	23	33	21	13	11	8
	-1500 (-7.62)	0.06 (15)	8	15	23	33	21	13	11	8
	-2000 (-10.16)	0.11 (28)	8	15	24	33	21	13	11	8
	-2500 (-12.7)	0.19 (47)	8	15	24	33	21	13	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (3)	0.05 (13)	0.12 (29)	0.21 (52)	0.32 (80)
60 (1500)	0.01 (3)	0.03 (8)	0.07 (17)	0.12 (29)	0.18 (44)
84 (2100)	0.01 (3)	0.03 (8)	0.07 (17)	0.12 (30)	0.19 (48)
108 (2700)	0.01 (3)	0.03 (8)	0.06 (15)	0.11 (28)	0.19 (47)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	54	41	37	35	41	42	42	38
	+2000 (+10.16)	48	34	29	29	37	36	36	32
	+1500 (+7.62)	40	25	19	20	32	29	27	24
	+1000 (+5.08)	29	20	15	15	25	19	15	12
	+500 (+2.54)	25	20	15	15	12	12	12	12
	-500 (-2.54)	25	20	15	15	12	14	12	12
	-1000 (-5.08)	32	20	15	15	25	30	27	23
	-1500 (-7.62)	42	27	20	24	35	39	38	34
	2000 (-10.16)	50	35	31	33	42	46	47	42
	-2500 (-12.7)	55	42	38	40	47	51	53	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

Performance Data - Model RHX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	1.24 (310)	4	7	11	18	13	10	8	5
	+2000 (+10.16)	0.80 (200)	4	7	12	18	14	10	8	5
	+1500 (+7.62)	0.45 (113)	4	8	12	18	14	10	8	5
	+1000 (+5.08)	0.20 (49)	4	8	12	18	14	10	8	5
	+500 (+2.54)	0.04 (10)	4	8	13	19	14	10	8	5
	0 (0)	0.00 (0)	4	8	13	19	14	10	8	5
	-500 (-2.54)	0.04 (10)	4	8	13	19	14	10	8	5
	-1000 (-5.08)	0.20 (49)	4	9	13	19	15	10	8	5
	-1500 (-7.62)	0.45 (113)	4	9	14	19	15	10	8	5
	-2000 (-10.16)	0.80 (200)	5	9	14	20	15	10	8	5
	-2500 (-12.7)	1.24 (310)	5	9	14	20	15	10	8	5
60 (1500)	+2500 (+12.7)	0.50 (125)	6	11	15	23	17	9	7	7
	+2000 (+10.16)	0.30 (75)	6	11	15	23	17	9	7	7
	+1500 (+7.62)	0.18 (44)	6	11	15	23	17	9	7	7
	+1000 (+5.08)	0.08 (20)	6	12	16	24	17	9	7	7
	+500 (+2.54)	0.02 (5)	6	12	16	24	18	9	7	7
	0 (0)	0.00 (0)	6	12	16	24	18	9	7	7
	-500 (-2.54)	0.02 (5)	6	12	17	24	18	9	7	7
	-1000 (-5.08)	0.08 (20)	7	13	17	25	18	9	7	7
	-1500 (-7.62)	0.18 (44)	7	13	18	25	18	9	7	7
	-2000 (-10.16)	0.30 (75)	7	13	18	25	19	9	7	7
	-2500 (-12.7)	0.50 (125)	7	14	18	26	19	9	7	7
84 (2100)	+2500 (+12.7)	0.35 (87)	8	14	18	30	23	15	11	9
	+2000 (+10.16)	0.22 (55)	8	14	19	30	23	15	11	9
	+1500 (+7.62)	0.12 (31)	9	15	19	30	24	15	11	9
	+1000 (+5.08)	0.06 (14)	9	15	19	31	24	15	11	9
	+500 (+2.54)	0.02 (4)	9	15	20	31	24	15	11	9
	0 (0)	0.00 (0)	9	16	20	31	24	15	11	9
	-500 (-2.54)	0.02 (4)	9	16	21	32	25	15	11	9
	-1000 (-5.08)	0.06 (14)	10	16	21	32	25	15	11	9
	-1500 (-7.62)	0.12 (31)	10	17	22	32	25	15	11	9
	-2000 (-10.16)	0.22 (55)	10	17	22	33	25	15	11	9
	-2500 (-12.7)	0.35 (87)	10	17	23	33	26	15	11	9
108 (2700)	+2500 (+12.7)	0.36 (91)	10	17	23	36	28	18	12	10
	+2000 (+10.16)	0.25 (63)	10	17	24	37	29	18	12	10
	+1500 (+7.62)	0.13 (32)	10	18	24	37	29	18	12	10
	+1000 (+5.08)	0.06 (16)	10	18	25	38	29	18	12	10
	+500 (+2.54)	0.02 (5)	11	18	26	38	30	18	12	10
	0 (0)	0.00 (0)	11	19	26	38	30	18	13	10
	-500 (-2.54)	0.02 (5)	11	19	27	39	30	18	13	10
	-1000 (-5.08)	0.06 (16)	11	20	27	39	31	18	13	10
	-1500 (-7.62)	0.13 (32)	12	20	28	40	31	18	13	10
	-2000 (-10.16)	0.25 (63)	12	20	28	40	31	18	13	10
	-2500 (-12.7)	0.36 (91)	12	21	29	41	32	18	13	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.04 (10)	0.20 (49)	0.45 (113)	0.80 (200)	1.24 (310)
60 (1500)	0.02 (5)	0.08 (20)	0.18 (44)	0.30 (75)	0.50 (125)
84 (2100)	0.02 (4)	0.06 (14)	0.12 (31)	0.22 (55)	0.35 (87)
108 (2700)	0.02 (5)	0.06 (16)	0.13 (32)	0.25 (63)	0.36 (91)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	65	54	51	48	49	52	54	50
	+2000 (+10.16)	59	47	43	41	45	46	47	44
	+1500 (+7.62)	51	38	33	32	39	39	39	35
	+1000 (+5.08)	40	25	19	20	32	29	27	24
	+500 (+2.54)	25	20	15	15	20	12	12	12
	-500 (-2.54)	25	20	15	15	19	23	19	15
	-1000 (-5.08)	42	27	20	24	35	39	38	34
	-1500 (-7.62)	53	39	35	37	44	49	50	45
	2000 (-10.16)	60	47	45	46	51	55	58	53
	-2500 (-12.7)	66	54	53	54	56	61	64	59

Generated Noise Corrections

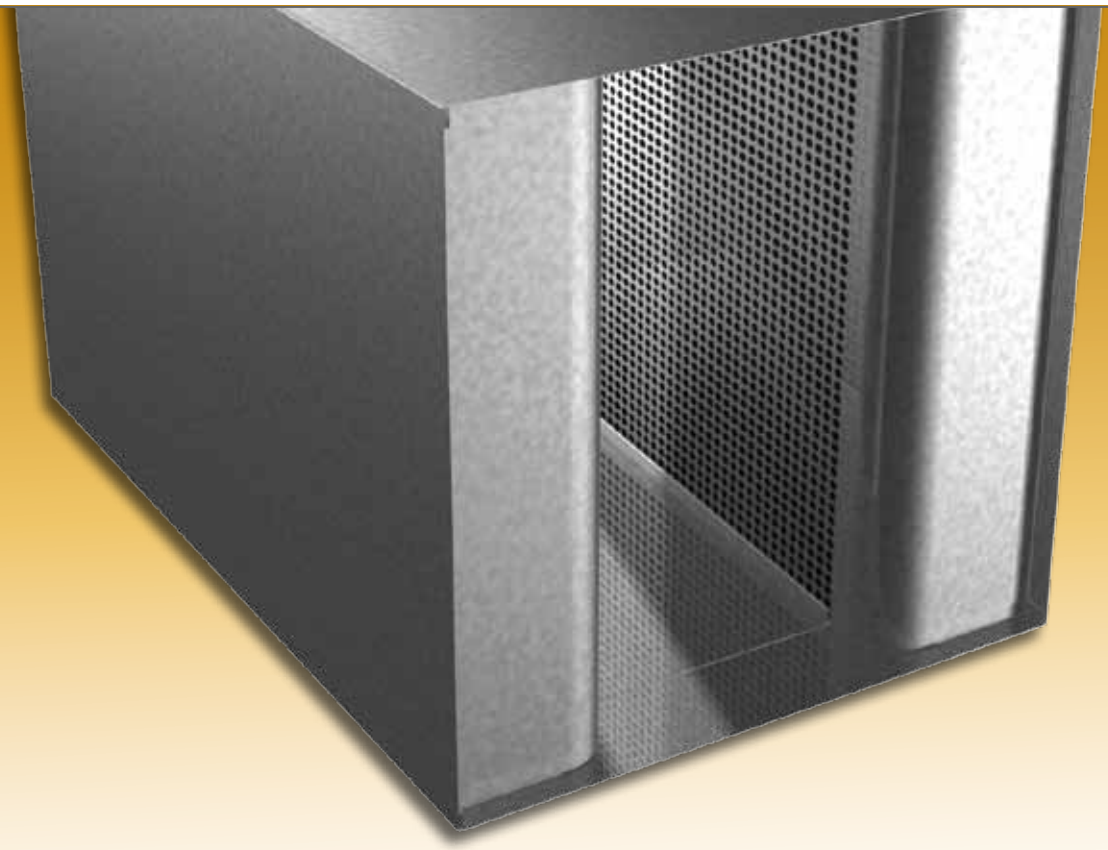
Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition (+) or Reduction (-)	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

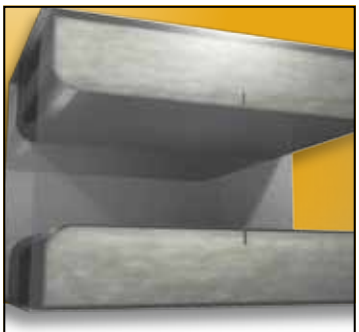


Legacy Rectangular

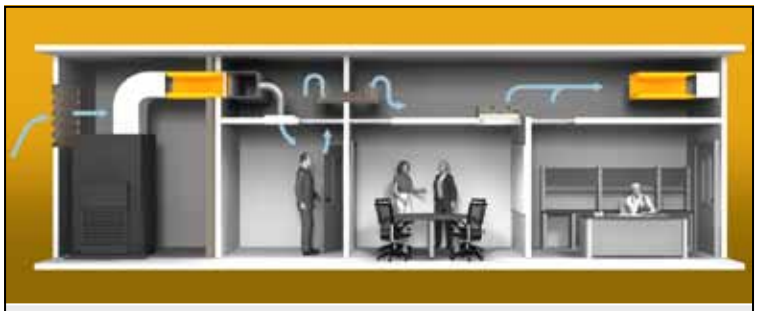
ABSORPTIVE SILENCERS

The Price Legacy silencers align with many manufacturers whose catalog performance is based on standard reference silencer sizes. Legacy rectangular silencers are tested in the NVLAP® Accredited Price Research Center North in strict accordance with ASTM E477.

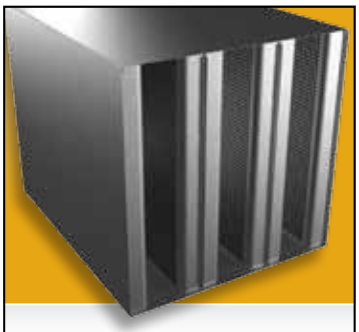
Streamlined silencer model family that provides effective noise control solutions.



Optimized geometries



HVAC Noise Reduction



Various configurations

Please contact **noise**control@priceindustries.com for more information.

Product Information

Models

Legacy Rectangular Silencers

Low Pressure	**L**
Medium Pressure	**M**
High Pressure	**H**
Low Frequency Low Pressure	**LL**
Low Frequency Med Pressure	**LM**
Low Frequency High Pressure	**LH**

Performance

All published acoustic and aerodynamic performance results are based on tests conducted in strict accordance with ASTM E477 in Price Industry's NVLAP-Accredited laboratory. Acoustic and aerodynamic performance data is obtained in a similar fashion as other legacy silencer manufacturers using 24" x 24" cross section area test units.

Construction

Price Legacy Absorptive Rectangular Silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications.

CL1 – 22 gauge casing
CL2 – 18 gauge casing
****HTL1** – 16 gauge casing
****HTL2** – 10 gauge casing

For applications with strict or unique requirements, please contact your local Price sales rep.

Materials

G – Galvanized (Default material)
A – Aluminum†
304 – 304 Stainless Steel†
316 – 316 Stainless Steel†
SC – Satin Coat (Paintable)

† Gauge may differ from standard values.

Components

Rectangular silencers that exceed a width of 48 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions as depicted on the right.

Accessories & Custom Options

Price provides additional options such as:

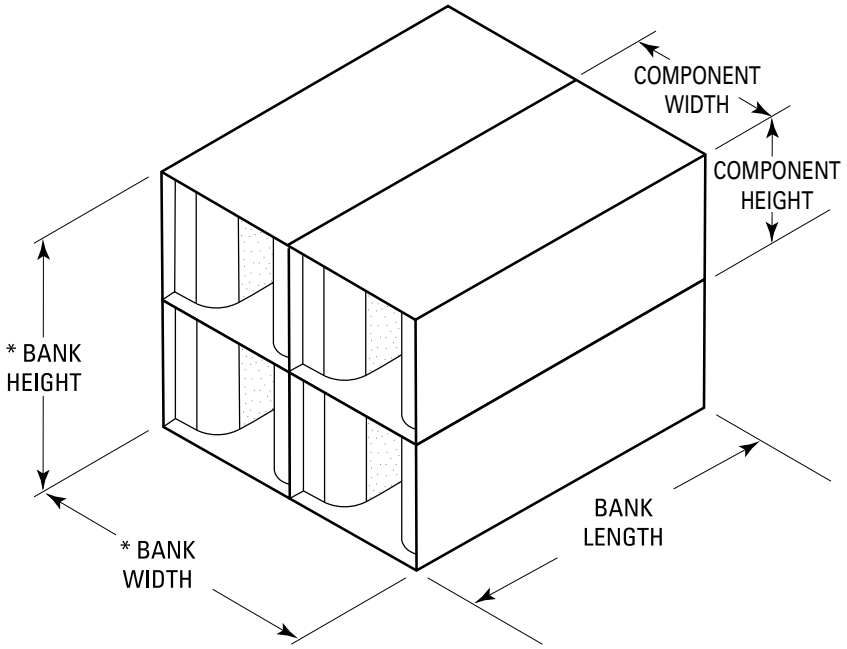
- Paint
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Standard Dimension Limits

Bank Width		Bank Height		Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	240	6	144	24	120	6	48	6	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.



* Bank width & height typically equal the duct dimensions.

Silencer Manufacturer Comparison

Price Legacy	Aerosonics	Dynasonics	IAC
L	LP	SF-59	L
M	MP	SF-85	ES
H	HP	SF-99	S
LL	LLP	LF-75	LFL
LM	LMP	LF-79	LFM
LH	LHP	LF-99	LFS

© Copyright Price Industries Limited 2014.

Performance Data - Model L

Price Model L silencers are suitable for high velocity applications and provide broadband attenuation at a low static pressure.

Example: 24 Width x 36 Height L / 60 Length

Dynamic Insertion Loss (DIL)

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36	+2000	0.32	3	4	8	14	23	19	14	13
	+1000	0.08	3	4	8	15	23	19	14	13
	0	0	3	4	8	15	24	19	14	13
	-1000	0.08	4	5	9	15	25	19	14	13
	-2000	0.32	4	5	10	16	26	19	14	13
60	+2000	0.38	5	7	11	25	34	32	17	15
	+1000	0.09	5	7	12	26	35	32	17	15
	0	0	5	7	12	26	35	32	16	15
	-1000	0.09	5	8	13	27	36	32	16	15
	-2000	0.38	6	9	14	28	38	32	16	14
84	+2000	0.40	6	9	16	35	45	41	20	16
	+1000	0.10	6	10	17	36	46	41	20	15
	0	0	6	10	18	37	47	41	19	15
	-1000	0.10	7	10	18	38	48	41	19	15
	-2000	0.40	7	12	20	40	51	41	19	15
120	+2000	0.45	8	13	23	51	55	55	28	19
	+1000	0.11	9	13	24	53	55	55	28	19
	0	0	9	14	26	54	55	55	27	18
	-1000	0.11	10	15	27	55	55	55	27	18
	-2000	0.45	11	16	30	55	55	55	27	18

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2000	57	42	43	45	46	47	44	37
	+1000	41	20	25	33	33	29	21	13
	-1000	36	29	32	37	35	34	25	18
	-2000	50	41	43	44	45	49	47	39

Generated Noise Corrections (dB)

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Weights (lbs.)

Length (in.)	Width (in.)	12						24						36						48					
	Height (in.)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
36		33	40	48	55	62	69	48	57	66	76	85	94	63	74	85	97	108	119	78	91	104	118	131	144
60		52	64	75	86	97	108	74	88	102	115	129	142	96	112	128	144	160	176	118	137	155	174	192	211
84		71	87	102	117	132	147	100	119	137	155	173	191	129	150	171	192	213	234	158	182	206	230	253	277
120		100	122	143	164	185	206	140	165	189	214	238	263	179	207	235	264	292	320	218	250	282	314	345	377

Performance Notes:

1. Data derived in strict accordance with ASTM E477.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if attenuation above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.

© Copyright Price Industries Limited 2014.
© Copyright Price Industries Limited 2014.

Performance Data - Model M

Price Legacy Model M silencers are suitable for moderate velocity applications and provide improved broadband attenuation.

Example: 24 Width x 36 Height M / 60 Length

Dynamic Insertion Loss (DIL)

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36	+1500	0.56	5	8	16	27	34	33	23	18
	+750	0.14	5	9	17	28	35	33	23	17
	0	0	5	9	17	28	36	33	23	17
	-750	0.14	5	10	19	29	37	33	23	17
	-1500	0.56	6	11	21	31	39	33	23	16
60	+1500	0.59	7	12	22	38	48	48	32	21
	+750	0.15	7	13	23	39	49	48	32	21
	0	0	7	13	24	40	50	48	31	20
	-750	0.15	8	14	26	41	52	48	31	20
	-1500	0.59	9	16	29	44	55	48	31	19
84	+1500	0.65	8	16	30	45	50	51	45	29
	+750	0.16	9	17	32	46	51	51	45	28
	0	0	9	18	33	48	53	51	44	27
	-750	0.16	10	20	35	49	55	51	44	26
	-1500	0.65	11	22	40	52	55	51	43	25
120	+1500	0.74	11	24	39	55	55	55	50	33
	+750	0.18	12	25	42	55	55	55	49	32
	0	0	12	26	44	55	55	55	48	30
	-750	0.18	13	28	47	55	55	55	48	29
	-1500	0.74	15	31	53	55	55	55	47	28

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1500	61	47	46	48	49	50	49	42
	+750	44	24	29	35	35	33	25	18
	-750	39	31	34	38	37	37	30	23
	-1500	53	44	45	46	47	51	51	44

Generated Noise Corrections (dB)

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Weights (lbs.)

Length (in.)	Width (in.)	12						24						36						48					
	Height (in.)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
36		34	42	49	57	64	72	50	60	70	80	90	99	66	78	90	103	115	127	82	97	111	126	140	155
60		53	65	77	89	100	112	77	91	106	120	135	149	100	118	135	152	170	187	123	144	164	184	204	225
84		73	89	105	120	136	152	104	123	142	161	180	199	134	157	179	202	225	247	165	191	217	243	269	295
120		103	125	146	168	190	212	144	170	196	222	248	274	185	216	246	277	307	337	227	262	296	331	365	400

Performance Notes:

1. Data derived in strict accordance with ASTM E477.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if attenuation above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.

© Copyright Price Industries Limited 2014.

Performance Data - Model H

Price Legacy Model H silencers are suitable for low velocity applications and provide superior broadband attenuation.

Example: 24 Width x 36 Height H / 60 Length

Dynamic Insertion Loss (DIL)

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36	+1000	0.38	5	10	17	31	37	34	26	19
	+500	0.09	6	10	18	31	38	34	26	18
	0	0	6	11	19	32	39	34	25	18
	-500	0.09	6	11	20	33	40	34	25	18
	-1000	0.38	7	12	22	34	42	34	25	17
60	+1000	0.41	7	14	25	41	50	49	38	24
	+500	0.10	7	14	27	42	51	49	37	24
	0	0	8	15	28	43	52	49	37	23
	-500	0.10	8	16	29	44	53	49	37	22
	-1000	0.41	9	17	32	46	55	49	36	22
84	+1000	0.44	10	18	31	47	51	52	44	30
	+500	0.11	10	19	32	48	53	52	44	29
	0	0	11	20	34	49	54	52	43	29
	-500	0.11	11	20	35	51	55	52	43	28
	-1000	0.44	12	22	39	53	55	52	43	27
120	+1000	0.50	14	24	40	55	55	55	53	41
	+500	0.13	14	25	42	55	55	55	52	40
	0	0	15	26	44	55	55	55	52	39
	-500	0.13	16	27	46	55	55	55	52	39
	-1000	0.50	17	30	50	55	55	55	51	38

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1000	55	39	40	43	44	44	41	34
	+500	38	20	23	31	31	26	17	10
	-500	34	27	31	36	34	32	22	15
	-1000	48	39	41	43	44	46	44	36

Generated Noise Corrections (dB)

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Weights (lbs.)

Length (in.)	Width (in.)	12						24						36						48					
	Height (in.)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
36		35	43	51	59	67	74	52	63	73	84	94	105	69	82	95	109	122	135	86	102	118	134	149	165
60		55	67	79	91	103	115	79	95	110	126	141	156	104	123	142	160	179	198	129	151	173	195	217	239
84		75	91	107	124	140	156	107	127	148	168	188	208	139	164	188	212	236	260	171	200	228	256	284	312
120		105	128	150	172	195	217	148	176	203	231	258	286	192	225	257	289	322	354	235	273	311	348	385	423

Performance Notes:

1. Data derived in strict accordance with ASTM E477.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if attenuation above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.

© Copyright Price Industries Limited 2014.
© Copyright Price Industries Limited 2014.

Performance Data - Model LL

Price Legacy Model LL silencers provide low frequency attenuation and are suitable for many high velocity applications.

Example: 24 Width x 36 Height LL / 60 Length

Dynamic Insertion Loss (DIL)

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36	+2000	0.39	4	6	12	16	16	11	10	9
	+1000	0.10	4	6	13	17	17	11	10	9
	0	0	4	6	13	17	17	11	9	9
	-1000	0.10	5	7	14	18	18	11	9	9
	-2000	0.39	5	8	16	19	19	11	9	9
60	+2000	0.41	6	8	16	24	23	15	12	10
	+1000	0.10	6	9	17	25	24	15	12	10
	0	0	6	9	18	26	24	15	12	10
	-1000	0.10	7	10	20	27	25	15	12	10
	-2000	0.41	7	11	22	28	27	15	12	10
84	+2000	0.42	7	11	23	34	31	19	14	13
	+1000	0.11	7	12	24	35	32	19	14	13
	0	0	8	12	25	36	32	19	14	12
	-1000	0.11	8	13	27	38	33	19	14	12
	-2000	0.42	9	15	30	40	35	19	14	12
120	+2000	0.45	9	16	31	45	43	25	19	14
	+1000	0.11	10	17	33	46	44	25	19	14
	0	0	10	17	34	47	45	25	18	13
	-1000	0.11	11	19	37	49	47	25	18	13
	-2000	0.45	12	21	41	52	50	25	18	13

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2000	61	47	46	48	49	50	49	42
	+1000	44	24	29	35	35	33	25	18
	-1000	39	31	34	38	37	37	30	23
	-2000	53	44	45	46	47	51	51	44

Generated Noise Corrections (dB)

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Weights (lbs.)

Length (in.)	Width (in.)	12						24						36						48					
	Height (in.)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
36		32	39	46	52	59	66	45	54	63	71	80	88	58	68	78	87	97	107	73	85	97	108	120	132
60		51	62	73	84	94	105	72	85	98	111	123	136	91	106	121	135	150	164	113	130	147	164	181	199
84		70	85	100	115	129	144	98	115	133	150	167	185	124	144	163	183	202	222	153	176	198	220	243	265
120		99	120	141	162	182	203	137	161	185	209	233	257	174	201	228	254	281	308	213	244	274	304	335	365

Performance Notes:

1. Data derived in strict accordance with ASTM E477.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if attenuation above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.

© Copyright Price Industries Limited 2014.

Performance Data - Model LM

Price Legacy Model LM silencers have improved low frequency attenuation and are suitable for moderate velocity applications.

Example: 24 Width x 36 Height LM / 60 Length

Dynamic Insertion Loss (DIL)

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36	+1500	0.45	5	8	14	23	20	17	14	11
	+750	0.11	5	9	15	24	21	17	14	11
	0	0	5	9	16	24	22	17	14	11
	-750	0.11	6	10	17	25	22	17	14	11
	-1500	0.45	6	11	19	27	24	17	14	11
60	+1500	0.52	7	12	21	33	31	21	16	13
	+750	0.13	7	13	22	34	32	21	16	13
	0	0	7	13	23	36	32	21	15	12
	-750	0.13	8	14	25	37	33	21	15	12
	-1500	0.52	9	16	28	39	35	21	15	12
84	+1500	0.55	9	16	29	40	38	26	18	14
	+750	0.14	10	17	31	41	39	26	18	14
	0	0	10	17	32	43	40	26	18	14
	-750	0.14	11	19	34	44	42	26	18	14
	-1500	0.55	12	21	38	46	44	26	18	13
120	+1500	0.61	14	22	40	51	50	34	22	17
	+750	0.15	15	23	43	53	52	34	22	17
	0	0	15	24	45	54	53	34	21	16
	-750	0.15	16	26	48	55	55	34	21	16
	-1500	0.61	18	29	54	55	55	34	21	16

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1500	61	47	46	48	49	50	49	42
	+750	44	24	29	35	35	33	25	18
	-750	39	31	34	38	37	37	30	23
	-1500	53	44	45	46	47	51	51	44

Generated Noise Corrections (dB)

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Weights (lbs.)

Length (in.)	Width (in.)	12						24						36						48					
	Height (in.)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
36		33	40	47	54	62	69	47	57	66	75	84	93	61	72	83	93	104	115	77	90	103	116	130	143
60		52	64	75	86	97	109	74	88	102	116	130	143	95	111	127	143	159	175	118	137	156	175	194	213
84		72	88	103	118	133	149	101	120	138	157	175	193	129	151	172	193	214	235	160	185	209	234	258	283
120		101	123	144	166	187	209	142	167	192	218	243	268	181	210	239	267	296	325	222	255	288	322	355	388

Performance Notes:

1. Data derived in strict accordance with ASTM E477.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if attenuation above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.

© Copyright Price Industries Limited 2014.
© Copyright Price Industries Limited 2014.

Performance Data - Model LH

Price Legacy Model LH silencers have superior low frequency attenuation and are suitable for low velocity applications.

Example: 24 Width x 36 Height LH / 60 Length

Dynamic Insertion Loss (DIL)

Length in.	Face Velocity fpm	Pressure Drop in. w.g.	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36	+1000	0.57	6	10	18	26	27	22	19	14
	+500	0.14	6	11	20	27	28	22	19	14
	0	0	6	11	21	27	29	22	18	13
	-500	0.14	7	12	22	28	30	22	18	13
	-1000	0.57	8	14	25	30	31	22	18	13
60	+1000	0.62	12	16	29	36	43	38	23	16
	+500	0.15	13	17	31	37	44	38	22	16
	0	0	13	18	32	38	45	38	22	15
	-500	0.15	14	20	34	40	47	38	22	15
	-1000	0.62	16	22	39	42	50	38	22	14
84	+1000	0.67	13	22	36	44	48	46	27	19
	+500	0.17	14	23	38	46	49	46	27	18
	0	0	15	24	40	47	50	46	26	18
	-500	0.17	16	26	43	48	52	46	26	17
	-1000	0.67	17	29	48	51	55	46	26	17
120	+1000	0.74	19	31	49	55	55	55	33	23
	+500	0.19	20	33	52	55	55	55	33	22
	0	0	21	34	55	55	55	55	32	21
	-500	0.19	23	37	55	55	55	55	32	21
	-1000	0.74	25	41	55	55	55	55	32	20

Generated Noise (dB)

Length	Face Velocity fpm	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1000	61	47	46	48	49	50	49	42
	+500	44	24	29	35	35	33	25	18
	-500	39	31	34	38	37	37	30	23
	-1000	53	44	45	46	47	51	51	44

Generated Noise Corrections (dB)

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition (+) or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

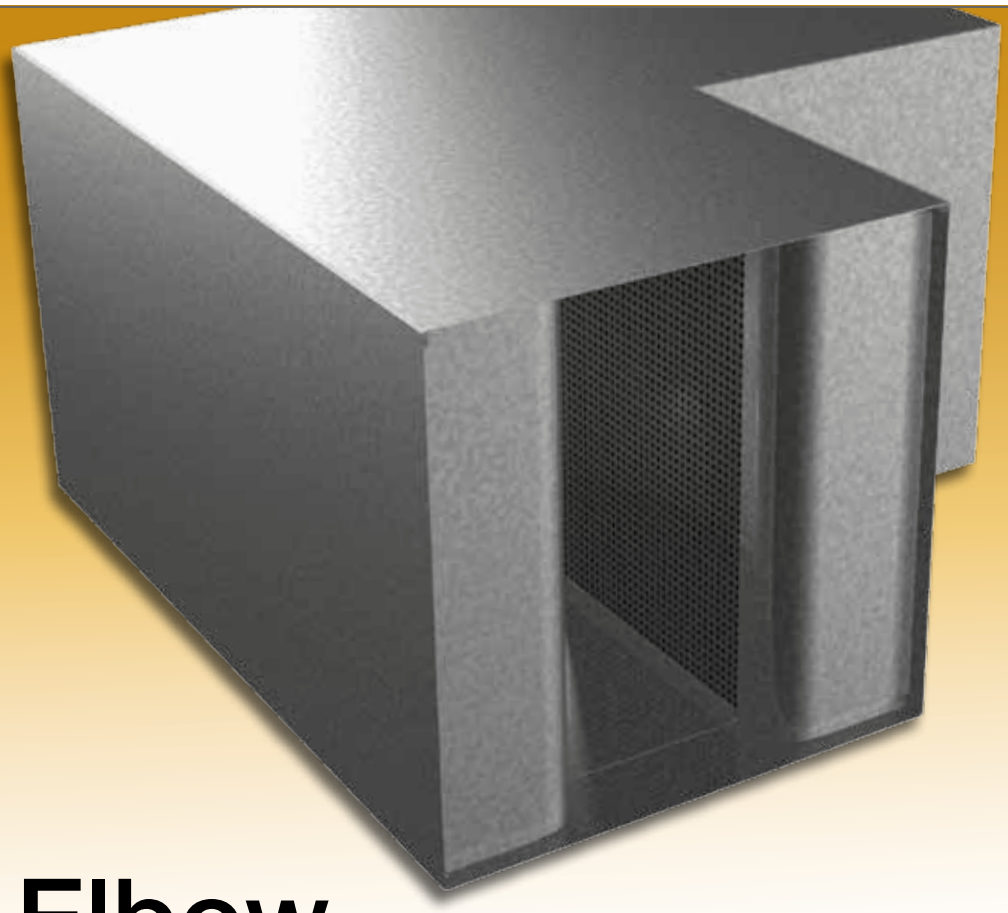
Weights (lbs.)

Length (in.)	Width (in.)	12						24						36						48					
	Height (in.)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
36		34	41	49	56	64	71	49	60	69	79	89	99	64	76	88	99	111	123	81	96	110	124	139	153
60		54	66	77	89	101	112	77	92	107	121	136	150	99	117	134	151	168	185	124	145	165	186	206	227
84		74	90	106	121	137	153	105	124	144	163	183	202	134	157	180	203	225	248	166	194	220	247	274	300
120		104	126	148	170	192	214	146	173	200	226	253	280	187	218	249	280	311	342	231	267	303	339	375	411

Performance Notes:

1. Data derived in strict accordance with ASTM E477.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if attenuation above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.

© Copyright Price Industries Limited 2014.

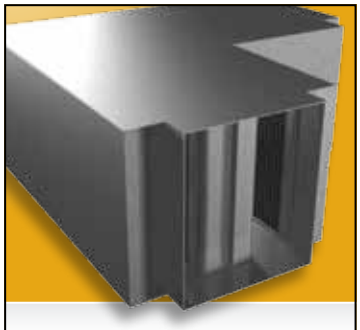


Elbow

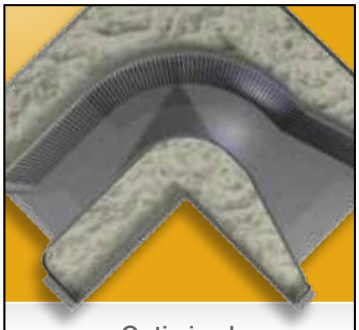
ABSORPTIVE SILENCERS

Developed using computational fluid dynamics and verified through testing, Price Elbow Silencers solve the common problem of limited space while providing improved mid-frequency insertion loss. Variable internal geometries provide reliable tested pressure drop performance and maximum static regain.

The industry's first optimized internal geometry for providing the highest level of performance in short runs of duct.

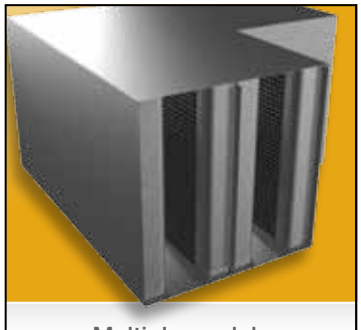


Extended casing option



Optimized turning radius

Ideal for typical HVAC noise control



Multiple module silencer configurations

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Product Information

Models

Elbow Silencers

Elbow Medium Velocity **ERM**

Price Absorptive Elbow Silencers are designed to provide a solution to undesirable noise in short runs of ductwork, with the additional benefit of improved mid frequency insertion loss, which is provided by the 90° bend. The smooth radius of the internal geometry of these silencers allows low to medium velocity air to flow through with minimal system pressure drop. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Improved mid frequency insertion loss.
- Optimized inlet radius to minimize turbulent flow and reduce pressure drop.
- Engineered internal geometries that maximize static regain.
- Highest quality welded construction with mechanical fasteners used only where absolutely necessary. Screws are never used.
- 2 in. slip connection on both ends.

ERM Silencers

Price ERM absorptive silencers are designed for a large range of velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop.This configuration is best suited for applications with duct velocities of 2500 fpm or less.

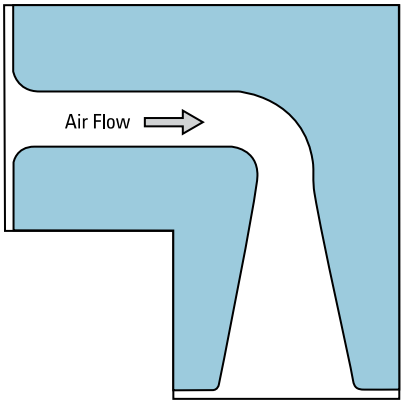
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity range:

Model	Description	Air Velocity Range (fpm)
ERM	Medium Velocity Silencer	0-2500*

* Price ERM silencers are designed for a large range of velocities.

ERM - Rectangular Medium Velocity



ERM60/6B

- Air Velocity: M - Medium Velocity
- Performance Length: Range from 36" - 144"
- Module Factor:
  1 - 12" - 13.99"
  2 - 14" - 16.99"
  3 - 17" - 18.99"
  4 - 19" - 20.99"
  5 - 21" - 22.99"
  6 - 23" - 24.99"
  7 - 25" - 26.99"
  8 - 27" - 28.99"
  9 - 29" - 30.99"
  U - 31" - 32.99"
  V - 33" - 34.99"
  W - 35" - 38.99"
  X - 39" - 42.99"
  Y - 43" - 46.99"
  Z - 47" - 50"
- P.A. Code: Range From A - F

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price absorptive elbow silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Components

Elbow silencers that exceed a width of 59 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensions

Price absorptive elbow silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

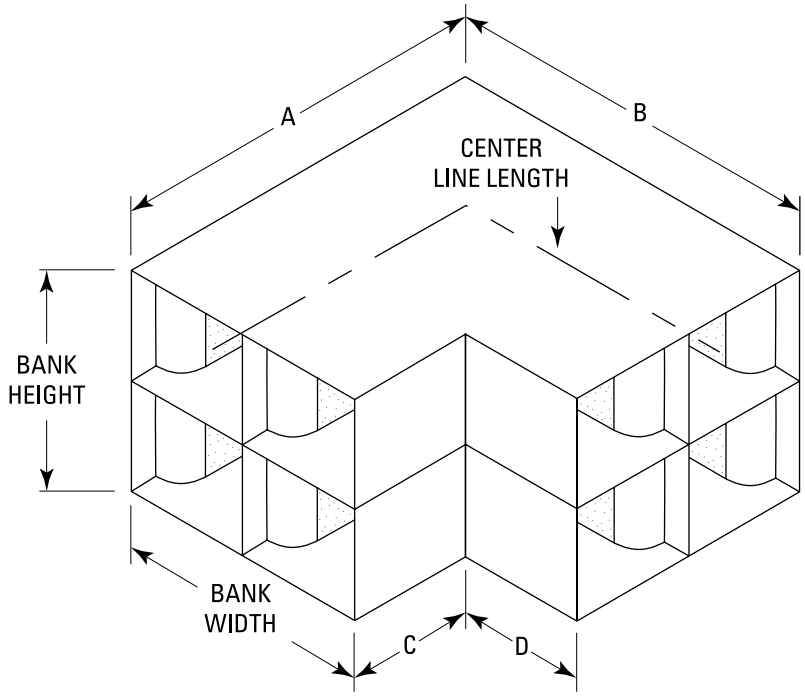
- Paint
- Fiberglass Cloth
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
HTL1**	16	28	29	31	33	36	39	42	42
HTL2**	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Duct Width		Duct Height		Center Line Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	76	6	120	36	144	6	59	6	48

Leg A		Leg B		Leg C		Leg D	
Min	Max	Min	Max	Min	Max	Min	Max
12	132	18	138	6	126	12	132

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	6	12-13	24-26	6 - 120	36 - 144
Metric	150	300-325	600-650	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.27 (68)	5	5	17	19	29	29	24	20
	+1250 (+6.35)	0.14 (35)	6	4	17	20	29	28	24	20
	+750 (+3.81)	0.05 (13)	5	6	16	20	29	29	23	20
	+375 (+1.91)	0.01 (3)	5	5	17	21	30	29	23	20
36 (900)	0 (0)	0.00 (0)	4	8	17	20	30	29	24	21
	-375 (-1.91)	0.01 (3)	6	9	18	20	30	29	24	21
	-750 (-3.81)	0.05 (13)	6	8	19	20	31	29	24	20
	-1250 (-6.35)	0.14 (35)	5	8	19	21	31	29	24	19
	-1750 (-8.89)	0.27 (68)	4	10	20	22	33	31	23	19
	+1750 (+8.89)	0.31 (78)	6	7	20	28	36	36	31	25
	+1250 (+6.35)	0.16 (40)	7	7	21	29	37	36	31	25
	+750 (+3.81)	0.06 (14)	7	8	21	29	37	37	31	25
	+375 (+1.91)	0.01 (4)	7	8	21	30	37	37	31	24
60 (1500)	0 (0)	0 (0)	6	10	22	29	38	37	31	25
	-375 (-1.91)	0.01 (4)	7	11	22	30	38	37	31	25
	-750 (-3.81)	0.06 (14)	7	10	23	30	38	37	31	24
	-1250 (-6.35)	0.16 (40)	7	11	23	31	39	37	31	24
	-1750 (-8.89)	0.31 (78)	7	12	24	31	39	37	30	24
	+1750 (+8.89)	0.35 (88)	7	10	24	37	44	44	39	31
	+1250 (+6.35)	0.18 (45)	8	11	25	37	45	45	39	31
	+750 (+3.81)	0.06 (16)	8	11	25	38	45	45	38	30
	+375 (+1.91)	0.02 (4)	8	11	26	38	45	45	38	29
84 (2100)	0 (0)	0.00 (0)	9	12	26	39	45	45	38	29
	-375 (-1.91)	0.02 (4)	9	13	26	40	46	45	38	29
	-750 (-3.81)	0.06 (16)	9	13	27	40	46	45	38	29
	-1250 (-6.35)	0.18 (45)	9	15	28	40	46	45	38	28
	-1750 (-8.89)	0.35 (88)	9	14	28	39	45	43	37	28
	+1750 (+8.89)	0.39 (97)	9	12	28	45	52	51	47	37
	+1250 (+6.35)	0.20 (50)	9	14	29	46	52	53	46	36
	+750 (+3.81)	0.07 (18)	10	13	30	47	52	53	46	35
	+375 (+1.91)	0.02 (4)	10	14	30	47	52	53	45	34
108 (2700)	0 (0)	0 (0)	11	14	31	48	52	53	45	33
	-375 (-1.91)	0.02 (4)	10	15	31	49	54	54	45	34
	-750 (-3.81)	0.07 (18)	10	16	32	49	53	53	45	33
	-1250 (-6.35)	0.20 (50)	11	18	33	50	53	54	45	32
	-1750 (-8.89)	0.39 (97)	11	17	33	48	51	49	44	33

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.05 (13)	0.14 (35)	0.27 (68)
60 (1500)	0.01 (4)	0.06 (14)	0.16 (40)	0.31 (78)
84 (2100)	0.02 (4)	0.06 (16)	0.18 (45)	0.35 (88)
108 (2700)	0.02 (4)	0.07 (18)	0.2 (50)	0.39 (97)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	57	52	46	46	45	41	44	37
	+1250 (+6.35)	44	43	36	38	38	31	34	25
	+750 (+3.81)	25	29	21	26	26	16	17	10
All Lengths	+375 (+1.91)	25	20	15	15	11	10	10	10
	-375 (-1.91)	25	20	15	15	13	10	10	10
	-750 (-3.81)	36	31	23	15	27	24	19	10
	-1250 (-6.35)	49	42	36	23	37	36	35	26
	-1750 (-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	6	12-13	24-26	6 - 120	36 - 144
Metric	150	300-325	600-650	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.80 (198)	4	6	19	24	39	39	31	24
	+1250 (+6.35)	0.38 (94)	4	7	20	26	41	38	29	24
	+750 (+3.81)	0.14 (36)	4	7	20	26	41	37	29	24
	+375 (+1.91)	0.04 (11)	4	7	20	27	40	37	29	24
36 (900)	0 (0)	0.00 (0)	3	7	21	27	41	38	29	26
	-375 (-1.91)	0.04 (11)	3	8	21	28	42	39	30	24
	-750 (-3.81)	0.14 (36)	4	9	21	29	42	39	29	23
	-1250 (-6.35)	0.38 (94)	3	8	22	29	43	40	28	23
	-1750 (-8.89)	0.80 (198)	5	11	23	30	44	43	30	23
	+1750 (+8.89)	0.84 (209)	5	9	24	32	43	42	36	30
	+1250 (+6.35)	0.40 (100)	6	10	25	33	44	42	36	29
	+750 (+3.81)	0.15 (38)	6	10	25	34	44	43	36	29
	+375 (+1.91)	0.04 (11)	6	10	26	35	45	43	36	28
60 (1500)	0 (0)	0 (0)	6	11	26	35	45	43	37	30
	-375 (-1.91)	0.04 (11)	6	12	27	36	46	43	37	29
	-750 (-3.81)	0.15 (38)	6	13	28	36	46	43	36	27
	-1250 (-6.35)	0.40 (100)	6	13	29	37	46	43	35	27
	-1750 (-8.89)	0.84 (209)	7	15	30	37	47	44	35	27
	+1750 (+8.89)	0.89 (220)	7	12	29	40	47	45	42	35
	+1250 (+6.35)	0.42 (106)	8	13	30	40	47	47	44	35
	+750 (+3.81)	0.16 (40)	8	12	31	42	48	48	44	33
	+375 (+1.91)	0.04 (11)	8	12	32	42	49	48	43	33
84 (2100)	0 (0)	0.00 (0)	9	14	32	43	49	48	44	33
	-375 (-1.91)	0.04 (11)	9	16	33	43	49	48	44	33
	-750 (-3.81)	0.16 (40)	9	17	35	43	49	48	43	32
	-1250 (-6.35)	0.42 (106)	10	17	36	44	49	47	42	32
	-1750 (-8.89)	0.89 (220)	10	19	38	44	50	44	39	31
	+1750 (+8.89)	0.93 (232)	8	15	34	48	51	48	48	41
	+1250 (+6.35)	0.45 (111)	10	15	34	48	51	51	51	40
	+750 (+3.81)	0.17 (42)	11	15	36	50	52	53	51	38
	+375 (+1.91)	0.05 (11)	11	15	37	50	53	53	51	37
108 (2700)	0 (0)	0 (0)	12	18	38	51	52	53	51	37
	-375 (-1.91)	0.05 (11)	12	20	39	51	52	53	51	38
	-750 (-3.81)	0.17 (42)	12	21	41	51	52	53	50	37
	-1250 (-6.35)	0.45 (111)	13	21	43	51	52	50	49	36
	-1750 (-8.89)	0.93 (232)	12	23	45	51	53	45	44	35

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (11)	0.14 (36)	0.38 (94)	0.41 (102)
60 (1500)	0.04 (11)	0.15 (38)	0.40 (100)	0.84 (209)
84 (2100)	0.04 (11)	0.16 (40)	0.42 (106)	0.89 (220)
108 (2700)	0.05 (11)	0.17 (42)	0.45 (111)	0.93 (232)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	68	60	55	53	51	49	54	48
	+1250 (+6.35)	55	51	45	45	44	40	43	35
	+750 (+3.81)	35	37	30	33	33	25	27	17
All Lengths	+375 (+1.91)	25	20	15	17	18	10	10	10
	-375 (-1.91)	26	22	15	15	19	14	10	10
	-750 (-3.81)	43	37	30	15	33	31	28	19
	-1250 (-6.35)	56	48	44	34	43	43	44	36
	-1750 (-8.89)	64	56	52	46	50	51	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Performance Data - Model ERM/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	6	12-13	24-26	6 - 120	36 - 144
Metric	150	300-325	600-650	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	1.18 (295)	3	10	21	29	41	44	34	28
	+1250 (+6.35)	0.60 (150)	3	12	22	30	45	46	33	27
	+750 (+3.81)	0.22 (54)	3	12	23	33	46	43	32	27
	+375 (+1.91)	0.05 (14)	4	13	23	34	46	43	31	27
36 (900)	0 (0)	0.00 (0)	4	14	25	37	46	44	32	27
	-375 (-1.91)	0.05 (14)	4	14	26	38	46	45	31	26
	-750 (-3.81)	0.22 (54)	4	15	26	38	46	45	30	25
	-1250 (-6.35)	0.60 (150)	6	15	26	39	46	46	35	24
	-1750 (-8.89)	1.18 (295)	10	17	28	40	47	45	35	23
	+1750 (+8.89)	1.24 (308)	6	12	28	35	44	45	37	34
	+1250 (+6.35)	0.63 (157)	6	14	30	37	47	48	40	34
	+750 (+3.81)	0.23 (57)	7	14	31	39	48	47	40	33
	+375 (+1.91)	0.06 (14)	7	15	31	40	48	47	39	33
60 (1500)	0 (0)	0 (0)	8	17	33	41	47	48	40	33
	-375 (-1.91)	0.06 (14)	9	17	33	42	48	48	39	32
	-750 (-3.81)	0.23 (57)	9	18	34	42	48	48	38	31
	-1250 (-6.35)	0.63 (157)	11	19	35	43	48	46	38	29
	-1750 (-8.89)	1.24 (308)	13	21	36	44	48	45	35	28
	+1750 (+8.89)	1.29 (321)	9	14	35	42	47	46	40	40
	+1250 (+6.35)	0.66 (164)	9	15	37	44	49	50	46	40
	+750 (+3.81)	0.24 (59)	10	16	38	45	49	51	48	40
	+375 (+1.91)	0.06 (15)	11	16	39	45	49	51	48	39
84 (2100)	0 (0)	0.00 (0)	12	19	40	46	49	51	48	39
	-375 (-1.91)	0.06 (15)	13	20	41	46	49	51	48	39
	-750 (-3.81)	0.24 (59)	14	21	42	46	49	50	47	37
	-1250 (-6.35)	0.66 (164)	15	23	44	47	50	45	40	35
	-1750 (-8.89)	1.29 (321)	16	25	44	47	50	45	35	33
	+1750 (+8.89)	1.35 (335)	12	16	43	49	50	47	42	46
	+1250 (+6.35)	0.69 (171)	12	16	45	51	51	52	53	47
	+750 (+3.81)	0.25 (61)	13	18	46	50	51	55	55	46
	+375 (+1.91)	0.06 (15)	15	18	47	51	51	55	55	45
108 (2700)	0 (0)	0 (0)	16	22	47	50	51	54	55	45
	-375 (-1.91)	0.06 (15)	17	23	49	50	51	54	55	45
	-750 (-3.81)	0.25 (61)	19	24	50	50	51	53	55	44
	-1250 (-6.35)	0.69 (171)	19	27	52	51	51	45	42	41
	-1750 (-8.89)	1.35 (335)	19	29	52	51	51	45	35	38

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (14)	0.22 (54)	0.6 (150)	1.18 (295)
60 (1500)	0.06 (14)	0.23 (57)	0.63 (157)	1.24 (308)
84 (2100)	0.06 (15)	0.24 (59)	0.66 (164)	1.29 (321)
108 (2700)	0.06 (15)	0.25 (61)	0.69 (171)	1.35 (335)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	83	71	67	62	60	61	66	62
	+1250 (+6.35)	70	62	57	54	53	51	56	50
	+750 (+3.81)	51	48	42	42	42	37	40	32
All Lengths	+375 (+1.91)	25	29	21	26	26	16	17	10
	-375 (-1.91)	36	31	23	15	27	24	19	10
	-750 (-3.81)	53	46	41	30	41	41	41	32
	-1250 (-6.35)	65	57	54	48	52	53	57	50
	-1750 (-8.89)	74	65	63	60	58	61	67	61

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	12	23-24	46-48	6 - 120	36 - 144
Metric	300	575-600	1150-1200	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.19 (48)	5	7	10	17	23	21	18	14
	+1250 (+6.35)	0.10 (24)	6	6	10	17	23	21	18	14
	+750 (+3.81)	0.04 (9)	7	5	11	17	23	21	18	15
	+375 (+1.91)	0.01 (2)	7	6	11	18	23	21	18	15
48 (1200)	0 (0)	0.00 (0)	6	9	11	17	23	20	18	15
	-375 (-1.91)	0.01 (2)	7	8	11	18	23	20	18	15
	-750 (-3.81)	0.04 (9)	7	9	11	18	23	20	18	15
	-1250 (-6.35)	0.10 (24)	6	9	12	18	23	21	18	15
	-1750 (-8.89)	0.19 (48)	6	11	12	19	23	21	19	15
	+1750 (+8.89)	0.20 (50)	6	8	12	22	27	25	21	17
	+1250 (+6.35)	0.10 (25)	6	7	13	22	27	25	21	17
	+750 (+3.81)	0.04 (9)	7	6	13	22	27	25	21	17
	+375 (+1.91)	0.01 (2)	7	7	14	23	27	25	21	17
60 (1500)	0 (0)	0 (0)	7	10	14	23	27	24	21	17
	-375 (-1.91)	0.01 (2)	7	9	14	23	27	24	21	17
	-750 (-3.81)	0.04 (9)	7	10	14	23	27	24	21	17
	-1250 (-6.35)	0.10 (25)	7	11	15	23	27	24	21	17
	-1750 (-8.89)	0.20 (50)	7	11	15	24	27	25	21	17
	+1750 (+8.89)	0.22 (54)	8	9	18	31	35	32	27	22
	+1250 (+6.35)	0.11 (28)	8	9	19	32	35	32	27	22
	+750 (+3.81)	0.04 (10)	8	9	19	32	35	32	27	22
	+375 (+1.91)	0.01 (2	8	9	19	33	35	32	27	22
84 (2100)	0 (0)	0.00 (0)	8	11	20	33	35	32	27	22
	-375 (-1.91)	0.01 (2)	8	12	20	33	35	31	27	22
	-750 (-3.81)	0.04 (10)	8	13	20	34	35	32	26	22
	-1250 (-6.35)	0.11 (28)	8	13	21	34	35	31	26	21
	-1750 (-8.89)	0.22 (54)	8	13	21	34	35	31	26	21
	+1750 (+8.89)	0.24 (59)	10	10	24	40	42	39	33	27
	+1250 (+6.35)	0.12 (30)	10	11	24	41	42	39	33	27
	+750 (+3.81)	0.04 (11)	10	11	25	42	42	39	33	27
	+375 (+1.91)	0.01 (4)	9	12	25	42	42	39	33	27
108 (2700)	0 (0)	0 (0)	9	12	26	43	43	39	32	26
	-375 (-1.91)	0.01 (4)	9	14	26	43	43	39	33	27
	-750 (-3.81)	0.04 (11)	9	15	26	44	43	39	32	26
	-1250 (-6.35)	0.12 (30)	9	16	27	44	43	39	31	24
	-1750 (-8.89)	0.24 (59)	9	15	27	44	44	38	30	24

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.01 (2)	0.04 (9)	0.10 (24)	0.19 (48)
60 (1500)	0.01 (2)	0.04 (9)	0.10 (25)	0.20 (50)
84 (2100)	0.01 (2)	0.04 (10)	0.11 (28)	0.22 (54)
108 (2700)	0.01 (3)	0.04 (11)	0.12 (30)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	57	52	46	46	45	41	44	37
	+1250 (+6.35)	44	43	36	38	38	31	34	25
	+750 (+3.81)	25	29	21	26	26	16	17	10
All Lengths	+375 (+1.91)	25	20	15	15	11	10	10	10
	-375 (-1.91)	25	20	15	15	13	10	10	10
	-750 (-3.81)	36	31	23	15	27	24	19	10
	-1250 (-6.35)	49	42	36	23	37	36	35	26
	-1750 (-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	12	23-24	46-48	6 - 120	36 - 144
Metric	300	575-600	1150-1200	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.62 (154)	4	9	13	21	30	25	24	19
	+1250 (+6.35)	0.32 (79)	4	8	13	21	29	24	23	18
	+750 (+3.81)	0.11 (28)	4	9	14	22	29	25	24	19
	+375 (+1.91)	0.03 (7)	5	10	14	22	29	25	24	19
48 (1200)	0 (0)	0.00 (0)	5	10	14	22	30	24	24	19
	-375 (-1.91)	0.03 (7)	6	10	14	22	30	24	24	19
	-750 (-3.81)	0.11 (28)	7	11	15	22	30	24	24	20
	-1250 (-6.35)	0.32 (79)	7	11	15	22	30	26	25	20
	-1750 (-8.89)	0.62 (154)	7	11	16	23	30	26	25	20
	+1750 (+8.89)	0.59 (148)	5	11	16	25	34	29	26	21
	+1250 (+6.35)	0.30 (75)	5	10	17	25	33	28	26	21
	+750 (+3.81)	0.11 (27)	5	11	17	26	34	29	26	21
	+375 (+1.91)	0.03 (7)	6	11	18	27	34	28	26	21
60 (1500)	0 (0)	0.00 (0)	6	12	18	27	34	28	26	21
	-375 (-1.91)	0.03 (7)	7	12	18	27	34	28	26	21
	-750 (-3.81)	0.11 (27)	8	13	19	27	34	28	26	21
	-1250 (-6.35)	0.30 (75)	8	13	19	27	34	29	26	21
	-1750 (-8.89)	0.59 (148)	8	14	20	28	34	29	26	21
	+1750 (+8.89)	0.54 (135)	7	13	23	34	42	36	31	26
	+1250 (+6.35)	0.28 (69)	7	13	23	34	42	36	31	26
	+750 (+3.81)	0.10 (25)	7	14	24	36	42	36	30	25
	+375 (+1.91)	0.02 (6)	8	14	25	36	42	36	30	25
84 (2100)	0 (0)	0.00 (0)	9	16	25	37	43	36	30	25
	-375 (-1.91)	0.02 (6)	10	16	26	37	43	35	30	24
	-750 (-3.81)	0.10 (25)	10	17	27	37	43	35	29	23
	-1250 (-6.35)	0.28 (69)	10	18	27	38	43	35	29	23
	-1750 (-8.89)	0.54 (135)	11	19	28	38	42	35	29	23
	+1750 (+8.89)	0.49 (122)	9	16	29	42	51	44	36	31
	+1250 (+6.35)	0.25 (62)	10	17	30	43	51	44	36	30
	+750 (+3.81)	0.09 (22)	10	17	32	45	51	44	35	30
	+375 (+1.91)	0.02 (6)	10	18	33	46	51	43	34	28
108 (2700)	0 (0)	0 (0)	11	19	33	46	51	43	34	28
	-375 (-1.91)	0.02 (6)	12	20	34	47	51	43	34	27
	-750 (-3.81)	0.09 (22)	12	21	34	48	51	42	33	26
	-1250 (-6.35)	0.25 (62)	12	22	35	48	51	41	32	25
	-1750 (-8.89)	0.49 (122)	13	24	36	48	50	41	32	26

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.03 (7)	0.11 (28)	0.32 (79)	0.62 (154)
60 (1500)	0.03 (7)	0.11 (27)	0.30 (75)	0.59 (148)
84 (2100)	0.02 (6)	0.10 (25)	0.28 (69)	0.54 (135)
108 (2700)	0.02 (6)	0.09 (22)	0.25 (62)	0.49 (122)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	68	60	55	53	51	49	54	48
	+1250 (+6.35)	55	51	45	45	44	40	43	35
	+750 (+3.81)	35	37	30	33	33	25	27	17
All Lengths	+375 (+1.91)	25	20	15	17	18	10	10	10
	-375 (-1.91)	26	22	15	15	19	14	10	10
	-750 (-3.81)	43	37	30	15	33	31	28	19
	-1250 (-6.35)	56	48	44	34	43	43	44	36
	-1750 (-8.89)	64	56	52	46	50	51	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	12	23-24	46-48	6 - 144	36 - 144
Metric	300	575-600	1150-1200	150 - 3600	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	1.51 (337)	6	10	14	25	35	34	27	23
	+1250 (+6.35)	0.77 (192)	7	11	15	26	35	31	27	23
	+750 (+3.81)	0.28 (69)	6	13	16	27	36	31	27	23
	+375 (+1.91)	0.07 (17)	8	13	17	28	37	30	27	23
48 (1200)	0 (0)	0.00 (0)	8	13	19	28	38	31	27	23
	-375 (-1.91)	0.07 (17)	8	14	20	29	38	30	25	22
	-750 (-3.81)	0.28 (69)	9	15	20	30	38	30	25	22
	-1250 (-6.35)	0.77 (192)	9	15	21	30	39	32	25	21
	-1750 (-8.89)	1.51 (337)	11	16	21	31	40	32	23	19
	+1750 (+8.89)	1.48 (367)	6	12	19	29	37	36	30	25
	+1250 (+6.35)	0.75 (187)	7	13	20	30	38	35	30	25
	+750 (+3.81)	0.27 (67)	8	14	21	31	40	35	30	25
	+375 (+1.91)	0.07 (17)	9	15	22	33	40	34	29	25
60 (1500)	0 (0)	0 (0)	9	16	23	33	41	34	29	24
	-375 (-1.91)	0.07 (17)	10	16	24	34	41	34	28	23
	-750 (-3.81)	0.27 (67)	11	17	25	34	41	34	28	23
	-1250 (-6.35)	0.75 (187)	11	17	26	35	42	34	27	22
	-1750 (-8.89)	1.48 (367)	13	19	26	36	42	34	25	21
	+1750 (+8.89)	1.40 (349)	8	15	27	38	43	41	34	30
	+1250 (+6.35)	0.71 (178)	9	17	28	40	46	42	36	30
	+750 (+3.81)	0.26 (64)	10	17	30	41	46	42	35	30
	+375 (+1.91)	0.06 (16)	11	17	31	42	46	42	35	29
84 (2100)	0 (0)	0.00 (0)	12	20	32	42	46	42	34	28
	-375 (-1.91)	0.06 (16)	13	21	33	44	47	41	33	27
	-750 (-3.81)	0.26 (64)	14	21	34	44	47	41	32	26
	-1250 (-6.35)	0.71 (178)	15	23	35	45	47	40	31	25
	-1750 (-8.89)	1.40 (349)	16	25	36	45	48	39	30	23
	+1750 (+8.89)	1.33 (330)	9	19	36	46	49	45	39	35
	+1250 (+6.35)	0.68 (168)	10	20	37	49	53	49	41	34
	+750 (+3.81)	0.24 (61)	12	20	39	51	52	50	41	34
	+375 (+1.91)	0.06 (15)	13	20	40	51	52	50	40	33
108 (1200)	0 (0)	0 (0)	14	25	41	52	51	49	39	31
	-375 (-1.91)	0.06 (15)	16	26	42	53	53	49	38	30
	-750 (-3.81)	0.24 (61)	17	26	43	53	52	48	37	29
	-1250 (-6.35)	0.68 (168)	19	29	45	54	53	46	35	28
	-1750 (-8.89)	1.33 (330)	20	30	46	55	53	45	34	26

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (17)	0.28 (69)	0.77 (192)	1.51 (377)
60 (1500)	0.07 (17)	0.27 (67)	0.75 (187)	1.48 (367)
84 (2100)	0.06 (16)	0.26 (64)	0.71 (178)	1.40 (349)
108 (2700)	0.06 (15)	0.24 (61)	0.68 (18)	1.33 (330)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	83	71	67	62	60	61	66	62
	+1250 (+6.35)	70	62	57	54	53	51	56	50
	+750 (+3.81)	51	48	42	42	42	37	40	32
All Lengths	+375 (+1.91)	25	29	21	26	26	16	17	10
	-375 (-1.91)	36	31	23	15	27	24	19	10
	-750 (-3.81)	53	46	41	30	41	41	41	32
	-1250 (-6.35)	65	57	54	48	52	53	57	50
	-1750 (-8.89)	74	65	63	60	58	61	67	61

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	6 - 120	48 - 144
Metric	450-475	875-950	1750-1900	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.21 (51)	7	9	9	19	14	13	11	11
	+1250 (+6.35)	0.13 (33)	5	9	10	19	15	13	11	11
	+750 (+3.81)	0.04 (9)	5	8	9	19	15	13	11	11
	+375 (+1.91)	0.01 (2)	4	10	9	19	15	13	10	10
48 (1200)	0 (0)	0.00 (0)	6	10	10	18	14	13	12	13
	-375 (-1.91)	0.01 (2)	6	11	10	18	14	14	12	12
	-750 (-3.81)	0.04 (9)	5	10	10	18	14	13	12	12
	-1250 (-6.35)	0.13 (33)	6	10	10	18	14	13	12	12
	-1750 (-8.89)	0.21 (51)	6	11	11	18	15	13	12	12
	+1750 (+8.89)	0.21 (53)	6	10	11	21	17	17	14	13
	+1250 (+6.35)	0.14 (34)	5	9	11	21	17	17	14	13
	+750 (+3.81)	0.04 (10)	5	9	11	21	18	17	13	13
	+375 (+1.91)	0.01 (2)	4	10	11	22	17	16	13	12
60 (1500)	0 (0)	0.00 (0)	6	10	11	21	17	16	14	14
	-375 (-1.91)	0.01 (2)	6	10	12	21	17	17	14	13
	-750 (-3.81)	0.04 (10)	6	10	12	21	17	16	14	13
	-1250 (-6.35)	0.14 (34)	7	10	12	21	17	16	14	13
	-1750 (-8.89)	0.21 (53)	7	11	12	21	18	16	14	13
	+1750 (+8.89)	0.22 (56)	6	10	14	26	23	24	19	16
	+1250 (+6.35)	0.14 (35)	5	9	14	26	23	24	19	16
	+750 (+3.81)	0.04 (10)	6	9	14	27	23	23	19	16
	+375 (+1.91)	0.01 (3)	5	10	14	27	23	23	19	16
84 (2100)	0 (0)	0.00 (0)	6	10	15	27	23	23	19	17
	-375 (-1.91)	0.01 (3)	7	10	15	28	23	23	18	16
	-750 (-3.81)	0.04 (10)	7	10	15	28	23	23	18	16
	-1250 (-6.35)	0.14 (35)	7	11	16	28	23	23	18	15
	-1750 (-8.89)	0.22 (56)	8	11	16	28	23	22	18	16
	+1750 (+8.89)	0.24 (59)	5	10	17	31	28	31	25	19
	+1250 (+6.35)	0.15 (37)	6	10	17	31	29	30	25	20
	+750 (+3.81)	0.04 (11)	6	10	17	32	29	30	24	19
	+375 (+1.91)	0.01 (3)	7	11	18	32	29	30	24	20
108 (2700)	0 (0)	0.00 (0)	7	10	18	33	29	29	23	19
	-375 (-1.91)	0.01 (3)	7	9	18	34	29	29	23	18
	-750 (-3.81)	0.04 (11)	8	10	19	35	29	29	23	18
	-1250 (-6.35)	0.15 (37)	8	11	19	35	29	29	23	18
	-1750 (-8.89)	0.24 (59)	9	12	19	34	28	29	22	18

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.01 (2)	0.04 (9)	0.13 (33)	0.21 (51)
60 (1500)	0.01 (2)	0.04 (10)	0.14 (34)	0.21 (53)
84 (2100)	0.01 (3)	0.04 (10)	0.14 (35)	0.22 (56)
108 (2700)	0.01 (3)	0.04 (11)	0.15 (37)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	58	53	48	47	47	43	46	39
	+1250 (+6.35)	45	44	38	40	39	33	35	26
	+750 (+3.81)	26	30	22	28	28	18	19	12
All Lengths	+375 (+1.91)	25	20	15	15	13	12	12	12
	-375 (-1.91)	25	20	15	15	14	12	12	12
	-750 (-3.81)	38	32	24	15	28	26	20	12
	-1250 (-6.35)	50	43	38	25	39	38	36	28
	-1750 (-8.89)	58	51	46	37	46	46	47	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	6 - 120	48 - 144
Metric	450-475	875-950	1750-1900	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.55 (136)	7	8	10	21	20	20	17	15
	+1250 (+6.35)	0.37 (91)	7	8	10	21	20	20	17	14
	+750 (+3.81)	0.10 (25)	8	8	10	21	20	20	16	14
	+375 (+1.91)	0.03 (6)	8	9	11	22	20	20	16	13
48 (1200)	0 (0)	0.00 (0)	8	9	11	22	20	20	16	14
	-375 (-1.91)	0.03 (6)	8	9	11	22	21	20	16	14
	-750 (-3.81)	0.10 (25)	8	9	11	23	21	20	16	14
	-1250 (-6.35)	0.37 (91)	9	10	12	23	21	20	16	14
	-1750 (-8.89)	0.55 (136)	9	10	12	24	22	20	16	14
	+1750 (+8.89)	0.53 (133)	8	9	12	24	24	23	19	17
	+1250 (+6.35)	0.36 (89)	8	9	12	24	24	23	19	16
	+750 (+3.81)	0.10 (24)	8	9	13	24	24	23	19	16
	+375 (+1.91)	0.02 (6)	9	9	13	25	24	23	19	16
60 (1500)	0 (0)	0.00 (0)	9	10	13	25	24	22	18	16
	-375 (-1.91)	0.02 (6)	9	10	14	25	23	22	18	16
	-750 (-3.81)	0.10 (24)	10	11	14	26	23	22	18	16
	-1250 (-6.35)	0.36 (89)	10	11	15	26	23	22	19	16
	-1750 (-8.89)	0.53 (133)	11	12	15	26	23	21	19	16
	+1750 (+8.89)	0.51 (127)	10	12	17	30	31	28	24	20
	+1250 (+6.35)	0.34 (85)	10	12	17	30	31	28	24	20
	+750 (+3.81)	0.09 (23)	10	12	18	31	31	28	24	20
	+375 (+1.91)	0.02 (6)	10	13	18	31	31	28	23	20
84 (2100)	0 (0)	0.00 (0)	11	13	18	32	31	28	23	19
	-375 (-1.91)	0.02 (6)	11	11	19	32	31	28	22	19
	-750 (-3.81)	0.09 (23)	12	13	19	33	31	27	22	18
	-1250 (-6.35)	0.34 (85)	12	13	20	33	31	27	21	18
	-1750 (-8.89)	0.51 (127)	13	14	20	34	31	26	21	18
	+1750 (+8.89)	0.49 (122)	12	15	21	36	39	34	29	24
	+1250 (+6.35)	0.33 (82)	11	14	22	36	38	34	29	24
	+750 (+3.81)	0.09 (22)	12	14	22	38	38	34	29	24
	+375 (+1.91)	0.02 (6)	12	17	23	38	38	33	28	24
108 (2700)	0 (0)	0.00 (0)	13	15	23	38	38	33	27	23
	-375 (-1.91)	0.02 (6)	14	12	24	40	39	33	26	21
	-750 (-3.81)	0.09 (22)	14	15	24	40	39	33	26	21
	-1250 (-6.35)	0.33 (82)	14	16	25	41	38	32	24	19
	-1750 (-8.89)	0.49 (122)	15	16	25	41	38	30	24	19

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.03 (6)	0.10 (25)	0.37 (91)	0.55 (136)
60 (1500)	0.02 (6)	0.10 (24)	0.36 (89)	0.53 (133)
84 (2100)	0.02 (6)	0.09 (23)	0.34 (85)	0.51 (127)
108 (2700)	0.02 (6)	0.09 (22)	0.33 (82)	0.49 (122)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	69	61	57	54	53	51	55	49
	+1250 (+6.35)	56	52	46	46	45	41	44	37
	+750 (+3.81)	37	38	31	34	34	26	28	18
All Lengths	+375 (+1.91)	25	20	15	18	19	12	12	12
	-375 (-1.91)	28	23	15	15	20	16	12	12
	-750 (-3.81)	45	38	32	17	34	33	29	20
	-1250 (-6.35)	57	50	45	35	45	45	45	38
	-1750 (-8.89)	65	57	54	47	52	53	56	49

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERM/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	6 - 120	48 - 144
Metric	450-475	875-950	1750-1900	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	1.42 (353)	7	12	12	20	22	22	18	15
	+1250 (+6.35)	0.72 (180)	7	12	13	23	23	20	18	16
	+750 (+3.81)	0.26 (65)	7	13	13	23	24	21	18	16
	+375 (+1.91)	0.07 (16)	6	14	14	24	24	21	19	16
48 (1200)	0 (0)	0.00 (0)	6	15	15	24	24	21	19	16
	-375 (-1.91)	0.07 (16)	8	13	15	25	26	19	18	18
	-750 (-3.81)	0.26 (65)	8	14	16	26	27	20	18	18
	-1250 (-6.35)	0.72 (180)	10	16	17	27	27	19	17	18
	-1750 (-8.89)	1.42 (353)	10	16	17	27	27	19	17	18
	+1750 (+8.89)	1.39 (346)	8	13	14	24	28	25	20	18
	+1250 (+6.35)	0.71 (176)	8	13	16	26	29	24	21	18
	+750 (+3.81)	0.26 (64)	8	14	16	27	29	24	20	18
	+375 (+1.91)	0.06 (16)	8	15	17	28	29	24	21	18
60 (1500)	0 (0)	0.00 (0)	8	16	18	28	29	24	21	18
	-375 (-1.91)	0.06 (16)	9	14	18	29	31	23	20	18
	-750 (-3.81)	0.26 (64)	9	15	19	30	32	23	20	18
	-1250 (-6.35)	0.71 (176)	12	17	20	31	32	22	18	18
	-1750 (-8.89)	1.39 (346)	12	17	20	31	32	22	18	18
	+1750 (+8.89)	1.33 (332)	10	15	20	32	39	32	26	23
	+1250 (+6.35)	0.68 (169)	10	15	21	32	40	31	26	22
	+750 (+3.81)	0.24 (61)	11	15	22	34	40	31	25	22
	+375 (+1.91)	0.06 (15)	11	17	23	35	40	31	25	22
84 (2100)	0 (0	0.00 (0)	11	16	23	36	40	30	24	21
	-375 (-1.91)	0.06 (15)	13	16	24	37	41	29	22	20
	-750 (-3.81)	0.24 (61)	13	17	25	38	42	29	22	20
	-1250 (-6.35)	0.68 (169)	14	19	26	39	42	28	22	20
	-1750 (-8.89)	1.33 (332)	14	19	26	39	42	28	22	20
	+1750 (+8.89)	1.28 (317)	13	18	25	40	51	39	31	28
	+1250 (+6.35)	0.65 (162)	12	17	26	39	50	39	31	27
	+750 (+3.81)	0.23 (58)	13	17	27	41	50	38	30	27
	+375 (+1.91)	0.06 (15)	14	19	28	42	50	37	29	26
108 (2700)	0 (0)	0.00 (0)	15	17	29	44	51	36	26	23
	-375 (-1.91)	0.06 (15)	16	18	31	45	51	36	25	21
	-750 (-3.81)	0.23 (58)	16	19	31	46	52	35	25	21
	-1250 (-6.35)	0.65 (162)	17	21	31	47	52	34	25	21
	-1750 (-8.89)	1.28 (317)	17	21	31	47	52	34	25	21

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.07 (16)	0.26 (65)	0.72 (180)	1.42 (353)
60 (1500)	0.06 (16)	0.26 (64)	0.71 (176)	1.39 (346)
84 (2100)	0.06 (15)	0.24 (61)	0.68 (169)	1.33 (332)
108 (2700)	0.06 (15)	0.23 (58)	0.65 (162)	1.28 (317)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	85	72	69	64	62	63	68	64
	+1250 (+6.35)	72	63	59	56	54	53	57	52
	+750 (+3.81)	52	49	43	44	43	38	41	33
All Lengths	+375 (+1.91)	26	30	22	28	28	18	19	12
	-375 (-1.91)	38	32	24	15	28	26	20	12
	-750 (-3.81)	54	47	42	31	43	42	42	34
	-1250 (-6.35)	67	59	56	49	53	54	58	51
	-1750 (-8.89)	75	66	64	61	60	63	69	63

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Product Information

Models

Elbow Extended Casing Silencers

Elbow Extended Casing Medium Velocity
ERMX

Price Absorptive Elbow Silencers are designed with larger baffles that extend past the standard casing, and target low frequency noise. Similar to the ERM, the extended model attenuates undesirable noise in short runs of ductwork, with the additional benefit of improved mid frequency insertion loss that is provided by the 90° bend. The smooth radius of the internal geometry of these silencers allows low to medium velocity air to flow through with minimal system pressure drop. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Larger baffles that target difficult low frequency duct noise.
- Improved mid frequency insertion loss.
- Optimized inlet radius to minimize turbulent flow and reduce pressure drop.
- Engineered internal geometries that maximize static regain.
- Highest quality welded construction with mechanical fasteners used only where absolutely necessary. Screws are never used.
- 2 in. slip connection on both ends.

ERMX Silencers

Price ERMX absorptive silencers are designed for a large range of velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with duct velocities of 2500 fpm or less.

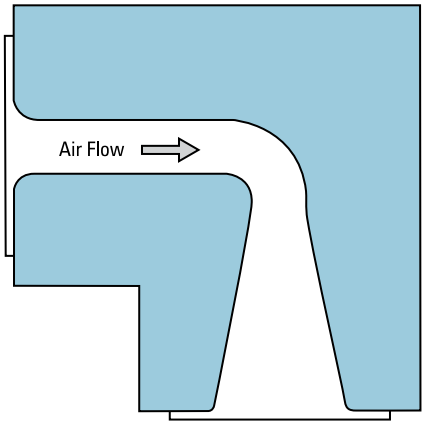
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity range:

Model	Description	Air Velocity Range (fpm)
ERMX	Medium Velocity Silencer	0-2500*

* Price ERMX silencers are designed for a large range of velocities.

ERMX - Rectangular Medium Velocity



ERMX60/6B

- Air Velocity: M - Medium Velocity
- Performance Length: Range from 36" - 144"
- Module Factor:
  1 - 12" - 13.99"
  2 - 14" - 16.99"
  3 - 17" - 18.99"
  4 - 19" - 20.99"
  5 - 21" - 22.99"
  6 - 23" - 24.99"
  7 - 25" - 26.99"
  8 - 27" - 28.99"
  9 - 29" - 30.99"
  U - 31" - 32.99"
  V - 33" - 34.99"
  W - 35" - 38.99"
  X - 39" - 42.99"
  Y - 43" - 46.99"
  Z - 47" - 50"
- P.A. Code: Range From A - F

© Copyright Price Industries Limited 2014.

Absorptive Elbow Extended Casing Silencers
ERMX Series

Product Information

Construction

Price absorptive elbow extended casing silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Components

Elbow silencers that exceed a width of 59 inches or a height of 48 inches will be built in multiple components,then field assembled (by others) into a bank that matches the duct dimensions.

Dimensions

Price absorptive elbow extended casing silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

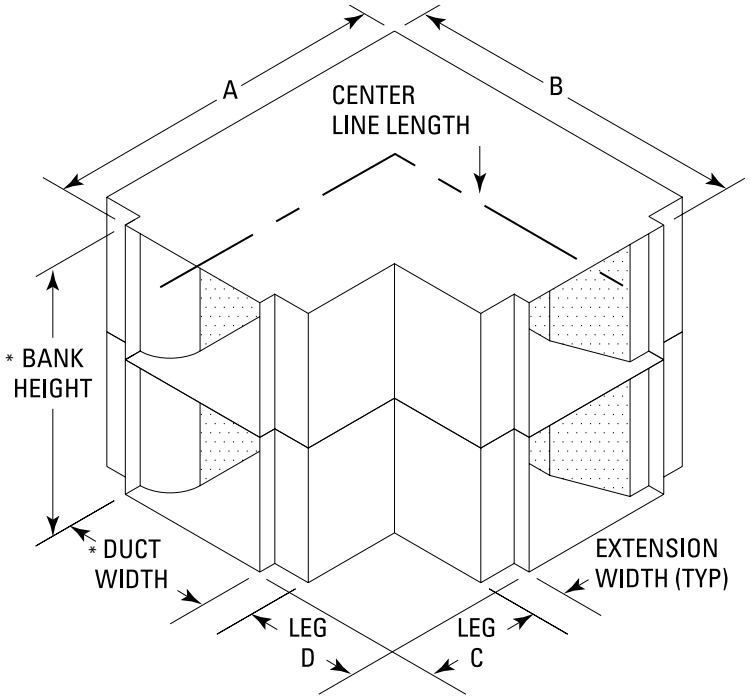
- Paint
- Fiberglass Cloth
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
HTL1**	16	28	29	31	33	36	39	42	42
HTL2**	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Duct width & bank height typically equal the duct dimensions

Standard Dimension Limits

Duct Width		Bank Height		Bank Height		Center Line Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
12	84	24	96	6	120	36	144	24	59	6	48

Leg A		Leg B		Leg C		Leg D	
Min	Max	Min	Max	Min	Max	Min	Max
30	132	36	138	6	108	12	132

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- Bank width equals duct width plus extension width.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-13	24-26	6 - 120	36 - 144
Metric	300-325	600-650	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.05 (12)	4	8	16	20	30	29	23	21
	+1250 (+6.35)	0.03 (6)	4	8	16	20	30	29	23	21
	+750 (+3.81)	0.01 (2)	4	8	17	20	30	29	24	21
	+375 (+1.91)	0.01 (2)	4	8	17	20	30	29	24	21
	0 (0)	0.00 (0)	4	8	17	20	30	29	24	21
	-375 (-1.91)	0.01 (2)	4	8	17	20	31	29	24	21
	-750 (-3.81)	0.01 (2)	4	8	17	20	31	29	24	21
	-1250 (-6.35)	0.03 (6)	4	8	18	21	31	29	24	21
	-1750 (-8.89)	0.05 (12)	4	8	18	21	31	29	24	21
60 (1500)	+1750 (+8.89)	0.06 (15)	6	10	21	29	37	37	31	25
	+1250 (+6.35)	0.03 (8)	6	10	21	29	37	37	31	25
	+750 (+3.81)	0.01 (3)	6	10	21	29	37	37	31	25
	+375 (+1.91)	0.01 (2)	6	10	21	29	38	37	31	25
	0 (0)	0.00 (0)	6	10	22	29	38	37	31	25
	-375 (-1.91)	0.01 (2)	6	10	22	30	38	37	31	25
	-750 (-3.81)	0.01 (3)	6	10	22	30	38	37	31	25
	-1250 (-6.35)	0.03 (8)	7	10	22	30	38	37	31	25
	-1750 (-8.89)	0.06 (15)	7	11	23	30	39	37	31	25
84 (2100)	+1750 (+8.89)	0.07 (17)	8	11	25	38	44	45	38	29
	+1250 (+6.35)	0.04 (9)	8	12	25	38	44	45	38	29
	+750 (+3.81)	0.01 (3)	8	12	26	38	44	45	38	29
	+375 (+1.91)	0.01 (2)	9	12	26	38	45	45	38	29
	0 (0)	0.00 (0)	9	12	26	39	45	45	38	29
	-375 (-1.91)	0.01 (2)	9	12	27	39	45	45	38	29
	-750 (-3.81)	0.01 (3)	9	12	27	39	45	45	38	29
	-1250 (-6.35)	0.04 (9)	9	13	27	39	46	45	38	29
	-1750 (-8.89)	0.07 (17)	9	13	28	40	46	45	38	30
108 (2700)	+1750 (+8.89)	0.08 (20)	10	13	29	47	51	53	45	33
	+1250 (+6.35)	0.04 (10)	11	14	30	47	51	53	45	33
	+750 (+3.81)	0.01 (4)	11	14	30	47	52	53	45	33
	+375 (+1.91)	0.01 (2)	11	14	31	48	52	53	45	33
	0 (0)	0.00 (0)	11	14	31	48	52	53	45	33
	-375 (-1.91)	0.01 (2)	11	14	31	48	53	53	45	33
	-750 (-3.81)	0.01 (4)	11	15	32	48	53	53	45	34
	-1250 (-6.35)	0.04 (10)	11	15	32	49	53	53	45	34
	-1750 (-8.89)	0.08 (20)	12	15	33	49	54	53	45	34

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
60 (1500)	0.01 (2)	0.01 (3)	0.03 (8)	0.06 (14)
84 (2100)	0.01 (2)	0.01 (3)	0.03 (9)	0.07 (17)
108 (2700)	0.01 (2)	0.01 (4)	0.04 (10)	0.08 (20)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	30	33	26	30	30	21	22	12
	+1250 (+6.35)	25	24	16	22	22	11	12	10
	+750 (+3.81)	25	20	15	15	11	10	10	10
	+375 (+1.91)	25	20	15	15	10	10	10	10
	-375 (-1.91)	25	20	15	15	10	10	10	10
	-750 (-3.81)	25	20	15	15	13	10	10	10
	-1250 (-6.35)	32	26	18	15	23	20	13	10
	-1750 (-8.89)	40	34	27	15	30	28	24	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-13	36-39	6 - 120	36 - 144
Metric	300-325	900-975	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.10 (26)	3	7	19	26	40	38	29	25
	+1250 (+6.35)	0.05 (13)	3	7	20	26	40	38	29	25
	+750 (+3.81)	0.02 (5)	3	7	20	27	41	38	29	26
	+375 (+1.91)	0.01 (2)	3	7	20	27	41	38	29	26
	0 (0)	0.00 (0)	3	7	21	27	41	38	29	26
	-375 (-1.91)	0.01 (2)	3	7	21	27	42	38	29	26
	-750 (-3.81)	0.02 (5)	3	7	21	28	43	38	29	26
	-1250 (-6.35)	0.05 (13)	3	8	22	28	43	38	30	26
	-1750 (-8.89)	0.10 (26)	3	8	22	29	44	38	30	26
60 (1500)	+1750 (+8.89)	0.12 (31)	6	10	25	34	43	43	36	29
	+1250 (+6.35)	0.06 (16)	6	10	25	34	44	43	36	29
	+750 (+3.81)	0.02 (6)	6	11	26	35	44	43	37	29
	+375 (+1.91)	0.01 (1)	6	11	26	35	45	43	37	29
	0 (0)	0.00 (0)	6	11	26	35	45	43	37	30
	-375 (-1.91)	0.01 (1)	6	11	27	35	45	43	37	30
	-750 (-3.81)	0.02 (6)	6	11	27	36	46	43	37	30
	-1250 (-6.35)	0.06 (16)	6	11	28	36	46	43	37	30
	-1750 (-8.89)	0.12 (31)	6	12	28	36	47	43	37	30
84 (2100)	+1750 (+8.89)	0.14 (36)	8	13	30	42	47	48	43	33
	+1250 (+6.35)	0.07 (18)	8	14	31	42	47	48	44	33
	+750 (+3.81)	0.03 (7)	8	14	31	42	48	48	44	33
	+375 (+1.91)	0.01 (2)	9	14	32	43	48	48	44	33
	0 (0)	0.00 (0)	9	14	32	43	49	48	44	33
	-375 (-1.91)	0.01 (2)	9	15	33	43	49	48	44	34
	-750 (-3.81)	0.03 (7)	9	15	33	44	49	48	44	34
	-1250 (-6.35)	0.07 (18)	9	15	34	44	50	48	44	34
	-1750 (-8.89)	0.14 (36)	9	15	35	44	50	48	44	34
108 (2700)	+1750 (+8.89)	0.16 (41)	11	17	36	49	51	53	51	36
	+1250 (+6.35)	0.08 (21)	11	17	36	50	51	53	51	37
	+750 (+3.81)	0.03 (8)	11	17	37	50	52	53	51	37
	+375 (+1.91)	0.01 (2)	11	18	38	51	52	53	51	37
	0 (0)	0.00 (0)	12	18	38	51	52	53	51	37
	-375 (-1.91)	0.03 (2)	12	18	39	51	53	53	51	37
	-750 (-3.81)	0.03 (8)	12	19	39	52	53	53	51	38
	-1250 (-6.35)	0.08 (21)	12	19	40	52	54	53	51	38
	-1750 (-8.89)	0.16 (41)	12	19	41	53	54	53	52	38

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.02 (5)	0.05 (13)	0.10 (26)
60 (1500)	0.01 (2)	0.02 (6)	0.06 (16)	0.12 (31)
84 (2100)	0.01 (2)	0.03 (7)	0.07 (18)	0.14 (36)
108 (2700)	0.01 (2)	0.03 (8)	0.08 (21)	0.16 (41)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	41	41	34	36	36	29	32	22
	+1250 (+6.35)	28	32	24	29	29	20	21	10
	+750 (+3.81)	25	20	20	17	18	10	10	10
	+375 (+1.91)	25	20	20	15	10	10	10	10
	-375 (-1.91)	25	20	20	15	10	10	10	10
	-750 (-3.81)	26	22	20	15	19	14	10	10
	-1250 (-6.35)	39	33	26	15	29	27	22	12
	-1750 (-8.89)	47	40	34	21	36	35	33	24

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-13	24-26	6 - 120	36 - 144
Metric	300-325	600-650	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.30 (74)	4	13	23	35	43	44	32	27
	+1250 (+6.35)	0.15 (38)	4	13	24	36	44	44	32	27
	+750 (+3.81)	0.05 (14)	4	13	24	36	45	44	32	27
	+375 (+1.91)	0.01 (3)	4	14	25	37	45	44	32	27
	0 (0)	0.00 (0)	4	14	25	37	46	44	32	27
	-375 (-1.91)	0.01 (3)	4	14	26	38	46	44	32	27
	-750 (-3.81)	0.05 (14)	4	15	26	38	47	44	32	27
	-1250 (-6.35)	0.15 (38)	5	15	27	39	47	44	32	28
	-1750 (-8.89)	0.30 (74)	5	15	28	39	48	44	32	28
60 (1500)	+1750 (+8.89)	0.31 (77)	7	15	29	39	45	48	40	32
	+1250 (+6.35)	0.16 (39)	8	15	30	40	46	48	40	33
	+750 (+3.81)	0.06 (14)	8	16	31	40	46	48	40	33
	+375 (+1.91)	0.01 (4)	8	16	32	41	47	48	40	33
	0 (0)	0.00 (0)	8	17	33	41	47	48	40	33
	-375 (-1.91)	0.01 (4)	8	17	33	42	48	48	40	33
	-750 (-3.81)	0.06 (14)	9	17	34	42	49	48	40	33
	-1250 (-6.35)	0.16 (39)	9	18	35	43	49	48	40	34
	-1750 (-8.89)	0.31 (77)	9	18	36	44	50	48	40	34
84 (2100)	+1750 (+8.89)	0.32 (80)	11	17	36	43	47	51	47	38
	+1250 (+6.35)	0.16 (41)	11	18	37	44	47	51	48	39
	+750 (+3.81)	0.06 (15)	12	18	38	45	48	51	48	39
	+375 (+1.91)	0.01 (4)	12	19	39	45	49	51	48	39
	0 (0)	0.00 (0)	12	19	40	46	49	51	48	39
	-375 (-1.91)	0.01 (4)	12	20	41	46	50	51	48	39
	-750 (-3.81)	0.06 (15)	13	20	42	47	50	51	48	40
	-1250 (-6.35)	0.16 (41)	13	21	43	47	51	51	48	40
	-1750 (-8.89)	0.32 (80)	13	21	44	48	52	51	48	40
108 (2700)	+1750 (+8.89)	0.34 (84)	14	20	42	47	48	54	55	44
	+1250 (+6.35)	0.17 (43)	15	20	44	48	49	54	56	44
	+750 (+3.81)	0.06 (15)	15	21	45	49	50	54	55	45
	+375 (+1.91)	0.02 (4)	16	21	46	49	51	54	55	45
	0 (0)	0.00 (0)	16	22	47	50	51	54	55	45
	-375 (-1.91)	0.02 (4)	16	22	48	50	52	54	55	45
	-750 (-3.81)	0.06 (15)	17	23	49	51	52	54	55	46
	-1250 (-6.35)	0.17 (43)	17	23	50	52	53	54	56	46
	-1750 (-8.89)	0.34 (84)	18	24	52	52	54	54	56	46

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.05 (14)	0.15 (38)	0.30 (74)
60 (1500)	0.01 (4)	0.06 (14)	0.16 (39)	0.31 (77)
84 (2100)	0.01 (4)	0.06 (15)	0.16 (41)	0.32 (80)
108 (2700)	0.01 (4)	0.06 (15)	0.17 (43)	0.34 (84)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	57	52	46	46	45	41	44	37
	+1250 (+6.35)	44	43	36	38	38	31	34	25
	+750 (+3.81)	25	29	21	26	26	16	17	10
	+375 (+1.91)	25	20	15	15	11	10	10	10
	-375 (-1.91)	25	20	15	15	13	10	10	10
	-750 (-3.81)	36	31	23	15	27	24	19	10
	-1250 (-6.35)	49	42	36	23	37	36	35	26
	-1750 (-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 120	36 - 144
Metric	3275-600	850-900	2000-2100	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.05 (12)	6	9	10	17	22	20	18	15
	+1250 (+6.35)	0.02 (6)	6	9	10	17	23	20	18	15
	+750 (+3.81)	0.01 (2)	6	9	11	17	23	20	18	15
	+375 (+1.91)	0.01 (2)	6	9	11	17	23	20	18	15
	0 (0)	0.00 (0)	6	9	11	17	23	20	18	15
	-375 (-1.91)	0.01 (2)	6	9	11	18	23	20	18	15
	-750 (-3.81)	0.01 (2)	6	9	11	18	23	20	18	15
	-1250 (-6.35)	0.02 (6)	6	10	11	18	23	20	18	15
	-1750 (-8.89)	0.05 (12)	6	10	11	18	24	20	18	15
60 (1500)	+1750 (+8.89)	0.05 (12)	6	9	13	22	26	24	21	17
	+1250 (+6.35)	0.03 (6)	6	9	13	22	26	24	21	17
	+750 (+3.81)	0.01 (2)	7	10	14	22	27	24	21	17
	+375 (+1.91)	0.01 (2)	7	10	14	22	27	24	21	17
	0 (0)	0.00 (0)	7	10	14	23	27	24	21	17
	-375 (-1.91)	0.01 (2)	7	10	14	23	27	24	21	17
	-750 (-3.81)	0.01 (2)	7	10	14	23	27	24	21	17
	-1250 (-6.35)	0.03 (6)	7	10	14	23	27	24	21	17
	-1750 (-8.89)	0.05 (12)	7	10	15	23	28	24	21	17
84 (2100)	+1750 (+8.89)	0.05 (14)	8	10	19	32	34	32	26	21
	+1250 (+6.35)	0.03 (7)	8	10	19	32	34	32	27	21
	+750 (+3.81)	0.01 (2)	8	11	19	32	34	32	27	21
	+375 (+1.91)	0.01 (2)	8	11	20	33	34	32	27	21
	0 (0)	0.00 (0)	8	11	20	33	35	32	27	22
	-375 (-1.91)	0.01 (2)	8	11	20	33	35	32	27	22
	-750 (-3.81)	0.01 (2)	8	11	20	33	35	32	27	22
	-1250 (-6.35)	0.03 (7)	8	11	21	33	35	32	27	22
	-1750 (-8.89)	0.05 (14)	8	11	21	34	36	32	27	22
108 (2700)	+1750 (+8.89)	0.06 (15)	9	11	24	42	41	39	32	26
	+1250 (+6.35)	0.03 (7)	9	11	25	42	42	39	32	26
	+750 (+3.81)	0.01 (3)	9	12	25	43	42	39	32	26
	+375 (+1.91)	0.01 (2)	9	12	25	43	42	39	32	26
	0 (0)	0.00 (0)	9	12	26	43	43	39	32	26
	-375 (-1.91)	0.01 (2)	10	12	26	43	43	39	32	26
	-750 (-3.81)	0.01 (3)	10	12	26	43	43	39	32	26
	-1250 (-6.35)	0.03 (7)	10	12	27	44	43	39	33	26
	-1750 (-8.89)	0.06 (15)	10	12	27	44	44	39	33	26

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.01 (2)	0.01 (2)	0.02 (6)	0.05 (12)
60 (1500)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
84 (2100)	0.01 (2)	0.01 (2)	0.03 (7)	0.05 (14)
108 (2700)	0.01 (2)	0.01 (3)	0.03 (7)	0.06 (15)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	30	33	26	30	30	21	22	12
	+1250 (+6.35)	25	24	16	22	22	11	12	10
	+750 (+3.81)	25	20	15	15	11	10	10	10
	+375 (+1.91)	25	20	15	15	10	10	10	10
	-375 (-1.91)	25	20	15	15	10	10	10	10
	-750 (-3.81)	25	20	15	15	13	10	10	10
	-1250 (-6.35)	32	26	18	15	23	20	13	10
	-1750 (-8.89)	40	34	27	15	30	28	24	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 120	48 - 144
Metric	3275-600	850-900	2000-2100	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.15 (38)	4	9	13	21	29	24	24	19
	+1250 (+6.35)	0.08 (20)	5	10	14	22	29	24	24	19
	+750 (+3.81)	0.03 (7)	5	10	14	22	29	24	24	19
	+375 (+1.91)	0.01 (2)	5	10	14	22	29	24	24	19
	0 (0)	0.00 (0)	5	10	14	22	30	24	24	19
	-375 (-1.91)	0.01 (2)	5	10	14	22	30	24	24	19
	-750 (-3.81)	0.03 (7)	5	10	15	23	31	24	24	19
	-1250 (-6.35)	0.08 (20)	5	11	15	23	31	24	24	19
	-1750 (-8.89)	0.15 (38)	5	11	15	24	32	24	24	20
60 (1500)	+1750 (+8.89)	0.15 (37)	6	11	17	26	33	28	26	21
	+1250 (+6.35)	0.08 (19)	6	11	17	26	33	28	26	21
	+750 (+3.81)	0.03 (7)	6	12	17	27	33	28	26	21
	+375 (+1.91)	0.01 (2)	6	12	18	27	34	28	26	21
	0 (0)	0.00 (0)	6	12	18	27	34	28	26	21
	-375 (-1.91)	0.01 (2)	6	12	18	27	34	28	26	21
	-750 (-3.81)	0.03 (7)	6	12	19	27	35	28	26	21
	-1250 (-6.35)	0.08 (19)	6	13	19	28	35	28	26	21
	-1750 (-8.89)	0.15 (37)	6	13	19	28	35	28	26	21
84 (2100)	+1750 (+8.89)	0.14 (34)	8	15	24	35	41	36	30	24
	+1250 (+6.35)	0.07 (17)	8	15	24	36	42	36	30	24
	+750 (+3.81)	0.02 (6)	8	15	25	36	42	36	30	24
	+375 (+1.91)	0.01 (2)	8	16	25	36	42	36	30	24
	0 (0)	0.00 (0)	9	16	25	37	43	36	30	25
	-375 (-1.91)	0.01 (2)	9	16	26	37	43	36	30	25
	-750 (-3.81)	0.02 (6)	9	16	26	37	43	36	30	25
	-1250 (-6.35)	0.07 (17)	9	17	27	38	44	36	30	25
	-1750 (-8.89)	0.14 (34)	9	17	27	38	44	36	30	25
108 (2700)	+1750 (+8.89)	0.12 (30)	10	18	31	45	49	43	34	28
	+1250 (+6.35)	0.06 (16)	11	19	31	45	50	43	34	28
	+750 (+3.81)	0.02 (6)	11	19	32	46	50	43	34	28
	+375 (+1.91)	0.01 (1)	11	19	33	46	51	43	34	28
	0 (0)	0.00 (0)	11	19	33	46	51	43	34	28
	-375 (-1.91)	0.01 (1)	11	20	33	47	52	43	34	28
	-750 (-3.81)	0.02 (6)	11	20	34	47	52	43	34	28
	-1250 (-6.35)	0.06 (16)	12	20	35	48	52	43	34	28
	-1750 (-8.89)	0.12 (30)	12	21	35	48	53	43	34	28

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.01 (2)	0.03 (7)	0.08 (20)	0.15 (38)
60 (1500)	0.01 (2)	0.03 (7)	0.08 (19)	0.15 (37)
84 (2100)	0.01 (2)	0.02 (6)	0.07 (17)	0.14 (34)
108 (2700)	0.01 (1)	0.02 (6)	0.06 (16)	0.12 (30)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	41	41	34	36	36	29	32	22
	+1250 (+6.35)	28	32	24	29	29	20	21	10
	+750 (+3.81)	25	20	20	17	18	10	10	10
	+375 (+1.91)	25	20	20	15	10	10	10	10
	-375 (-1.91)	25	20	20	15	10	10	10	10
	-750 (-3.81)	26	22	20	15	19	14	10	10
	-1250 (-6.35)	39	33	26	15	29	27	22	12
	-1750 (-8.89)	47	40	34	21	36	35	33	24

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 120	48 - 144
Metric	3275-600	850-900	2000-2100	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.38 (94)	7	12	17	27	36	31	26	22
	+1250 (+6.35)	0.19 (48)	7	12	17	27	37	31	26	22
	+750 (+3.81)	0.07 (17)	8	13	18	27	37	31	26	23
	+375 (+1.91)	0.02 (4)	8	13	18	28	38	31	27	23
	0 (0)	0.00 (0)	8	13	19	28	38	31	27	23
	-375 (-1.91)	0.02 (4)	8	14	19	28	39	31	27	23
	-750 (-3.81)	0.07 (17)	8	14	20	29	39	31	27	23
	-1250 (-6.35)	0.19 (48)	9	14	20	29	40	31	27	23
	-1750 (-8.89)	0.38 (94)	9	15	21	29	40	31	27	23
60 (1500)	+1750 (+8.89)	0.37 (92)	8	14	21	31	39	34	29	24
	+1250 (+6.35)	0.19 (47)	9	15	22	32	39	34	29	24
	+750 (+3.81)	0.07 (17)	9	15	22	32	40	34	29	24
	+375 (+1.91)	0.02 (4)	9	15	23	32	40	34	29	24
	0 (0)	0.00 (0)	9	16	23	33	41	34	29	24
	-375 (-1.91)	0.02 (4)	9	16	24	33	41	34	29	24
	-750 (-3.81)	0.07 (17)	10	16	24	34	42	34	29	25
	-1250 (-6.35)	0.19 (47)	10	17	25	34	42	34	29	25
	-1750 (-8.89)	0.37 (92)	10	17	26	34	43	34	29	25
84 (2100)	+1750 (+8.89)	0.35 (87)	11	18	29	40	44	42	34	27
	+1250 (+6.35)	0.18 (44)	11	19	30	41	44	42	34	27
	+750 (+3.81)	0.06 (16)	11	19	31	41	45	42	34	27
	+375 (+1.91)	0.02 (4)	12	20	32	42	45	42	34	28
	0 (0)	0.00 (0)	12	20	32	42	46	42	34	28
	-375 (-1.91)	0.02 (4)	12	21	33	43	46	42	34	28
	-750 (-3.81)	0.06 (16)	12	21	34	43	47	42	34	28
	-1250 (-6.35)	0.18 (44)	13	22	35	44	48	42	34	28
	-1750 (-8.89)	0.35 (87)	13	22	36	44	48	42	35	28
108 (2700)	+1750 (+8.89)	0.33 (82)	13	22	37	49	49	49	39	30
	+1250 (+6.35)	0.17 (42)	13	23	38	50	49	49	39	30
	+750 (+3.81)	0.06 (15)	14	24	40	51	50	49	39	31
	+375 (+1.91)	0.02 (4)	14	24	41	51	51	49	39	31
	0 (0)	0.00 (0)	14	25	41	52	51	49	39	31
	-375 (-1.91)	0.02 (4)	15	25	42	52	52	49	39	31
	-750 (-3.81)	0.06 (15)	15	26	43	53	52	49	40	31
	-1250 (-6.35)	0.17 (42)	16	27	45	54	53	49	40	32
	-1750 (-8.89)	0.33 (82)	16	28	46	54	54	49	40	32

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.02 (4)	0.07 (17)	0.19 (48)	0.38 (94)
60 (1500)	0.02 (4)	0.07 (17)	0.19 (47)	0.37 (92)
84 (2100)	0.02 (4)	0.06 (16)	0.18 (44)	0.35 (87)
108 (2700)	0.02 (4)	0.06 (15)	0.17 (42)	0.33 (82)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	57	52	46	46	45	41	44	37
	+1250 (+6.35)	44	43	36	38	38	31	34	25
	+750 (+3.81)	25	29	21	26	26	16	17	10
	+375 (+1.91)	25	20	15	15	11	10	10	10
	-375 (-1.91)	25	20	15	15	13	10	10	10
	-750 (-3.81)	36	31	23	15	27	24	19	10
	-1250 (-6.35)	49	42	36	23	37	36	35	26
	-1750 (-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 120	48 - 144
Metric	575-650	1450-1600	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.09 (23)	5	10	9	17	14	13	12	13
	+1250 (+6.35)	0.06 (15)	5	10	9	17	14	13	12	13
	+750 (+3.81)	0.02 (4)	5	10	10	18	14	13	12	13
	+375 (+1.91)	0.01 (2)	5	10	10	18	14	13	12	13
	0 (0)	0.00 (0)	6	10	10	18	14	13	12	13
	-375 (-1.91)	0.01 (2)	6	10	10	18	14	13	12	13
	-750 (-3.81)	0.02 (4)	6	11	10	18	14	13	12	13
	-1250 (-6.35)	0.06 (15)	6	11	10	18	15	13	12	13
	-1750 (-8.89)	0.09 (23)	6	11	11	18	15	13	12	13
60 (1500)	+1750 (+8.89)	0.09 (23)	5	10	11	20	17	16	14	14
	+1250 (+6.35)	0.06 (15)	5	10	11	20	17	16	14	14
	+750 (+3.81)	0.02 (4)	6	10	11	21	17	16	14	14
	+375 (+1.91)	0.01 (2)	6	10	11	21	17	16	14	14
	0 (0)	0.00 (0)	6	10	11	21	17	16	14	14
	-375 (-1.91)	0.01 (2)	6	10	12	21	17	16	14	14
	-750 (-3.81)	0.02 (4)	6	11	12	21	17	16	14	14
	-1250 (-6.35)	0.06 (15)	6	11	12	21	18	16	14	14
	-1750 (-8.89)	0.09 (23)	6	11	12	22	18	16	14	14
84 (2100)	+1750 (+8.89)	0.10 (25)	6	10	14	26	22	23	18	16
	+1250 (+6.35)	0.06 (16)	6	10	14	26	22	23	18	16
	+750 (+3.81)	0.02 (5)	6	10	14	27	23	23	19	17
	+375 (+1.91)	0.01 (2)	6	10	14	27	23	23	19	17
	0 (0)	0.00 (0)	6	10	15	27	23	23	19	17
	-375 (-1.91)	0.01 (2)	6	10	15	27	23	23	19	17
	-750 (-3.81)	0.02 (5)	6	11	15	28	23	23	19	17
	-1250 (-6.35)	0.06 (16)	6	11	15	28	23	23	19	17
	-1750 (-8.89)	0.10 (25)	7	11	16	28	24	23	19	17
108 (2700)	+1750 (+8.89)	0.10 (26)	6	10	16	32	28	29	23	19
	+1250 (+6.35)	0.07 (17)	6	10	17	33	28	29	23	19
	+750 (+3.81)	0.02 (5)	6	10	17	33	28	29	23	19
	+375 (+1.91)	0.01 (2)	6	10	17	33	29	29	23	19
	0 (0)	0.00 (0)	7	10	18	33	29	29	23	19
	-375 (-1.91)	0.01 (2)	7	10	18	34	29	29	23	19
	-750 (-3.81)	0.02 (5)	7	10	18	34	29	29	23	19
	-1250 (-6.35)	0.07 (17)	7	11	18	34	29	29	23	19
	-1750 (-8.89)	0.10 (26)	7	11	19	35	30	29	23	19

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.01 (2)	0.02 (4)	0.06 (15)	0.09 (23)
60 (1500)	0.01 (2)	0.02 (4)	0.06 (15)	0.09 (23)
84 (2100)	0.01 (2)	0.02 (5)	0.06 (16)	0.10 (25)
108 (2700)	0.01 (2)	0.02 (5)	0.07 (17)	0.10 (26)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	43	42	36	38	38	31	33	24
	+1250 (+6.35)	30	33	26	30	30	21	22	12
	+750 (+3.81)	25	20	15	18	19	12	12	12
	+375 (+1.91)	25	20	15	15	12	12	12	12
	-375 (-1.91)	25	20	15	15	12	12	12	12
	-750 (-3.81)	28	23	15	15	20	16	12	12
	-1250 (-6.35)	40	34	27	15	31	28	24	14
	-1750 (-8.89)	48	42	36	22	37	36	34	25

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 120	48 - 144
Metric	575-650	1450-1600	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.24 (60)	7	8	10	21	19	20	16	13
	+1250 (+6.35)	0.16 (40)	7	8	10	21	19	20	16	13
	+750 (+3.81)	0.04 (11)	8	9	10	21	20	20	16	13
	+375 (+1.91)	0.01 (3)	8	9	11	22	20	20	16	13
	0 (0)	0.00 (0)	8	9	11	22	20	20	16	14
	-375 (-1.91)	0.01 (3)	8	9	11	22	21	20	16	14
	-750 (-3.81)	0.04 (11)	8	9	11	23	21	20	16	14
	-1250 (-6.35)	0.16 (40)	9	10	12	23	21	20	16	14
	-1750 (-8.89)	0.24 (60)	9	10	12	24	22	20	16	14
60 (1500)	+1750 (+8.89)	0.24 (59)	8	9	12	24	23	22	18	15
	+1250 (+6.35)	0.16 (40)	8	10	12	24	23	22	18	15
	+750 (+3.81)	0.04 (11)	9	10	13	25	23	22	18	15
	+375 (+1.91)	0.01 (3)	9	10	13	25	24	22	18	15
	0 (0)	0.00 (0)	9	10	13	25	24	22	18	16
	-375 (-1.91)	0.01 (3)	9	10	14	25	24	22	18	16
	-750 (-3.81)	0.04 (11)	9	11	14	26	24	22	18	16
	-1250 (-6.35)	0.16 (40)	10	11	14	26	25	22	18	16
	-1750 (-8.89)	0.24 (59)	10	11	15	26	25	22	18	16
84 (2100)	+1750 (+8.89)	0.23 (57)	10	12	17	31	30	28	23	19
	+1250 (+6.35)	0.15 (38)	10	12	17	31	30	28	23	19
	+750 (+3.81)	0.04 (10)	10	12	18	31	30	28	23	19
	+375 (+1.91)	0.01 (3)	11	12	18	31	31	28	23	19
	0 (0)	0.00 (0)	11	13	18	32	31	28	23	19
	-375 (-1.91)	0.01 (3)	11	13	19	32	31	28	23	19
	-750 (-3.81)	0.04 (10)	11	13	19	32	32	28	23	20
	-1250 (-6.35)	0.15 (38)	12	13	19	33	32	28	23	20
	-1750 (-8.89)	0.23 (57)	12	14	20	33	32	28	23	20
108 (2700)	+1750 (+8.89)	0.22 (54	12	14	21	37	36	33	27	23
	+1250 (+6.35)	0.15 (36)	12	14	22	37	37	33	27	23
	+750 (+3.81)	0.04 (10)	12	14	22	38	37	33	27	23
	+375 (+1.91)	0.01 (2)	12	15	23	38	38	33	27	23
	0 (0)	0.00 (0)	13	15	23	38	38	33	27	23
	-375 (-1.91)	0.01 (2)	13	15	24	39	39	33	27	23
	-750 (-3.81)	0.04 (10)	13	16	24	39	39	33	27	24
	-1250 (-6.35)	0.15 (36)	14	16	25	40	39	33	27	24
	-1750 (-8.89)	0.22 (54)	14	16	25	40	40	33	27	24

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.01 (3)	0.04 (11)	0.16 (40)	0.24 (60)
60 (1500)	0.01 (3)	0.04 (11)	0.16 (40)	0.24 (59)
84 (2100)	0.01 (3)	0.04 (10)	0.15 (38)	0.23 (57)
108 (2700)	0.01 (2)	0.04 (10)	0.15 (38)	0.22 (54)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	54	50	44	45	44	39	42	34
	+1250 (+6.35)	41	41	34	37	37	29	31	22
	+750 (+3.81)	25	27	19	25	25	15	15	12
	+375 (+1.91)	25	20	15	15	12	12	12	12
	-375 (-1.91)	25	20	15	15	12	12	12	12
	-750 (-3.81)	35	29	21	15	26	23	17	12
	-1250 (-6.35)	47	41	35	21	36	35	33	24
	-1750 (-8.89)	55	48	43	33	43	43	43	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 120	48 - 144
Metric	575-650	1450-1600	150 - 3000	1200 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.63 (157)	6	13	13	22	23	21	19	16
	+1250 (+6.35)	0.32 (80)	6	14	13	22	23	21	19	16
	+750 (+3.81)	0.12 (29)	6	15	14	23	23	21	19	16
	+375 (+1.91)	0.03 (7)	6	15	14	23	24	21	19	16
	0 (0)	0.00 (0)	6	15	15	24	24	21	19	16
	-375 (-1.91)	0.03 (7)	7	16	15	24	25	21	19	17
	-750 (-3.81)	0.12 (29)	7	16	16	24	25	21	19	17
	-1250 (-6.35)	0.32 (80)	7	17	16	25	25	21	19	17
	-1750 (-8.89)	0.63 (157)	7	18	17	25	26	21	19	17
60 (1500)	+1750 (+8.89)	0.62 (154)	7	14	15	26	27	24	20	17
	+1250 (+6.35)	0.32 (78)	7	14	16	26	28	24	21	18
	+750 (+3.81)	0.11 (28)	8	15	17	27	29	24	21	18
	+375 (+1.91)	0.03 (7)	8	15	17	27	29	24	21	18
	0 (0)	0.00 (0)	8	16	18	28	29	24	21	18
	-375 (-1.91)	0.03 (7)	8	16	18	28	30	24	21	18
	-750 (-3.81)	0.11 (28)	9	17	19	28	30	24	21	18
	-1250 (-6.35)	0.32 (78)	9	17	19	29	31	24	21	18
	-1750 (-8.89)	0.62 (154)	9	18	20	30	32	24	21	18
84 (2100)	+1750 (+8.89)	0.59 (147)	10	14	20	33	37	30	23	20
	+1250 (+6.35)	0.30 (75)	10	15	21	34	38	30	23	20
	+750 (+3.81)	0.11 (27)	11	15	22	35	39	30	23	20
	+375 (+1.91)	0.03 (7)	11	16	23	35	39	30	23	21
	0 (0)	0.00 (0)	11	16	23	36	40	30	24	21
	-375 (-1.91)	0.03 (7)	12	17	24	36	41	30	24	21
	-750 (-3.81)	0.11 (27)	12	17	25	37	41	30	24	21
	-1250 (-6.35)	0.30 (75)	13	18	26	37	42	30	24	21
	-1750 (-8.89)	0.59 (147)	13	19	27	38	43	30	24	21
108 (2700)	+1750 (+8.89)	0.57 (141)	13	15	25	41	47	36	26	23
	+1250 (+6.35)	0.29 (72)	13	15	26	42	48	36	26	23
	+750 (+3.81)	0.10 (26)	14	16	27	43	49	36	26	23
	+375 (+1.91)	0.03 (6)	14	17	28	43	50	36	26	23
	0 (0)	0.00 (0)	15	17	29	44	51	36	26	23
	-375 (-1.91)	0.03 (6)	15	18	30	44	51	36	26	24
	-750 (-3.81)	0.10 (26)	16	18	31	45	52	36	26	24
	-1250 (-6.35)	0.29 (72)	16	19	32	46	53	36	27	24
	-1750 (-8.89)	0.57 (141)	17	19	33	47	54	36	27	24

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
48 (1200)	0.03 (7)	0.12 (29)	0.32 (80)	0.63 (157)
60 (1500)	0.03 (7)	0.11 (28)	0.39 (78)	0.62 (154)
84 (2100)	0.03 (7)	0.11 (27)	0.30 (75)	0.59 (147)
108 (2700)	0.03 (6)	0.10 (26)	0.29 (72)	0.57 (141)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	69	61	57	54	53	51	55	49
	+1250 (+6.35)	56	52	46	46	45	41	44	37
	+750 (+3.81)	37	38	31	34	34	26	28	18
	+375 (+1.91)	25	20	15	18	19	12	12	12
	-375 (-1.91)	28	23	15	15	20	16	12	12
	-750 (-3.81)	45	38	32	17	34	33	29	20
	-1250 (-6.35)	57	50	45	35	45	45	45	38
	-1750 (-8.89)	65	57	54	47	52	53	56	49

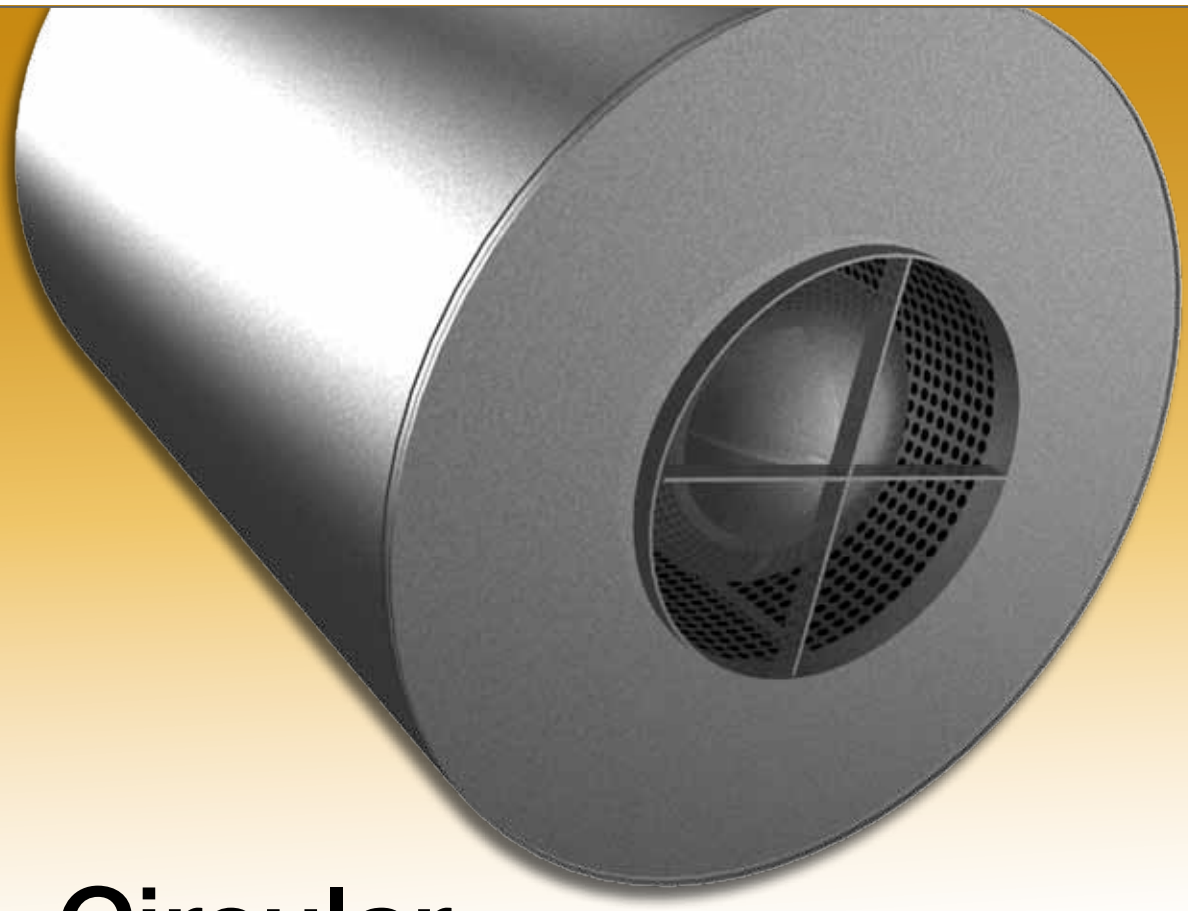
Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.



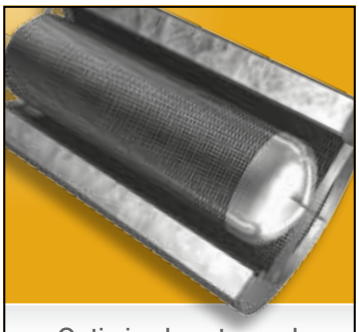
Circular

ABSORPTIVE SILENCERS

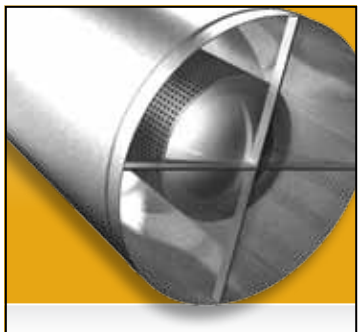
Efficient performance is achieved with circular silencers by eliminating the need for square to round transitions that cause increased system pressure drop. Price's comprehensively tested circular silencer line offers the widest range of catalog performance data and construction characteristics available in the industry.

A wide range of designs offers effective noise solutions for high velocity circular ducts.

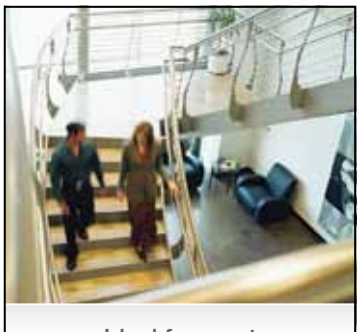
Extended casing option



Optimized center pod geometries



Pod-only designs



Ideal for most HVAC systems

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Product Information

Models

Circular Silencers

Circular Medium Velocity	**CM**
Circular High Velocity	**CH**

Price Absorptive Circular Silencers are designed to provide a practical solution for controlling duct noise in circular ductwork systems. A silencer that is the same shape and size as the ductwork eliminates the need for costly transitions, which produce turbulent air flow and increase the system pressure drop. Price circular silencers have a sleek internal geometry that is provided by locating the acoustic media outside of the air stream. The design ensures maximum acoustical performance while minimizing system pressure drops at duct velocities as high as 8000 fpm. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Eliminate costly square to round transitions.
- Smooth aerodynamic internal geometries that minimize pressure drop and turbulence.
- Highest quality leak-free construction.
- Capable of velocities as high as 8000 fpm.
- 2 in. slip connection on both ends.

CM Silencers

Price CM silencers are designed for medium velocity applications.This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sleek curved inlet and outlet of the center pod reduce turbulence and allow for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 4000 fpm or less.

CH Silencers

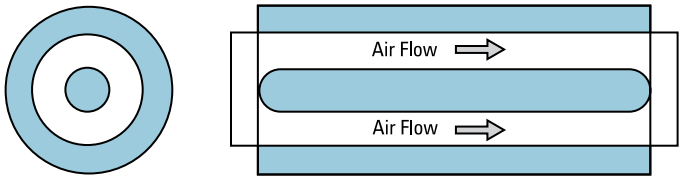
Price CH silencers are designed for high velocity applications and have no center pod in the air stream to constrict the air flow. This minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the full range of frequencies. Price CH Silencers are best suited for applications where low pressure drops are the priority or high air velocities cannot be avoided.

Recommended Air Velocity Ranges

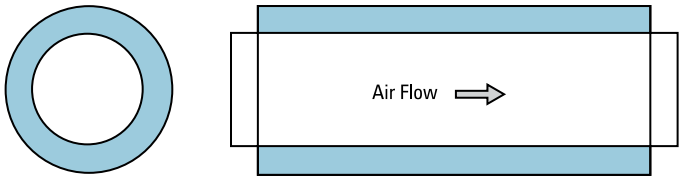
Price recommends that silencers are selected within the following duct velocity ranges:

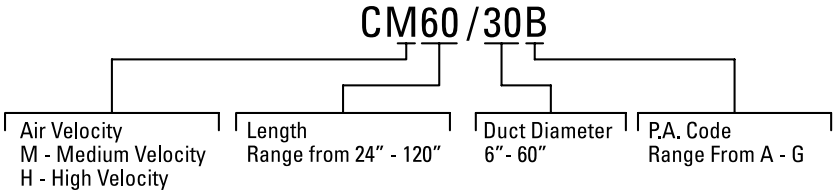
Model	Description	Air Velocity Range (fpm)
CM	Medium Velocity Silencer	0-4000
CH	High Velocity Silencer	0-8000

CM - Circular Medium Velocity



CH - Circular High Velocity





© Copyright Price Industries Limited 2014.

Product Information

Construction

Price absorptive circular silencers consist of a metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

CL3 – 16 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

SPLC – Special construction available upon request.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Dimensions

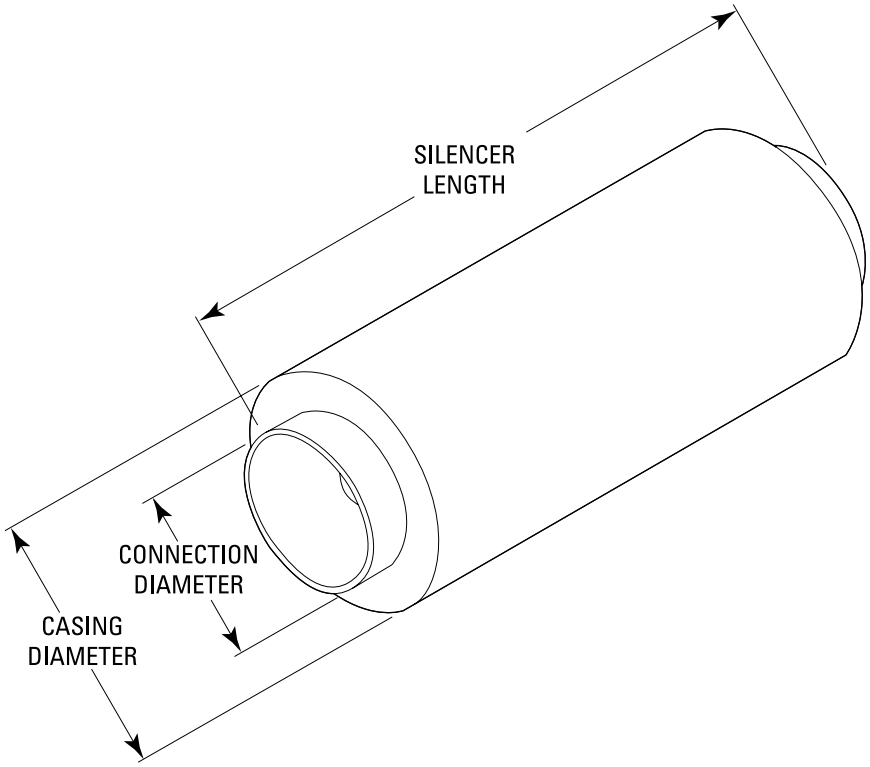
Price absorptive circular silencers are built to match the duct dimensions, therefore the diameter and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Paint
- Fiberglass Cloth
- Flanges
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.



Standard Dimension Limits

Connection Diameter		Length		Minimum Casing Gauge
Min	Max	Min	Max	
6	20	24	79	22
6	44	24	120	18
6	60	24	120	16

- All dimensions are in inches.
- Casing diameter will be 8 inches larger than the connection diameter.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/12C

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**12**	24-120
Metric	**300**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.77 (192)	4	6	15	25	39	42	34	26
	+3000 (+15.24)	0.43 (108)	3	6	16	26	39	42	35	26
	+2000 (+10.16)	0.19 (48)	3	6	16	26	39	42	34	25
	+1000 (+5.08)	0.05 (12)	3	6	17	27	41	43	34	24
	0 (0)	0.00 (0)	4	7	18	28	41	43	34	24
	-1000 (-5.08)	0.05 (12)	4	7	19	29	42	44	33	22
	-2000 (-10.16)	0.19 (48)	5	8	20	30	43	44	33	22
	-3000 (-15.24)	0.43 (108)	5	9	21	31	43	44	32	19
	-4000 (-20.32)	0.77 (192)	6	10	22	31	43	44	32	18
60 (1500)	+4000 (+20.32)	1.34 (333)	5	8	23	41	45	47	45	36
	+3000 (+15.24)	0.75 (187)	5	9	24	41	45	47	45	36
	+2000 (+10.16)	0.33 (83)	5	9	25	42	47	47	45	35
	+1000 (+5.08)	0.08 (21)	6	9	26	43	47	47	45	33
	0 (0)	0.00 (0)	6	10	28	44	47	47	45	32
	-1000 (-5.08)	0.08 (21)	7	11	29	44	48	47	45	30
	-2000 (-10.16)	0.33 (83)	7	12	30	45	48	47	44	28
	-3000 (-15.24)	0.75 (187)	8	13	31	45	48	47	44	25
	-4000 (-20.32)	1.34 (333)	9	15	32	45	48	47	44	22
84 (2100)	+4000 (+20.32)	1.90 (473)	6	10	32	55	51	52	55	47
	+3000 (+15.24)	1.07 (266)	7	11	33	55	52	52	55	46
	+2000 (+10.16)	0.48 (118)	7	12	35	55	54	52	55	44
	+1000 (+5.08)	0.12 (30)	8	13	35	55	53	51	55	42
	0 (0)	0.00 (0)	8	13	37	55	53	51	55	39
	-1000 (-5.08)	0.12 (30)	9	15	38	55	53	51	55	37
	-2000 (-10.16)	0.48 (118)	9	16	39	55	53	51	55	34
	-3000 (-15.24)	1.07 (266)	10	17	40	55	53	50	55	31
	-4000 (-20.32)	1.90 (473)	12	19	42	55	53	50	55	27
108 (2700)	+4000 (+20.32)	2.47 (614)	8	13	40	55	55	55	55	55
	+3000 (+15.24)	1.39 (345)	8	14	42	55	55	55	55	55
	+2000 (+10.16)	0.62 (153)	9	15	44	55	55	55	55	53
	+1000 (+5.08)	0.15 (38)	10	16	44	55	55	55	55	51
	0 (0)	0.00 (0)	10	17	46	55	55	55	55	47
	-1000 (-5.08)	0.15 (38)	12	19	48	55	55	55	55	44
	-2000 (-10.16)	0.62 (153)	12	20	49	55	55	54	55	40
	-3000 (-15.24)	1.39 (345)	12	20	50	55	55	53	55	37
	-4000 (-20.32)	2.47 (614)	14	24	51	55	55	53	55	32

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.05 (12)	0.19 (48)	0.43 (108)	0.77 (192)
60 (1500)	0.08 (21)	0.33 (83)	0.75 (187)	1.34 (333)
84 (2100)	0.12 (30)	0.48 (118)	1.07 (266)	1.90 (473)
108 (2700)	0.15 (38)	0.62 (153)	1.39 (345)	2.47 (614)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	57	56	53	48	48	47	45
	+3000 (+15.24)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	50	34	34	35	32	31	24	24
	+1000 (+5.08)	33	25	20	17	16	13	10	10
	-1000 (-5.08)	40	32	28	25	25	10	10	10
	-2000 (-10.16)	55	48	47	44	42	31	34	21
	-3000 (-15.24)	64	57	58	55	53	47	48	40
	-4000 (-20.32)	71	63	65	62	60	57	59	53

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/24B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**24**	24-120
Metric	**600**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.31 (78)	2	3	7	18	19	18	13	10
	+3000 (+15.24)	0.18 (44)	2	3	8	19	20	18	13	10
	+2000 (+10.16)	0.08 (19)	1	4	8	20	21	19	14	11
	+1000 (+5.08)	0.02 (5)	3	4	8	20	21	19	14	12
	0 (0)	0.00 (0)	3	5	9	21	21	18	14	10
	-1000 (-5.08)	0.02 (5)	3	5	9	21	22	19	14	11
	-2000 (-10.16)	0.08 (19)	3	6	10	22	23	19	14	11
	-3000 (-15.24)	0.18 (44)	4	6	10	22	23	19	15	12
	-4000 (-20.32)	0.31 (78)	4	7	10	23	25	19	15	12
60 (1500)	+4000 (+20.32)	0.32 (79)	3	4	13	29	34	26	18	15
	+3000 (+15.24)	0.18 (45)	3	5	13	30	35	26	18	15
	+2000 (+10.16)	0.08 (20)	3	5	14	31	35	26	18	15
	+1000 (+5.08)	0.02 (5)	3	6	14	32	35	25	18	15
	0 (0)	0.00 (0)	4	6	15	33	36	26	18	15
	-1000 (-5.08)	0.02 (5)	4	7	15	34	37	26	19	15
	-2000 (-10.16)	0.08 (20)	5	8	16	35	37	26	19	16
	-3000 (-15.24)	0.18 (45)	5	8	16	36	38	26	19	16
	-4000 (-20.32)	0.32 (79)	5	9	17	36	39	26	19	16
84 (2100)	+4000 (+20.32)	0.33 (81)	4	6	18	40	49	33	24	20
	+3000 (+15.24)	0.18 (46)	4	6	19	42	49	33	24	20
	+2000 (+10.16)	0.08 (20)	4	7	19	43	49	33	23	20
	+1000 (+5.08)	0.02 (5)	4	7	20	45	50	32	23	19
	0 (0)	0.00 (0)	5	8	21	46	51	33	23	20
	-1000 (-5.08)	0.02 (5)	6	9	22	47	51	33	23	20
	-2000 (-10.16)	0.08 (20)	6	10	22	48	52	33	23	20
	-3000 (-15.24)	0.18 (46)	6	10	23	49	53	32	23	20
	-4000 (-20.32)	0.33 (81)	6	11	24	48	53	32	23	19
108 (2700)	+4000 (+20.32)	0.33 (83)	4	7	24	51	55	40	29	25
	+3000 (+15.24)	0.19 (47)	5	8	24	53	55	40	29	25
	+2000 (+10.16)	0.08 (21)	5	8	24	55	55	40	28	24
	+1000 (+5.08)	0.02 (5)	5	8	26	55	55	39	27	23
	0 (0)	0.00 (0)	6	9	28	55	55	41	28	24
	-1000 (-5.08)	0.02 (5)	7	11	28	55	55	40	28	25
	-2000 (-10.16)	0.08 (21)	7	12	28	55	55	39	28	24
	-3000 (-15.24)	0.19 (47)	7	12	29	55	55	39	28	24
	-4000 (-20.32)	0.33 (83)	7	12	31	55	55	39	27	22

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.05 (12)	0.19 (48)	0.43 (108)	0.77 (192)
60 (1500)	0.08 (21)	0.33 (83)	0.75 (187)	1.34 (333)
84 (2100)	0.12 (30)	0.48 (118)	1.07 (266)	1.90 (473)
108 (2700)	0.15 (38)	0.62 (153)	1.39 (345)	2.47 (614)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	56	55	52	48	47	46	44
	+3000 (+15.24)	60	46	45	45	41	40	36	35
	+2000 (+10.16)	49	32	32	34	32	30	23	23
	+1000 (+5.08)	32	10	10	16	15	13	10	10
	-1000 (-5.08)	39	31	27	25	24	10	10	10
	-2000 (-10.16)	55	47	46	43	42	29	32	19
	-3000 (-15.24)	64	57	57	54	52	45	47	37
	-4000 (-20.32)	71	63	65	62	59	56	57	50

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/24E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**24**	24-120
Metric	**600**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+3000 (+15.24)	0.77 (192)	4	6	15	25	39	42	34	26
	+2000 (+10.16)	0.43 (108)	3	6	16	26	39	42	35	26
	+1000 (+5.08)	0.19 (48)	3	6	16	26	39	42	34	25
	+500 (+2.54)	0.05 (12)	3	6	17	27	41	43	34	24
	0 (0)	0.00 (0)	4	7	18	28	41	43	34	24
	-500 (-2.54)	0.05 (12)	4	7	19	29	42	44	33	22
	-1000 (-5.08)	0.19 (48)	5	8	20	30	43	44	33	22
	-2000 (-10.16)	0.43 (108)	5	9	21	31	43	44	32	19
	-3000 (-15.24)	0.77 (192)	6	10	22	31	43	44	32	18
60 (1500)	+3000 (+15.24)	1.34 (333)	5	8	23	41	45	47	45	36
	+2000 (+10.16)	0.75 (187)	5	9	24	41	45	47	45	36
	+1000 (+5.08)	0.33 (83)	5	9	25	42	47	47	45	35
	+500 (+2.54)	0.08 (21)	6	9	26	43	47	47	45	33
	0 (0)	0.00 (0)	6	10	28	44	47	47	45	32
	-500 (-2.54)	0.08 (21)	7	11	29	44	48	47	45	30
	-1000 (-5.08)	0.33 (83)	7	12	30	45	48	47	44	28
	-2000 (-10.16)	0.75 (187)	8	13	31	45	48	47	44	25
	-3000 (-15.24)	1.34 (333)	9	15	32	45	48	47	44	22
84 (2100)	+3000 (+15.24)	1.90 (473)	6	10	32	55	51	52	55	47
	+2000 (+10.16)	1.07 (266)	7	11	33	55	52	52	55	46
	+1000 (+5.08)	0.48 (118)	7	12	35	55	54	52	55	44
	+500 (+2.54)	0.12 (30)	8	13	35	55	53	51	55	42
	0 (0)	0.00 (0)	8	13	37	55	53	51	55	39
	-500 (-2.54)	0.12 (30)	9	15	38	55	53	51	55	37
	-1000 (-5.08)	0.48 (118)	9	16	39	55	53	51	55	34
	-2000 (-10.16)	1.07 (266)	10	17	40	55	53	50	55	31
	-3000 (-15.24)	1.90 (473)	12	19	42	55	53	50	55	27
108 (2700)	+3000 (+15.24)	2.47 (614)	8	13	40	55	55	55	55	55
	+2000 (+10.16)	1.39 (345)	8	14	42	55	55	55	55	55
	+1000 (+5.08)	0.62 (153)	9	15	44	55	55	55	55	53
	+500 (+2.54)	0.15 (38)	10	16	44	55	55	55	55	51
	0 (0)	0.00 (0)	10	17	46	55	55	55	55	47
	-500 (-2.54)	0.15 (38)	12	19	48	55	55	55	55	44
	-1000 (-5.08)	0.62 (153)	12	20	49	55	55	54	55	40
	-2000 (-10.16)	1.39 (345)	12	20	50	55	55	53	55	37
	-3000 (-15.24)	2.47 (614)	14	24	51	55	55	53	55	32

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.24 (60)	0.54 (135)
60 (1500)	0.02 (5)	0.07 (18)	0.29 (72)	0.65 (163)
84 (2100)	0.02 (5)	0.08 (21)	0.34 (84)	0.76 (190)
108 (2700)	0.02 (6)	0.01 (24)	0.39 (96)	0.87 (217)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+3000 (+15.24)	70	59	58	55	50	50	50	47
	+2000 (+10.16)	59	46	45	44	41	40	36	35
	+1000 (+5.08)	42	22	23	26	25	23	13	14
	+500 (+2.54)	30	25	20	15	10	10	10	10
	-500 (-2.54)	33	25	19	17	16	10	10	10
	-1000 (-5.08)	48	40	38	35	34	18	21	10
	-2000 (-10.16)	64	56	57	54	52	44	46	37
	-3000 (-15.24)	73	65	67	65	62	60	61	55

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/24G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**24**	24-120
Metric	**600**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+2000 (+10.16)	0.88 (219)	4	7	15	32	49	48	47	33
	+1500 (+7.62)	0.50 (123)	4	7	16	33	49	48	47	31
	+1000 (+5.08)	0.22 (55)	5	8	16	35	49	48	47	31
	+500 (+2.54)	0.06 (14)	5	9	17	36	49	48	47	29
	0 (0)	0.00 (0)	6	10	18	38	49	49	46	29
	-500 (-2.54)	0.06 (14)	6	11	18	39	49	49	45	27
	-1000 (-5.08)	0.22 (55)	7	12	19	40	49	49	43	26
	-1500 (-7.62)	0.50 (123)	7	12	20	42	49	49	43	24
	-2000 (-10.16)	0.88 (219)	8	14	21	42	49	49	43	25
60 (1500)	+2000 (+10.16)	1.12 (280)	6	11	26	45	51	51	50	41
	+1500 (+7.62)	0.63 (157)	7	12	26	46	51	51	50	41
	+1000 (+5.08)	0.28 (70)	7	12	27	46	51	51	50	40
	+500 (+2.54)	0.07 (17)	8	13	28	47	51	51	50	39
	0 (0)	0.00 (0)	9	14	29	48	51	51	50	39
	-500 (-2.54)	0.07 (17)	9	16	29	48	51	51	49	37
	-1000 (-5.08)	0.28 (70)	10	17	30	48	51	51	49	35
	-1500 (-7.62)	0.63 (157)	11	19	31	48	51	51	49	33
	-2000 (-10.16)	1.12 (280)	12	20	32	48	51	51	49	33
84 (2100)	+2000 (+10.16)	1.37 (340)	9	14	36	55	53	54	53	49
	+1500 (+7.62)	0.77 (191)	10	16	36	55	53	54	52	51
	+1000 (+5.08)	0.34 (85)	10	17	38	55	53	54	54	50
	+500 (+2.54)	0.09 (21)	11	18	39	55	53	54	54	49
	0 (0)	0.00 (0)	11	19	39	55	53	53	54	49
	-500 (-2.54)	0.09 (21)	12	21	40	55	53	53	54	47
	-1000 (-5.08)	0.34 (85)	14	23	41	55	53	53	55	44
	-1500 (-7.62)	0.77 (191)	15	25	42	54	53	53	55	41
	-2000 (-10.16)	1.37 (340)	16	26	43	54	53	53	55	41
108 (2700)	+2000 (+10.16)	1.61 (401)	11	18	47	55	55	55	55	55
	+1500 (+7.62)	0.91 (225)	12	20	47	55	55	55	55	55
	+1000 (+5.08)	0.40 (100)	13	21	49	55	55	55	55	55
	+500 (+2.54)	0.10 (25)	14	23	50	55	55	55	55	55
	0 (0)	0.00 (0)	14	24	50	55	55	55	55	55
	-500 (-2.54)	0.10 (25)	15	26	51	55	55	55	55	55
	-1000 (-5.08)	0.40 (100)	17	28	52	55	55	55	55	53
	-1500 (-7.62)	0.91 (225)	19	32	54	55	55	55	55	50
	-2000 (-10.16)	1.61 (401)	19	32	54	55	55	55	55	49

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.06 (14)	0.22 (55)	0.50 (123)	0.88 (219)
60 (1500)	0.07 (17)	0.28 (70)	0.63 (157)	1.12 (280)
84 (2100)	0.09 (21)	0.34 (85)	0.77 (191)	1.37 (340)
108 (2700)	0.10 (25)	0.40 (100)	0.91 (225)	1.61 (401)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+2000 (+10.16)	74	66	64	60	55	55	56	53
	+1500 (+7.62)	67	56	55	52	48	47	46	44
	+1000 (+5.08)	57	42	42	42	38	37	32	32
	+500 (+2.54)	39	25	20	24	22	20	10	11
	-500 (-2.54)	46	38	35	32	31	14	17	10
	-1000 (-5.08)	62	54	54	51	49	40	43	32
	-1500 (-7.62)	71	63	65	62	60	56	57	51
	-2000 (-10.16)	77	70	72	69	67	67	68	64

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/36B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**36**	36-120
Metric	**900**	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.25 (61)	2	3	9	13	14	9	7	6
	+3000 (+15.24)	0.14 (34)	2	3	9	13	14	9	7	6
	+2000 (+10.16)	0.06 (15)	2	3	9	13	14	9	7	7
	+1000 (+5.08)	0.02 (4)	2	3	9	13	14	9	7	7
	0 (0)	0.00 (0)	2	3	9	14	14	8	6	6
	-1000 (-5.08)	0.02 (4)	2	3	9	14	14	9	7	7
	-2000 (-10.16)	0.06 (15)	2	4	10	14	14	9	7	7
	-3000 (-15.24)	0.14 (34)	2	4	9	14	14	9	8	7
	-4000 (-20.32)	0.25 (61)	2	4	9	14	14	9	8	7
60 (1500)	+4000 (+20.32)	0.27 (66)	3	4	12	21	21	12	10	9
	+3000 (+15.24)	0.15 (37)	3	4	12	21	21	12	10	9
	+2000 (+10.16)	0.07 (17)	3	4	13	22	22	13	10	9
	+1000 (+5.08)	0.02 (4)	3	5	13	23	22	13	10	9
	0 (0)	0.00 (0)	3	4	13	23	23	12	9	9
	-1000 (-5.08)	0.02 (4)	3	5	13	24	23	12	10	10
	-2000 (-10.16)	0.07 (17)	3	5	14	25	24	12	11	10
	-3000 (-15.24)	0.15 (37)	3	5	14	25	24	11	11	10
	-4000 (-20.32)	0.27 (66)	3	5	14	25	24	11	11	10
84 (2100)	+4000 (+20.32)	0.29 (71)	3	6	16	30	29	16	13	13
	+3000 (+15.24)	0.16 (40)	3	6	16	30	29	16	13	13
	+2000 (+10.16)	0.07 (18)	3	6	16	31	30	17	13	12
	+1000 (+5.08)	0.02 (4)	4	6	17	33	31	16	13	12
	0 (0)	0.00 (0)	3	6	18	33	31	15	13	12
	-1000 (-5.08)	0.02 (4)	4	6	17	34	33	15	13	13
	-2000 (-10.16)	0.07 (18)	4	7	18	36	34	15	14	13
	-3000 (-15.24)	0.16 (40)	4	7	19	36	34	14	14	13
	-4000 (-20.32)	0.29 (71)	4	7	19	36	34	14	14	13
108 (2700)	+4000 (+20.32)	0.31 (76)	4	7	20	38	37	20	16	16
	+3000 (+15.24)	0.17 (43)	4	7	20	38	37	20	16	16
	+2000 (+10.16)	0.08 (19)	4	7	20	39	38	20	17	14
	+1000 (+5.08)	0.02 (5)	4	7	21	42	39	20	17	14
	0 (0)	0.00 (0)	4	7	22	43	40	19	16	14
	-1000 (-5.08)	0.02 (5)	4	7	21	44	42	18	17	16
	-2000 (-10.16)	0.08 (19)	5	8	21	47	44	18	17	16
	-3000 (-15.24)	0.17 (43)	5	9	24	47	44	17	17	16
	-4000 (-20.32)	0.31 (76)	5	9	24	47	44	17	17	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.14 (34)	0.25 (61)
60 (1500)	0.02 (4)	0.07 (17)	0.15 (37)	0.27 (66)
84 (2100)	0.02 (4)	0.07 (18)	0.16 (40)	0.29 (71)
108 (2700)	0.02 (5)	0.08 (19)	0.17 (43)	0.31 (76)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	69	58	57	54	50	49	48	46
	+3000 (+15.24)	62	48	47	47	43	42	38	37
	+2000 (+10.16)	51	34	34	36	34	32	25	25
	+1000 (+5.08)	34	25	20	18	17	15	12	12
	-1000 (-5.08)	41	33	29	27	26	12	12	12
	-2000 (-10.16)	57	49	48	45	44	31	34	21
	-3000 (-15.24)	66	59	59	56	54	47	49	39
	-4000 (-20.32)	73	65	67	64	61	58	59	52

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/36E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**24**	24-120
Metric	**600**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+3000 (+15.24)	0.44 (109)	3	5	11	17	20	19	13	11
	+2000 (+10.16)	0.19 (48)	3	5	11	18	21	20	13	11
	+1000 (+5.08)	0.05 (12)	3	5	11	19	21	20	13	11
	+500 (+2.54)	0.01 (2)	3	5	12	19	22	20	13	11
	0 (0)	0.00 (0)	3	6	12	20	22	20	13	11
	-500 (-2.54)	0.01 (2)	3	6	12	21	22	20	13	11
	-1000 (-5.08)	0.05 (12)	4	6	13	21	23	20	13	12
	-2000 (-10.16)	0.19 (48)	4	7	13	21	24	20	13	12
	-3000 (-15.24)	0.44 (109)	4	7	13	22	24	20	13	11
60 (1500)	+3000 (+15.24)	0.49 (121)	5	8	17	32	39	33	20	15
	+2000 (+10.16)	0.22 (54)	5	8	17	33	40	33	19	15
	+1000 (+5.08)	0.05 (13)	5	8	17	34	40	33	19	15
	+500 (+2.54)	0.01 (2)	5	8	18	34	40	33	19	15
	0 (0)	0.00 (0)	5	9	18	35	41	33	18	13
	-500 (-2.54)	0.01 (2)	5	9	19	36	42	33	19	14
	-1000 (-5.08)	0.05 (13)	6	9	19	37	41	33	19	14
	-2000 (-10.16)	0.22 (54)	6	10	19	36	41	33	19	14
	-3000 (-15.24)	0.49 (121)	6	11	20	37	41	33	18	13
84 (2100)	+3000 (+15.24)	0.53 (132)	6	10	22	46	55	47	26	19
	+2000 (+10.16)	0.24 (59)	6	11	22	47	55	47	26	19
	+1000 (+5.08)	0.05 (15)	7	11	23	48	55	46	25	19
	+500 (+2.54)	0.01 (4)	7	11	24	49	55	46	25	18
	0 (0)	0.00 (0)	7	12	24	50	55	46	24	16
	-500 (-2.54)	0.01 (4)	7	12	25	52	55	46	24	17
	-1000 (-5.08)	0.05 (15)	8	13	25	52	55	47	25	17
	-2000 (-10.16)	0.24 (59)	8	14	26	52	55	47	24	16
	-3000 (-15.24)	0.53 (132)	9	15	26	53	55	47	24	15
108 (2700)	+3000 (+15.24)	0.58 (144)	8	13	28	55	55	55	32	23
	+2000 (+10.16)	0.26 (64)	8	13	28	55	55	55	32	23
	+1000 (+5.08)	0.06 (16)	8	14	29	55	55	55	31	22
	+500 (+2.54)	0.02 (4)	9	14	30	55	55	55	31	22
	0 (0)	0.00 (0)	9	15	30	55	55	55	30	19
	-500 (-2.54)	0.02 (4)	9	15	31	55	55	55	30	20
	-1000 (-5.08)	0.06 (16)	10	16	31	55	55	55	30	20
	-2000 (-10.16)	0.26 (64)	11	18	32	55	55	55	29	19
	-3000 (-15.24)	0.58 (144)	11	19	33	55	55	55	29	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.06 (14)	0.22 (55)	0.50 (123)	0.88 (219)
60 (1500)	0.07 (17)	0.28 (70)	0.63 (157)	1.12 (280)
84 (2100)	0.09 (21)	0.34 (85)	0.77 (191)	1.37 (340)
108 (2700)	0.10 (25)	0.40 (100)	0.91 (225)	1.61 (401)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+3000 (+15.24)	72	61	60	57	52	52	52	49
	+2000 (+10.16)	61	48	47	46	43	42	38	37
	+1000 (+5.08)	44	24	25	28	27	25	15	16
	+500 (+2.54)	27	25	20	15	12	12	12	12
	-500 (-2.54)	35	27	21	19	18	12	12	12
	-1000 (-5.08)	50	42	40	37	36	20	23	12
	-2000 (-10.16)	66	58	59	56	54	46	48	39
	-3000 (-15.24)	75	67	69	67	64	62	63	57

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CM/36G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**36**	36-120
Metric	**900**	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+2000 (+10.16)	0.57 (141)	4	7	13	21	26	29	19	15
	+1500 (+7.62)	0.32 (79)	4	7	13	23	28	29	19	15
	+1000 (+5.08)	0.14 (35)	4	7	14	24	28	30	19	16
	+500 (+2.54)	0.04 (9)	4	7	15	25	29	29	18	15
	0 (0)	0 (0)	5	8	15	26	30	31	18	15
	-500 (-2.54)	0.04 (9)	5	8	15	27	30	30	18	15
	-1000 (-5.08)	0.14 (35)	5	8	15	27	31	30	18	16
	-1500 (-7.62)	0.32 (79)	6	10	17	27	32	31	19	16
	-2000 (-10.16)	0.57 (141)	6	10	17	29	33	30	18	14
60 (1500)	+2000 (+10.16)	0.64 (160)	6	11	21	41	55	52	29	20
	+1500 (+7.62)	0.36 (90)	7	11	20	43	55	52	28	20
	+1000 (+5.08)	0.16 (40)	7	12	21	44	55	52	28	20
	+500 (+2.54)	0.04 (10)	7	12	23	45	55	52	27	20
	0 (0)	0 (0)	8	13	23	46	55	53	27	17
	-500 (-2.54)	0.04 (10)	8	13	24	47	55	53	26	18
	-1000 (-5.08)	0.16 (40)	8	13	24	47	55	53	26	18
	-1500 (-7.62)	0.36 (90)	9	15	24	47	55	54	26	18
	-2000 (-10.16)	0.64 (160)	9	16	25	48	55	54	25	16
84 (2100)	+2000 (+10.16)	0.72 (178)	9	15	28	55	55	55	38	26
	+1500 (+7.62)	0.40 (100)	9	15	28	55	55	55	38	25
	+1000 (+5.08)	0.18 (45)	10	16	29	55	55	55	36	25
	+500 (+2.54)	0.04 (11)	10	16	30	55	55	55	36	24
	0 (0)	0 (0)	10	17	31	55	55	55	35	20
	-500 (-2.54)	0.04 (11)	10	17	32	55	55	55	35	21
	-1000 (-5.08)	0.18 (45)	11	18	32	55	55	55	34	21
	-1500 (-7.62)	0.40 (100)	12	21	32	55	55	55	33	19
	-2000 (-10.16)	0.72 (178)	13	22	33	55	55	55	32	17
108 (2700)	+2000 (+10.16)	0.79 (197)	11	19	36	55	55	55	47	31
	+1500 (+7.62)	0.45 (111)	11	19	36	55	55	55	47	30
	+1000 (+5.08)	0.20 (49)	12	21	37	55	55	55	45	29
	+500 (+2.54)	0.05 (12)	12	21	38	55	55	55	45	29
	0 (0)	0 (0)	13	22	39	55	55	55	43	23
	-500 (-2.54)	0.05 (12)	13	22	40	55	55	55	43	25
	-1000 (-5.08)	0.20 (49)	14	23	41	55	55	55	42	23
	-1500 (-7.62)	0.45 (111)	16	26	39	55	55	55	41	21
	-2000 (-10.16)	0.79 (197)	17	28	40	55	55	55	39	19

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.04 (9)	0.14 (35)	0.32 (79)	0.57 (141)
60 (1500)	0.04 (10)	0.16 (40)	0.36 (90)	0.64 (160)
84 (2100)	0.04 (11)	0.18 (45)	0.40 (100)	0.72 (178)
108 (2700)	0.05 (12)	0.20 (49)	0.45 (111)	0.79 (197)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+2000 (+10.16)	76	68	66	62	57	57	58	55
	+1500 (+7.62)	69	58	57	54	50	49	48	46
	+1000 (+5.08)	59	44	44	44	40	39	34	34
	+500 (+2.54)	41	25	21	26	24	22	12	13
	-500 (-2.54)	48	40	37	34	33	16	19	12
	-1000 (-5.08)	64	56	56	53	51	42	45	34
	-1500 (-7.62)	73	65	67	64	62	58	59	53
	-2000 (-10.16)	79	72	74	71	69	69	70	66

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CH/12A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**12**	12-120
Metric	**300**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+6000 (+30.48)	0.79 (197)	3	5	13	21	29	20	15	12
	+4000 (+20.32)	0.35 (87)	3	5	14	22	30	20	15	13
	+2000 (+10.16)	0.09 (22)	3	5	15	24	30	20	15	14
	+1000 (+5.08)	0.02 (5)	3	5	15	24	30	20	14	14
	0 (0)	0.00 (0)	3	5	16	25	31	20	14	14
	-1000 (-5.08)	0.02 (5)	3	5	17	25	31	20	14	14
	-2000 (-10.16)	0.09 (22)	3	6	17	26	31	20	14	12
	-4000 (-20.32)	0.35 (87)	4	7	18	27	32	19	12	10
	-6000 (-30.48)	0.79 (197)	4	7	19	27	32	18	12	9
60 (1500)	+6000 (+30.48)	1.61 (402)	4	6	20	37	44	28	21	19
	+4000 (+20.32)	0.72 (179)	4	7	20	37	44	27	20	20
	+2000 (+10.16)	0.18 (45)	4	7	22	39	43	27	19	20
	+1000 (+5.08)	0.04 (11)	5	8	22	40	44	27	19	19
	0 (0)	0.00 (0)	5	8	23	42	44	27	18	18
	-1000 (-5.08)	0.04 (11)	5	9	24	42	44	26	17	17
	-2000 (-10.16)	0.18 (45)	5	9	25	42	44	26	17	15
	-4000 (-20.32)	0.71 (179)	6	11	26	38	41	24	15	12
	-6000 (-30.48)	1.61 (402)	7	12	27	38	41	24	14	10
84 (2100)	+6000 (+30.48)	2.44 (607)	5	8	26	53	55	36	26	25
	+4000 (+20.32)	1.08 (270)	6	10	27	52	55	35	25	26
	+2000 (+10.16)	0.27 (67)	6	10	29	54	55	34	24	25
	+1000 (+5.08)	0.07 (17)	6	10	30	55	55	34	23	25
	0 (0)	0.00 (0)	6	11	31	55	55	34	22	22
	-1000 (-5.08)	0.07 (17)	7	12	31	55	55	33	21	21
	-2000 (-10.16)	0.27 (67)	7	12	33	55	55	32	19	17
	-4000 (-20.32)	1.08 (270)	8	14	34	49	50	29	18	13
	-6000 (-30.48)	2.44 (607)	9	16	35	49	50	29	17	11
108 (2700)	+6000 (+30.48)	3.26 (812)	6	10	33	55	55	44	32	32
	+4000 (+20.32)	1.45 (361)	7	12	34	55	55	42	30	32
	+2000 (+10.16)	0.36 (90)	7	12	36	55	55	41	28	31
	+1000 (+5.08)	0.09 (23)	8	13	37	55	55	40	28	30
	0 (0)	0.00 (0)	8	13	38	55	55	40	26	26
	-1000 (-5.08)	0.09 (23)	9	16	39	55	55	39	24	24
	-2000 (-10.16)	0.36 (90)	9	15	40	55	55	38	22	20
	-4000 (-20.32)	1.45 (361)	11	18	42	55	55	35	21	15
	-6000 (-30.48)	3.26 (812)	12	20	43	55	55	34	20	13

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.02 (5)	0.09 (22)	0.35 (87)	0.79 (197)
60 (1500)	0.04 (11)	0.18 (45)	0.72 (179)	1.61 (402)
84 (2100)	0.07 (17)	0.27 (67)	1.08 (270)	2.44 (607)
108 (2700)	0.09 (23)	0.36 (90)	1.45 (361)	3.26 (812)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+6000 (+30.48)	70	61	60	56	51	51	51	49
	+4000 (+20.32)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	43	24	24	27	25	23	14	16
	+1000 (+5.08)	30	25	20	15	10	10	10	10
	-1000 (-5.08)	33	25	20	18	17	10	10	10
	-2000 (-10.16)	49	41	39	36	35	20	23	10
	-4000 (-20.32)	64	57	58	55	53	47	48	40
	-6000 (-30.48)	74	66	68	66	63	62	63	58

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CH/24A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**24**	24-120
Metric	**600**	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+6000 (+30.48)	0.33 (83)	2	3	7	15	16	9	7	7
	+4000 (+20.32)	0.15 (37)	2	3	6	16	16	9	7	7
	+2000 (+10.16)	0.04 (9)	2	3	7	16	16	9	7	8
	+1000 (+5.08)	0.01 (2)	2	3	7	17	17	9	7	8
	0 (0)	0 (0)	2	4	8	17	17	9	8	9
	-1000 (-5.08)	0.01 (2)	2	4	8	18	17	9	8	8
	-2000 (-10.16)	0.04 (9)	2	4	8	18	17	10	9	9
	-4000 (-20.32)	0.15 (37)	3	5	9	19	18	11	10	11
	-6000 (-30.48)	0.33 (83)	4	6	10	20	18	13	12	12
60 (1500)	+6000 (+30.48)	0.32 (79)	2	3	12	26	22	12	10	10
	+4000 (+20.32)	0.14 (35)	2	4	12	27	22	12	10	10
	+2000 (+10.16)	0.04 (9)	3	4	13	28	22	12	11	12
	+1000 (+5.08)	0.01 (2)	3	5	13	28	22	12	11	12
	0 (0)	0.00 (0)	3	5	14	29	22	12	11	13
	-1000 (-5.08)	0.01 (2)	3	5	14	30	22	13	12	12
	-2000 (-10.16)	0.04 (9)	3	6	14	30	22	13	12	12
	-4000 (-20.32)	0.14 (35)	4	7	15	31	22	14	13	14
	-6000 (-30.48)	0.32 (79)	5	8	16	31	22	15	13	13
84 (2100)	+6000 (+30.48)	0.30 (75)	2	4	16	36	29	15	13	13
	+4000 (+20.32)	0.13 (33)	3	5	17	38	28	15	14	14
	+2000 (+10.16)	0.03 (8)	3	5	18	40	28	16	15	16
	+1000 (+5.08)	0.01 (2)	4	6	18	40	27	15	15	16
	0 (0)	0.00 (0)	4	6	19	41	27	15	15	17
	-1000 (-5.08)	0.01 (2)	4	7	20	42	27	16	15	15
	-2000 (-10.16)	0.03 (8)	4	7	20	42	26	16	15	16
	-4000 (-20.32)	0.13 (33)	5	8	22	43	26	17	16	16
	-6000 (-30.48)	0.30 (75)	6	11	23	43	26	18	15	15
108 (2700)	+6000 (+30.48)	0.28 (71)	3	5	21	46	35	18	16	17
	+4000 (+20.32)	0.13 (31)	3	6	23	49	34	19	17	18
	+2000 (+10.16)	0.03 (8)	4	6	23	52	33	19	19	21
	+1000 (+5.08)	0.01 (2)	4	7	24	52	32	19	18	21
	0 (0)	0.00 (0)	4	7	25	54	33	18	18	20
	-1000 (-5.08)	0.01 (2)	2	8	26	54	32	19	18	19
	-2000 (-10.16)	0.03 (8)	5	9	26	54	31	19	19	19
	-4000 (-20.32)	0.13 (31)	6	10	28	55	30	20	18	19
	-6000 (-30.48)	0.28 (71)	8	13	29	54	30	20	17	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.04 (9)	0.15 (37)	0.33 (83)
60 (1500)	0.01 (2)	0.04 (9)	0.14 (35)	0.32 (79)
84 (2100)	0.01 (2)	0.03 (8)	0.13 (33)	0.30 (75)
108 (2700)	0.01 (2)	0.03 (8)	0.13 (31)	0.28 (71)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+6000 (+30.48)	72	63	62	58	53	53	53	51
	+4000 (+20.32)	62	49	49	47	43	43	40	38
	+2000 (+10.16)	45	26	26	29	27	25	16	18
	+1000 (+5.08)	27	25	20	15	11	10	10	10
	-1000 (-5.08)	35	27	22	20	19	10	10	10
	-2000 (-10.16)	51	43	41	38	37	22	25	10
	-4000 (-20.32)	66	59	60	57	55	49	50	42
	-6000 (-30.48)	76	68	70	68	65	64	65	60

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CH/36A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	**36**	36-120
Metric	**900**	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+6000 (+30.48)	0.29 (72)	1	2	8	10	8	4	4	3
	+4000 (+20.32)	0.13 (32)	1	2	7	10	8	4	4	3
	+2000 (+10.16)	0.03 (8)	1	2	7	10	8	4	4	4
	+1000 (+5.08)	0.01 (2)	2	3	7	10	8	3	4	4
	0 (0)	0.00 (0)	2	3	8	10	8	3	3	5
	-1000 (-5.08)	0.01 (2)	2	3	8	10	8	4	4	4
	-2000 (-10.16)	0.03 (8)	2	3	8	10	8	4	4	4
	-4000 (-20.32)	0.13 (32)	2	3	8	10	8	4	4	4
	-6000 (-30.48)	0.29 (72)	2	3	8	10	8	4	4	4
60 (1500)	+6000 (+30.48)	0.30 (74)	2	4	11	18	13	8	7	6
	+4000 (+20.32)	0.13 (33)	2	4	11	17	13	8	7	6
	+2000 (+10.16)	0.03 (8)	2	4	11	18	13	8	7	6
	+1000 (+5.08)	0.01 (2)	2	4	11	17	13	7	7	7
	0 (0)	0.00 (0)	2	4	12	17	13	7	7	7
	-1000 (-5.08)	0.01 (2)	2	4	12	17	12	8	7	6
	-2000 (-10.16)	0.03 (8)	3	5	12	17	12	8	7	6
	-4000 (-20.32)	0.13 (33)	3	5	12	17	12	8	7	6
	-6000 (-30.48)	0.30 (74)	3	4	12	17	12	8	7	6
84 (2100)	+6000 (+30.48)	0.31 (77)	3	5	15	25	18	11	10	8
	+4000 (+20.32)	0.14 (34)	3	5	15	25	18	11	10	8
	+2000 (+10.16)	0.03 (9)	3	5	15	25	18	12	10	8
	+1000 (+5.08)	0.01 (2)	3	5	15	25	18	11	10	9
	0 (0)	0.00 (0)	3	5	16	25	18	11	10	9
	-1000 (-5.08)	0.01 (2)	3	5	16	24	17	11	10	9
	-2000 (-10.16)	0.03 (9)	4	6	16	24	16	11	11	9
	-4000 (-20.32)	0.14 (34)	4	6	16	24	16	11	10	9
	-6000 (-30.48)	0.31 (77)	4	6	16	23	16	11	10	8
108 (2700)	+6000 (+30.48)	0.32 (80)	4	6	19	33	23	15	13	10
	+4000 (+20.32)	0.14 (35)	4	6	19	32	23	15	14	11
	+2000 (+10.16)	0.04 (9)	4	6	19	33	23	15	14	10
	+1000 (+5.08)	0.01 (2)	3	6	20	32	22	15	14	12
	0 (0)	0.00 (0)	4	6	20	32	23	16	14	10
	-1000 (-5.08)	0.01 (2)	4	6	20	31	22	15	14	12
	-2000 (-10.16)	0.04 (9)	5	8	20	31	20	15	14	12
	-4000 (-20.32)	0.14 (35)	5	8	20	31	20	15	14	11
	-6000 (-30.48)	0.32 (80)	4	7	20	30	19	14	13	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.03 (8)	0.13 (32)	0.29 (72)
60 (1500)	0.01 (2)	0.03 (8)	0.13 (33)	0.30 (74)
84 (2100)	0.01 (2)	0.03 (9)	0.14 (34)	0.31 (77)
108 (2700)	0.01 (2)	0.04 (9)	0.14 (35)	0.32 (80)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+6000 (+30.48)	74	65	64	60	55	55	55	53
	+4000 (+20.32)	64	51	51	49	45	45	42	40
	+2000 (+10.16)	47	28	28	31	29	27	18	20
	+1000 (+5.08)	29	25	20	15	13	12	12	12
	-1000 (-5.08)	37	29	24	22	21	12	12	12
	-2000 (-10.16)	53	45	43	40	39	24	27	12
	-4000 (-20.32)	68	61	62	59	57	51	52	44
	-6000 (-30.48)	78	70	72	70	67	66	67	62

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Extended Casing Silencers
CMX,CHX Series

Product Overview

Models

Circular Extended Casing Silencers

Circular Medium Velocity Extended Casing **CMX**

Circular High Velocity Extended Casing **CHX**

Price Absorptive Circular Extended Casing Silencers are designed to provide a practical solution for controlling duct noise in circular ductwork systems where high insertion loss is required at lower frequencies. This is accomplished by extending the outer shell to hold additional acoustic media without requiring changes to the sleek internal geometry utilized in the standard circular silencers. The design ensures maximum acoustical performance while minimizing system pressure drops at duct velocities as high as 8000 fpm. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Eliminates costly square to round transitions.
- Smooth aerodynamic internal geometries that minimize pressure drop and turbulence.
- Highest quality leak-free construction.
- Capable of velocities as high as 8000 fpm.
- 2 in. slip connection on both ends.

CMX Silencers

Price CMX silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sleek curved inlet and outlet of the center pod reduce turbulence and allow for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 4000 fpm or less.

CHX Silencers

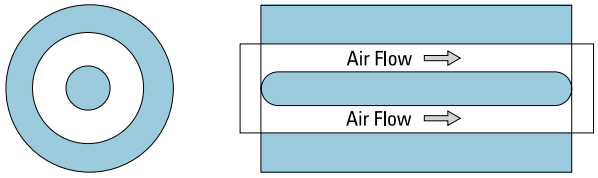
Price CHX silencers are designed for high velocity applications and have no center pod in the air stream to constrict the air flow. The design minimizes the pressure drop that can occur at higher velocities while still providing high levels of insertion loss across the full range of frequencies. The Price CHX Silencer model is best suited for applications where low pressure drops are the priority or high air velocities cannot be avoided.

Recommended Air Velocity Ranges

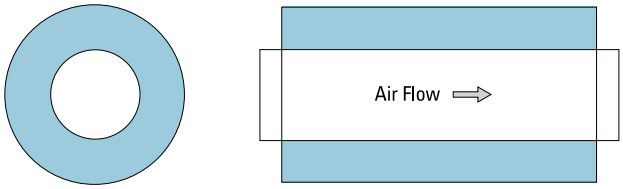
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
CM	Medium Velocity Silencer	0-4000
CH	High Velocity Silencer	0-8000

CM - Circular Medium Velocity



CH - Circular High Velocity



CMX60/30B

- Air Velocity: M - Medium Velocity; H - High Velocity
- Length: Range from 24" - 120"
- Duct Diameter: 6"- 60"
- P.A. Code: Range From A - G

NOISE CONTROL

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price absorptive circular extended casing silencers consist of an enlarged solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

CL3 – 16 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Dimensions

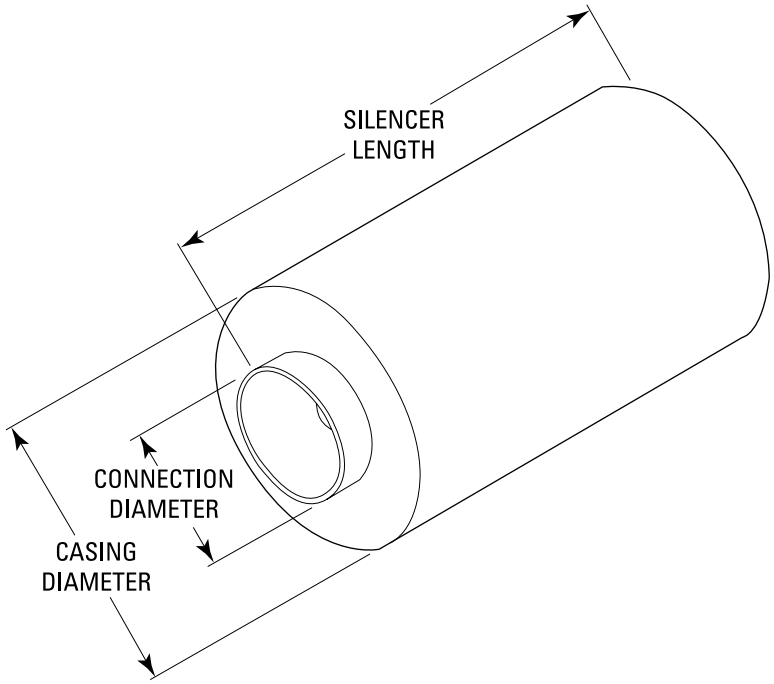
Price absorptive circular extended casing silencers are built to match the duct dimensions, therefore the diameter and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Paint
- Fiberglass Cloth
- Flanges
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.



Standard Dimension Limits

Connection Diameter		Length		Minimum Casing Gauge
Min	Max	Min	Max	
6	20	24	79	22
6	44	24	120	18
6	60	24	120	16

- All dimensions are in inches.
- Casing diameter will be 16 inches larger than the connection diameter.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/12C

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	12	24-120
Metric	300	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.77 (192)	9	14	19	24	36	41	32	26
	+3000 (+15.24)	0.43 (108)	9	15	20	25	38	41	33	25
	+2000 (+10.16)	0.19 (48)	9	15	21	26	39	42	33	25
	+1000 (+5.08)	0.05 (12)	9	16	22	27	40	42	33	24
	0 (0)	0.00 (0)	10	16	23	28	41	42	32	23
	-1000 (-5.08)	0.05 (12)	10	17	24	29	42	43	31	21
	-2000 (-10.16)	0.19 (48)	11	18	24	29	42	43	30	20
	-3000 (-15.24)	0.43 (108)	11	18	25	30	43	42	29	18
	-4000 (-20.32)	0.77 (192)	11	19	26	30	43	42	28	16
60 (1500)	+4000 (+20.32)	1.34 (333)	10	17	31	45	48	46	47	37
	+3000 (+15.24)	0.75 (187)	11	18	31	45	48	46	47	36
	+2000 (+10.16)	0.33 (83)	11	18	32	46	48	47	47	35
	+1000 (+5.08)	0.08 (21)	11	18	33	47	48	47	46	34
	0 (0)	0.00 (0)	12	18	33	47	48	47	46	33
	-1000 (-5.08)	0.08 (21)	13	19	34	48	48	47	46	31
	-2000 (-10.16)	0.33 (83)	14	20	34	48	48	47	46	29
	-3000 (-15.24)	0.75 (187)	15	21	35	46	48	46	46	26
	-4000 (-20.32)	1.34 (333)	16	22	35	46	48	46	46	24
84 (2100)	+4000 (+20.32)	1.90 (473)	12	20	43	55	55	52	55	48
	+3000 (+15.24)	1.07 (266)	12	20	42	55	55	52	55	47
	+2000 (+10.16)	0.48 (118)	13	21	43	55	55	52	55	46
	+1000 (+5.08)	0.12 (30)	13	21	44	55	55	51	55	44
	0 (0)	0.00 (0)	15	20	44	55	54	52	55	43
	-1000 (-5.08)	0.12 (30)	16	21	44	55	54	51	55	40
	-2000 (-10.16)	0.48 (118)	18	22	44	55	53	50	55	38
	-3000 (-15.24)	1.07 (266)	20	24	44	55	53	50	55	34
	-4000 (-20.32)	1.90 (473)	21	25	44	55	53	50	55	32
108 (2700)	+4000 (+20.32)	2.47 (614)	13	22	55	55	55	55	55	55
	+3000 (+15.24)	1.39 (345)	14	23	53	55	55	55	55	55
	+2000 (+10.16)	0.62 (153)	14	24	54	55	55	55	55	55
	+1000 (+5.08)	0.15 (38)	14	24	54	55	55	55	55	54
	0 (0)	0.00 (0)	17	22	54	55	55	55	55	53
	-1000 (-5.08)	0.15 (38)	20	24	55	55	55	55	55	49
	-2000 (-10.16)	0.62 (153)	22	25	54	55	55	54	55	47
	-3000 (-15.24)	1.39 (345)	24	26	54	55	55	54	55	43
	-4000 (-20.32)	2.47 (614)	26	28	52	55	55	54	55	40

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.05 (12)	0.19 (48)	0.43 (108)	0.77 (192)
60 (1500)	0.08 (21)	0.33 (83)	0.75 (187)	1.34 (333)
84 (2100)	0.12 (30)	0.48 (118)	1.07 (266)	1.90 (473)
108 (2700)	0.15 (38)	0.62 (153)	1.39 (345)	2.47 (614)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	57	56	53	48	48	47	45
	+3000 (+15.24)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	50	34	34	35	32	31	24	24
	+1000 (+5.08)	33	25	20	17	16	13	10	10
	-1000 (-5.08)	40	32	28	25	25	10	10	10
	-2000 (-10.16)	55	48	47	44	42	31	34	21
	-3000 (-15.24)	64	57	58	55	53	47	48	40
	-4000 (-20.32)	71	63	65	62	60	57	59	53

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/24B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.31 (78)	5	8	10	16	23	20	15	10
	+3000 (+15.24)	0.18 (44)	5	8	10	17	24	20	15	10
	+2000 (+10.16)	0.08 (19)	5	9	10	17	24	20	15	11
	+1000 (+5.08)	0.02 (5)	6	9	11	18	24	20	15	12
	0 (0)	0 (0)	6	11	11	18	24	20	15	10
	-1000 (-5.08)	0.02 (5)	7	11	12	19	25	21	15	11
	-2000 (-10.16)	0.08 (19)	7	12	13	20	25	21	16	11
	-3000 (-15.24)	0.18 (44)	8	13	13	20	26	21	16	12
	-4000 (-20.32)	0.31 (78)	8	13	13	21	29	21	17	12
60 (1500)	+4000 (+20.32)	0.32 (79)	7	12	17	25	33	24	17	15
	+3000 (+15.24)	0.18 (45)	8	13	18	26	34	24	17	15
	+2000 (+10.16)	0.08 (20)	8	14	18	27	35	24	17	15
	+1000 (+5.08)	0.02 (5)	9	14	19	28	35	24	17	15
	0 (0)	0 (0)	9	15	20	28	36	24	17	15
	-1000 (-5.08)	0.02 (5)	9	16	21	29	36	24	17	15
	-2000 (-10.16)	0.08 (20)	10	17	22	30	37	24	17	16
	-3000 (-15.24)	0.18 (45)	10	17	22	31	38	24	18	16
	-4000 (-20.32)	0.32 (79)	11	18	23	32	37	24	18	16
84 (2100)	+4000 (+20.32)	0.33 (81)	10	17	24	34	44	28	19	20
	+3000 (+15.24)	0.18 (46)	11	18	26	35	45	28	19	20
	+2000 (+10.16)	0.08 (20)	11	19	26	36	45	28	19	20
	+1000 (+5.08)	0.02 (5)	12	19	28	37	46	28	19	19
	0 (0)	0 (0)	12	20	29	39	47	28	19	20
	-1000 (-5.08)	0.02 (5)	12	20	30	39	48	27	19	20
	-2000 (-10.16)	0.08 (20)	13	21	31	40	48	27	19	20
	-3000 (-15.24)	0.18 (46)	13	22	32	42	49	27	19	20
	-4000 (-20.32)	0.33 (81)	14	23	33	43	45	28	19	19
108 (2700)	+4000 (+20.32)	0.33 (83)	13	22	32	43	54	32	21	25
	+3000 (+15.24)	0.19 (47)	14	23	34	44	55	32	21	25
	+2000 (+10.16)	0.08 (21)	14	24	35	46	55	32	21	24
	+1000 (+5.08)	0.02 (5)	15	24	36	47	55	32	21	23
	0 (0)	0 (0)	15	24	38	49	55	31	21	24
	-1000 (-5.08)	0.02 (5)	15	25	39	50	55	31	21	25
	-2000 (-10.16)	0.08 (21)	16	26	40	51	55	30	21	24
	-3000 (-15.24)	0.19 (47)	16	27	41	52	55	30	20	24
	-4000 (-20.32)	0.33 (83)	17	28	43	54	52	31	20	22

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (5)	0.08 (19)	0.18 (44)	0.31 (78)
60 (1500)	0.02 (5)	0.08 (20)	0.18 (45)	0.32 (79)
84 (2100)	0.02 (5)	0.08 (20)	0.18 (46)	0.33 (81)
108 (2700)	0.02 (5)	0.08 (21)	0.19 (47)	0.33 (83)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	56	55	52	48	47	46	44
	+3000 (+15.24)	60	46	45	45	41	40	36	35
	+2000 (+10.16)	49	32	32	34	32	30	23	23
	+1000 (+5.08)	32	10	10	16	15	13	10	10
	-1000 (-5.08)	39	31	27	25	24	10	10	10
	-2000 (-10.16)	55	47	46	43	42	29	32	19
	-3000 (-15.24)	64	57	57	54	52	45	47	37
	-4000 (-20.32)	71	63	65	62	59	56	57	50

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/24E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+3000 (+15.24)	0.54 (135)	6	11	14	20	32	33	20	16
	+2000 (+10.16)	0.24 (60)	7	11	15	22	34	33	20	16
	+1000 (+5.08)	0.06 (15)	8	13	16	23	36	33	20	16
	+500 (+2.54)	0.02 (4)	8	13	17	24	37	33	20	16
	0 (0)	0 (0)	12	20	36	47	53	50	32	24
	-500 (-2.54)	0.02 (4)	12	21	36	48	53	49	31	22
	-1000 (-5.08)	0.06 (15)	13	21	37	48	53	49	32	23
	-2000 (-10.16)	0.24 (60)	14	23	39	51	54	47	30	22
	-3000 (-15.24)	0.54 (135)	14	23	40	51	54	47	30	20
60 (1500)	+3000 (+15.24)	1.16 (289)	9	15	25	35	46	44	31	24
	+2000 (+10.16)	0.65 (163)	9	16	26	36	47	44	30	23
	+1000 (+5.08)	0.29 (72)	10	17	28	38	48	44	29	22
	+500 (+2.54)	0.07 (18)	10	17	29	39	48	44	29	22
	0 (0)	0 (0)	12	20	36	47	53	50	32	24
	-500 (-2.54)	0.07 (18)	12	21	36	48	53	49	31	22
	-1000 (-5.08)	0.29 (72)	13	21	37	48	53	49	32	23
	-2000 (-10.16)	0.65 (163)	14	23	39	51	54	47	30	22
	-3000 (-15.24)	1.16 (289)	14	23	40	51	54	47	30	20
84 (2100)	+3000 (+15.24)	1.36 (337)	11	19	36	49	55	55	41	32
	+2000 (+10.16)	0.76 (190)	12	20	37	50	55	55	40	31
	+1000 (+5.08)	0.34 (84)	13	21	39	53	55	55	38	29
	+500 (+2.54)	0.08 (21)	13	22	41	54	55	55	37	28
	0 (0)	0 (0)	12	20	36	47	53	50	32	24
	-500 (-2.54)	0.08 (21)	12	21	36	48	53	49	31	22
	-1000 (-5.08)	0.34 (84)	13	21	37	48	53	49	32	23
	-2000 (-10.16)	0.76 (190)	14	23	39	51	54	47	30	22
	-3000 (-15.24)	1.36 (337)	14	23	40	51	54	47	30	20
108 (2700)	+3000 (+15.24)	1.55 (386)	14	23	46	55	55	55	52	41
	+2000 (+10.16)	0.87 (217)	15	24	48	55	55	55	49	39
	+1000 (+5.08)	0.39 (96)	15	25	51	55	55	55	46	36
	+500 (+2.54)	0.10 (24)	16	27	52	55	55	55	45	34
	0 (0)	0 (0)	12	20	36	47	53	50	32	24
	-500 (-2.54)	0.10 (24)	12	21	36	48	53	49	31	22
	-1000 (-5.08)	0.39 (96)	13	21	37	48	53	49	32	23
	-2000 (-10.16)	0.87 (217)	14	23	39	51	54	47	30	22
	-3000 (-15.24)	1.55 (386)	14	23	40	51	54	47	30	20

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.24 (60)	0.54 (135)
60 (1500)	0.07 (18)	0.29 (72)	0.65 (163)	1.16 (289)
84 (2100)	0.08 (21)	0.34 (84)	0.76 (190)	1.36 (337)
108 (2700)	0.01 (24)	0.39 (96)	0.87 (217)	1.55 (386

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+3000 (+15.24)	70	59	58	55	50	50	50	47
	+2000 (+10.16)	59	46	45	44	41	40	36	35
	+1000 (+5.08)	42	22	23	26	25	23	13	14
	+500 (+2.54)	30	25	20	15	10	10	10	10
	-500 (-2.54)	33	25	19	17	16	10	10	10
	-1000 (-5.08)	48	40	38	35	34	18	21	10
	-2000 (-10.16)	64	56	57	54	52	44	46	37
	-3000 (-15.24)	73	65	67	65	62	60	61	55

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/24G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+2000 (+10.16)	0.88 (219)	8	13	23	32	47	50	46	32
	+1500 (+7.62)	0.50 (123)	8	14	24	33	47	50	46	30
	+1000 (+5.08)	0.22 (55)	9	15	26	36	47	51	46	29
	+500 (+2.54)	0.06 (14)	9	16	27	38	48	51	45	27
	0 (0)	0 (0)	10	17	29	40	47	50	45	28
	-500 (-2.54)	0.06 (14)	11	19	30	42	47	50	44	28
	-1000 (-5.08)	0.22 (55)	12	20	31	45	48	50	43	25
	-1500 (-7.62)	0.50 (123)	12	21	32	46	48	50	43	23
	-2000 (-10.16)	0.88 (219)	12	22	33	46	48	50	43	21
60 (1500)	+2000 (+10.16)	1.12 (280)	11	19	35	45	51	51	49	40
	+1500 (+7.62)	0.63 (157)	12	20	37	46	51	51	49	39
	+1000 (+5.08)	0.28 (70)	13	21	38	48	51	51	49	38
	+500 (+2.54)	0.07 (17)	13	22	39	49	51	51	49	37
	0 (0)	0 (0)	14	23	40	49	51	51	48	36
	-500 (-2.54)	0.07 (17)	15	25	41	50	51	51	48	34
	-1000 (-5.08)	0.28 (70)	16	26	41	50	50	51	48	33
	-1500 (-7.62)	0.63 (157)	17	27	42	50	50	51	48	31
	-2000 (-10.16)	1.12 (280)	18	28	43	50	50	51	48	30
84 (2100)	+2000 (+10.16)	1.37 (340)	15	25	48	55	55	52	52	47
	+1500 (+7.62)	0.77 (191)	16	26	49	55	55	51	51	48
	+1000 (+5.08)	0.34 (85)	17	28	50	55	55	51	52	48
	+500 (+2.54)	0.09 (21)	17	28	50	55	55	52	52	47
	0 (0)	0 (0)	18	29	51	55	55	52	52	45
	-500 (-2.54)	0.09 (21)	19	31	51	55	55	52	52	40
	-1000 (-5.08)	0.34 (85)	19	32	52	55	53	52	52	40
	-1500 (-7.62)	0.77 (191)	21	33	53	55	53	52	52	38
	-2000 (-10.16)	1.37 (340)	24	35	52	55	53	52	52	39
108 (2700)	+2000 (+10.16)	1.61 (401)	18	30	55	55	55	53	55	55
	+1500 (+7.62)	0.91 (225)	19	32	55	55	55	51	54	55
	+1000 (+5.08)	0.40 (100)	21	34	55	55	55	52	55	55
	+500 (+2.54)	0.10 (25)	21	34	55	55	55	52	55	55
	0 (0)	0 (0)	21	35	55	55	55	53	55	53
	-500 (-2.54)	0.10 (25)	22	37	55	55	55	53	55	47
	-1000 (-5.08)	0.40 (100)	23	38	55	55	55	53	55	47
	-1500 (-7.62)	0.91 (225)	26	40	55	55	55	53	55	46
	-2000 (-10.16)	1.61 (401)	30	42	55	55	55	53	55	48

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.06 (14)	0.22 (55)	0.50 (123)	0.88 (219)
60 (1500)	0.07 (17)	0.28 (70)	0.63 (157)	1.12 (280)
84 (2100)	0.09 (21)	0.34 (85)	0.77 (191)	1.37 (340)
108 (2700)	0.10 (25)	0.40 (100)	0.91 (225)	1.61 (401)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+2000 (+10.16)	74	66	64	60	55	55	56	53
	+1500 (+7.62)	67	56	55	52	48	47	46	44
	+1000 (+5.08)	57	42	42	42	38	37	32	32
	+500 (+2.54)	39	25	20	24	22	20	10	11
	-500 (-2.54)	46	38	35	32	31	14	17	10
	-1000 (-5.08)	62	54	54	51	49	40	43	32
	-1500 (-7.62)	71	63	65	62	60	56	57	51
	-2000 (-10.16)	77	70	72	69	67	67	68	64

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/36B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.25 (61)	3	6	8	10	13	9	5	4
	+3000 (+15.24)	0.14 (34)	3	6	8	10	13	9	5	4
	+2000 (+10.16)	0.06 (15)	4	6	8	10	13	9	5	4
	+1000 (+5.08)	0.02 (4)	4	6	8	11	13	9	5	4
	0 (0)	0.00 (0)	4	6	8	11	13	8	5	4
	-1000 (-5.08)	0.02 (4)	4	6	8	11	14	8	5	3
	-2000 (-10.16)	0.06 (15)	4	6	8	12	14	8	5	3
	-3000 (-15.24)	0.14 (34)	4	7	8	12	14	8	5	3
	-4000 (-20.32)	0.25 (61)	4	7	8	12	14	8	5	3
60 (1500)	+4000 (+20.32)	0.27 (66)	6	9	12	17	22	13	9	9
	+3000 (+15.24)	0.15 (37)	6	9	12	17	22	13	9	9
	+2000 (+10.16)	0.07 (17)	6	10	13	18	22	13	9	8
	+1000 (+5.08)	0.02 (4)	6	10	13	19	22	12	9	8
	0 (0)	0.00 (0)	6	10	13	20	22	11	9	8
	-1000 (-5.08)	0.02 (4)	7	11	14	20	23	11	9	8
	-2000 (-10.16)	0.07 (17)	6	11	14	21	24	11	9	8
	-3000 (-15.24)	0.15 (37)	7	11	15	21	23	11	9	8
	-4000 (-20.32)	0.27 (66)	7	11	15	21	23	11	9	8
84 (2100)	+4000 (+20.32)	0.29 (71)	8	13	17	25	31	16	13	13
	+3000 (+15.24)	0.16 (40)	8	13	17	25	31	16	13	13
	+2000 (+10.16)	0.07 (18)	8	14	18	26	31	16	13	12
	+1000 (+5.08)	0.02 (4)	8	13	18	27	32	16	12	12
	0 (0)	0.00 (0)	9	14	19	28	32	15	13	12
	-1000 (-5.08)	0.02 (4)	9	15	20	29	32	14	13	13
	-2000 (-10.16)	0.07 (18)	9	15	20	30	33	15	14	13
	-3000 (-15.24)	0.16 (40)	9	15	22	30	33	13	13	12
	-4000 (-20.32)	0.29 (71)	9	15	22	30	33	13	13	12
108 (2700)	+4000 (+20.32)	0.31 (76)	10	17	22	32	39	20	17	17
	+3000 (+15.24)	0.17 (43)	10	17	22	32	39	20	17	17
	+2000 (+10.16)	0.08 (19)	11	18	23	34	40	20	17	16
	+1000 (+5.08)	0.02 (5)	10	17	23	36	41	19	16	16
	0 (0)	0.00 (0)	11	18	25	37	41	18	16	17
	-1000 (-5.08)	0.02 (5)	12	20	26	38	42	17	17	17
	-2000 (-10.16)	0.08 (19)	11	19	26	39	43	18	18	18
	-3000 (-15.24)	0.17 (43)	11	19	28	39	43	16	17	17
	-4000 (-20.32)	0.31 (76)	11	19	28	39	43	16	17	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.14 (34)	0.25 (61)
60 (1500)	0.02 (4)	0.07 (17)	0.15 (37)	0.27 (66)
84 (2100)	0.02 (4)	0.07 (18)	0.16 (40)	0.29 (71)
108 (2700)	0.02 (5)	0.08 (19)	0.17 (43)	0.31 (76)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	69	58	57	54	50	49	48	46
	+3000 (+15.24)	62	48	47	47	43	42	38	37
	+2000 (+10.16)	51	34	34	36	34	32	25	25
	+1000 (+5.08)	34	25	20	18	17	15	12	12
	-1000 (-5.08)	41	33	29	27	26	12	12	12
	-2000 (-10.16)	57	49	48	45	44	31	34	21
	-3000 (-15.24)	66	59	59	56	54	47	49	39
	-4000 (-20.32)	73	65	67	64	61	58	59	52

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/36E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+3000 (+15.24)	0.44 (109)	5	8	11	14	19	20	13	10
	+2000 (+10.16)	0.19 (48)	5	8	11	15	20	20	13	10
	+1000 (+5.08)	0.05 (12)	5	8	12	16	21	21	13	10
	+500 (+2.54)	0.01 (2)	5	9	12	16	21	21	13	10
	0 (0)	0.00 (0)	6	9	12	16	21	20	12	9
	-500 (-2.54)	0.01 (2)	6	9	13	17	22	20	12	10
	-1000 (-5.08)	0.05 (12)	6	10	13	17	22	20	12	10
	-2000 (-10.16)	0.19 (48)	6	10	13	17	22	20	12	10
	-3000 (-15.24)	0.44 (109)	6	11	14	17	23	20	12	9
60 (1500)	+3000 (+15.24)	0.49 (121)	8	13	19	27	38	32	19	15
	+2000 (+10.16)	0.22 (54)	8	13	21	27	39	32	19	14
	+1000 (+5.08)	0.05 (13)	8	13	22	29	39	32	18	14
	+500 (+2.54)	0.01 (2)	8	14	22	29	40	32	18	14
	0 (0)	0.00 (0)	8	14	23	30	40	32	17	13
	-500 (-2.54)	0.01 (2)	8	14	23	31	41	32	18	14
	-1000 (-5.08)	0.05 (13)	9	15	24	31	41	32	18	14
	-2000 (-10.16)	0.22 (54)	9	15	25	31	41	32	17	13
	-3000 (-15.24)	0.49 (121)	9	16	25	31	42	32	17	12
84 (2100)	+3000 (+15.24)	0.53 (132)	10	17	28	39	55	44	25	19
	+2000 (+10.16)	0.24 (59)	10	17	30	39	55	44	24	18
	+1000 (+5.08)	0.06 (15)	11	18	31	42	55	44	24	17
	+500 (+2.54)	0.01 (4)	11	19	32	43	55	44	23	17
	0 (0)	0.00 (0)	11	19	33	44	55	44	23	17
	-500 (-2.54)	0.01 (4)	11	19	34	44	55	44	23	17
	-1000 (-5.08)	0.06 (15)	12	20	35	45	55	44	23	17
	-2000 (-10.16)	0.24 (59)	12	20	36	45	55	44	22	16
	-3000 (-15.24)	0.53 (132)	12	21	37	45	55	44	23	15
108 (2700)	+3000 (+15.24)	0.58 (144)	13	22	37	55	55	55	31	23
	+2000 (+10.16)	0.26 (64)	13	22	39	55	55	55	30	22
	+1000 (+5.08)	0.06 (16)	14	23	41	55	55	55	29	20
	+500 (+2.54)	0.02 (4)	14	23	42	55	55	55	28	20
	0 (0)	0.00 (0)	14	24	43	55	55	55	28	20
	-500 (-2.54)	0.02 (4)	14	24	45	55	55	55	28	20
	-1000 (-5.08)	0.06 (16)	15	24	46	55	55	55	28	20
	-2000 (-10.16)	0.26 (64)	15	24	48	55	55	55	27	19
	-3000 (-15.24)	0.58 (144)	15	26	48	55	55	55	28	18

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.01 (2)	0.05 (12)	0.19 (48)	0.44 (109)
60 (1500)	0.01 (2)	0.05 (13)	0.22 (54)	0.49 (121)
84 (2100)	0.01 (4)	0.06 (15)	0.24 (59)	0.53 (132)
108 (2700)	0.02 (4)	0.06 (16)	0.26 (64)	0.58 (144)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+3000 (+15.24)	72	61	60	57	52	52	52	49
	+2000 (+10.16)	61	48	47	46	43	42	38	37
	+1000 (+5.08)	44	24	25	28	27	25	15	16
	+500 (+2.54)	27	25	20	15	12	12	12	12
	-500 (-2.54)	35	27	21	19	18	12	12	12
	-1000 (-5.08)	50	42	40	37	36	20	23	12
	-2000 (-10.16)	66	58	59	56	54	46	48	39
	-3000 (-15.24)	75	67	69	67	64	62	63	57

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMX/36G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+2000 (+10.16)	0.57 (141)	6	10	14	18	25	30	21	16
	+1500 (+7.62)	0.32 (79)	6	11	15	19	26	31	20	15
	+1000 (+5.08)	0.14 (35)	6	11	15	21	28	31	21	16
	+500 (+2.54)	0.04 (9)	7	11	16	21	28	32	20	16
	0 (0)	0.00 (0)	7	12	17	22	28	31	19	15
	-500 (-2.54)	0.04 (9)	7	12	17	22	29	31	19	17
	-1000 (-5.08)	0.14 (35)	8	13	18	22	29	31	19	17
	-1500 (-7.62)	0.32 (79)	8	13	18	22	30	31	19	16
	-2000 (-10.16)	0.57 (141)	9	14	19	23	32	32	18	15
60 (1500)	+2000 (+10.16)	0.64 (160)	9	15	26	35	55	50	28	20
	+1500 (+7.62)	0.36 (90)	9	16	28	36	55	50	28	19
	+1000 (+5.08)	0.16 (40)	10	17	29	38	55	51	27	19
	+500 (+2.54)	0.04 (10)	10	17	31	39	55	51	27	18
	0 (0)	0.00 (0)	11	18	31	40	55	51	26	18
	-500 (-2.54)	0.04 (10)	10	17	32	40	55	51	25	19
	-1000 (-5.08)	0.16 (40)	11	18	34	41	55	51	25	19
	-1500 (-7.62)	0.36 (90)	11	19	34	41	55	52	25	18
	-2000 (-10.16)	0.64 (160)	12	20	35	41	55	52	25	16
84 (2100)	+2000 (+10.16)	0.72 (178)	13	21	38	55	55	55	36	25
	+1500 (+7.62)	0.40 (100)	13	21	42	55	55	55	35	23
	+1000 (+5.08)	0.18 (45)	14	23	43	55	55	55	34	22
	+500 (+2.54)	0.04 (11)	14	23	45	55	55	55	33	21
	0 (0)	0.00 (0)	14	23	46	55	55	55	33	21
	-500 (-2.54)	0.04 (11)	13	22	47	55	55	55	31	21
	-1000 (-5.08)	0.18 (45)	14	24	49	55	55	55	31	20
	-1500 (-7.62)	0.40 (100)	14	24	50	55	55	55	31	19
	-2000 (-10.16)	0.72 (178)	16	26	51	55	55	55	32	17
108 (2700)	+2000 (+10.16)	0.79 (197)	16	27	51	55	55	55	43	29
	+1500 (+7.62)	0.45 (111)	16	26	55	55	55	55	42	27
	+1000 (+5.08)	0.20 (49)	17	28	58	55	55	55	40	25
	+500 (+2.54)	0.05 (12)	18	30	59	55	55	55	40	24
	0 (0)	0.00 (0)	17	29	61	55	55	55	40	24
	-500 (-2.54)	0.05 (12)	17	28	62	55	55	55	37	23
	-1000 (-5.08)	0.20 (49)	18	29	65	55	55	55	37	22
	-1500 (-7.62)	0.45 (111)	17	29	66	55	55	55	37	21
	-2000 (-10.16)	0.79 (197)	19	32	67	55	55	55	39	18

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.04 (9)	0.14 (35)	0.32 (79)	0.57 (141)
60 (1500)	0.04 (10)	0.16 (40)	0.36 (90)	0.64 (160)
84 (2100)	0.04 (11)	0.18 (45)	0.40 (100)	0.72 (178)
108 (2700)	0.05 (12)	0.20 (49)	0.45 (111)	0.79 (197)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+2000 (+10.16)	76	68	66	62	57	57	58	55
	+1500 (+7.62)	69	58	57	54	50	49	48	46
	+1000 (+5.08)	59	44	44	44	40	39	34	34
	+500 (+2.54)	41	25	21	26	24	22	12	13
	-500 (-2.54)	48	40	37	34	33	16	19	12
	-1000 (-5.08)	64	56	56	53	51	42	45	34
	-1500 (-7.62)	73	65	67	64	62	58	59	53
	-2000 (-10.16)	79	72	74	71	69	69	70	66

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CHX/12A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	12	12-120
Metric	600	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+6000 (+30.48)	0.79 (197)	8	13	17	20	30	19	15	12
	+4000 (+20.32)	0.35 (87)	8	14	18	21	30	19	15	14
	+2000 (+10.16)	0.09 (22)	8	14	19	22	29	18	14	14
	+1000 (+5.08)	0.02 (5)	9	14	20	23	29	18	14	14
	0 (0)	0.00 (0)	9	15	20	23	29	18	14	14
	-1000 (-5.08)	0.02 (5)	9	15	21	23	29	18	14	14
	-2000 (-10.16)	0.09 (22)	10	16	21	24	29	18	13	12
	-4000 (-20.32)	0.35 (87)	10	17	22	25	30	17	12	9
	-6000 (-30.48)	0.79 (197)	11	18	23	25	30	16	11	7
60 (1500)	+6000 (+30.48)	1.61 (402)	9	15	31	36	44	29	21	19
	+4000 (+20.32)	0.72 (179)	10	16	31	38	44	28	21	20
	+2000 (+10.16)	0.18 (45)	10	16	31	39	44	28	20	20
	+1000 (+5.08)	0.04 (11)	10	17	32	40	44	28	19	19
	0 (0)	0.00 (0)	11	17	33	41	44	27	18	19
	-1000 (-5.08)	0.04 (11)	11	18	33	42	44	27	18	17
	-2000 (-10.16)	0.18 (45)	12	18	34	42	44	27	17	16
	-4000 (-20.32)	0.72 (179)	13	20	34	43	44	25	16	12
	-6000 (-30.48)	1.61 (402)	14	20	34	43	44	25	15	10
84 (2100)	+6000 (+30.48)	2.44 (607)	11	18	45	52	55	39	27	26
	+4000 (+20.32)	1.08 (270)	11	18	44	54	55	38	27	26
	+2000 (+10.16)	0.27 (67)	11	19	44	55	55	38	26	26
	+1000 (+5.08)	0.07 (17)	12	19	45	55	55	37	25	25
	0 (0)	0.00 (0)	13	19	46	55	55	36	23	23
	-1000 (-5.08)	0.07 (17)	14	20	46	55	55	36	22	21
	-2000 (-10.16)	0.27 (67)	15	19	46	55	55	35	22	19
	-4000 (-20.32)	1.08 (270)	16	22	46	55	55	34	20	15
	-6000 (-30.48)	2.44 (607)	18	22	45	55	55	34	19	14
108 (2700)	+6000 (+30.48)	3.26 (812)	12	20	55	55	55	49	34	33
	+4000 (+20.32)	1.45 (361)	12	21	55	55	55	48	33	32
	+2000 (+10.16)	0.36 (90)	13	22	55	55	55	48	32	31
	+1000 (+5.08)	0.09 (23)	13	22	55	55	55	47	31	30
	0 (0)	0.00 (0)	14	20	55	55	55	45	28	28
	-1000 (-5.08)	0.09 (23)	16	22	55	55	55	45	26	24
	-2000 (-10.16)	0.36 (90)	17	21	55	55	55	44	26	23
	-4000 (-20.32)	1.45 (361)	19	25	55	55	55	43	24	18
	-6000 (-30.48)	3.26 (812)	22	24	55	55	55	43	24	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.02 (5)	0.09 (22)	0.35 (87)	0.79 (197)
60 (1500)	0.04 (11)	0.18 (45)	0.72 (179)	1.61 (402)
84 (2100)	0.07 (17)	0.27 (67)	1.08 (270)	2.44 (607)
108 (2700)	0.09 (23)	0.36 (90)	1.45 (361)	3.26 (812)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+6000 (+30.48)	70	61	60	56	51	51	51	49
	+4000 (+20.32)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	43	24	24	27	25	23	14	16
	+1000 (+5.08)	30	25	20	15	10	10	10	10
	-1000 (-5.08)	33	25	20	18	17	10	10	10
	-2000 (-10.16)	49	41	39	36	35	20	23	10
	-4000 (-20.32)	64	57	58	55	53	47	48	40
	-6000 (-30.48)	74	66	68	66	63	62	63	58

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CHX/24A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+6000 (+30.48)	0.33 (83)	4	6	8	14	17	9	7	7
	+4000 (+20.32)	0.15 (37)	5	8	8	15	18	9	8	8
	+2000 (+10.16)	0.04 (9)	5	8	9	15	18	10	8	9
	+1000 (+5.08)	0.01 (2)	5	9	9	15	18	10	8	9
	0 (0)	0.00 (0)	6	10	9	15	18	10	8	9
	-1000 (-5.08)	0.01 (2)	6	10	10	16	18	10	8	8
	-2000 (-10.16)	0.04 (9)	6	11	10	16	18	11	9	9
	-4000 (-20.32)	0.15 (37)	6	11	11	17	18	12	10	11
	-6000 (-30.48)	0.33 (83)	7	12	11	18	19	13	11	12
60 (1500)	+6000 (+30.48)	0.32 (79)	7	11	14	21	23	12	10	10
	+4000 (+20.32)	0.14 (35)	7	12	15	22	23	12	10	11
	+2000 (+10.16)	0.04 (9)	8	13	16	23	22	12	11	12
	+1000 (+5.08)	0.01 (2)	8	14	17	24	22	12	12	13
	0 (0)	0.00 (0)	8	14	17	24	23	12	12	13
	-1000 (-5.08)	0.01 (2)	9	15	18	24	22	12	11	11
	-2000 (-10.16)	0.04 (9)	9	15	18	25	22	13	12	12
	-4000 (-20.32)	0.14 (35)	10	16	19	25	22	14	13	13
	-6000 (-30.48)	0.32 (79)	11	18	20	27	22	15	13	13
84 (2100)	+6000 (+30.48)	0.30 (75)	9	15	20	28	28	15	12	12
	+4000 (+20.32)	0.13 (33)	10	16	22	29	28	15	13	13
	+2000 (+10.16)	0.03 (8)	11	18	23	31	27	15	14	16
	+1000 (+5.08)	0.01 (2)	11	18	25	32	27	15	15	16
	0 (0)	0.00 (0)	11	19	26	33	27	15	15	17
	-1000 (-5.08)	0.01 (2)	12	19	26	33	27	15	14	14
	-2000 (-10.16)	0.03 (8)	12	20	27	34	27	15	15	15
	-4000 (-20.32)	0.13 (33)	13	22	28	34	25	16	15	16
	-6000 (-30.48)	0.30 (75)	14	23	29	35	26	17	15	15
108 (2700)	+6000 (+30.48)	0.28 (71)	12	20	26	35	34	17	15	15
	+4000 (+20.32)	0.13 (31)	12	21	29	36	33	17	16	16
	+2000 (+10.16)	0.03 (8)	14	23	31	39	32	18	18	19
	+1000 (+5.08)	0.01 (2)	14	23	32	40	32	18	18	20
	0 (0)	0.00 (0)	14	23	34	41	32	18	18	21
	-1000 (-5.08)	0.01 (2)	15	24	34	42	31	17	17	17
	-2000 (-10.16)	0.03 (8)	15	25	35	42	31	18	18	18
	-4000 (-20.32)	0.13 (31)	16	27	37	43	29	19	17	19
	-6000 (-30.48)	0.28 (71)	17	28	38	44	29	18	17	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.04 (9)	0.15 (37)	0.33 (83)
60 (1500)	0.01 (2)	0.04 (9)	0.14 (35)	0.32 (79)
84 (2100)	0.01 (2)	0.03 (8)	0.13 (33)	0.30 (75)
108 (2700)	0.01 (2)	0.03 (8)	0.13 (31)	0.28 (71)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+6000 (+30.48)	72	63	62	58	53	53	53	51
	+4000 (+20.32)	62	49	49	47	43	43	40	38
	+2000 (+10.16)	45	26	26	29	27	25	16	18
	+1000 (+5.08)	27	25	20	15	11	10	10	10
	-1000 (-5.08)	35	27	22	20	19	10	10	10
	-2000 (-10.16)	51	43	41	38	37	22	25	10
	-4000 (-20.32)	66	59	60	57	55	49	50	42
	-6000 (-30.48)	76	68	70	68	65	64	65	60

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CHX/36A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+6000 (+30.48)	0.12 (31)	3	5	6	9	8	4	3	2
	+4000 (+20.32)	0.06 (14)	3	6	6	9	8	4	3	2
	+2000 (+10.16)	0.01 (3)	3	6	6	9	8	4	2	2
	+1000 (+5.08)	0.01 (2)	3	6	6	9	8	4	2	2
	0 (0)	0.00 (0)	4	6	6	9	8	3	2	1
	-1000 (-5.08)	0.01 (2)	4	6	6	9	8	4	3	2
	-2000 (-10.16)	0.01 (3)	4	6	6	9	8	4	3	3
	-4000 (-20.32)	0.06 (14)	4	6	6	9	8	4	3	2
	-6000 (-30.48)	0.12 (31)	4	6	6	9	8	4	3	2
60 (1500)	+6000 (+30.48)	0.15 (37)	6	9	10	16	13	7	6	5
	+4000 (+20.32)	0.07 (17)	6	10	10	16	13	7	6	5
	+2000 (+10.16)	0.02 (4)	6	10	10	16	13	7	6	5
	+1000 (+5.08)	0.01 (2)	6	10	11	16	13	7	6	5
	0 (0)	0.00 (0)	6	10	11	16	13	7	6	5
	-1000 (-5.08)	0.01 (2)	6	10	11	16	12	7	6	5
	-2000 (-10.16)	0.02 (4)	6	10	11	16	12	8	7	6
	-4000 (-20.32)	0.07 (17)	6	11	11	16	12	8	6	5
	-6000 (-30.48)	0.15 (37)	6	11	11	16	12	8	6	5
84 (2100)	+6000 (+30.48)	0.17 (43)	8	13	14	23	18	11	10	9
	+4000 (+20.32)	0.08 (19)	8	14	15	23	18	11	10	8
	+2000 (+10.16)	0.02 (5)	8	14	15	23	17	11	10	8
	+1000 (+5.08)	0.01 (2)	8	14	15	23	17	11	10	9
	0 (0)	0.00 (0)	9	15	15	23	17	11	10	9
	-1000 (-5.08)	0.01 (2)	9	15	16	23	17	11	10	9
	-2000 (-10.16)	0.02 (5)	9	15	16	23	16	11	10	9
	-4000 (-20.32)	0.08 (19)	9	15	16	23	16	11	10	8
	-6000 (-30.48)	0.17 (43)	9	15	16	23	16	11	10	8
108 (2700)	+6000 (+30.48)	0.20 (49)	10	17	19	30	22	14	14	12
	+4000 (+20.32)	0.09 (22)	11	18	19	30	22	14	14	12
	+2000 (+10.16)	0.02 (5)	11	18	19	30	22	14	14	12
	+1000 (+5.08)	0.01 (1)	11	18	20	30	22	14	14	12
	0 (0)	0.00 (0)	11	19	19	30	22	15	14	13
	-1000 (-5.08)	0.01 (1)	11	19	21	30	21	14	13	12
	-2000 (-10.16)	0.02 (5)	11	19	21	30	20	15	14	12
	-4000 (-20.32)	0.09 (22)	12	20	21	30	20	14	13	11
	-6000 (-30.48)	0.20 (49)	12	20	21	30	20	14	13	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.01 (3)	0.06 (14)	0.12 (31)
60 (1500)	0.01 (2)	0.02 (4)	0.07 (17)	0.15 (37)
84 (2100)	0.01 (2)	0.02 (5)	0.08 (19)	0.17 (43)
108 (2700)	0.01 (1)	0.02 (5)	0.09 (22)	0.20 (49)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+6000 (+30.48)	74	65	64	60	55	55	55	53
	+4000 (+20.32)	64	51	51	49	45	45	42	40
	+2000 (+10.16)	47	28	28	31	29	27	18	20
	+1000 (+5.08)	29	25	20	15	13	12	12	12
	-1000 (-5.08)	37	29	24	22	21	12	12	12
	-2000 (-10.16)	53	45	43	40	39	24	27	12
	-4000 (-20.32)	68	61	62	59	57	51	52	44
	-6000 (-30.48)	78	70	72	70	67	66	67	62

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply) .
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Product Information

Models

Circular Silencers

Circular Medium Velocity Pod **CMP**

Price Absorptive Circular Silencers are designed to provide a practical solution for controlling duct noise in circular ductwork systems where limited space does not allow for an external wall. A silencer that is the same shape and size as the ductwork eliminates the need for costly transitions, which produce turbulent air flow and increase the system pressure drop. Price circular silencers have an aerodynamic center pod that ensures maximum acoustical performance while minimizing system pressure drops at duct velocities as high as 4000 fpm. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Eliminates costly square to round transitions.
- Suited for spaces with insufficient room for an external wall.
- Smooth aerodynamic internal geometries that minimize pressure drop and turbulence.
- Highest quality leak-free construction.
- Capable of velocities as high as 4000 fpm.
- 2 in. slip connection on both ends.

CMP Silencers

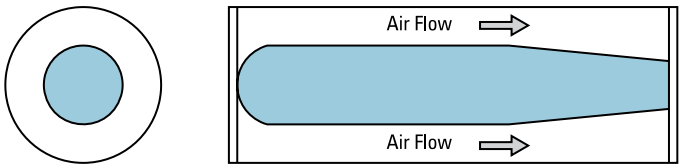
Price CMP silencers are designed for medium velocity applications.This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sleek curved inlet and outlet of the center pod reduce turbulence and allow for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 4000 fpm or less.

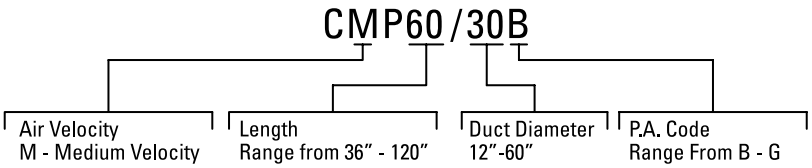
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
CMP	Medium Velocity Silencer	0-4000

CMP - Circular Medium Velocity Pod





NOISE CONTROL

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price absorptive circular silencers consist of a metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

CL3 – 16 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

SPLC – Special construction available upon request.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Dimensions

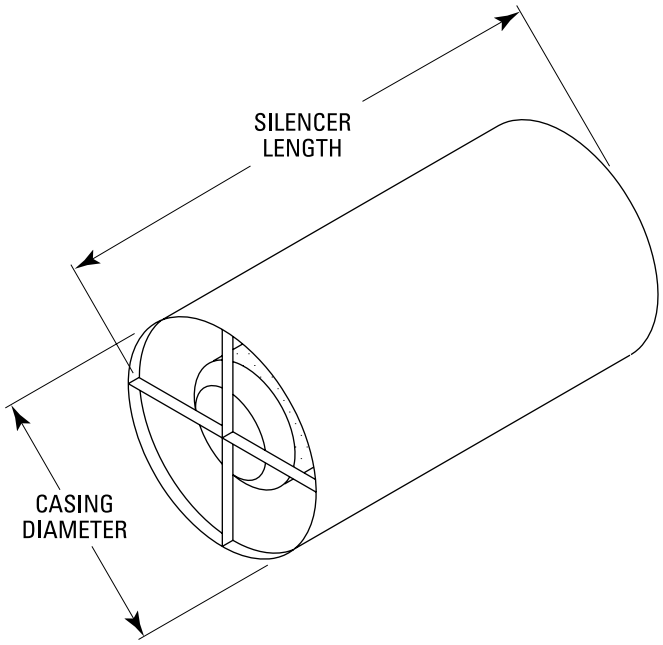
Price absorptive circular silencers are built to match the duct dimensions, therefore the diameter and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Paint
- Fiberglass Cloth
- Flanges
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.



Standard Dimension Limits

Connection Diameter		Length		Minimum Casing Gauge
Min	Max	Min	Max	
12	20	36	79	22
12	44	36	120	18
12	60	36	120	16

- All dimensions are in inches.
- Casing diameter will be equal to the connection diameter.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMP/12C

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	12	36-120
Metric	300	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.77 (192)	1	1	2	5	11	10	7	9
	+3000 (+15.24)	0.43 (108)	1	1	2	5	11	11	8	9
	+2000 (+10.16)	0.19 (48)	1	1	2	5	12	11	8	9
	+1000 (+5.08)	0.05 (12)	1	1	2	6	12	11	8	9
	0 (0)	0.00 (0)	1	1	2	6	13	11	8	9
	-1000 (-5.08)	0.05 (12)	1	1	2	6	13	11	8	8
	-2000 (-10.16)	0.19 (48)	1	1	2	6	13	11	8	8
	-3000 (-15.24)	0.43 (108)	1	1	2	7	13	11	8	8
	-4000 (-20.32)	0.77 (192)	1	1	3	7	14	11	7	8
60 (1500)	+4000 (+20.32)	1.34 (333)	1	1	3	9	18	17	9	11
	+3000 (+15.24)	0.75 (187)	1	1	3	9	18	17	9	10
	+2000 (+10.16)	0.33 (83)	1	1	3	9	19	17	9	10
	+1000 (+5.08)	0.08 (21)	1	1	3	10	20	18	10	10
	0 (0)	0.00 (0)	1	1	4	10	21	18	10	10
	-1000 (-5.08)	0.08 (21)	1	1	4	10	21	18	9	10
	-2000 (-10.16)	0.33 (83)	1	1	4	11	22	18	9	9
	-3000 (-15.24)	0.75 (187)	1	1	4	11	22	18	9	9
	-4000 (-20.32)	1.34 (333)	1	2	5	11	22	18	9	8
84 (2100)	+4000 (+20.32)	1.90 (473)	1	1	5	12	25	23	10	12
	+3000 (+15.24)	1.07 (266)	1	1	5	13	26	23	11	11
	+2000 (+10.16)	0.48 (118)	1	1	5	13	27	23	11	11
	+1000 (+5.08)	0.12 (30)	1	2	5	14	28	24	11	11
	0 (0)	0.00 (0)	1	1	5	14	29	24	11	10
	-1000 (-5.08)	0.12 (30)	1	2	5	14	30	24	11	11
	-2000 (-10.16)	0.48 (118)	1	2	5	15	30	24	11	11
	-3000 (-15.24)	1.07 (266)	1	2	6	16	31	25	11	9
	-4000 (-20.32)	1.90 (473)	1	2	6	16	30	25	11	9
108 (2700)	+4000 (+20.32)	2.47 (614)	1	1	7	16	33	30	12	13
	+3000 (+15.24)	1.39 (345)	1	2	6	17	33	29	12	12
	+2000 (+10.16)	0.62 (153)	1	1	7	17	34	30	13	12
	+1000 (+5.08)	0.15 (38)	1	2	7	18	36	31	13	12
	0 (0)	0.00 (0)	1	2	7	18	38	31	13	11
	-1000 (-5.08)	0.15 (38)	1	2	7	19	39	31	13	12
	-2000 (-10.16)	0.62 (153)	2	2	7	19	39	31	13	12
	-3000 (-15.24)	1.39 (345)	1	2	8	20	41	32	12	10
	-4000 (-20.32)	2.47 (614)	1	2	8	21	39	32	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.05 (12)	0.19 (48)	0.43 (108)	0.77 (192)
60 (1500)	0.08 (21)	0.33 (83)	0.75 (187)	1.34 (333)
84 (2100)	0.12 (30)	0.48 (118)	1.07 (266)	1.9 (473)
108 (2700)	0.15 (38)	0.62 (153)	1.39 (345)	2.47 (614)

Generated Noise

Length	Face Velocity fpm	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	57	56	53	48	48	47	45
	+3000 (+15.24)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	50	34	34	35	32	31	24	24
	+1000 (+5.08)	33	25	20	17	16	13	10	10
	-1000 (-5.08)	40	32	28	25	25	10	10	10
	-2000 (-10.16)	55	48	47	44	42	31	34	21
	-3000 (-15.24)	64	57	58	55	53	47	48	40
	-4000 (-20.32)	71	63	65	62	60	57	59	53

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMP/24F

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	36-120
Metric	600	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+4000 (+20.32)	1.86 (463)	1	3	7	10	14	14	9	8
	+3000 (+15.24)	1.05 (260)	1	3	8	10	14	14	8	8
	+2000 (+10.16)	0.46 (116)	1	3	9	11	15	13	8	8
	+1000 (+5.08)	0.12 (29)	2	3	9	12	16	13	8	8
	0 (0)	0 (0)	2	3	10	13	16	14	9	9
	-1000 (-5.08)	0.12 (29)	2	4	10	13	17	14	9	9
	-2000 (-10.16)	0.46 (116)	2	4	11	14	17	13	8	8
	-3000 (-15.24)	1.05 (260)	2	5	12	14	17	13	8	8
	-4000 (-20.32)	1.86 (463)	2	5	12	14	17	13	8	8
60 (1500)	+4000 (+20.32)	2.27 (564)	2	5	14	20	27	21	11	10
	+3000 (+15.24)	1.27 (317)	2	5	12	17	25	21	11	10
	+2000 (+10.16)	0.57 (141)	2	5	13	18	26	21	11	10
	+1000 (+5.08)	0.14 (35)	2	5	14	20	28	21	11	9
	0 (0)	0 (0)	2	5	15	21	28	21	11	10
	-1000 (-5.08)	0.14 (35)	2	6	16	22	29	20	11	10
	-2000 (-10.16)	0.57 (141)	3	6	17	22	29	20	11	10
	-3000 (-15.24)	1.27 (317)	3	7	17	23	29	20	10	9
	-4000 (-20.32)	2.27 (564)	3	8	17	23	29	20	11	9
84 (2100)	+4000 (+20.32)	2.67 (665)	2	7	21	30	40	28	13	11
	+3000 (+15.24)	1.50 (374)	2	6	16	25	36	29	14	12
	+2000 (+10.16)	0.67 (166)	2	6	18	26	37	29	13	11
	+1000 (+5.08)	0.17 (42)	2	6	19	28	39	29	13	11
	0 (0)	0 (0)	2	7	20	29	39	28	13	11
	-1000 (-5.08)	0.17 (42)	2	7	21	31	41	27	13	11
	-2000 (-10.16)	0.67 (166)	3	8	22	31	42	27	13	11
	-3000 (-15.24)	1.50 (374)	3	9	22	31	42	26	13	11
	-4000 (-20.32)	2.67 (665)	4	10	22	31	42	26	13	11
108 (2700)	+4000 (+20.32)	3.08 (766)	3	9	27	41	53	35	16	13
	+3000 (+15.24)	1.73 (431)	3	7	21	32	47	37	17	14
	+2000 (+10.16)	0.77 (192)	3	8	22	33	48	37	16	13
	+1000 (+5.08)	0.19 (48)	2	8	24	36	51	36	16	12
	0 (0)	0 (0)	2	8	25	38	51	35	16	13
	-1000 (-5.08)	0.19 (48)	2	9	26	39	53	34	15	13
	-2000 (-10.16)	0.77 (192)	4	10	28	40	54	34	15	13
	-3000 (-15.24)	1.73 (431)	4	11	27	39	54	33	15	12
	-4000 (-20.32)	3.08 (766)	5	12	27	40	54	33	15	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.12 (29)	0.46 (116)	1.05 (260)	1.86 (463)
60 (1500)	0.14 (35)	0.57 (141)	1.27 (317)	2.27 (564)
84 (2100)	0.17 (42)	0.67 (166)	1.50 (374)	2.67 (665)
108 (2700)	0.19 (48)	0.77 (192)	1.73 (431)	3.08 (766)

Generated Noise

Length	Face Velocity fpm	Generated Noise (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+4000 (+20.32)	83	78	75	69	63	63	67	63
	+3000 (+15.24)	76	68	66	61	56	56	58	54
	+2000 (+10.16)	65	54	53	51	46	46	44	42
	+1000 (+5.08)	48	30	30	33	30	29	21	22
	-1000 (-5.08)	54	46	44	42	40	27	30	16
	-2000 (-10.16)	69	62	63	60	58	53	55	48
	-3000 (-15.24)	78	71	74	71	68	69	70	66
	-4000 (-20.32)	85	78	82	79	76	80	81	79

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMP/36F

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	300	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	1.38 (343)	1	5	5	8	8	6	6	7
	+3000 (+15.24)	0.77 (193)	1	4	6	8	9	6	6	7
	+2000 (+10.16)	0.34 (86)	1	5	5	8	8	6	6	6
	+1000 (+5.08)	0.09 (21)	2	5	5	7	8	6	6	6
	0 (0)	0.00 (0)	2	5	6	8	9	7	7	7
	-1000 (-5.08)	0.09 (21)	1	6	7	9	9	7	8	8
	-2000 (-10.16)	0.34 (86)	1	6	6	9	9	7	8	8
	-3000 (-15.24)	0.77 (193)	1	6	7	9	10	8	8	9
	-4000 (-20.32)	1.38 (343)	1	6	7	9	9	7	8	9
60 (1500)	+4000 (+20.32)	1.50 (374)	3	8	11	15	17	10	8	9
	+3000 (+15.24)	0.85 (211)	3	8	11	15	17	10	8	9
	+2000 (+10.16)	0.38 (94)	3	8	11	15	17	10	9	9
	+1000 (+5.08)	0.09 (23)	3	9	12	16	17	10	9	9
	0 (0)	0.00 (0)	3	9	12	16	17	11	9	10
	-1000 (-5.08)	0.09 (23)	2	10	13	17	17	11	9	11
	-2000 (-10.16)	0.38 (94)	2	9	13	17	18	11	10	11
	-3000 (-15.24)	0.85 (211)	3	10	13	17	18	11	10	11
	-4000 (-20.32)	1.50 (374)	3	10	13	17	18	11	10	11
84 (2100)	+4000 (+20.32)	1.63 (406)	5	12	16	22	25	14	10	11
	+3000 (+15.24)	0.92 (228)	5	13	17	22	25	14	11	12
	+2000 (+10.16)	0.41 (101)	5	12	18	23	25	14	11	12
	+1000 (+5.08)	0.10 (25)	5	13	19	24	26	15	11	12
	0 (0)	0.00 (0)	5	13	19	24	26	14	11	13
	-1000 (-5.08)	0.10 (25)	5	13	19	25	26	14	11	13
	-2000 (-10.16)	0.41 (101)	5	13	19	25	26	14	12	13
	-3000 (-15.24)	0.92 (228)	5	14	20	26	26	14	12	13
	-4000 (-20.32)	1.63 (406)	5	14	20	25	26	14	12	13
108 (2700)	+4000 (+20.32)	1.76 (437)	7	15	21	29	33	18	12	14
	+3000 (+15.24)	0.99 (246)	7	17	23	30	33	18	13	14
	+2000 (+10.16)	0.44 (109)	7	15	24	31	34	18	13	15
	+1000 (+5.08)	0.11 (27)	7	17	25	32	34	19	14	16
	0 (0)	0.00 (0)	7	17	25	32	34	18	13	15
	-1000 (-5.08)	0.11 (27)	7	17	25	33	34	18	13	15
	-2000 (-10.16)	0.44 (109)	7	17	26	33	35	18	14	15
	-3000 (-15.24)	0.99 (246)	7	18	26	34	35	18	14	15
	-4000 (-20.32)	1.76 (437)	6	18	26	33	35	18	14	15

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.09 (21)	0.34 (86)	0.77 (193)	1.38 (343)
60 (1500)	0.09 (23)	0.38 (94)	0.85 (211)	1.50 (374)
84 (2100)	0.10 (25)	0.41 (101)	0.92 (228)	1.63 (406)
108 (2700)	0.11 (27)	0.44 (109)	0.99 (246)	1.76 (437)

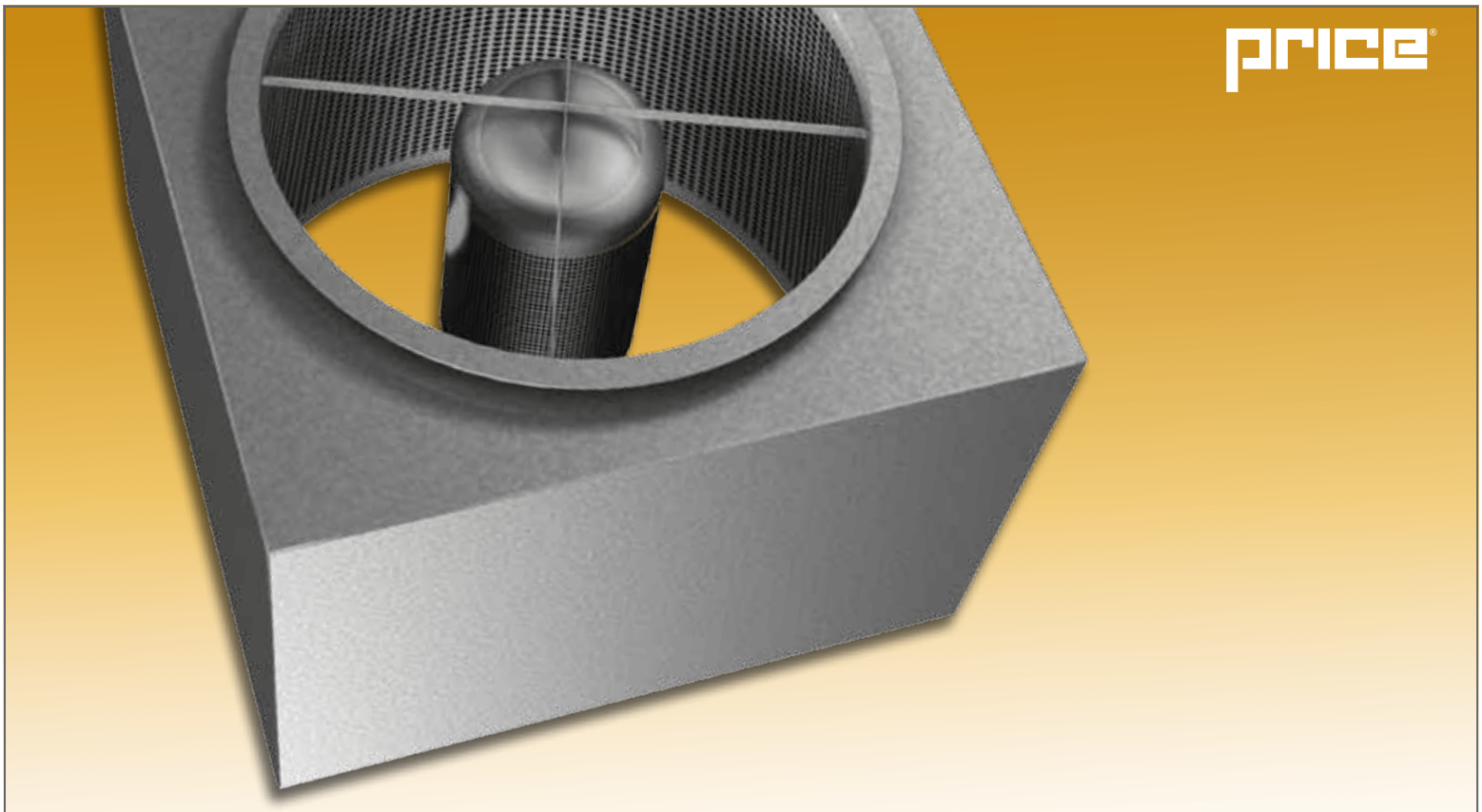
Generated Noise

Length	Face Velocity fpm	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	85	80	77	71	65	65	69	65
	+3000 (+15.24)	78	70	68	63	58	58	60	56
	+2000 (+10.16)	67	56	55	53	48	48	46	44
	+1000 (+5.08)	50	32	32	35	32	31	23	21
	-1000 (-5.08)	56	48	46	44	42	29	32	18
	-2000 (-10.16)	71	64	65	62	60	55	57	50
	-3000 (-15.24)	80	73	76	73	70	71	72	68
	-4000 (-20.32)	87	80	84	81	78	82	83	81

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

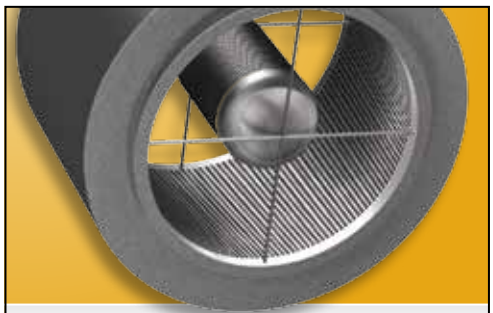


Axial Fan

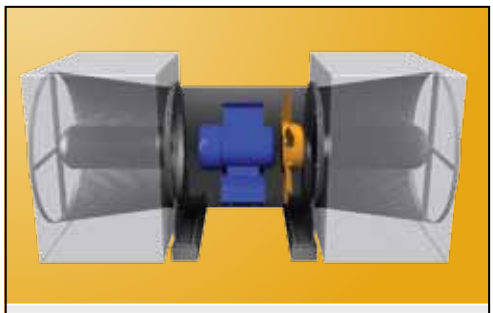
ABSORPTIVE SILENCERS

These silencers are custom designed to provide noise attenuation at the source, as well as improve aerodynamic performance at the inlet and discharge of the fan. The Price Axial Fan Silencer provides maximum static regain and a uniform velocity profile to improve system efficiency and reduce energy consumption.

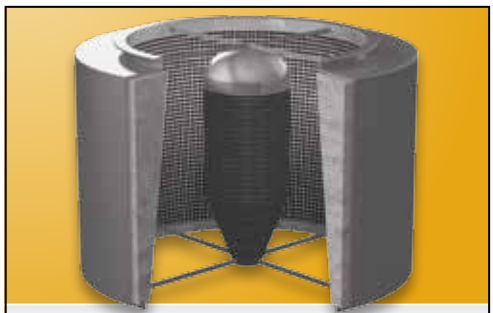
Designed to match the fan manufacturer's diameter and hub size.



Wide range of sizes to match fan dimensions



Controls the sound right at the source



Center pod is sized to reduce pressure losses over the fan hub

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Product Information

Models

Axial Fan Silencers **AFS**

Price Axial Fan Silencers are custom built for close coupling to the inlet and discharge of axial fans. These silencers are engineered to provide excellent sound attenuation at the source, and to improve the aerodynamic performance of the fan by providing maximum static regain. The axial fan pod diameter is built to match the fan hub, and provides a smooth air path that increases energy efficiency by reducing the system pressure drop. The structural integrity of the axial fan silencer design ensures reliable performance at fan velocities up to 6000 fpm. Our available standard sizes offer excellent flexibility to ductwork designs, and we have the ability to build each silencer to suit the application.

Features

- Aerodynamic design maximizes static regain.
- Center pod diameter designed to match the fan hub to minimize system pressure drop.
- Can be applied to the fan inlet and discharge for maximum attenuation and energy efficiency.
- Highest quality leak-free construction.
- Structurally designed for velocities up to 6000 fpm.
- 2 in. slip connection on both ends.

AFS Silencers

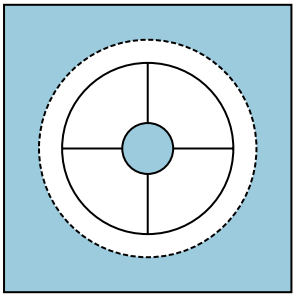
Price AFS silencers are designed for high velocity applications. This high velocity configuration provides excellent insertion loss across the full range of frequencies, and the sleek curved inlet and outlet of the center pod reduce turbulence and allow for static regain for improved pressure drop. This configuration is best suited for applications with velocities up to 6000 fpm.

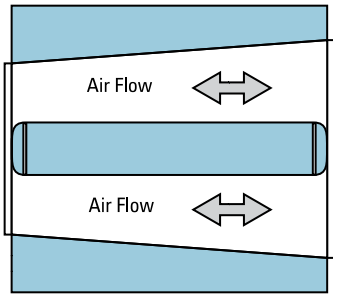
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity ranges:

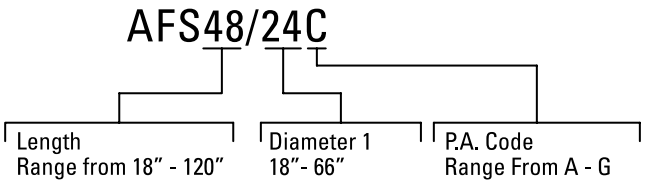
Model	Description	Air Velocity Range (fpm)
AFS	High Velocity Silencer	0-6000

AFS - Axial Fan High Velocity





*Air flow direction depends on silencer application (fan inlet or fan outlet).



© Copyright Price Industries Limited 2014.

Product Information

Construction

Price axial fan silencers consist of a metal casing, perforated metal liner, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project. The minimum classification available will depend on the diameter of the silencer.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

CL3 – 16 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

SPLC – Special construction available upon request.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Dimensions

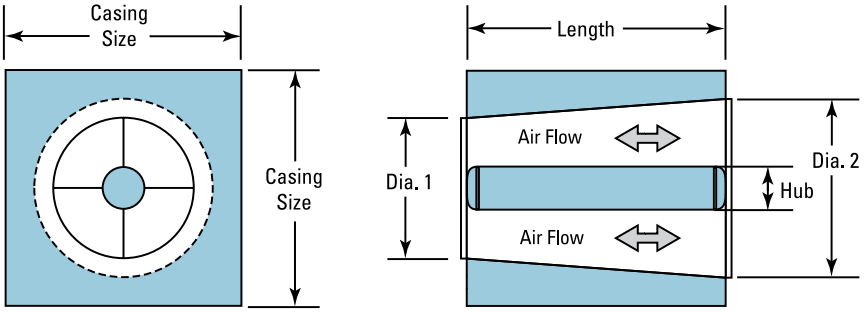
Price axial fan silencers are built to match the fan diameter and duct dimensions, therefore the diameter and length dimensions must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

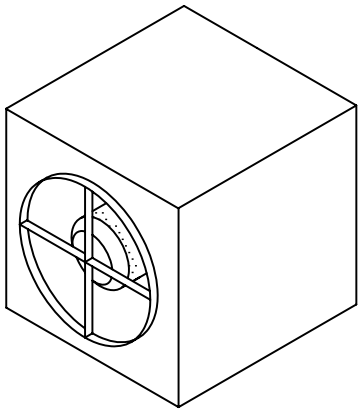
Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Paint
- Fiberglass Cloth
- Flanges
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.





Standard Dimension Limits

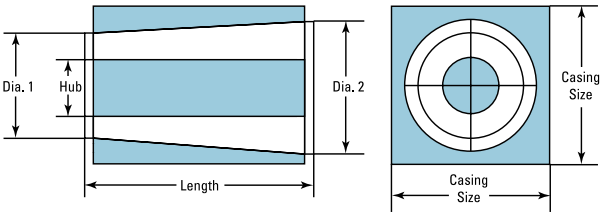
Diameter 1		Diameter 2		Length		Casing Size		Minimum Casing Gauge
Min	Max	Min	Max	Min	Max	Min	Max	
18	30	23	38	18	60	29	41	22
31	66	39	83	62	120	42	80	18

- All dimensions are in inches.
- Length is typically 1, 1.5 or 2 times Dia. 1.
- Diameter 2 =[Dia. 1 x tan(7.5)] x 2 + Dia. 1.
- Casing Size = Dia. 2 + 6.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/18

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	18	23	29	18-36
Metric	450	575	725	450-900

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
18 (450)	C	18 (450)	+4000 (+20.32)	5	10	8	11	21	22	14	10
			+2000 (+10.16)	6	10	9	12	22	22	15	10
			0 (0)	6	11	10	12	22	22	15	10
			-2000 (-10.16)	7	12	10	13	23	22	15	11
			-4000 (-20.32)	7	13	11	13	24	22	15	11
		36 (900)	+4000 (+20.32)	7	11	14	20	28	25	18	14
			+2000 (+10.16)	7	12	15	21	29	25	19	14
			0 (0)	8	13	16	22	30	25	19	14
			-2000 (-10.16)	8	14	18	23	31	25	19	15
			-4000 (-20.32)	9	15	19	23	32	25	19	15
18 (450)	E	18 (450)	+4000 (+20.32)	7	13	17	23	38	43	25	16
			+2000 (+10.16)	8	14	19	24	40	43	25	17
			0 (0)	9	15	21	25	41	43	26	18
			-2000 (-10.16)	9	17	23	26	43	43	26	18
			-4000 (-20.32)	10	18	25	27	45	43	27	19
		36 (900)	+4000 (+20.32)	8	14	21	30	40	45	31	20
			+2000 (+10.16)	9	15	23	32	42	45	32	21
			0 (0)	10	17	25	33	44	45	32	22
			-2000 (-10.16)	11	18	28	34	46	45	33	23
			-4000 (-20.32)	12	20	30	36	48	45	33	24

Pressure Drop

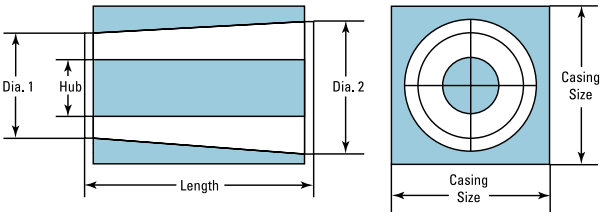
Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
18 (450)	C	18 (450)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		36 (900)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
18 (450)	E	18 (450)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		36 (900)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/21

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	21	27	33	21-42
Metric	525	675	825	525-1050

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
21 (525)	C	21 (525)	+4000 (+20.32)	4	7	5	11	16	18	13	6
			+2000 (+10.16)	4	7	5	11	16	18	13	7
			0 (0)	5	8	6	12	17	18	13	7
			-2000 (-10.16)	5	8	6	12	18	18	14	8
			-4000 (-20.32)	5	9	7	13	18	18	14	8
		42 (1050)	+4000 (+20.32)	6	10	12	19	25	21	15	11
			+2000 (+10.16)	7	11	13	20	26	21	15	11
			0 (0)	7	12	14	21	27	21	15	11
			-2000 (-10.16)	8	13	14	21	28	21	15	12
			-4000 (-20.32)	8	13	15	22	29	21	16	12
21 (525)	D	21 (525)	+4000 (+20.32)	6	10	12	21	26	27	18	11
			+2000 (+10.16)	6	11	14	21	27	27	19	12
			0 (0)	7	11	15	22	28	27	19	12
			-2000 (-10.16)	7	12	16	23	29	27	19	13
			-4000 (-20.32)	8	13	17	24	30	27	19	13
		42 (1050)	+4000 (+20.32)	7	12	17	26	32	30	20	14
			+2000 (+10.16)	8	13	19	27	33	30	20	15
			0 (0)	9	14	20	29	35	30	20	15
			-2000 (-10.16)	9	15	22	30	36	30	21	16
			-4000 (-20.32)	10	17	23	31	37	30	21	16
21 (525)	E	21 (525)	+4000 (+20.32)	8	13	20	31	36	38	24	16
			+2000 (+10.16)	9	14	22	33	38	38	25	17
			0 (0)	9	16	25	34	40	38	25	18
			-2000 (-10.16)	10	17	27	36	41	38	26	18
			-4000 (-20.32)	11	19	29	37	43	38	26	19
		42 (1050)	+4000 (+20.32)	9	14	23	34	40	39	25	18
			+2000 (+10.16)	9	16	25	36	42	39	26	19
			0 (0)	10	17	27	37	43	39	26	19
			-2000 (-10.16)	11	19	30	39	45	39	26	20
			-4000 (-20.32)	12	20	33	41	47	39	26	20

Pressure Drop

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
21 (525)	C	21 (525)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		42 (1050)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
21 (525)	D	21 (525)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		42 (1050)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
21 (525)	E	21 (525)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		42 (1050)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

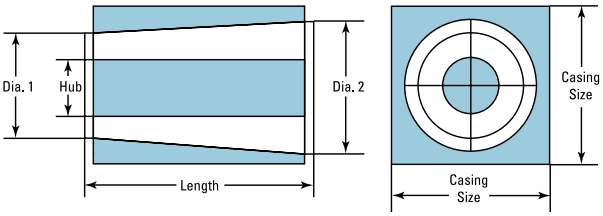
Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/24

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	24	30	36	24-48
Metric	600	750	900	600-1200

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
24 (600)	C	24 (600)	+4000 (+20.32)	3	5	5	9	13	13	8	4
			+2000 (+10.16)	4	6	6	10	13	13	8	4
			0 (0)	4	6	6	10	14	13	8	5
			-2000 (-10.16)	4	7	6	10	14	13	8	5
			-4000 (-20.32)	4	7	7	11	14	13	9	5
		48 (1200)	+4000 (+20.32)	6	9	11	18	22	16	11	9
			+2000 (+10.16)	6	10	12	19	23	16	11	9
			0 (0)	6	11	13	19	24	16	11	9
			-2000 (-10.16)	7	11	14	20	25	16	11	9
			-4000 (-20.32)	7	12	15	21	25	16	11	10
24 (600)	D	24 (600)	+4000 (+20.32)	4	7	9	14	18	18	12	7
			+2000 (+10.16)	5	8	10	15	18	18	12	8
			0 (0)	5	8	11	15	19	18	12	8
			-2000 (-10.16)	5	9	11	16	20	18	12	8
			-4000 (-20.32)	6	10	12	17	21	18	12	9
		48 (1200)	+4000 (+20.32)	6	10	15	22	27	22	15	11
			+2000 (+10.16)	7	11	16	23	28	22	15	11
			0 (0)	7	12	17	24	29	22	15	12
			-2000 (-10.16)	8	13	19	25	30	22	15	12
			-4000 (-20.32)	8	14	20	26	31	22	15	12
24 (600)	E	24 (600)	+4000 (+20.32)	5	9	13	20	23	25	16	11
			+2000 (+10.16)	6	10	14	21	24	25	16	11
			0 (0)	7	11	16	22	25	25	16	12
			-2000 (-10.16)	7	12	17	23	27	25	16	12
			-4000 (-20.32)	8	13	19	23	28	25	16	12
		48 (1200)	+4000 (+20.32)	7	12	18	27	32	30	19	14
			+2000 (+10.16)	8	13	20	28	34	30	19	14
			0 (0)	8	14	22	29	35	30	19	14
			-2000 (-10.16)	9	15	24	31	37	30	19	15
			-4000 (-20.32)	10	17	26	32	38	30	19	15

Pressure Drop

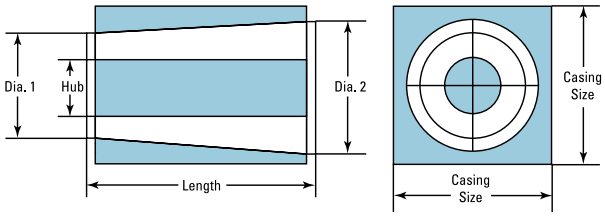
Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
24 (600)	C	24 (600)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		48 (1200)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
24 (600)	D	24 (600)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		48 (1200)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
24 (600)	E	24 (600)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		48 (1200)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/28

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	28	35	41	28-56
Metric	700	875	1025	700-1400

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
28 (700)	C	28 (700)	+4000 (+20.32)	2	4	10	15	16	12	9	8
			+2000 (+10.16)	2	5	10	16	16	12	9	8
			0 (0)	2	5	11	16	17	12	9	8
			-2000 (-10.16)	2	5	12	17	18	12	9	8
			-4000 (-20.32)	3	6	13	18	18	12	9	8
		56 (1400)	+4000 (+20.32)	3	7	16	26	26	18	11	7
			+2000 (+10.16)	4	7	17	27	27	18	11	8
			0 (0)	4	8	18	28	28	18	12	8
			-2000 (-10.16)	4	8	20	29	29	18	12	8
			-4000 (-20.32)	4	9	21	30	29	18	12	8
28 (700)	D	28 (700)	+4000 (+20.32)	3	6	12	18	20	15	11	9
			+2000 (+10.16)	3	6	13	19	21	15	11	9
			0 (0)	3	7	14	20	22	15	11	9
			-2000 (-10.16)	3	7	15	21	23	15	11	9
			-4000 (-20.32)	4	8	16	21	24	15	11	10
		56 (1400)	+4000 (+20.32)	4	9	19	30	30	24	14	8
			+2000 (+10.16)	5	10	21	31	31	24	14	9
			0 (0)	5	10	22	32	32	24	14	9
			-2000 (-10.16)	6	11	24	34	33	24	15	10
			-4000 (-20.32)	6	12	26	35	34	24	15	10
28 (700)	E	28 (700)	+4000 (+20.32)	3	7	13	20	22	16	11	9
			+2000 (+10.16)	3	7	15	21	23	16	11	9
			0 (0)	4	8	16	22	24	16	11	9
			-2000 (-10.16)	4	9	18	23	25	16	11	10
			-4000 (-20.32)	4	10	19	24	27	16	12	10
		56 (1400)	+4000 (+20.32)	5	10	20	32	35	31	19	11
			+2000 (+10.16)	6	11	22	33	36	31	19	12
			0 (0)	6	12	25	35	38	31	20	12
			-2000 (-10.16)	7	13	27	36	40	31	20	13
			-4000 (-20.32)	8	15	29	38	42	31	20	14

Pressure Drop

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
28 (700)	C	28 (700)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		56 (1400)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
28 (700)	D	28 (700)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		56 (1400)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
28 (700)	E	28 (700)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		56 (1400)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

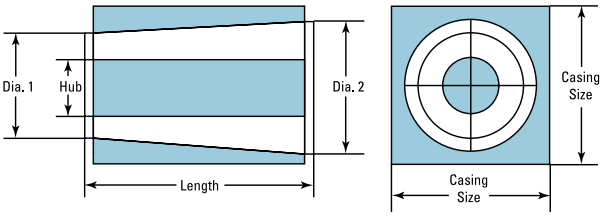
Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/32

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	32	40	46	32-64
Metric	800	1000	1150	800-1600

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
32 (800)	C	32 (800)	+4000 (+20.32)	2	5	11	17	15	11	8	9
			+2000 (+10.16)	3	6	12	17	15	11	8	9
			0 (0)	3	6	13	18	16	11	8	8
			-2000 (-10.16)	3	6	14	19	16	11	8	8
			-4000 (-20.32)	3	7	15	19	17	11	8	8
		64 (1600)	+4000 (+20.32)	4	9	19	30	30	24	14	8
			+2000 (+10.16)	5	10	21	31	31	24	14	9
			0 (0)	5	10	22	32	32	24	14	9
			-2000 (-10.16)	6	11	24	33	33	24	15	10
			-4000 (-20.32)	6	12	25	35	34	24	15	10
32 (800)	D	32 (800)	+4000 (+20.32)	3	6	13	20	19	15	10	9
			+2000 (+10.16)	4	7	14	20	20	15	10	9
			0 (0)	4	8	16	21	21	15	10	9
			-2000 (-10.16)	4	8	17	22	21	15	10	9
			-4000 (-20.32)	5	9	18	23	22	15	10	9
		64 (1600)	+4000 (+20.32)	4	9	20	32	27	19	11	6
			+2000 (+10.16)	5	10	21	34	28	19	11	7
			0 (0)	5	11	23	35	29	19	12	7
			-2000 (-10.16)	6	12	25	36	30	19	12	7
			-4000 (-20.32)	6	12	27	38	31	19	12	8
32 (800)	E	32 (800)	+4000 (+20.32)	4	7	15	22	22	17	11	9
			+2000 (+10.16)	4	8	16	23	23	17	11	9
			0 (0)	5	9	18	24	24	17	11	9
			-2000 (-10.16)	5	10	19	25	25	17	11	9
			-4000 (-20.32)	6	10	21	26	26	17	11	9
		64 (1600)	+4000 (+20.32)	7	11	21	31	34	30	18	12
			+2000 (+10.16)	7	12	23	32	36	30	18	13
			0 (0)	8	13	25	34	38	30	18	13
			-2000 (-10.16)	9	14	27	35	39	30	18	13
			-4000 (-20.32)	9	15	29	37	41	30	18	14

Pressure Drop

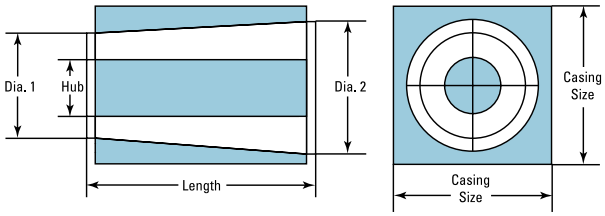
Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
32 (800)	C	24 (600)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		48 (1200)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
32 (800)	D	24 (600)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		48 (1200)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
32 (800)	E	24 (600)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		48 (1200)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/36

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	36	45	51	36-72
Metric	900	1125	1275	900-1800

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (90)	C	36 (900)	+4000 (+20.32)	3	5	11	16	14	11	8	8
			+2000 (+10.16)	3	6	12	17	15	11	8	8
			0 (0)	3	6	13	17	15	11	8	8
			-2000 (-10.16)	3	7	14	18	16	11	8	8
			-4000 (-20.32)	3	7	15	19	17	11	8	8
		72 (1800)	+4000 (+20.32)	4	10	20	28	25	17	11	8
			+2000 (+10.16)	5	10	21	29	26	17	11	9
			0 (0)	5	11	22	30	27	17	11	9
			-2000 (-10.16)	5	12	24	31	28	17	11	9
			-4000 (-20.32)	6	13	26	32	29	17	11	9
36 (90)	D	36 (900)	+4000 (+20.32)	3	7	13	19	18	14	10	9
			+2000 (+10.16)	4	7	14	20	19	14	10	9
			0 (0)	4	8	16	21	20	14	10	9
			-2000 (-10.16)	4	8	17	22	21	14	10	9
			-4000 (-20.32)	5	9	18	23	22	14	10	9
		72 (1800)	+4000 (+20.32)	6	11	23	33	31	21	13	9
			+2000 (+10.16)	6	12	25	35	32	21	13	9
			0 (0)	7	13	27	36	33	21	13	9
			-2000 (-10.16)	7	14	29	38	34	21	13	10
			-4000 (-20.32)	8	15	31	39	36	21	13	10
36 (90)	E	36 (900)	+4000 (+20.32)	4	7	15	22	21	17	11	9
			+2000 (+10.16)	4	8	16	23	22	17	11	9
			0 (0)	5	9	18	24	23	17	11	9
			-2000 (-10.16)	5	10	19	25	24	17	11	9
			-4000 (-20.32)	6	11	21	26	25	17	11	10
		72 (1800)	+4000 (+20.32)	7	12	23	33	34	26	15	11
			+2000 (+10.16)	7	13	25	35	35	26	15	11
			0 (0)	8	14	28	36	37	26	16	12
			-2000 (-10.16)	9	15	30	38	38	26	16	12
			-4000 (-20.32)	9	17	29	39	40	26	16	12

Pressure Drop

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
36 (900)	C	36 (900)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		72 (1800)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
36 (900)	D	36 (900)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		72 (1800)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
36 (900)	E	36 (900)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		72 (1800)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

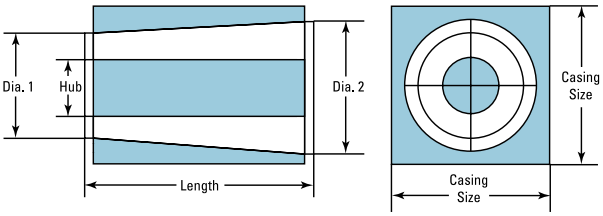
Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/42

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	42	53	59	42-84
Metric	1050	1325	1475	1050-2100

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
42 (1050)	C	42 (1050)	+4000 (+20.32)	3	7	12	17	15	11	9	7
			+2000 (+10.16)	3	7	13	18	16	11	9	7
			0 (0)	3	8	14	19	16	11	9	7
			-2000 (-10.16)	4	8	15	19	17	11	9	7
			-4000 (-20.32)	4	9	16	20	18	11	9	7
		84 (2100)	+4000 (+20.32)	6	11	21	30	26	18	11	8
			+2000 (+10.16)	6	12	23	31	27	18	11	8
			0 (0)	7	13	25	32	28	18	11	8
			-2000 (-10.16)	7	14	26	33	29	18	11	9
			-4000 (-20.32)	8	15	28	34	30	18	11	9
42 (1050)	D	42 (1050)	+4000 (+20.32)	4	8	15	21	20	15	11	8
			+2000 (+10.16)	4	8	16	22	20	15	11	9
			0 (0)	5	9	17	23	21	15	11	9
			-2000 (-10.16)	5	10	18	23	22	15	11	9
			-4000 (-20.32)	5	11	20	24	23	15	11	9
		84 (2100)	+4000 (+20.32)	8	14	24	34	34	24	14	10
			+2000 (+10.16)	8	15	26	36	35	24	14	10
			0 (0)	9	16	29	37	37	24	15	11
			-2000 (-10.16)	10	17	31	38	38	24	15	11
			-4000 (-20.32)	10	19	33	40	39	24	15	11
42 (1050)	E	42 (1050)	+4000 (+20.32)	5	9	16	23	23	17	12	9
			+2000 (+10.16)	5	9	18	24	24	17	13	10
			0 (0)	5	10	19	26	25	17	13	10
			-2000 (-10.16)	6	11	21	27	26	17	13	10
			-4000 (-20.32)	6	12	23	28	27	17	13	10
		84 (2100)	+4000 (+20.32)	9	15	26	37	39	28	16	11
			+2000 (+10.16)	10	17	29	39	41	28	17	12
			0 (0)	10	18	31	41	43	28	17	12
			-2000 (-10.16)	11	20	34	42	45	28	17	12
			-4000 (-20.32)	12	21	37	44	47	28	17	13

Pressure Drop

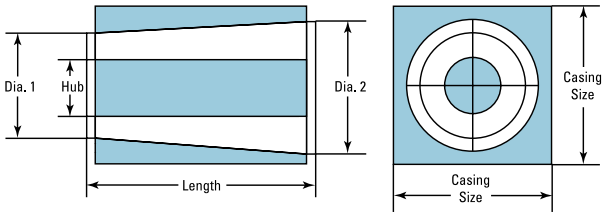
Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
42 (1050)	C	42 (1050)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		84 (2100)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
42 (1050)	D	42 (1050)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		84 (2100)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
42 (1050)	E	42 (1050)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		84 (2100)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/48

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	48	61	67	48-96
Metric	1200	1525	1675	1200-2400

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
48 (1200)	C	48 (1200)	+4000 (+20.32)	4	8	11	17	13	9	6	5
			+2000 (+10.16)	4	8	12	18	14	9	6	5
			0 (0)	4	9	13	18	14	9	6	5
			-2000 (-10.16)	5	9	14	19	15	9	6	5
			-4000 (-20.32)	5	10	15	20	15	9	6	5
		96 (2400)	+4000 (+20.32)	8	12	21	31	24	15	10	7
			+2000 (+10.16)	8	13	22	32	24	15	10	7
			0 (0)	9	14	24	34	25	15	10	7
			-2000 (-10.16)	9	15	25	35	26	15	10	7
			-4000 (-20.32)	10	16	27	36	27	15	10	8
48 (1200)	D	48 (1200)	+4000 (+20.32)	5	9	13	20	16	11	8	7
			+2000 (+10.16)	5	10	14	21	17	11	8	7
			0 (0)	6	11	15	22	18	11	8	7
			-2000 (-10.16)	6	12	16	23	18	11	8	7
			-4000 (-20.32)	7	13	18	23	19	11	8	7
		96 (2400)	+4000 (+20.32)	10	15	23	35	31	20	12	8
			+2000 (+10.16)	10	16	25	37	32	20	12	9
			0 (0)	11	17	27	38	33	20	12	9
			-2000 (-10.16)	12	19	29	40	34	20	13	9
			-4000 (-20.32)	13	20	31	41	36	20	13	9
48 (1200)	E	48 (1200)	+4000 (+20.32)	5	10	15	23	20	15	10	8
			+2000 (+10.16)	6	11	17	24	21	15	10	8
			0 (0)	6	12	19	25	22	15	10	8
			-2000 (-10.16)	7	13	20	27	23	15	11	9
			-4000 (-20.32)	7	14	22	28	24	15	11	9
		96 (2400)	+4000 (+20.32)	10	17	25	39	37	25	15	10
			+2000 (+10.16)	11	18	28	41	39	25	15	10
			0 (0)	12	20	30	43	41	25	15	11
			-2000 (-10.16)	13	22	33	45	43	25	15	11
			-4000 (-20.32)	14	24	36	47	44	25	15	11

Pressure Drop

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
48 (1200)	C	48 (1200)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		96 (2400)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
48 (1200)	D	48 (1200)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		96 (2400)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
48 (1200)	E	48 (1200)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		96 (2400)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

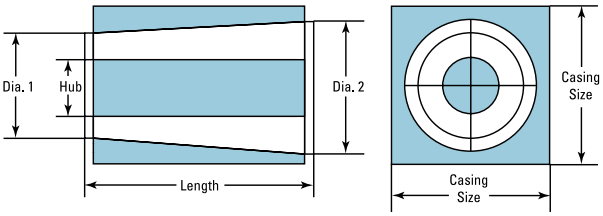
Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/54

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	54	68	74	54-108
Metric	1350	1700	1850	1350-2700

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
54 (1350)	C	54 (1350)	+4000 (+20.32)	4	8	11	17	11	5	3	4
			+2000 (+10.16)	4	8	11	18	11	5	3	4
			0 (0)	4	9	12	18	11	5	3	4
			-2000 (-10.16)	5	9	13	19	12	5	3	4
			-4000 (-20.32)	5	10	14	20	12	5	3	4
		108 (2700)	+4000 (+20.32)	7	12	19	31	18	11	7	4
			+2000 (+10.16)	8	13	21	32	19	11	8	5
			0 (0)	8	14	22	33	20	11	8	5
			-2000 (-10.16)	9	15	23	34	20	11	8	5
			-4000 (-20.32)	10	16	25	35	21	11	8	5
54 (1350)	D	54 (1350)	+4000 (+20.32)	5	9	11	19	13	7	4	5
			+2000 (+10.16)	5	10	12	20	14	7	4	5
			0 (0)	6	11	13	21	14	7	4	5
			-2000 (-10.16)	6	12	15	21	15	7	4	5
			-4000 (-20.32)	7	12	16	22	15	7	4	5
		108 (2700)	+4000 (+20.32)	9	13	20	33	23	14	9	6
			+2000 (+10.16)	9	14	22	34	24	14	10	6
			0 (0)	10	16	23	36	25	14	10	7
			-2000 (-10.16)	11	17	25	37	26	14	10	7
			-4000 (-20.32)	12	18	27	39	27	14	10	7
54 (1350)	E	54 (1350)	+4000 (+20.32)	7	11	13	22	17	9	6	6
			+2000 (+10.16)	7	12	14	23	17	9	6	6
			0 (0)	8	14	16	24	18	9	5	6
			-2000 (-10.16)	9	15	17	25	19	9	5	6
			-4000 (-20.32)	10	16	18	26	20	9	5	6
		108 (2700)	+4000 (+20.32)	11	15	21	37	30	19	12	8
			+2000 (+10.16)	12	17	24	39	32	19	13	9
			0 (0)	13	19	26	40	33	19	13	9
			-2000 (-10.16)	14	20	28	42	35	19	13	9
			-4000 (-20.32)	15	22	30	44	36	19	13	10

Pressure Drop

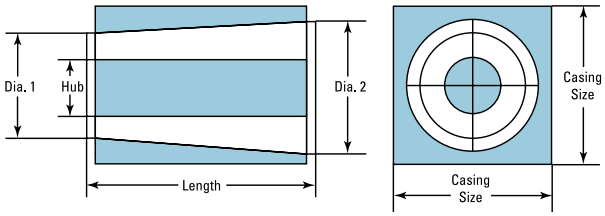
Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
54 (1350)	C	54 (1350)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		108 (2700)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
54 (1350)	D	54 (1350)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		108 (2700)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
54 (1350)	E	54 (1350)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		108 (2700)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/60

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	60	76	82	60-90
Metric	1500	1900	2050	1500-3000

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
60 (1500)	C	60 (1500)	+4000 (+20.32)	3	5	9	14	7	3	2	3
			+2000 (+10.16)	3	5	9	14	7	3	2	3
			0 (0)	3	6	10	15	7	3	2	3
			-2000 (-10.16)	4	6	11	15	8	3	2	3
			-4000 (-20.32)	4	7	11	16	8	3	2	3
		120 (3000)	+4000 (+20.32)	8	10	24	29	15	15	13	8
			+2000 (+10.16)	9	10	25	30	15	15	13	9
			0 (0)	9	11	27	31	16	15	13	9
			-2000 (-10.16)	10	12	29	32	16	15	13	9
			-4000 (-20.32)	10	13	31	33	17	15	13	10
60 (1500)	D	60 (1500)	+4000 (+20.32)	4	7	11	17	10	6	5	4
			+2000 (+10.16)	4	8	12	18	11	6	5	4
			0 (0)	4	9	13	18	11	6	5	4
			-2000 (-10.16)	5	9	14	19	12	6	5	4
			-4000 (-20.32)	5	10	15	20	12	6	5	4
		120 (3000)	+4000 (+20.32)	10	12	25	34	21	18	16	10
			+2000 (+10.16)	10	13	27	35	22	18	16	10
			0 (0)	11	14	29	37	23	18	16	11
			-2000 (-10.16)	12	15	31	38	24	18	17	11
			-4000 (-20.32)	13	16	34	40	25	18	17	12
60 (1500)	E	60 (1500)	+4000 (+20.32)	5	8	14	20	16	11	8	7
			+2000 (+10.16)	5	9	16	21	16	11	8	7
			0 (0)	6	10	17	22	17	11	8	7
			-2000 (-10.16)	7	11	19	23	18	11	8	7
			-4000 (-20.32)	7	12	20	24	18	11	8	7
		120 (3000)	+4000 (+20.32)	10	14	26	38	28	21	17	11
			+2000 (+10.16)	11	15	29	40	30	21	17	12
			0 (0)	12	17	31	42	31	21	17	12
			-2000 (-10.16)	13	18	34	44	33	21	17	12
			-4000 (-20.32)	14	20	37	46	34	21	17	13

Pressure Drop

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity: Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
60 (1500)	C	60 (1500)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		120 (3000)	2000 (10.16)	0.05 (12)	0.06 (16)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.11 (28)	0.62 (155)
60 (1500)	D	60 (1500)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		120 (3000)	2000 (10.16)	0.05 (12)	0.06 (16)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.16 (41)	0.74 (184)
60 (1500)	E	60 (1500)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		120 (3000)	2000 (10.16)	0.05 (12)	0.06 (16)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.20 (49)	0.25 (63)	0.25 (61)	0.90 (224)

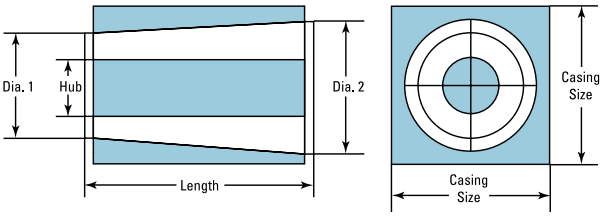
Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Axial Fan Silencers
AFS Series



Performance Data - Model AFS/66

Dimensional Data — Imperial (in.) / Metric (mm)

	Diameter 1	Diameter 2	Casing Size	Silencer Length
Imperial	66	83	89	66-120
Metric	1650	2075	2225	1650-3000

Insertion Loss

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
66 (1650)	C	66 (1650)	+4000 (+20.32)	2	5	10	15	8	5	4	4
			+2000 (+10.16)	3	6	11	16	8	5	4	4
			0 (0)	3	6	12	17	8	5	4	4
			-2000 (-10.16)	3	7	13	17	8	5	4	4
			-4000 (-20.32)	3	7	13	18	9	5	4	4
		99 (2475)	+4000 (+20.32)	5	8	16	24	10	9	8	7
			+2000 (+10.16)	5	9	17	25	11	9	8	7
			0 (0)	5	10	19	26	11	9	8	7
			-2000 (-10.16)	6	10	20	27	11	9	8	7
			-4000 (-20.32)	6	11	21	27	12	9	8	7
66 (1650)	D	66 (1650)	+4000 (+20.32)	4	8	12	18	12	7	5	5
			+2000 (+10.16)	5	8	13	19	12	7	5	5
			0 (0)	5	9	14	20	13	7	5	5
			-2000 (-10.16)	5	10	15	21	14	7	5	5
			-4000 (-20.32)	6	10	16	22	14	7	5	5
		99 (2475)	+4000 (+20.32)	8	10	20	28	18	14	12	8
			+2000 (+10.16)	8	11	21	29	18	14	12	8
			0 (0)	9	12	23	30	19	14	12	8
			-2000 (-10.16)	10	13	25	32	20	14	12	9
			-4000 (-20.32)	10	14	27	33	21	14	12	9
66 (1650)	E	66 (1650)	+4000 (+20.32)	6	9	13	21	15	10	7	6
			+2000 (+10.16)	6	10	15	22	15	10	7	6
			0 (0)	7	11	16	23	16	10	7	6
			-2000 (-10.16)	8	12	17	24	17	10	7	6
			-4000 (-20.32)	8	13	19	25	17	10	7	6
		99 (2475)	+4000 (+20.32)	8	12	21	31	21	15	13	8
			+2000 (+10.16)	9	13	23	33	22	15	13	9
			0 (0)	10	14	25	34	23	15	13	9
			-2000 (-10.16)	11	15	27	35	24	15	13	9
			-4000 (-20.32)	12	17	30	37	25	15	13	10

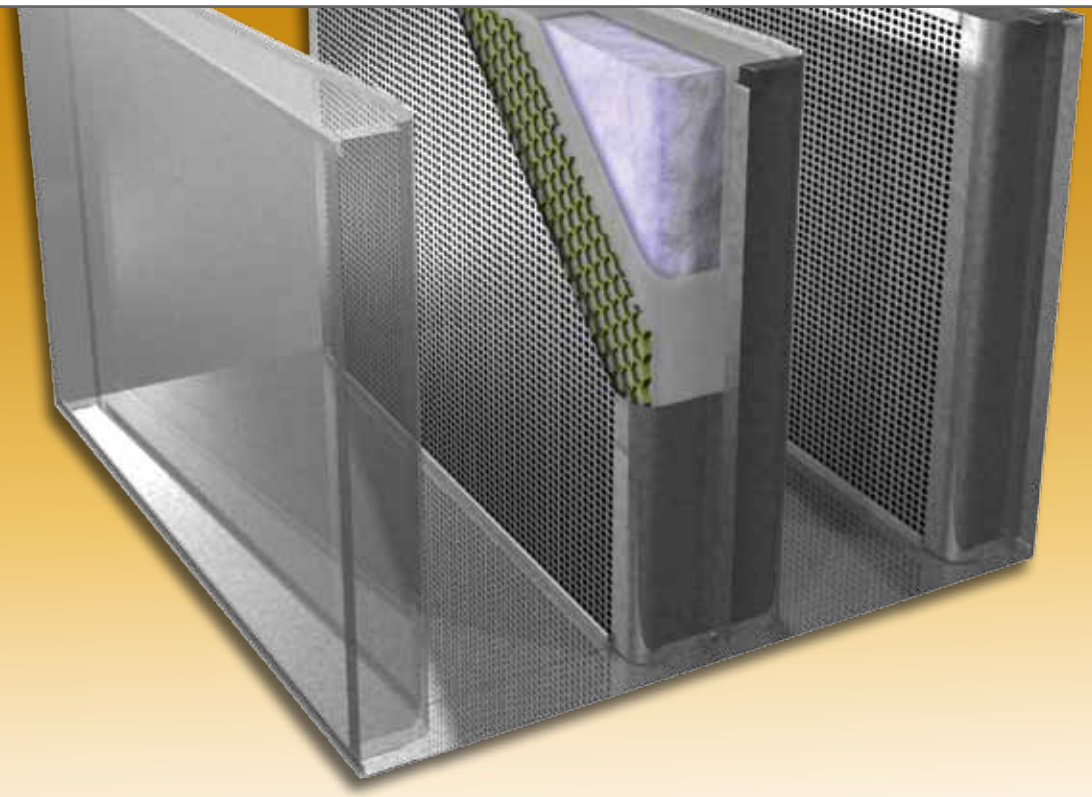
Pressure Drop

Diameter 1 in. (mm)	Hub Size	Length in. (mm)	Fan Velocity fpm (m/s)	Pressure Drop (in. w.g. [Pa]) at a Specific Fan Velocity Ducted Fan Inlet	Unducted Fan Inlet	Ducted Fan Outlet	Unducted Fan Outlet
66 (1650)	C	66 (1650)	2000 (10.16)	0.04 (10)	0.06 (14)	0.04 (10)	0.17 (42)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.17 (41)	0.68 (168)
		99 (2475)	2000 (10.16)	0.05 (11)	0.06 (15)	0.03 (7)	0.16 (39)
			4000 (20.32)	0.18 (46)	0.24 (61)	0.11 (28)	0.62 (155)
66 (1650)	D	66 (1650)	2000 (10.16)	0.04 (10)	0.06 (14)	0.06 (15)	0.20 (50)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.24 (59)	0.81 (202)
		99 (2475)	2000 (10.16)	0.05 (11)	0.06 (15)	0.04 (10)	0.19 (46)
			4000 (20.32)	0.18 (46)	0.24 (61)	0.16 (41)	0.74 (184)
66 (1650)	E	66 (1650)	2000 (10.16)	0.04 (10)	0.06 (14)	0.09 (22)	0.25 (62)
			4000 (20.32)	0.17 (41)	0.23 (56)	0.35 (86)	1.00 (249)
		99 (2475)	2000 (10.16)	0.05 (11)	0.06 (15)	0.06 (15)	0.22 (56)
			4000 (20.32)	0.18 (46)	0.24 (61)	0.25 (61)	0.90 (224)

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. For performance data specific to a size not cataloged, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

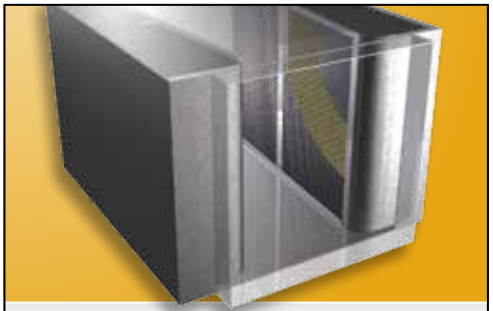


Rectangular

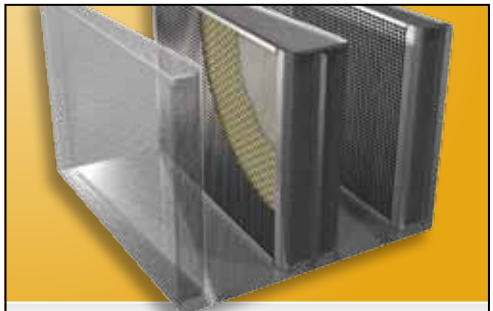
FILM LINED SILENCERS

Price film lined silencers have been developed to utilize the standard absorptive silencer design, but with the addition of a thin film liner that encapsulates the acoustic media. The film provides a barrier to protect the media from moisture and airborne contaminants that may be present in the duct systems. To ensure the highest levels of insertion loss, an acoustic standoff is placed between the film liner and the perforated metal.

Film lined acoustic media is utilized to protect from erosion and contaminants.



Extended casing film lined option



Media protected from contaminants

Commonly used in hospital applications

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Absorptive Rectangular Film Lined Silencers
RLT, RMT, RHT Series

Product Information

Models

Rectangular Film Lined Silencers

Rectangular Film Lined Low Velocity **RLT**
Rectangular Film Lined Medium Velocity **RMT**
Rectangular Film Lined High Velocity **RHT**

Price Absorptive Rectangular Film Lined Silencers are designed with a thin polymer film liner that protects the acoustic media from moisture and airborne contaminants that may be present in the duct systems. Minimal system pressure drop is maintained by utilizing the same internal geometries of the standard absorptive silencers. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Thin polymer film liner that encapsulates the acoustic media for added protection.
- Acoustic standoff that separates film liner from perforated metal to ensure the highest levels of insertion loss.
- The same engineered internal geometries that are used in the standard absorptive silencers to maximize insertion loss and pressure drop.

RLT Silencers

Price RLT silencers are designed for low velocity applications. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a constant gap and smooth aerodynamic surface throughout, these silencers are best suited for applications with velocities below 750 fpm, where high insertion loss is the priority.

RMT Silencers

Price RMT silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 1750 fpm or less.

RHT Silencers

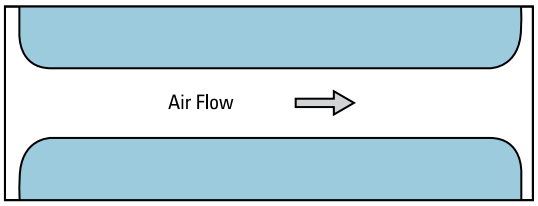
Price RHT silencers are designed for high velocity applications. This high velocity configuration minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the full range of frequencies. This silencer is best suited for applications where high air velocities cannot be avoided.

Recommended Air Velocity Ranges

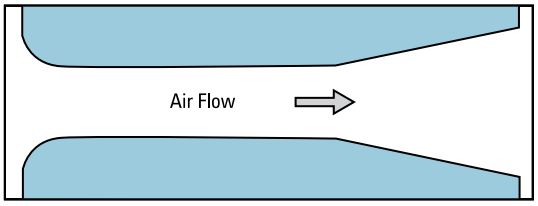
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
RLT	Low Velocity Silencer	0 - 750
RMT	Medium Velocity Silencer	0-1750
RHT	High Velocity Silencer	0-2500

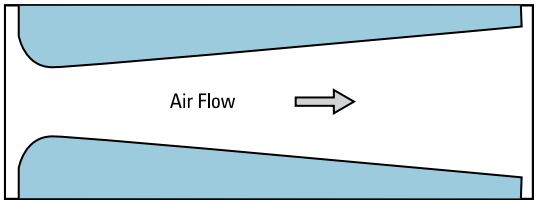
RLT - Rectangular Low Velocity



RMT - Rectangular Medium Velocity



RHT - Rectangular High Velocity



RLT60/6A

- Air Velocity
  - L - Low Velocity
  - M - Medium Velocity
  - H - High Velocity
- Length
  - Range from 36″ - 120″
- Module Factor
  - 1 - 12″ - 13.99″
  - 2 - 14″ - 16.99″
  - 3 - 17″ - 18.99″
  - 4 - 19″ - 20.99″
  - 5 - 21″ - 22.99″
  - 6 - 23″ - 24.99″
  - 7 - 25″ - 26.99″
  - 8 - 27″ - 28.99″
  - 9 - 29″ - 30.99″
  - U - 31″ - 32.99″
  - V - 33″ - 34.99″
  - W - 35″ - 38.99″
  - X - 39″ - 42.99″
  - Y - 43″ - 46.99″
  - Z - 47″ - 50″
- Pressure/Attenuation Code
  - Range From A - G

© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Product Information

Construction

Price absorptive rectangular film lined silencers consist of a solid metal casing, perforated metal liner, film liner, acoustic standoff, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Liner

A thin polymer film is wrapped around the fiberglass media to provide a barrier against elements that may be found in the air stream. To ensure that acoustic performance is maintained, an acoustic standoff is placed between the perforated metal and film liner.

Components

Rectangular silencers that exceed a width of 48 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensional Data

Price absorptive rectangular film lined silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

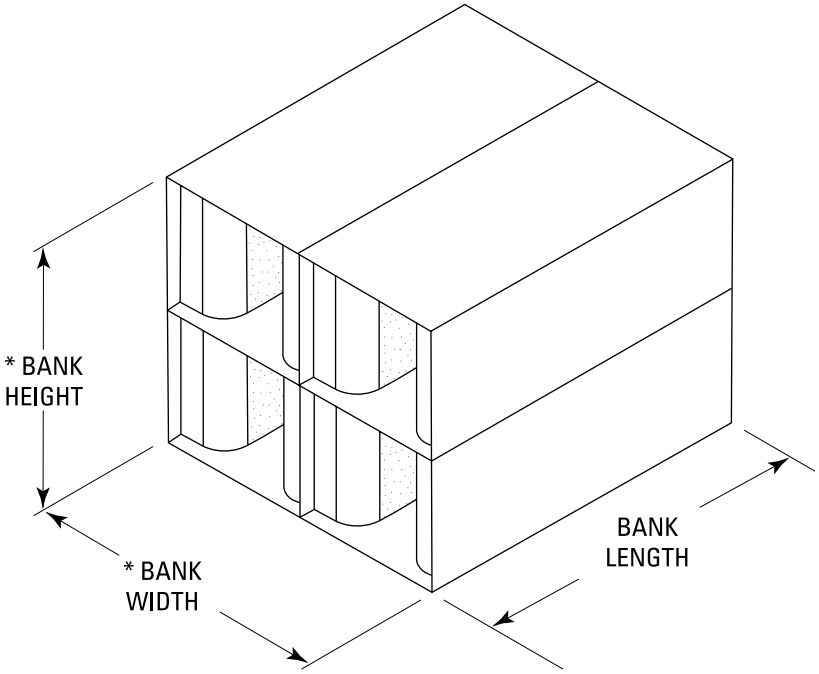
- Paint
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High Sound Transmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Bank Width		Bank Height		Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	240	6	144	36	120	6	48	6	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.06	(15)	2	3	7	13	21	21	17	11
	+500	(+2.54)	0.03	(8)	3	3	7	13	21	21	16	10
	0	(0)	0.00	(0)	2	3	7	14	21	20	15	10
	-500	(-2.54)	0.03	(8)	3	3	7	14	21	20	16	11
	-750	(-3.81)	0.06	(15)	2	3	8	14	21	20	16	10
60 (1500)	+750	(+3.81)	0.10	(24)	3	3	11	20	36	39	24	13
	+500	(+2.54)	0.05	(11)	4	4	11	21	36	39	24	13
	0	(0)	0.00	(0)	4	4	11	21	36	39	24	13
	-500	(-2.54)	0.05	(11)	4	4	12	21	37	38	23	11
	-750	(-3.81)	0.10	(24)	4	4	12	22	37	39	23	12
84 (2100)	+750	(+3.81)	0.11	(27)	4	5	13	25	39	46	29	15
	+500	(+2.54)	0.05	(13)	5	6	14	26	40	45	28	14
	0	(0)	0.00	(0)	5	6	14	26	40	45	28	14
	-500	(-2.54)	0.05	(13)	5	6	15	27	40	45	27	13
	-750	(-3.81)	0.11	(27)	5	6	15	27	41	45	28	13
108 (2700)	+750	(+3.81)	0.12	(30)	5	7	16	30	43	52	33	17
	+500	(+2.54)	0.06	(15)	6	7	16	31	44	52	33	16
	0	(0)	0.00	(0)	6	8	17	31	43	51	32	15
	-500	(-2.54)	0.06	(15)	6	8	18	32	44	51	32	15
	-750	(-3.81)	0.12	(30)	6	9	19	32	44	51	32	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.03 (8)	0.06 (15)
60 (1500)	0.05 (11)	0.10 (24)
84 (2100)	0.05 (13)	0.11 (27)
108 (2700)	0.06 (15)	0.12 (30)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	37	15	22	30	30	25	16	10
	+375	(+1.91)	28	10	12	23	22	15	10	10
	-375	(-1.91)	25	18	24	31	27	22	10	10
	-750	(-3.81)	33	26	30	35	33	31	21	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.14	(35)	3	5	11	18	28	31	23	14
	+500	(+2.54)	0.06	(15)	4	5	11	19	28	31	23	13
	0	(0)	0.00	(0)	4	5	11	20	29	31	22	13
	-500	(-2.54)	0.06	(15)	4	6	12	20	29	32	22	13
	-750	(-3.81)	0.14	(35)	4	6	13	20	29	32	23	12
60 (1500)	+750	(+3.81)	0.15	(36)	6	8	14	27	40	49	37	19
	+500	(+2.54)	0.07	(16)	6	8	15	27	41	50	36	18
	0	(0)	0.00	(0)	6	8	15	28	41	50	29	18
	-500	(-2.54)	0.07	(16)	6	8	16	28	41	50	29	18
	-750	(-3.81)	0.15	(36)	7	9	16	28	41	50	29	17
84 (2100)	+750	(+3.81)	0.17	(42)	8	9	19	30	43	55	41	24
	+500	(+2.54)	0.07	(18)	8	10	20	31	43	55	41	23
	0	(0)	0.00	(0)	9	10	21	31	42	55	36	22
	-500	(-2.54)	0.07	(18)	9	11	22	31	42	55	35	21
	-750	(-3.81)	0.17	(42)	10	12	23	31	43	55	34	20
108 (2700)	+750	(+3.81)	0.19	(47)	9	11	23	34	45	55	46	28
	+500	(+2.54)	0.08	(20)	10	12	25	34	45	55	45	27
	0	(0)	0.00	(0)	11	13	27	34	44	55	43	26
	-500	(-2.54)	0.08	(20)	12	14	28	34	44	55	40	24
	-750	(-3.81)	0.19	(47)	12	15	29	34	44	55	39	23

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.06 (15)	0.14 (35)
60 (1500)	0.07 (16)	0.15 (36)
84 (2100)	0.07 (18)	0.17 (42)
108 (2700)	0.08 (20)	0.19 (47)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	44	24	29	35	35	33	25	18
	+375	(+1.91)	34	11	19	28	27	22	12	10
	-375	(-1.91)	31	24	28	34	31	28	17	10
	-750	(-3.81)	39	31	34	38	37	37	30	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.38	(95)	4	6	14	23	35	42	29	16
	+500	(+2.54)	0.18	(45)	6	7	15	24	36	42	30	16
	0	(0)	0.00	(0)	6	8	16	25	36	42	29	15
	-500	(-2.54)	0.18	(45)	6	9	17	26	37	43	28	15
	-750	(-3.81)	0.38	(95)	6	10	18	27	38	44	29	15
60 (1500)	+750	(+3.81)	0.47	(117)	6	10	23	32	43	55	52	27
	+500	(+2.54)	0.21	(52)	7	10	23	32	43	55	53	26
	0	(0)	0.00	(0)	8	12	25	33	43	55	52	23
	-500	(-2.54)	0.21	(52)	10	11	24	31	41	55	51	22
	-750	(-3.81)	0.47	(117)	9	12	24	31	41	55	50	22
84 (2100)	+750	(+3.81)	0.49	(121)	10	13	25	34	44	55	55	34
	+500	(+2.54)	0.22	(54)	11	13	26	34	44	55	55	33
	0	(0)	0.00	(0)	12	15	27	35	44	55	55	30
	-500	(-2.54)	0.22	(54)	14	15	27	34	43	55	55	28
	-750	(-3.81)	0.49	(121)	14	16	28	34	44	55	55	27
108 (2700)	+750	(+3.81)	0.50	(124)	13	15	27	36	44	55	55	40
	+500	(+2.54)	0.22	(55)	15	16	28	36	45	55	55	39
	0	(0)	0.00	(0)	16	18	29	37	45	55	55	37
	-500	(-2.54)	0.22	(55)	18	19	31	37	45	55	55	34
	-750	(-3.81)	0.50	(124)	19	21	32	37	46	33	34	32

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.18 (45)	0.38 (95)
60 (1500)	0.21 (52)	0.47 (117)
84 (2100)	0.22 (54)	0.49 (121)
108 (2700)	0.22 (55)	0.50 (124)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	54	38	39	43	44	43	39	32
	+375	(+1.91)	44	24	29	35	35	33	25	18
	-375	(-1.91)	39	31	34	38	37	37	30	23
	-750	(-3.81)	47	39	41	43	43	45	42	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.06	(14)	2	5	8	11	12	11	9	8
	+500	(+2.54)	0.03	(6)	3	5	8	11	12	11	8	8
	0	(0)	0.00	(0)	2	4	8	11	11	10	8	7
	-500	(-2.54)	0.03	(6)	2	4	9	11	11	10	9	9
	-750	(-3.81)	0.06	(14)	2	4	9	11	11	9	9	7
60 (1500)	+750	(+3.81)	0.06	(14)	3	7	12	16	18	15	11	9
	+500	(+2.54)	0.03	(7)	3	7	12	16	18	15	10	9
	0	(0)	0.00	(0)	3	7	13	16	18	14	10	8
	-500	(-2.54)	0.03	(7)	3	7	13	16	18	14	11	9
	-750	(-3.81)	0.06	(14)	3	7	13	16	18	13	11	8
84 (2100)	+750	(+3.81)	0.06	(15)	3	9	16	20	25	19	12	10
	+500	(+2.54)	0.03	(7)	4	9	17	21	25	18	12	9
	0	(0)	0.00	(0)	4	9	17	21	24	18	12	8
	-500	(-2.54)	0.03	(7)	4	10	18	22	24	18	12	8
	-750	(-3.81)	0.06	(15)	4	10	18	22	25	17	12	8
108 (2700)	+750	(+3.81)	0.06	(15)	4	11	20	25	31	22	14	10
	+500	(+2.54)	0.03	(8)	4	11	21	26	31	22	14	10
	0	(0)	0.00	(0)	4	11	21	26	31	22	13	9
	-500	(-2.54)	0.03	(8)	5	12	22	27	31	22	13	8
	-750	(-3.81)	0.06	(15)	5	12	22	27	32	22	14	9

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.03 (6)	0.06 (14)
60 (1500)	0.03 (7)	0.06 (14)
84 (2100)	0.03 (7)	0.06 (15)
108 (2700)	0.03 (8)	0.06 (15)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	52	37	29	31	36	30	26	29
	+375	(+1.91)	51	37	22	24	28	27	26	28
	-375	(-1.91)	51	36	33	29	27	20	20	22
	-750	(-3.81)	52	37	37	36	34	26	20	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.11	(28)	4	6	11	14	18	17	12	9
	+500	(+2.54)	0.05	(13)	4	6	11	15	18	17	11	9
	0	(0)	0.00	(0)	4	6	12	15	17	16	11	8
	-500	(-2.54)	0.05	(13)	5	7	12	15	17	18	14	10
	-750	(-3.81)	0.11	(28)	5	7	13	15	18	18	13	9
60 (1500)	+750	(+3.81)	0.13	(32)	4	8	17	23	25	22	15	8
	+500	(+2.54)	0.07	(18)	5	8	17	24	25	22	14	8
	0	(0)	0.00	(0)	5	9	17	25	25	21	13	7
	-500	(-2.54)	0.07	(18)	6	13	18	25	25	23	16	8
	-750	(-3.81)	0.13	(32)	7	14	19	25	25	23	16	7
84 (2100)	+750	(+3.81)	0.14	(34)	7	10	22	27	32	27	18	12
	+500	(+2.54)	0.07	(17)	8	11	23	28	33	26	17	11
	0	(0)	0.00	(0)	8	11	24	28	33	26	16	10
	-500	(-2.54)	0.07	(17)	9	14	25	29	33	27	19	12
	-750	(-3.81)	0.14	(34)	10	15	25	29	33	28	18	11
108 (2700)	+750	(+3.81)	0.15	(36)	9	13	28	31	40	31	20	15
	+500	(+2.54)	0.07	(16)	10	14	29	32	41	31	20	15
	0	(0)	0.00	(0)	11	14	31	32	41	30	19	13
	-500	(-2.54)	0.07	(16)	12	15	31	33	41	32	22	15
	-750	(-3.81)	0.15	(36)	12	15	32	33	42	33	20	14

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm		750 fpm	
36	(900)	0.05	(13)	0.11	(28)
60	(1500)	0.07	(18)	0.13	(32)
84	(2100)	0.07	(17)	0.14	(34)
108	(2700)	0.07	(16)	0.15	(36)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	44	24	29	35	35	33	25	18
	+375	(+1.91)	34	11	19	28	27	22	12	10
	-375	(-1.91)	31	24	28	34	31	28	17	10
	-750	(-3.81)	39	31	34	38	37	37	30	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.32	(79)	5	7	14	17	23	23	15	10
	+500	(+2.54)	0.15	(37)	6	8	15	18	24	23	15	9
	0	(0)	0.00	(0)	6	8	15	19	24	23	14	8
	-500	(-2.54)	0.15	(37)	7	9	16	19	24	25	18	10
	-750	(-3.81)	0.32	(79)	8	9	16	20	24	26	17	10
60 (1500)	+750	(+3.81)	0.35	(86)	8	11	19	25	36	41	26	15
	+500	(+2.54)	0.16	(40)	9	11	20	26	37	41	26	15
	0	(0)	0.00	(0)	10	12	21	27	37	41	25	13
	-500	(-2.54)	0.16	(40)	11	12	22	27	39	43	24	12
	-750	(-3.81)	0.35	(86)	11	13	22	28	39	42	24	12
84 (2100)	+750	(+3.81)	0.38	(93)	12	14	27	30	40	45	30	17
	+500	(+2.54)	0.17	(43)	13	15	28	30	40	45	29	17
	0	(0)	0.00	(0)	14	15	29	31	41	44	27	15
	-500	(-2.54)	0.17	(43)	16	16	30	32	41	46	28	15
	-750	(-3.81)	0.38	(93)	16	16	30	32	41	46	27	14
108 (2700)	+750	(+3.81)	0.40	(101)	15	18	36	36	44	49	33	20
	+500	(+2.54)	0.19	(47)	17	18	36	35	44	48	32	19
	0	(0)	0.00	(0)	19	19	37	36	44	47	30	16
	-500	(-2.54)	0.19	(47)	20	19	37	36	44	50	31	18
	-750	(-3.81)	0.40	(101)	21	20	38	36	44	49	30	16

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.15 (37)	0.32 (79)
60 (1500)	0.16 (40)	0.35 (86)
84 (2100)	0.17 (43)	0.38 (93)
108 (2700)	0.19 (47)	0.40 (101)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	54	38	39	43	44	43	39	32
	+375	(+1.91)	44	24	29	35	35	33	25	18
	-375	(-1.91)	39	31	34	38	37	37	30	23
	-750	(-3.81)	47	39	41	43	43	45	42	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.05	(11)	2	5	6	9	8	9	6	3
	+500	(+2.54)	0.03	(7)	2	5	7	9	8	9	6	2
	0	(0)	0.00	(0)	3	5	7	9	8	8	6	1
	-500	(-2.54)	0.03	(7)	3	5	7	9	8	8	7	2
	-750	(-3.81)	0.05	(11)	4	6	7	9	8	8	6	1
60 (1500)	+750	(+3.81)	0.06	(14)	4	6	9	12	10	6	4	4
	+500	(+2.54)	0.03	(7)	4	7	9	13	10	6	4	4
	0	(0)	0.00	(0)	4	7	9	13	10	6	4	3
	-500	(-2.54)	0.03	(7)	5	8	9	13	10	6	5	3
	-750	(-3.81)	0.06	(14)	5	8	10	13	10	6	4	3
84 (2100)	+750	(+3.81)	0.05	(11)	6	8	13	18	14	12	11	8
	+500	(+2.54)	0.03	(7)	7	8	14	18	14	12	10	7
	0	(0)	0.00	(0)	7	9	14	18	14	11	10	6
	-500	(-2.54)	0.03	(7)	8	9	15	18	14	11	10	4
	-750	(-3.81)	0.05	(11)	8	9	15	19	14	11	10	5
108 (2700)	+750	(+3.81)	0.06	(16)	7	10	15	22	17	13	9	6
	+500	(+2.54)	0.03	(7)	7	11	16	23	17	13	9	6
	0	(0)	0.00	(0)	8	11	16	23	17	12	9	4
	-500	(-2.54)	0.03	(7)	9	12	17	24	17	13	9	4
	-750	(-3.81)	0.06	(16)	9	12	18	24	17	12	9	4

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm		750 fpm	
36	(900)	0.03	(7)	0.05	(11)
60	(1500)	0.03	(7)	0.06	(14)
84	(2100)	0.03	(7)	0.05	(11)
108	(2700)	0.03	(7)	0.06	(16)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	39	16	23	32	31	27	17	12
	+375	(+1.91)	29	12	13	24	23	16	12	12
	-375	(-1.91)	26	20	25	32	29	24	12	12
	-750	(-3.81)	35	27	31	37	35	32	22	15

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.10	(26)	4	6	8	11	10	8	7	6
	+500	(+2.54)	0.04	(11)	4	7	8	11	10	8	6	6
	0	(0)	0.00	(0)	4	7	9	12	10	8	7	5
	-500	(-2.54)	0.04	(11)	5	8	9	12	10	8	7	5
	-750	(-3.81)	0.10	(26)	6	8	9	12	10	8	7	5
60 (1500)	+750	(+3.81)	0.12	(30)	7	10	11	16	16	10	7	6
	+500	(+2.54)	0.05	(13)	8	10	11	16	16	10	7	6
	0	(0)	0.00	(0)	8	11	12	17	15	10	6	5
	-500	(-2.54)	0.05	(13)	9	11	12	17	16	10	8	5
	-750	(-3.81)	0.12	(30)	10	12	12	17	16	11	8	5
84 (2100)	+750	(+3.81)	0.12	(30)	9	12	15	22	22	16	12	8
	+500	(+2.54)	0.05	(13)	10	12	16	23	22	16	12	8
	0	(0)	0.00	(0)	11	13	17	23	21	15	11	6
	-500	(-2.54)	0.05	(13)	12	13	17	24	22	15	10	5
	-750	(-3.81)	0.12	(30)	12	14	18	24	22	16	11	5
108 (2700)	+750	(+3.81)	0.12	(29)	11	14	18	27	29	22	16	11
	+500	(+2.54)	0.06	(14)	12	15	19	28	29	21	16	10
	0	(0)	0.00	(0)	13	15	19	28	28	21	15	8
	-500	(-2.54)	0.06	(14)	12	15	19	28	29	21	16	10
	-750	(-3.81)	0.12	(29)	11	14	18	27	29	22	16	11

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.04 (11)	0.10 (26)
60 (1500)	0.05 (13)	0.12 (30)
84 (2100)	0.05 (13)	0.12 (30)
108 (2700)	0.06 (14)	0.12 (29)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	46	26	30	37	37	34	27	20
	+375	(+1.91)	36	12	20	30	29	24	13	12
	-375	(-1.91)	32	25	30	36	33	30	18	12
	-750	(-3.81)	41	33	36	40	39	38	31	24

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RLT/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750	(+3.81)	0.28	(70)	4	8	13	16	17	16	13	9
	+500	(+2.54)	0.13	(32)	5	9	13	17	17	16	13	9
	0	(0)	0.00	(0)	5	9	14	17	17	15	12	8
	-500	(-2.54)	0.13	(32)	6	9	14	18	17	17	14	9
	-750	(-3.81)	0.28	(70)	6	10	15	18	18	17	13	8
60 (1500)	+750	(+3.81)	0.33	(81)	8	13	16	22	27	22	15	12
	+500	(+2.54)	0.16	(41)	9	14	16	23	28	22	15	11
	0	(0)	0.00	(0)	10	15	17	24	28	21	15	10
	-500	(-2.54)	0.16	(41)	11	15	18	25	28	23	15	10
	-750	(-3.81)	0.33	(81)	11	16	18	25	29	24	15	8
84 (2100)	+750	(+3.81)	0.35	(86)	10	17	20	29	36	30	20	13
	+500	(+2.54)	0.16	(40)	10	18	21	30	36	30	19	12
	0	(0)	0.00	(0)	11	18	22	31	37	28	17	10
	-500	(-2.54)	0.16	(40)	11	19	23	32	37	31	19	10
	-750	(-3.81)	0.35	(86)	14	19	24	32	38	29	18	11
108 (2700)	+750	(+3.81)	0.34	(85)	14	20	25	35	44	37	25	16
	+500	(+2.54)	0.18	(44)	15	20	26	36	44	36	24	15
	0	(0)	0.00	(0)	16	20	27	36	44	35	21	12
	-500	(-2.54)	0.18	(44)	17	20	29	36	44	37	23	13
	-750	(-3.81)	0.34	(85)	19	20	30	37	45	35	22	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.13 (32)	0.28 (70)
60 (1500)	0.16 (41)	0.33 (81)
84 (2100)	0.16 (40)	0.35 (86)
108 (2700)	0.18 (44)	0.34 (85)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750	(+3.81)	55	39	41	44	45	44	41	34
	+375	(+1.91)	46	26	30	37	37	34	27	20
	-375	(-1.91)	41	33	36	40	39	38	31	24
	-750	(-3.81)	49	40	42	44	45	47	44	36

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.19	(48)	1	2	6	12	22	22	18	12
	+1250	(+6.35)	0.10	(25)	2	3	6	12	22	22	18	11
	+750	(+3.81)	0.04	(9)	1	3	6	12	22	22	17	11
	+375	(+1.91)	0.01	(3)	2	3	6	13	23	22	16	10
	0	(0)	0.00	(0)	1	3	6	13	22	22	17	12
	-375	(-1.91)	0.01	(3)	2	3	7	13	22	21	18	13
	-750	(-3.81)	0.04	(9)	1	3	7	13	23	21	18	12
	-1250	(-6.35)	0.10	(25)	1	3	7	14	23	21	17	12
	-1750	(-8.89)	0.19	(48)	2	3	7	14	23	22	18	13
60 (1500)	+1750	(+8.89)	0.23	(58)	2	4	9	17	28	31	24	15
	+1250	(+6.35)	0.12	(30)	2	4	9	18	28	32	23	15
	+750	(+3.81)	0.04	(11)	3	4	9	18	29	32	23	14
	+375	(+1.91)	0.01	(3)	3	4	10	18	28	31	22	13
	0	(0)	0.00	(0)	3	4	10	19	29	31	22	14
	-375	(-1.91)	0.01	(3)	3	4	10	20	29	31	23	14
	-750	(-3.81)	0.04	(11)	3	5	11	20	29	31	23	14
	-1250	(-6.35)	0.12	(30)	3	5	11	20	30	31	22	14
	-1750	(-8.89)	0.23	(58)	3	5	11	21	30	31	23	15
84 (2100)	+1750	(+8.89)	0.28	(69)	3	5	12	23	34	40	29	18
	+1250	(+6.35)	0.14	(36)	3	5	12	24	35	42	29	18
	+750	(+3.81)	0.05	(13)	4	5	13	24	35	41	29	17
	+375	(+1.91)	0.02	(4)	4	6	13	24	34	40	28	17
	0	(0)	0.00	(0)	4	5	13	25	36	41	28	17
	-375	(-1.91)	0.02	(4)	4	6	14	26	36	41	27	16
	-750	(-3.81)	0.05	(13)	5	6	14	26	36	41	28	16
	-1250	(-6.35)	0.14	(36)	5	7	15	27	36	40	28	16
	-1750	(-8.89)	0.28	(69)	5	8	16	27	36	39	28	17
108 (2700)	+1750	(+8.89)	0.32	(79)	4	6	15	28	40	49	35	22
	+1250	(+6.35)	0.16	(41)	4	6	15	29	41	51	35	21
	+750	(+3.81)	0.06	(14)	5	6	16	30	42	51	34	20
	+375	(+1.91)	0.02	(4)	5	7	16	30	40	50	34	20
	0	(0)	0.00	(0)	6	7	17	32	43	51	33	19
	-375	(-1.91)	0.02	(4)	6	7	18	32	43	51	32	17
	-750	(-3.81)	0.06	(14)	6	8	18	33	43	50	33	18
	-1250	(-6.35)	0.16	(41)	7	9	19	33	43	50	33	18
	-1750	(-8.89)	0.32	(79)	7	10	20	34	42	48	32	19

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm		750 fpm		1250 fpm		1750 fpm	
36	(900)	0.01	(3)	0.04	(9)	0.10	(25)	0.19	(48)
60	(1500)	0.01	(3)	0.04	(11)	0.12	(30)	0.23	(58)
84	(2100)	0.02	(4)	0.05	(13)	0.14	(36)	0.28	(69)
108	(2700)	0.02	(4)	0.06	(14)	0.16	(41)	0.32	(79)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	55	43	37	42	41	40	38	33
	+1250	(+6.35)	45	31	23	34	35	31	26	22
	+750	(+3.81)	31	14	10	21	26	18	10	10
	+375	(+1.91)	12	10	10	10	13	10	10	10
	-375	(-1.91)	10	10	10	10	18	10	10	10
	-750	(-3.81)	23	10	10	23	30	23	18	10
	-1250	(-6.35)	38	15	19	33	38	37	35	26
	-1750	(-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.40	(100)	2	3	8	14	25	31	24	16
	+1250	(+6.35)	0.20	(50)	2	4	8	14	26	31	24	15
	+750	(+3.81)	0.07	(17)	2	4	8	15	26	31	24	15
	+375	(+1.91)	0.02	(4)	3	4	9	16	27	31	23	14
	0	(0)	0.00	(0)	2	4	9	16	27	31	23	14
	-375	(-1.91)	0.02	(4)	3	5	9	16	27	31	24	15
	-750	(-3.81)	0.07	(17)	3	5	10	17	28	31	24	14
	-1250	(-6.35)	0.20	(50)	2	5	10	17	28	32	23	14
	-1750	(-8.89)	0.40	(100)	3	5	11	17	29	32	21	14
60 (1500)	+1750	(+8.89)	0.45	(113)	4	6	12	22	39	47	31	16
	+1250	(+6.35)	0.23	(57)	4	6	12	22	40	46	30	15
	+750	(+3.81)	0.08	(21)	5	6	13	23	41	46	30	15
	+375	(+1.91)	0.02	(6)	5	6	14	24	41	47	30	15
	0	(0)	0.00	(0)	5	7	14	25	41	45	26	13
	-375	(-1.91)	0.02	(6)	6	7	15	25	41	46	26	12
	-750	(-3.81)	0.08	(21)	6	8	16	25	42	45	26	12
	-1250	(-6.35)	0.23	(57)	6	8	16	25	42	45	25	13
	-1750	(-8.89)	0.45	(113)	7	9	17	25	43	45	25	13
84 (2100)	+1750	(+8.89)	0.50	(126)	6	8	17	31	44	55	43	25
	+1250	(+6.35)	0.26	(65)	7	8	18	31	44	55	42	24
	+750	(+3.81)	0.10	(24)	7	8	19	32	44	55	42	23
	+375	(+1.91)	0.03	(7)	8	8	20	32	44	55	41	23
	0	(0)	0.00	(0)	8	9	21	33	44	55	39	21
	-375	(-1.91)	0.03	(7)	9	10	22	33	44	55	39	20
	-750	(-3.81)	0.10	(24)	9	11	23	34	44	55	38	19
	-1250	(-6.35)	0.26	(65)	10	12	24	34	45	53	37	19
	-1750	(-8.89)	0.50	(126)	10	13	25	34	45	50	36	18
108 (2700)	+1750	(+8.89)	0.56	(139)	8	9	20	36	47	55	49	30
	+1250	(+6.35)	0.29	(72)	9	9	21	36	47	55	48	29
	+750	(+3.81)	0.11	(28)	9	9	22	36	46	55	48	27
	+375	(+1.91)	0.03	(8)	10	9	23	36	46	55	47	26
	0	(0)	0.00	(0)	11	10	24	37	46	55	45	25
	-375	(-1.91)	0.03	(8)	11	11	25	38	46	55	45	24
	-750	(-3.81)	0.11	(28)	13	12	26	38	46	55	44	23
	-1250	(-6.35)	0.29	(72)	14	14	27	38	47	55	43	22
	-1750	(-8.89)	0.56	(139)	14	16	28	38	46	52	41	21

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.07 (17)	0.20 (50)	0.40 (100)
60 (1500)	0.02 (6)	0.08 (21)	0.23 (57)	0.45 (113)
84 (2100)	0.03 (7)	0.10 (24)	0.26 (65)	0.50 (126)
108 (2700)	0.03 (8)	0.11 (28)	0.29 (72)	0.56 (139)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	63	53	48	49	46	47	48	43
	+1250	(+6.35)	53	41	35	41	40	38	36	32
	+750	(+3.81)	39	24	13	28	31	25	18	14
	+375	(+1.91)	20	10	10	10	18	10	10	10
	-375	(-1.91)	11	10	10	16	23	12	10	10
	-750	(-3.81)	32	10	12	29	34	31	28	18
	-1250	(-6.35)	47	24	27	39	43	44	44	36
	-1750	(-8.89)	57	34	37	45	49	53	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	1.30	(323)	2	4	10	16	28	40	31	20
	+1250	(+6.35)	0.66	(164)	3	5	10	17	29	40	31	19
	+750	(+3.81)	0.25	(61)	3	5	10	18	30	39	30	18
	+375	(+1.91)	0.06	(15)	4	5	11	18	31	40	30	18
36 (900)	0	(0)	0.00	(0)	3	5	12	19	32	41	29	16
	-375	(-1.91)	0.06	(15)	4	6	12	20	33	41	30	18
	-750	(-3.81)	0.25	(61)	4	7	13	20	33	41	30	17
	-1250	(-6.35)	0.66	(164)	4	7	13	21	33	42	29	16
	-1750	(-8.89)	1.30	(323)	5	8	14	21	34	43	25	16
	+1750	(+8.89)	1.52	(377)	5	7	14	25	42	55	41	23
	+1250	(+6.35)	0.76	(188)	6	8	15	27	43	55	41	23
	+750	(+3.81)	0.28	(69)	7	9	16	27	43	55	41	23
	+375	(+1.91)	0.07	(17)	8	10	17	28	43	55	41	23
60 (1500)	0	(0)	0.00	(0)	8	10	17	29	42	55	39	20
	-375	(-1.91)	0.07	(17)	9	12	19	29	42	55	39	19
	-750	(-3.81)	0.28	(69)	10	13	20	30	42	55	38	19
	-1250	(-6.35)	0.76	(188)	9	13	20	30	42	50	37	17
	-1750	(-8.89)	1.52	(377)	10	12	22	31	42	50	30	17
	+1750	(+8.89)	1.73	(430)	8	13	21	31	43	55	50	31
	+1250	(+6.35)	0.86	(213)	10	13	22	32	44	55	51	31
	+750	(+3.81)	0.31	(77)	11	15	21	34	44	55	55	30
	+375	(+1.91)	0.08	(20)	12	16	22	35	43	55	55	30
84 (2100)	0	(0)	0.00	(0)	12	17	23	34	43	55	54	27
	-375	(-1.91)	0.08	(20)	14	19	24	35	43	55	54	25
	-750	(-3.81)	0.31	(77)	15	20	26	35	43	55	53	24
	-1250	(-6.35)	0.86	(213)	15	20	27	35	44	50	39	23
	-1750	(-8.89)	1.73	(430)	14	21	28	34	43	50	31	19
	+1750	(+8.89)	1.95	(484)	11	15	24	34	43	55	54	35
	+1250	(+6.35)	0.95	(237)	13	16	25	35	44	55	55	35
	+750	(+3.81)	0.34	(85)	15	18	24	38	44	55	55	33
	+375	(+1.91)	0.09	(22)	16	19	25	38	43	55	55	33
108 (2700)	0	(0)	0.00	(0)	16	21	26	37	44	55	55	31
	-375	(-1.91)	0.09	(22)	19	22	27	37	44	55	55	28
	-750	(-3.81)	0.34	(85)	20	23	29	37	44	55	55	27
	-1250	(-6.35)	0.95	(237)	20	24	31	37	46	50	40	25
	-1750	(-8.89)	1.95	(484)	19	26	32	35	43	50	31	20

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (15)	0.25 (61)	0.66 (164)	1.30 (323)
60 (1500)	0.07 (17)	0.28 (69)	0.76 (188)	1.52 (377)
84 (2100)	0.08 (20)	0.31 (77)	0.86 (213)	1.73 (430)
108 (2700)	0.09 (22)	0.34 (85)	0.95 (237)	1.95 (484)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	74	67	65	60	54	57	62	58
	+1250	(+6.35)	65	55	51	51	48	49	50	46
	+750	(+3.81)	50	38	30	38	38	36	32	28
	+375	(+1.91)	31	14	10	21	26	18	10	10
All Lengths	-375	(-1.91)	23	10	10	23	30	23	18	10
	-750	(-3.81)	44	21	24	37	41	41	41	32
	-1250	(-6.35)	59	36	39	47	50	55	58	51
	-1750	(-8.89)	69	46	50	53	56	64	69	63

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.20	(49)	2	3	6	10	10	11	10	7
	+1250	(+6.35)	0.10	(25)	2	3	6	11	10	11	10	7
	+750	(+3.81)	0.04	(10)	2	3	7	11	10	10	10	6
	+375	(+1.91)	0.02	(4)	2	3	7	11	10	10	10	6
	0	(0)	0.00	(0)	2	3	7	11	10	10	9	6
	-375	(-1.91)	0.02	(4)	2	3	7	11	10	10	10	6
	-750	(-3.81)	0.04	(10)	2	3	7	11	10	10	9	6
	-1250	(-6.35)	0.10	(25)	3	3	7	11	10	10	9	6
	-1750	(-8.89)	0.20	(49)	2	4	7	11	10	9	10	7
60 (1500)	+1750	(+8.89)	0.20	(49)	2	5	10	15	18	15	11	8
	+1250	(+6.35)	0.10	(25)	3	5	10	15	18	15	11	7
	+750	(+3.81)	0.04	(10)	3	4	10	16	18	15	11	8
	+375	(+1.91)	0.01	(3)	3	5	11	16	18	14	10	8
	0	(0)	0.00	(0)	3	5	11	16	18	14	10	7
	-375	(-1.91)	0.01	(3)	3	6	11	17	18	14	11	7
	-750	(-3.81)	0.04	(10)	3	5	11	17	18	14	10	6
	-1250	(-6.35)	0.10	(25)	4	5	11	17	18	14	10	6
	-1750	(-8.89)	0.20	(49)	4	6	12	18	18	14	10	6
84 (2100)	+1750	(+8.89)	0.20	(50)	3	7	14	20	26	20	12	8
	+1250	(+6.35)	0.10	(25)	4	6	14	20	26	19	12	7
	+750	(+3.81)	0.04	(9)	4	6	14	21	26	19	12	9
	+375	(+1.91)	0.01	(2)	4	6	14	21	26	19	10	9
	0	(0)	0.00	(0)	4	7	15	22	26	19	10	9
	-375	(-1.91)	0.01	(2)	4	8	15	22	26	19	12	7
	-750	(-3.81)	0.04	(9)	5	7	15	22	26	18	12	6
	-1250	(-6.35)	0.10	(25)	5	7	15	23	26	18	10	6
	-1750	(-8.89)	0.20	(50)	5	8	17	24	26	18	10	6
108 (2700)	+1750	(+8.89)	0.24	(59)	4	8	16	27	30	20	13	9
	+1250	(+6.35)	0.12	(31)	4	8	17	28	30	20	12	9
	+750	(+3.81)	0.05	(11)	5	8	17	28	30	20	11	8
	+375	(+1.91)	0.01	(3)	5	8	18	29	29	19	11	7
	0	(0)	0.00	(0)	5	9	18	29	29	19	10	7
	-375	(-1.91)	0.01	(3)	5	9	18	30	29	19	10	7
	-750	(-3.81)	0.05	(11)	6	10	19	30	29	19	10	7
	-1250	(-6.35)	0.12	(31)	7	10	19	30	30	19	11	7
	-1750	(-8.89)	0.24	(59)	7	11	20	30	30	19	12	8

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.04 (10)	0.10 (25)	0.20 (49)
60 (1500)	0.01 (3)	0.04 (10)	0.10 (25)	0.20 (49)
84 (2100)	0.01 (2)	0.04 (9)	0.10 (25)	0.20 (50)
108 (2700)	0.01 (3)	0.05 (11)	0.12 (31)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	55	43	37	42	41	40	38	33
	+1250	(+6.35)	45	31	23	34	35	31	26	22
	+750	(+3.81)	31	14	10	21	26	18	10	10
	+375	(+1.91)	12	10	10	10	13	10	10	10
	-375	(-1.91)	10	10	10	10	18	10	10	10
	-750	(-3.81)	23	10	10	23	30	23	18	10
	-1250	(-6.35)	38	15	19	33	38	37	35	26
	-1750	(-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.34	(84)	3	5	9	13	15	17	14	10
	+1250	(+6.35)	0.18	(45)	3	5	9	13	15	17	14	9
	+750	(+3.81)	0.06	(16)	4	5	9	13	16	17	13	9
	+375	(+1.91)	0.02	(4)	4	5	10	14	16	17	13	9
	0	(0)	0.00	(0)	4	5	10	14	16	16	13	8
	-375	(-1.91)	0.02	(4)	4	6	10	14	16	16	12	7
	-750	(-3.81)	0.06	(16)	5	6	10	14	16	17	13	8
	-1250	(-6.35)	0.18	(45)	5	6	11	15	17	17	13	8
	-1750	(-8.89)	0.34	(84)	5	7	11	15	17	17	13	8
60 (1500)	+1750	(+8.89)	0.38	(94)	3	8	14	18	25	22	15	10
	+1250	(+6.35)	0.20	(49)	3	8	15	19	25	22	15	10
	+750	(+3.81)	0.08	(19)	4	9	15	20	25	22	15	10
	+375	(+1.91)	0.02	(5)	4	9	16	20	25	21	15	10
	0	(0)	0	(0)	4	9	16	20	26	21	14	9
	-375	(-1.91)	0.02	(5)	4	9	16	21	26	21	14	8
	-750	(-3.81)	0.08	(19)	5	10	17	21	26	21	14	8
	-1250	(-6.35)	0.20	(49)	5	11	17	21	27	21	14	8
	-1750	(-8.89)	0.38	(94)	5	11	17	22	28	21	13	9
84 (2100)	+1750	(+8.89)	0.41	(103)	6	10	19	25	33	26	18	12
	+1250	(+6.35)	0.22	(54)	6	10	20	26	33	26	18	12
	+750	(+3.81)	0.08	(21)	7	11	21	26	33	26	17	12
	+375	(+1.91)	0.03	(6)	7	11	21	27	33	25	17	11
	0	(0)	0.00	(0)	8	11	22	27	32	25	16	11
	-375	(-1.91)	0.03	(6)	9	12	23	27	33	25	16	11
	-750	(-3.81)	0.08	(21)	9	12	23	28	34	25	17	11
	-1250	(-6.35)	0.22	(54)	10	13	23	28	34	25	17	12
	-1750	(-8.89)	0.41	(103)	10	13	24	28	34	25	17	12
108 (2700)	+1750	(+8.89)	0.45	(112)	9	12	25	32	41	30	21	14
	+1250	(+6.35)	0.24	(60)	9	13	26	32	41	30	20	14
	+750	(+3.81)	0.09	(22)	10	13	26	33	40	30	20	13
	+375	(+1.91)	0.03	(7)	11	13	27	33	40	30	19	13
	0	(0)	0.00	(0)	12	13	28	33	39	29	18	12
	-375	(-1.91)	0.03	(7)	13	14	29	34	40	28	18	13
	-750	(-3.81)	0.09	(22)	14	14	29	34	41	30	20	14
	-1250	(-6.35)	0.24	(60)	15	15	30	35	42	30	20	15
	-1750	(-8.89)	0.45	(112)	15	16	31	34	41	28	21	15

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.06 (16)	0.18 (45)	0.34 (84)
60 (1500)	0.02 (5)	0.08 (19)	0.20 (49)	0.38 (94)
84 (2100)	0.03 (6)	0.08 (21)	0.22 (54)	0.41 (103)
108 (2700)	0.03 (7)	0.09 (22)	0.24 (60)	0.45 (112)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	63	53	48	49	46	47	48	43
	+1250	(+6.35)	53	41	35	41	40	38	36	32
	+750	(+3.81)	39	24	13	28	31	25	18	14
	+375	(+1.91)	20	10	10	10	18	10	10	10
	-375	(-1.91)	11	10	10	16	23	12	10	10
	-750	(-3.81)	32	10	12	29	34	31	28	18
	-1250	(-6.35)	47	24	27	39	43	44	44	36
	-1750	(-8.89)	57	34	37	45	49	53	55	48

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.96	(240)	3	6	11	15	20	23	17	12
	+1250	(+6.35)	0.51	(127)	4	7	12	16	21	23	17	12
	+750	(+3.81)	0.18	(45)	4	7	12	16	21	23	17	12
	+375	(+1.91)	0.04	(11)	5	7	13	16	21	23	17	11
	0	(0)	0	(0)	5	7	13	17	22	23	16	10
	-375	(-1.91)	0.04	(11)	5	8	14	17	22	23	15	9
	-750	(-3.81)	0.18	(45)	6	8	14	17	23	24	16	9
	-1250	(-6.35)	0.51	(127)	6	9	14	18	24	24	16	9
	-1750	(-8.89)	0.96	(240)	7	10	15	18	24	24	16	10
60 (1500)	+1750	(+8.89)	1.26	(314)	5	9	17	22	34	39	25	15
	+1250	(+6.35)	0.66	(164)	6	10	18	23	35	37	25	15
	+750	(+3.81)	0.24	(59)	6	10	19	25	37	37	24	14
	+375	(+1.91)	0.06	(15)	7	11	20	25	37	37	24	14
	0	(0)	0	(0)	7	11	21	26	37	37	23	13
	-375	(-1.91)	0.06	(15)	8	11	22	27	38	37	22	12
	-750	(-3.81)	0.24	(59)	9	11	22	27	39	38	22	12
	-1250	(-6.35)	0.66	(164)	10	12	23	28	40	37	22	12
	-1750	(-8.89)	1.26	(314)	10	13	24	29	40	36	21	12
84 (2100)	+1750	(+8.89)	1.37	(341)	8	15	22	29	40	48	32	18
	+1250	(+6.35)	0.72	(180)	9	16	24	29	40	47	31	17
	+750	(+3.81)	0.27	(66)	9	16	25	30	41	47	30	16
	+375	(+1.91)	0.07	(16)	10	16	26	31	41	47	29	16
	0	(0)	0.00	(0)	11	16	27	31	41	47	28	14
	-375	(-1.91)	0.07	(16)	11	17	28	31	42	47	27	14
	-750	(-3.81)	0.27	(66)	12	17	28	32	42	48	26	13
	-1250	(-6.35)	0.72	(180)	15	18	29	32	42	47	26	13
	-1750	(-8.89)	1.37	(341)	14	19	30	33	42	47	25	13
108 (2700)	+1750	(+8.89)	1.48	(367)	11	21	28	35	45	55	38	20
	+1250	(+6.35)	0.79	(196)	12	22	29	35	46	55	37	19
	+750	(+3.81)	0.29	(73)	12	22	31	36	45	55	36	18
	+375	(+1.91)	0.07	(18)	13	22	33	36	45	55	35	17
	0	(0)	0	(0)	14	22	33	36	45	55	33	16
	-375	(-1.91)	0.07	(18)	15	23	34	36	45	55	32	15
	-750	(-3.81)	0.29	(73)	16	23	34	36	45	55	30	13
	-1250	(-6.35)	0.79	(196)	21	25	35	37	45	55	29	13
	-1750	(-8.89)	1.48	(367)	18	25	35	36	45	55	29	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (11)	0.18 (45)	0.51 (127)	0.96 (240)
60 (1500)	0.06 (15)	0.24 (59)	0.66 (164)	1.26 (314)
84 (2100)	0.07 (16)	0.27 (66)	0.72 (180)	1.37 (341)
108 (2700)	0.07 (18)	0.29 (73)	0.79 (196)	1.48 (367)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	74	67	65	60	54	57	62	58
	+1250	(+6.35)	65	55	51	51	48	49	50	46
	+750	(+3.81)	50	38	30	38	38	36	32	28
	+375	(+1.91)	31	14	10	21	26	18	10	10
	-375	(-1.91)	23	10	10	23	30	23	18	10
	-750	(-3.81)	44	21	24	37	41	41	41	32
	-1250	(-6.35)	59	36	39	47	50	55	58	51
	-1750	(-8.89)	69	46	50	53	56	64	69	63

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.17	(42)	1	3	5	8	7	7	5	2
	+1250	(+6.35)	0.10	(24)	2	4	5	8	7	8	6	2
	+750	(+3.81)	0.03	(6)	2	4	5	8	7	7	5	2
	+375	(+1.91)	0.01	(3)	2	4	5	8	7	7	5	2
	0	(0)	0.00	(0)	2	4	5	8	7	7	5	2
	-375	(-1.91)	0.01	(3)	2	5	5	8	7	7	5	2
	-750	(-3.81)	0.03	(6)	3	5	5	8	7	7	6	2
	-1250	(-6.35)	0.10	(24)	3	5	6	8	7	7	6	2
	-1750	(-8.89)	0.17	(42)	4	5	6	8	7	7	7	3
60 (1500)	+1750	(+8.89)	0.20	(49)	4	5	8	11	9	6	3	4
	+1250	(+6.35)	0.10	(24)	4	6	8	12	9	5	3	4
	+750	(+3.81)	0.04	(9)	5	6	9	12	9	5	3	4
	+375	(+1.91)	0.01	(3)	5	6	9	12	9	5	3	3
	0	(0)	0.00	(0)	5	6	9	12	9	5	3	3
	-375	(-1.91)	0.01	(3)	5	7	9	12	9	5	3	3
	-750	(-3.81)	0.04	(9)	6	7	9	12	9	5	3	2
	-1250	(-6.35)	0.10	(24)	6	7	10	12	9	5	4	3
	-1750	(-8.89)	0.20	(49)	7	8	10	13	10	6	4	4
84 (2100)	+1750	(+8.89)	0.23	(57)	5	7	12	17	14	12	11	8
	+1250	(+6.35)	0.13	(33)	5	7	12	17	14	12	11	8
	+750	(+3.81)	0.05	(12)	6	8	13	18	14	12	11	8
	+375	(+1.91)	0.01	(3)	6	8	13	18	14	12	11	7
	0	(0)	0.00	(0)	6	9	13	17	13	11	9	6
	-375	(-1.91)	0.01	(3)	7	9	13	17	13	11	10	6
	-750	(-3.81)	0.05	(12)	7	9	14	18	13	11	10	5
	-1250	(-6.35)	0.13	(33)	8	10	14	18	14	11	11	6
	-1750	(-8.89)	0.23	(57)	9	10	14	18	14	12	10	6
108 (2700)	+1750	(+8.89)	2.08	(518)	6	9	13	19	18	14	11	8
	+1250	(+6.35)	0.11	(27)	7	10	14	20	17	14	11	8
	+750	(+3.81)	0.44	(109)	7	10	14	20	17	13	11	7
	+375	(+1.91)	0.01	(3)	7	10	15	20	17	13	11	7
	0	(0)	0.00	(0)	7	10	15	20	17	13	10	5
	-375	(-1.91)	0.01	(3)	8	11	15	20	17	13	10	5
	-750	(-3.81)	0.44	(109)	8	12	16	21	17	13	10	5
	-1250	(-6.35)	0.11	(27)	9	12	16	21	17	13	11	6
	-1750	(-8.89)	2.08	(518)	11	13	16	21	18	14	12	7

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm		750 fpm		1250 fpm		1750 fpm	
36	(900)	0.01	(3)	0.03	(6)	0.10	(24)	0.17	(42)
60	(1500)	0.01	(3)	0.04	(9)	0.10	(24)	0.20	(49)
84	(2100)	0.01	(3)	0.05	(12)	0.13	(33)	0.23	(57)
108	(2700)	0.01	(3)	0.44	(109)	0.11	(27)	2.08	(518)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	56	45	38	44	43	41	39	35
	+1250	(+6.35)	47	33	24	35	36	32	27	23
	+750	(+3.81)	33	15	12	22	27	19	12	12
	+375	(+1.91)	13	12	12	12	14	12	12	12
	-375	(-1.91)	12	12	12	12	19	12	12	12
	-750	(-3.81)	24	12	12	25	31	25	20	12
	-1250	(-6.35)	40	17	20	35	40	38	37	27
	-1750	(-8.89)	50	27	30	41	45	47	48	39

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft². Corrections in chart provided must be
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.32	(81)	3	5	6	10	11	10	8	6
	+1250	(+6.35)	0.17	(41)	4	6	6	10	11	10	8	6
	+750	(+3.81)	0.06	(16)	4	6	6	11	11	9	8	6
	+375	(+1.91)	0.02	(6)	5	6	7	11	11	9	8	6
	0	(0)	0	(0)	5	6	7	11	11	10	8	5
	-375	(-1.91)	0.02	(6)	5	6	7	11	11	9	8	5
	-750	(-3.81)	0.06	(16)	5	7	7	11	11	9	8	5
	-1250	(-6.35)	0.17	(41)	6	7	7	11	11	9	8	5
	-1750	(-8.89)	0.32	(81)	7	7	8	12	11	9	9	6
60 (1500)	+1750	(+8.89)	0.38	(95)	6	7	9	15	17	13	10	7
	+1250	(+6.35)	0.19	(48)	6	8	9	16	17	13	10	7
	+750	(+3.81)	0.07	(18)	7	9	9	16	17	13	10	7
	+375	(+1.91)	0.02	(6)	7	9	10	16	17	13	10	7
	0	(0)	0	(0)	7	9	10	16	17	13	10	7
	-375	(-1.91)	0.02	(6)	8	9	10	17	17	13	10	7
	-750	(-3.81)	0.07	(18)	8	10	11	17	17	13	10	6
	-1250	(-6.35)	0.19	(48)	9	10	11	17	17	13	11	7
	-1750	(-8.89)	0.38	(95)	10	11	11	18	18	13	11	7
84 (2100)	+1750	(+8.89)	0.38	(95)	9	10	14	21	21	16	12	9
	+1250	(+6.35)	0.20	(49)	9	11	15	22	21	16	12	8
	+750	(+3.81)	0.08	(19)	10	11	16	22	21	16	12	8
	+375	(+1.91)	0.02	(6)	10	12	16	23	20	15	12	7
	0	(0)	0.00	(0)	10	12	17	23	20	15	11	6
	-375	(-1.91)	0.02	(6)	11	12	17	23	20	15	11	5
	-750	(-3.81)	0.08	(19)	11	12	17	23	20	16	13	7
	-1250	(-6.35)	0.20	(49)	12	13	18	23	21	17	13	7
	-1750	(-8.89)	0.38	(95)	13	13	18	24	21	17	13	8
108 (2700)	+1750	(+8.89)	0.41	(102)	11	13	16	25	27	18	13	9
	+1250	(+6.35)	0.21	(53)	11	13	17	25	26	18	13	9
	+750	(+3.81)	0.08	(21)	12	14	18	26	26	18	12	8
	+375	(+1.91)	0.03	(6)	12	14	18	27	26	18	12	8
	0	(0)	0	(0)	13	14	18	27	26	18	12	8
	-375	(-1.91)	0.03	(6)	13	15	19	27	26	18	12	7
	-750	(-3.81)	0.08	(21)	14	15	20	28	26	18	12	5
	-1250	(-6.35)	0.21	(53)	16	16	20	28	27	18	13	7
	-1750	(-8.89)	0.41	(102)	17	16	20	29	27	18	13	8

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (6)	0.06 (16)	0.17 (41)	0.32 (81)
60 (1500)	0.02 (6)	0.07 (18)	0.19 (48)	0.38 (95)
84 (2100)	0.02 (6)	0.08 (19)	0.20 (49)	0.38 (95)
108 (2700)	0.03 (6)	0.08 (21)	0.21 (53)	0.41 (102)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	64	54	50	51	48	48	49	45
	+1250	(+6.35)	55	43	36	42	42	40	37	33
	+750	(+3.81)	41	25	15	29	32	27	19	15
	+375	(+1.91)	21	12	12	12	20	12	12	12
	-375	(-1.91)	12	12	12	17	24	14	12	12
	-750	(-3.81)	33	12	13	31	36	32	29	19
	-1250	(-6.35)	48	25	29	40	45	46	46	38
	-1750	(-8.89)	58	35	39	47	50	55	57	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RMT/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450 475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.90	(223)	5	6	9	14	16	15	13	9
	+1250	(+6.35)	0.46	(115)	5	7	9	14	16	15	12	9
	+750	(+3.81)	0.17	(43)	6	7	10	15	16	15	12	9
	+375	(+1.91)	0.05	(12)	6	7	10	15	16	15	12	8
	0	(0)	0	(0)	6	8	11	15	16	14	11	8
	-375	(-1.91)	0.05	(12)	7	8	11	16	17	14	11	7
	-750	(-3.81)	0.17	(43)	8	9	11	16	17	14	12	7
	-1250	(-6.35)	0.46	(115)	8	9	11	16	17	15	12	7
	-1750	(-8.89)	0.90	(223)	9	10	12	16	18	15	12	8
60 (1500)	+1750	(+8.89)	1.01	(250)	6	12	14	21	26	25	18	13
	+1250	(+6.35)	0.51	(127)	7	13	14	22	26	24	18	13
	+750	(+3.81)	0.19	(47)	8	13	15	23	27	24	17	12
	+375	(+1.91)	0.05	(12)	8	14	16	23	27	23	17	12
	0	(0)	0.00	(0)	9	14	16	24	27	23	16	11
	-375	(-1.91)	0.05	(12)	9	14	16	24	27	23	16	11
	-750	(-3.81)	0.19	(47)	10	15	17	25	27	24	17	12
	-1250	(-6.35)	0.51	(127)	10	15	17	25	27	24	17	12
	-1750	(-8.89)	1.01	(250)	10	15	17	25	27	24	17	12
84 (2100)	+1750	(+8.89)	1.19	(296)	10	15	18	26	33	31	21	14
	+1250	(+6.35)	0.58	(143)	11	16	19	28	34	29	20	14
	+750	(+3.81)	0.21	(52)	11	16	20	29	34	29	19	13
	+375	(+1.91)	0.06	(14)	12	17	21	29	34	28	19	13
	0	(0)	0.00	(0)	12	17	20	29	34	28	18	11
	-375	(-1.91)	0.06	(14)	12	17	20	29	34	28	18	12
	-750	(-3.81)	0.21	(52)	12	17	20	29	35	29	19	13
	-1250	(-6.35)	0.58	(143)	12	17	19	28	35	29	20	13
	-1750	(-8.89)	1.19	(296)	11	16	19	27	34	30	20	14
108 (2700)	+1750	(+8.89)	1.37	(341)	13	17	22	32	41	36	23	15
	+1250	(+6.35)	0.64	(160)	14	19	24	33	42	34	22	15
	+750	(+3.81)	0.23	(57)	15	19	25	34	41	34	21	14
	+375	(+1.91)	0.06	(15)	16	19	26	35	41	34	21	13
	0	(0)	0.00	(0)	16	19	24	34	42	33	19	11
	-375	(-1.91)	0.06	(15)	15	19	24	34	42	34	21	13
	-750	(-3.81)	0.23	(57)	15	19	22	32	42	34	22	14
	-1250	(-6.35)	0.64	(160)	14	18	21	31	42	34	22	15
	-1750	(-8.89)	1.37	(341)	13	17	20	30	41	36	23	16

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36	(900)	0.05 (12)	0.17 (43)	0.46 (115)	0.46 (115)
60	(1500)	0.05 (12)	0.19 (47)	0.51 (127)	0.51 (127)
84	(2100)	0.06 (14)	0.21 (52)	0.58 (143)	0.58 (143)
108	(2700)	0.06 (15)	0.23 (57)	0.64 (160)	0.64 (160)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	75	68	67	61	55	59	63	59
	+1250	(+6.35)	66	57	53	53	49	50	52	47
	+750	(+3.81)	52	39	32	40	40	37	34	29
	+375	(+1.91)	33	15	12	22	27	19	12	12
	-375	(-1.91)	24	12	12	25	31	25	20	12
	-750	(-3.81)	45	22	26	38	43	43	43	34
	-1250	(-6.35)	60	37	41	48	51	57	59	52
	-1750	(-8.89)	70	48	51	55	57	65	70	64

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500	(+12.7)	0.22	(55)	2	1	5	11	20	21	17	11
	+2000	(+10.16)	0.16	(40)	4	2	5	11	20	22	17	10
	+1500	(+7.62)	0.09	(23)	3	2	5	11	20	21	16	10
	+1000	(+5.08)	0.05	(11)	3	2	5	11	20	21	16	10
	+500	(+2.54)	0.02	(4)	3	1	5	10	19	21	16	10
	0	(0)	0.00	(0)	2	2	5	10	19	22	15	10
	-500	(-2.54)	0.02	(4)	2	1	4	10	19	21	16	11
	-1000	(-5.08)	0.05	(11)	1	1	4	10	18	21	16	11
	-1500	(-7.62)	0.09	(23)	1	1	4	9	18	21	16	11
	-2000	(-10.16)	0.16	(40)	1	1	4	9	18	21	17	11
	-2500	(-12.7)	0.22	(55)	2	1	4	9	18	21	17	12
60 (1500)	+2500	(+12.7)	0.26	(64)	3	2	6	15	27	27	20	12
	+2000	(+10.16)	0.18	(45)	4	3	6	15	28	27	20	12
	+1500	(+7.62)	0.10	(26)	4	2	6	15	27	27	19	11
	+1000	(+5.08)	0.05	(13)	4	3	6	15	27	27	19	11
	+500	(+2.54)	0.02	(4)	4	2	6	15	27	27	19	10
	0	(0)	0.00	(0)	4	2	6	15	27	27	18	10
	-500	(-2.54)	0.02	(4)	4	2	6	15	27	27	19	11
	-1000	(-5.08)	0.05	(13)	3	2	6	15	27	27	18	11
	-1500	(-7.62)	0.10	(26)	3	2	6	15	27	27	18	11
	-2000	(-10.16)	0.18	(45)	3	2	6	15	26	27	19	11
	-2500	(-12.7)	0.26	(64)	4	3	7	15	26	27	19	11
84 (2100)	+2500	(+12.7)	0.30	(73)	3	3	7	19	35	33	23	13
	+2000	(+10.16)	0.20	(49)	5	3	8	19	35	33	23	13
	+1500	(+7.62)	0.11	(28)	5	3	8	19	35	33	22	12
	+1000	(+5.08)	0.06	(15)	5	3	8	19	35	33	22	12
	+500	(+2.54)	0.02	(4)	5	3	8	20	35	33	21	11
	0	(0)	0.00	(0)	5	3	8	20	35	33	21	10
	-500	(-2.54)	0.02	(4)	6	3	9	20	35	32	21	10
	-1000	(-5.08)	0.06	(15)	5	4	9	20	35	32	21	10
	-1500	(-7.62)	0.11	(28)	5	4	9	21	35	32	21	10
	-2000	(-10.16)	0.20	(49)	5	4	9	21	35	33	21	10
	-2500	(-12.7)	0.30	(73)	6	4	10	21	34	33	21	11
108 (2700)	+2500	(+12.7)	0.33	(83)	4	3	9	22	42	39	26	15
	+2000	(+10.16)	0.22	(54)	5	4	9	23	42	39	26	14
	+1500	(+7.62)	0.12	(31)	6	4	9	23	42	39	25	13
	+1000	(+5.08)	0.07	(17)	6	4	10	24	43	39	25	13
	+500	(+2.54)	0.02	(4)	6	4	10	24	43	38	24	12
	0	(0)	0.00	(0)	7	4	10	25	43	38	24	11
	-500	(-2.54)	0.02	(4)	8	5	11	25	43	38	23	10
	-1000	(-5.08)	0.07	(17)	7	5	11	26	43	38	23	10
	-1500	(-7.62)	0.12	(31)	7	5	12	26	43	38	23	10
	-2000	(-10.16)	0.22	(54)	7	6	12	26	43	39	23	10
	-2500	(-12.7)	0.33	(83)	7	6	12	27	42	39	23	10

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.05 (11)	0.09 (23)	0.16 (40)	0.22 (55)
60 (1500)	0.02 (4)	0.05 (13)	0.10 (26)	0.18 (45)	0.26 (64)
84 (2100)	0.02 (4)	0.06 (15)	0.11 (28)	0.20 (49)	0.30 (73)
108 (2700)	0.02 (4)	0.07 (17)	0.12 (31)	0.22 (54)	0.33 (83)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500	(+12.7)	56	43	39	38	42	43	44	40
	+2000	(+10.16)	50	36	32	31	38	38	38	34
	+1500	(+7.62)	42	27	22	22	33	31	29	26
	+1000	(+5.08)	30	14	10	10	25	21	17	14
	+500	(+2.54)	11	10	10	10	13	10	10	10
	-500	(-2.54)	16	10	10	10	10	15	10	10
	-1000	(-5.08)	34	17	10	13	27	31	29	25
	-1500	(-7.62)	44	29	23	26	36	41	40	36
	-2000	(-10.16)	51	37	33	36	43	47	48	44
	-2500	(-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	0.36	(90)	2	2	7	13	22	26	22	14
	+2000	(+10.16)	0.23	(57)	3	3	7	12	22	27	22	14
	+1500	(+7.62)	0.15	(37)	3	3	7	13	22	27	20	13
	+1000	(+5.08)	0.06	(15)	3	3	7	13	22	27	20	13
	+500	(+2.54)	0.02	(4)	3	3	7	13	22	27	20	12
36 (900)	0	(0)	0.00	(0)	3	3	7	13	23	27	20	12
	-500	(-2.54)	0.02	(4)	3	3	7	13	23	26	21	13
	-1000	(-5.08)	0.06	(15)	2	3	7	13	23	26	21	13
	-1500	(-7.62)	0.15	(37)	2	3	7	13	23	27	21	13
	-2000	(-10.16)	0.23	(57)	2	3	8	13	23	27	22	12
	-2500	(-12.7)	0.36	(90)	3	3	8	13	23	27	22	13
	+2500	(+12.7)	0.42	(105)	3	4	10	18	32	37	27	17
	+2000	(+10.16)	0.27	(67)	4	3	10	18	33	36	27	17
	+1500	(+7.62)	0.15	(37)	4	4	10	18	34	36	26	16
	+1000	(+5.08)	0.07	(17)	4	4	11	18	34	36	25	15
	+500	(+2.54)	0.02	(5)	4	5	11	19	35	35	25	15
60 (1500)	0	(0)	0.00	(0)	4	5	12	20	35	33	25	14
	-500	(-2.54)	0.02	(5)	4	5	13	20	35	33	25	15
	-1000	(-5.08)	0.07	(17)	4	6	13	21	36	33	25	14
	-1500	(-7.62)	0.15	(37)	4	6	14	21	36	34	25	14
	-2000	(-10.16)	0.27	(67)	4	6	14	22	37	32	26	15
	-2500	(-12.7)	0.42	(105)	5	6	13	22	37	35	26	15
	+2500	(+12.7)	0.55	(136)	4	5	12	24	40	47	32	21
	+2000	(+10.16)	0.33	(82)	5	4	13	23	40	47	32	20
	+1500	(+7.62)	0.20	(49)	5	5	13	24	40	47	31	19
	+1000	(+5.08)	0.09	(22)	5	5	14	24	40	46	31	18
	+500	(+2.54)	0.03	(6)	5	6	14	25	41	46	30	18
84 (2100)	0	(0)	0.00	(0)	5	6	16	27	41	44	30	17
	-500	(-2.54)	0.03	(6)	6	6	17	27	41	44	30	16
	-1000	(-5.08)	0.08	(21)	6	6	17	28	41	44	29	16
	-1500	(-7.62)	0.19	(48)	6	7	18	28	41	43	30	16
	-2000	(-10.16)	0.33	(82)	7	7	18	28	41	41	30	17
	-2500	(-12.7)	0.54	(135)	8	7	18	28	41	42	30	17
	+2500	(+12.7)	0.64	(159)	5	6	15	29	47	57	38	24
	+2000	(+10.16)	0.38	(95)	6	6	16	29	47	57	37	23
	+1500	(+7.62)	0.22	(55)	6	6	17	30	47	57	37	22
	+1000	(+5.08)	0.10	(25)	6	6	17	30	47	57	36	21
	+500	(+2.54)	0.03	(7)	7	6	17	32	47	57	35	20
108 (2700)	0	(0)	0.00	(0)	7	7	20	33	47	55	34	19
	-500	(-2.54)	0.03	(7)	7	7	20	34	47	55	34	18
	-1000	(-5.08)	0.10	(24)	7	7	21	34	47	55	34	18
	-1500	(-7.62)	0.22	(54)	7	8	22	34	47	53	34	18
	-2000	(-10.16)	0.38	(95)	9	8	23	34	46	50	34	19
	-2500	(-12.7)	0.64	(158)	10	8	23	34	46	50	33	19

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.06 (15)	0.15 (37)	0.23 (57)	0.36 (90)
60 (1500)	0.02 (5)	0.07 (17)	0.15 (37)	0.27 (67)	0.42 (105)
84 (2100)	0.03 (6)	0.09 (22)	0.20 (49)	0.33 (82)	0.55 (136)
108 (2700)	0.03 (7)	0.10 (25)	0.22 (55)	0.38 (95)	0.64 (159)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	64	52	49	46	47	50	53	48
	+2000	(+10.16)	58	45	42	40	43	45	46	42
	+1500	(+7.62)	50	36	32	31	38	38	38	34
	+1000	(+5.08)	38	23	18	18	31	28	26	22
All Lengths	+500	(+2.54)	19	10	10	10	18	11	10	10
	-500	(-2.54)	23	10	10	10	17	22	17	14
	-1000	(-5.08)	41	25	19	22	33	38	37	33
	-1500	(-7.62)	51	37	33	36	43	47	48	44
	-2000	(-10.16)	58	46	43	45	50	54	57	51
	-2500	(-12.7)	64	52	51	52	55	59	63	57

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-120
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500	(+12.7)	1.04	(259)	2	4	8	14	24	32	26	17
	+2000	(+10.16)	0.67	(167)	2	4	8	14	24	32	26	17
	+1500	(+7.62)	0.38	(95)	3	4	8	15	25	32	24	16
	+1000	(+5.08)	0.17	(42)	2	4	9	15	25	32	24	15
	+500	(+2.54)	0.04	(10)	3	4	9	16	26	32	24	15
	0	(0)	0.00	(0)	3	4	10	16	26	32	25	14
	-500	(-2.54)	0.04	(10)	3	5	10	17	27	32	26	14
	-1000	(-5.08)	0.17	(42)	4	5	11	17	27	32	26	14
	-1500	(-7.62)	0.38	(95)	4	6	11	17	28	32	26	14
	-2000	(-10.16)	0.67	(167)	3	6	11	18	28	33	27	13
	-2500	(-12.7)	1.04	(259)	3	6	11	18	28	33	27	13
60 (1500)	+2500	(+12.7)	1.08	(269)	4	6	12	21	37	44	34	22
	+2000	(+10.16)	0.69	(172)	4	6	13	22	38	45	33	22
	+1500	(+7.62)	0.39	(97)	4	6	13	22	39	45	32	20
	+1000	(+5.08)	0.17	(42)	4	6	13	23	39	45	31	19
	+500	(+2.54)	0.04	(10)	5	6	14	24	40	45	31	19
	0	(0)	0.00	(0)	5	6	15	24	40	42	32	18
	-500	(-2.54)	0.04	(10)	6	10	16	26	40	42	32	17
	-1000	(-5.08)	0.17	(42)	6	9	17	26	42	42	32	17
	-1500	(-7.62)	0.39	(97)	6	9	17	27	42	42	31	17
	-2000	(-10.16)	0.69	(172)	6	9	18	27	34	43	31	16
	-2500	(-12.7)	1.08	(269)	7	10	18	27	34	43	30	16
84 (2100)	+2500	(+12.7)	1.34	(332)	5	7	16	28	42	52	41	28
	+2000	(+10.16)	0.83	(206)	6	7	17	28	43	53	40	27
	+1500	(+7.62)	0.46	(114)	6	7	17	29	43	53	40	25
	+1000	(+5.08)	0.20	(50)	7	8	17	29	43	53	39	24
	+500	(+2.54)	0.05	(13)	7	8	18	30	43	53	38	23
	0	(0)	0.00	(0)	7	8	19	30	43	51	39	21
	-500	(-2.54)	0.05	(13)	8	10	20	32	43	51	38	20
	-1000	(-5.08)	0.20	(50)	8	10	21	32	44	49	38	20
	-1500	(-7.62)	0.46	(114)	9	11	22	32	43	46	36	19
	-2000	(-10.16)	0.83	(206)	10	11	23	30	38	45	34	19
	-2500	(-12.7)	1.34	(332)	10	12	23	30	38	45	32	19
108 (2700)	+2500	(+12.7)	1.48	(369)	7	7	20	34	47	61	49	33
	+2000	(+10.16)	0.91	(226)	7	8	20	35	47	61	48	32
	+1500	(+7.62)	0.50	(124)	8	9	21	36	46	61	47	30
	+1000	(+5.08)	0.22	(54)	9	9	22	36	46	61	46	28
	+500	(+2.54)	0.06	(15)	9	10	23	36	45	61	45	26
	0	(0)	0.00	(0)	9	10	23	37	46	61	46	24
	-500	(-2.54)	0.06	(15)	10	11	25	38	46	61	45	23
	-1000	(-5.08)	0.22	(54)	11	12	26	38	46	56	44	22
	-1500	(-7.62)	0.50	(124)	12	13	27	36	44	51	41	22
	-2000	(-10.16)	0.91	(226)	13	13	28	33	42	47	38	22
	-2500	(-12.7)	1.48	(369)	13	15	27	33	42	47	34	22

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.04 (10)	0.17 (42)	0.38 (95)	0.67 (167)	1.04 (259)
60 (1500)	0.04 (10)	0.17 (42)	0.39 (97)	0.69 (172)	1.08 (269)
84 (2100)	0.05 (13)	0.20 (50)	0.46 (114)	0.83 (206)	1.34 (332)
108 (2700)	0.06 (15)	0.22 (54)	0.50 (124)	0.91 (226)	1.48 (369)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500	(+12.7)	75	65	63	59	55	60	64	60
	+2000	(+10.16)	69	58	56	52	50	55	58	54
	+1500	(+7.62)	61	49	46	43	45	48	49	45
	+1000	(+5.08)	50	36	32	31	38	38	38	34
	+500	(+2.54)	30	14	10	10	25	21	17	14
	-500	(-2.54)	34	17	10	13	27	31	29	25
	-1000	(-5.08)	51	37	33	36	43	47	48	44
	-1500	(-7.62)	61	49	47	49	52	57	60	54
	-2000	(-10.16)	69	58	58	58	59	63	68	62
	-2500	(-12.7)	74	64	65	65	64	68	74	68

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	0.22	(55)	1	2	5	9	10	9	6	5
	+2000	(+10.16)	0.15	(36)	2	2	5	9	10	9	7	5
	+1500	(+7.62)	0.08	(21)	1	2	6	9	10	9	6	5
	+1000	(+5.08)	0.04	(10)	2	2	5	9	10	9	6	5
	+500	(+2.54)	0.01	(2)	2	2	6	10	10	9	7	5
36 (900)	0	(0)	0.00	(0)	1	2	6	10	10	10	7	3
	-500	(-2.54)	0.01	(2)	2	2	6	10	10	10	7	3
	-1000	(-5.08)	0.04	(10)	2	2	6	10	10	10	7	4
	-1500	(-7.62)	0.08	(21)	2	3	6	10	10	10	7	4
	-2000	(-10.16)	0.15	(36)	2	3	6	10	10	9	7	4
	-2500	(-12.7)	0.22	(55)	2	3	7	10	10	9	8	5
	+2500	(+12.7)	0.24	(59)	2	3	8	13	14	13	9	6
	+2000	(+10.16)	0.16	(39)	2	3	8	13	14	13	10	7
	+1500	(+7.62)	0.09	(22)	2	4	8	14	14	12	9	7
	+1000	(+5.08)	0.04	(11)	2	4	8	14	14	12	9	6
	+500	(+2.54)	0.01	(3)	2	4	9	14	14	12	9	6
60 (1500)	0	(0)	0.00	(0)	2	4	9	14	14	13	9	4
	-500	(-2.54)	0.01	(3)	3	4	9	15	14	12	9	5
	-1000	(-5.08)	0.04	(11)	2	4	9	15	14	12	9	5
	-1500	(-7.62)	0.09	(22)	3	4	10	15	14	12	9	5
	-2000	(-10.16)	0.16	(39)	2	4	10	15	14	12	9	6
	-2500	(-12.7)	0.24	(59)	3	4	10	15	14	12	9	6
	+2500	(+12.7)	0.25	(63)	2	5	11	17	19	16	12	8
	+2000	(+10.16)	0.17	(41)	3	5	11	18	19	16	12	8
	+1500	(+7.62)	0.09	(23)	3	5	11	18	19	16	12	8
	+1000	(+5.08)	0.04	(11)	3	5	11	18	18	16	11	8
	+500	(+2.54)	0.01	(3)	3	6	12	19	19	15	12	8
84 (2100)	0	(0)	0.00	(0)	3	5	12	19	19	16	11	6
	-500	(-2.54)	0.01	(3)	3	6	12	19	18	15	11	6
	-1000	(-5.08)	0.04	(11)	2	6	13	20	19	15	11	6
	-1500	(-7.62)	0.09	(23)	3	6	13	20	19	15	11	6
	-2000	(-10.16)	0.17	(41)	2	6	13	20	19	15	11	7
	-2500	(-12.7)	0.25	(63)	3	6	13	20	19	14	11	7
	+2500	(+12.7)	0.27	(66)	3	6	13	21	23	20	15	10
	+2000	(+10.16)	0.18	(44)	3	7	14	22	23	20	15	10
	+1500	(+7.62)	0.10	(25)	3	6	14	23	23	19	14	10
	+1000	(+5.08)	0.05	(11)	3	7	14	23	23	19	14	9
	+500	(+2.54)	0.02	(4)	3	7	15	23	23	19	14	9
108 (2700)	0	(0)	0.00	(0)	3	7	15	24	23	18	13	7
	-500	(-2.54)	0.02	(4)	3	7	15	24	23	18	13	8
	-1000	(-5.08)	0.05	(11)	3	7	16	24	23	18	13	7
	-1500	(-7.62)	0.10	(25)	3	7	16	25	23	18	13	7
	-2000	(-10.16)	0.18	(44)	3	7	16	25	23	17	13	8
	-2500	(-12.7)	0.27	(66)	4	8	16	25	23	17	13	8

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.04 (10)	0.08 (21)	0.15 (36)	0.22 (55)
60 (1500)	0.01 (3)	0.04 (11)	0.09 (22)	0.16 (39)	0.24 (59)
84 (2100)	0.01 (3)	0.04 (11)	0.09 (23)	0.17 (41)	0.25 (63)
108 (2700)	0.02 (4)	0.05 (11)	0.10 (25)	0.18 (44)	0.27 (66)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	56	43	39	38	42	43	44	40
	+2000	(+10.16)	50	36	32	31	38	38	38	34
	+1500	(+7.62)	42	27	22	22	33	31	29	26
	+1000	(+5.08)	30	14	10	10	25	21	17	14
All Lengths	+500	(+2.54)	11	10	10	10	13	10	10	10
	-500	(-2.54)	16	10	10	10	10	15	10	10
	-1000	(-5.08)	34	17	10	13	27	31	29	25
	-1500	(-7.62)	44	29	23	26	36	41	40	36
	-2000	(-10.16)	51	37	33	36	43	47	48	44
	-2500	(-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500	(+12.7)	0.49	(121)	2	4	7	11	13	14	13	9
	+2000	(+10.16)	0.31	(78)	3	4	8	11	13	14	13	9
	+1500	(+7.62)	0.16	(40)	3	4	8	12	12	13	13	9
	+1000	(+5.08)	0.07	(17)	3	4	8	12	12	13	12	8
	+500	(+2.54)	0.02	(4)	3	4	8	13	12	13	12	8
	0	(0)	0.00	(0)	3	4	9	13	12	13	12	7
	-500	(-2.54)	0.02	(4)	3	4	9	13	12	13	11	6
	-1000	(-5.08)	0.07	(17)	3	4	9	13	12	13	12	7
	-1500	(-7.62)	0.16	(40)	4	5	9	13	13	14	13	8
	-2000	(-10.16)	0.31	(78)	4	5	10	13	13	14	12	8
	-2500	(-12.7)	0.49	(121)	4	5	10	13	13	13	13	8
60 (1500)	+2500	(+12.7)	0.47	(117)	3	6	10	16	19	18	14	10
	+2000	(+10.16)	0.30	(74)	4	6	11	16	19	18	15	10
	+1500	(+7.62)	0.16	(39)	4	6	11	17	18	17	14	10
	+1000	(+5.08)	0.07	(17)	4	6	11	17	18	17	14	9
	+500	(+2.54)	0.02	(4)	5	6	12	18	18	17	14	9
	0	(0)	0.00	(0)	4	6	12	18	18	17	13	8
	-500	(-2.54)	0.02	(4)	5	6	13	18	18	16	13	7
	-1000	(-5.08)	0.07	(17)	5	6	13	18	18	16	13	8
	-1500	(-7.62)	0.16	(39)	5	7	13	18	19	17	14	8
	-2000	(-10.16)	0.30	(74)	5	7	13	19	19	16	14	8
	-2500	(-12.7)	0.47	(117)	5	7	13	19	19	16	14	9
84 (2100)	+2500	(+12.7)	0.45	(112)	4	7	13	21	25	22	16	11
	+2000	(+10.16)	0.29	(71)	5	7	14	21	25	22	17	11
	+1500	(+7.62)	0.15	(39)	5	7	14	22	24	21	16	11
	+1000	(+5.08)	0.07	(17)	6	7	15	23	24	21	16	10
	+500	(+2.54)	0.02	(5)	6	8	15	23	24	20	15	10
	0	(0)	0.00	(0)	6	8	16	23	24	20	14	8
	-500	(-2.54)	0.02	(5)	6	8	16	24	24	20	14	8
	-1000	(-5.08)	0.07	(17)	6	9	16	24	24	20	14	8
	-1500	(-7.62)	0.15	(39)	6	9	17	24	25	20	15	9
	-2000	(-10.16)	0.29	(71)	6	9	17	24	25	19	15	9
	-2500	(-12.7)	0.45	(112)	6	10	17	24	25	19	15	10
108 (2700)	+2500	(+12.7)	0.39	(98)	5	9	16	26	31	26	18	13
	+2000	(+10.16)	0.24	(60)	6	9	17	26	31	26	18	12
	+1500	(+7.62)	0.15	(37)	7	9	18	27	30	25	18	12
	+1000	(+5.08)	0.07	(17)	7	9	18	28	30	25	17	11
	+500	(+2.54)	0.02	(5)	7	10	18	28	30	24	17	11
	0	(0)	0.00	(0)	7	10	19	29	30	24	16	9
	-500	(-2.54)	0.02	(5)	8	10	20	29	30	23	16	8
	-1000	(-5.08)	0.07	(17)	7	11	20	29	30	23	15	9
	-1500	(-7.62)	0.15	(37)	7	11	20	29	30	23	16	9
	-2000	(-10.16)	0.24	(60)	7	12	21	30	31	22	16	10
	-2500	(-12.7)	0.39	(98)	6	13	21	30	31	22	17	11

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.07 (17)	0.16 (40)	0.31 (78)	0.49 (121)
60 (1500)	0.02 (4)	0.07 (17)	0.16 (39)	0.30 (74)	0.47 (117)
84 (2100)	0.02 (5)	0.07 (17)	0.15 (39)	0.29 (71)	0.45 (112)
108 (2700)	0.02 (5)	0.07 (17)	0.15 (37)	0.24 (60)	0.39 (98)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500	(+12.7)	64	52	49	46	47	50	53	48
	+2000	(+10.16)	58	45	42	40	43	45	46	42
	+1500	(+7.62)	50	36	32	31	38	38	38	34
	+1000	(+5.08)	38	23	18	18	31	28	26	22
	+500	(+2.54)	19	10	10	10	18	11	10	10
	-500	(-2.54)	23	10	10	10	17	22	17	14
	-1000	(-5.08)	41	25	19	22	33	38	37	33
	-1500	(-7.62)	51	37	33	36	43	47	48	44
	-2000	(-10.16)	58	46	43	45	50	54	57	51
	-2500	(-12.7)	64	52	51	52	55	59	63	57

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69 - 72	92 - 96	115 - 120	138 - 144	161 - 168	184 - 192	207 - 216	230 - 240	6 - 144	36 - 120
Metric	300	575-600	1150-1200	1725 - 1800	2300 - 2400	2875 - 3000	3450 - 3600	4025 - 4200	4600 - 4800	5175 - 5400	5750 - 6000	150 - 3600	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	1.39	(346)	3	5	10	14	15	18	19	13
	+2000	(+10.16)	0.89	(221)	3	5	10	14	15	18	19	13
	+1500	(+7.62)	0.46	(114)	4	6	10	14	15	18	19	13
	+1000	(+5.08)	0.20	(50)	4	6	11	15	15	18	18	12
	+500	(+2.54)	0.05	(12)	5	6	11	15	15	17	17	11
36 (900)	0	(0)	0.00	(0)	4	6	12	15	15	17	17	11
	-500	(-2.54)	0.05	(12)	4	6	12	15	15	16	16	9
	-1000	(-5.08)	0.20	(50)	5	6	12	16	15	17	18	11
	-1500	(-7.62)	0.46	(114)	5	7	13	16	15	18	18	11
	-2000	(-10.16)	0.89	(221)	6	7	13	16	16	18	17	11
	-2500	(-12.7)	1.39	(346)	6	7	13	16	16	18	17	11
	+2500	(+12.7)	1.34	(333)	7	10	17	21	25	25	21	13
	+2000	(+10.16)	0.85	(212)	6	10	17	21	25	25	21	13
	+1500	(+7.62)	0.45	(112)	7	10	17	22	26	26	21	13
	+1000	(+5.08)	0.20	(49)	7	10	17	22	26	26	20	12
	+500	(+2.54)	0.05	(13)	7	10	17	22	26	26	20	12
60 (1500)	0	(0)	0.00	(0)	6	10	17	22	26	26	20	12
	-500	(-2.54)	0.05	(13)	6	10	18	22	26	25	19	11
	-1000	(-5.08)	0.20	(49)	7	10	18	23	26	25	20	11
	-1500	(-7.62)	0.45	(112)	7	11	19	23	26	26	20	12
	-2000	(-10.16)	0.85	(212)	8	11	19	22	25	25	19	11
	-2500	(-12.7)	1.34	(333)	8	11	19	22	25	25	20	12
	+2500	(+12.7)	1.29	(321)	10	15	24	28	34	32	22	13
	+2000	(+10.16)	0.82	(203)	9	15	24	28	35	33	22	13
	+1500	(+7.62)	0.44	(110)	9	15	24	29	37	33	22	13
	+1000	(+5.08)	0.20	(49)	10	14	24	29	37	34	22	12
	+500	(+2.54)	0.05	(13)	9	14	24	29	37	35	23	12
84 (2100)	0	(0)	0.00	(0)	8	14	23	29	37	35	23	12
	-500	(-2.54)	0.05	(13)	9	14	24	29	37	34	22	12
	-1000	(-5.08)	0.20	(49)	10	14	25	30	37	33	22	12
	-1500	(-7.62)	0.44	(110)	9	15	25	30	37	33	22	12
	-2000	(-10.16)	0.82	(203)	10	15	25	29	35	32	21	12
	-2500	(-12.7)	1.29	(321)	11	15	25	29	35	32	22	13
	+2500	(+12.7)	1.24	(308)	13	20	31	36	44	39	24	14
	+2000	(+10.16)	0.78	(194)	12	19	31	36	44	40	23	13
	+1500	(+7.62)	0.43	(108)	11	19	31	37	48	41	24	13
	+1000	(+5.08)	0.19	(48)	12	18	31	37	48	42	24	12
	+500	(+2.54)	0.05	(13)	11	18	30	36	48	43	25	13
108 (2700)	0	(0)	0.00	(0)	10	18	29	36	48	44	26	13
	-500	(-2.54)	0.05	(13)	11	18	30	36	48	43	25	13
	-1000	(-5.08)	0.19	(48)	12	18	31	37	48	42	24	12
	-1500	(-7.62)	0.43	(108)	11	19	31	37	48	41	24	13
	-2000	(-10.16)	0.78	(194)	12	19	31	36	44	40	23	13
	-2500	(-12.7)	1.24	(308)	13	20	31	36	44	39	24	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.05 (12)	0.20 (50)	0.46 (114)	0.89 (221)	1.39 (346)
60 (1500)	0.05 (13)	0.20 (49)	0.45 (112)	0.85 (212)	1.34 (333)
84 (2100)	0.05 (13)	0.20 (49)	0.44 (110)	0.82 (203)	1.29 (321)
108 (2700)	0.05 (13)	0.19 (48)	0.43 (108)	0.78 (194)	1.24 (308)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	75	65	63	59	55	60	64	60
	+2000	(+10.16)	69	58	56	52	50	55	58	54
	+1500	(+7.62)	61	49	46	43	45	48	49	45
	+1000	(+5.08)	50	36	32	31	38	38	38	34
All Lengths	+500	(+2.54)	30	14	10	10	25	21	17	14
	-500	(-2.54)	34	17	10	13	27	31	29	25
	-1000	(-5.08)	51	37	33	36	43	47	48	44
	-1500	(-7.62)	61	49	47	49	52	57	60	54
	-2000	(-10.16)	69	58	58	58	59	63	68	62
	-2500	(-12.7)	74	64	65	65	64	68	74	68

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500	(+12.7)	0.27	(66)	1	3	5	8	8	8	3	1
	+2000	(+10.16)	0.16	(41)	1	3	5	8	8	8	3	1
	+1500	(+7.62)	0.10	(24)	1	3	5	8	8	8	3	1
	+1000	(+5.08)	0.05	(12)	1	3	5	8	7	8	3	1
	+500	(+2.54)	0.02	(4)	1	4	5	8	7	8	4	1
	0	(0)	0.00	(0)	2	4	6	8	8	8	4	1
	-500	(-2.54)	0.02	(4)	2	4	6	9	8	8	5	1
	-1000	(-5.08)	0.05	(12)	2	4	6	8	8	8	5	1
	-1500	(-7.62)	0.10	(24)	3	5	6	9	8	8	6	1
	-2000	(-10.16)	0.16	(41)	3	5	6	9	8	8	6	1
	-2500	(-12.7)	0.27	(66)	4	5	7	9	8	10	7	1
60 (1500)	+2500	(+12.7)	0.27	(67)	1	4	7	10	7	4	2	3
	+2000	(+10.16)	0.18	(45)	1	4	7	10	7	4	2	3
	+1500	(+7.62)	0.11	(28)	1	4	7	10	7	4	2	3
	+1000	(+5.08)	0.06	(14)	1	5	7	11	7	4	2	3
	+500	(+2.54)	0.02	(4)	2	5	8	10	7	4	2	2
	0	(0)	0.00	(0)	2	5	8	10	7	4	2	2
	-500	(-2.54)	0.02	(4)	2	5	8	11	7	4	2	2
	-1000	(-5.08)	0.06	(14)	3	6	8	11	7	4	3	2
	-1500	(-7.62)	0.11	(28)	3	6	8	11	7	4	3	3
	-2000	(-10.16)	0.18	(45)	3	7	9	11	7	4	3	4
	-2500	(-12.7)	0.27	(67)	4	8	9	12	8	5	4	4
84 (2100)	+2500	(+12.7)	0.30	(75)	2	5	10	14	11	9	8	5
	+2000	(+10.16)	0.17	(42)	3	5	10	15	11	9	8	5
	+1500	(+7.62)	0.11	(26)	3	6	10	15	10	9	7	5
	+1000	(+5.08)	0.05	(13)	3	6	11	15	10	9	8	5
	+500	(+2.54)	0.02	(5)	4	6	11	15	10	9	7	5
	0	(0)	0.00	(0)	4	6	11	15	10	9	8	4
	-500	(-2.54)	0.02	(5)	4	7	11	15	10	9	8	4
	-1000	(-5.08)	0.05	(13)	5	7	12	15	11	9	8	4
	-1500	(-7.62)	0.11	(26)	5	8	12	15	11	9	9	5
	-2000	(-10.16)	0.17	(42)	5	8	12	16	11	9	9	5
	-2500	(-12.7)	0.30	(75)	5	9	13	16	11	9	10	6
108 (2700)	+2500	(+12.7)	0.28	(71)	3	6	12	18	13	11	11	7
	+2000	(+10.16)	0.20	(51)	3	6	12	18	13	12	11	8
	+1500	(+7.62)	0.11	(26)	3	7	13	18	13	12	11	7
	+1000	(+5.08)	0.05	(11)	4	7	13	19	13	11	11	7
	+500	(+2.54)	0.02	(4)	4	7	14	19	13	11	11	7
	0	(0)	0.00	(0)	4	8	14	19	13	11	11	6
	-500	(-2.54)	0.02	(4)	5	8	15	19	13	11	11	6
	-1000	(-5.08)	0.05	(11)	5	9	15	19	13	11	11	6
	-1500	(-7.62)	0.11	(26)	5	9	15	19	13	12	11	7
	-2000	(-10.16)	0.20	(51)	6	10	15	20	14	12	12	8
	-2500	(-12.7)	0.28	(71)	6	10	16	20	14	12	13	8

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.02 (4)	0.05 (12)	0.10 (24)	0.16 (41)	0.27 (66)
60 (1500)	0.02 (4)	0.06 (14)	0.11 (28)	0.18 (45)	0.27 (67)
84 (2100)	0.02 (5)	0.05 (13)	0.11 (26)	0.17 (42)	0.30 (75)
108 (2700)	0.02 (4)	0.05 (11)	0.11 (26)	0.20 (51)	0.28 (71)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500	(+12.7)	57	45	41	39	43	45	46	42
	+2000	(+10.16)	51	38	33	32	39	39	39	35
	+1500	(+7.62)	43	28	23	23	34	32	31	27
	+1000	(+5.08)	32	15	12	12	27	22	19	16
	+500	(+2.54)	13	12	12	12	14	12	12	12
	-500	(-2.54)	18	12	12	12	12	17	12	12
	-1000	(-5.08)	35	18	12	15	28	33	30	26
	-1500	(-7.62)	45	30	25	28	38	42	42	37
	-2000	(-10.16)	53	39	35	37	44	49	50	45
	-2500	(-12.7)	58	45	43	44	50	54	56	51

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	0.72	(179)	1	3	6	9	9	10	8	3
	+2000	(+10.16)	0.47	(117)	2	4	6	10	9	9	7	3
	+1500	(+7.62)	0.26	(65)	2	4	6	10	9	9	7	3
	+1000	(+5.08)	0.12	(29)	2	5	6	10	9	9	7	3
	+500	(+2.54)	0.03	(7)	3	5	6	10	9	9	6	3
36 (900)	0	(0)	0.00	(0)	3	5	6	10	9	8	7	2
	-500	(-2.54)	0.03	(7)	4	6	7	10	9	8	7	2
	-1000	(-5.08)	0.12	(29)	4	6	7	10	9	8	7	2
	-1500	(-7.62)	0.26	(65)	4	6	7	10	9	9	8	2
	-2000	(-10.16)	0.47	(117)	4	7	7	10	9	9	8	3
	-2500	(-12.7)	0.72	(179)	6	7	7	10	9	9	8	3
	+2500	(+12.7)	0.40	(98)	3	5	8	12	11	7	4	5
	+2000	(+10.16)	0.27	(66)	3	6	8	12	10	6	4	5
	+1500	(+7.62)	0.16	(39)	3	5	8	12	11	7	4	5
	+1000	(+5.08)	0.07	(18)	3	6	8	12	10	6	4	5
	+500	(+2.54)	0.03	(6)	3	6	8	12	10	6	4	5
60 (1500)	0	(0)	0.00	(0)	5	7	9	12	10	6	4	4
	-500	(-2.54)	0.03	(6)	5	7	9	13	10	6	5	4
	-1000	(-5.08)	0.07	(18)	6	8	10	13	10	6	5	4
	-1500	(-7.62)	0.16	(39)	6	8	10	13	10	7	5	5
	-2000	(-10.16)	0.27	(66)	7	8	10	13	11	7	6	5
	-2500	(-12.7)	0.40	(98)	7	9	10	14	11	7	6	6
	+2500	(+12.7)	0.44	(108)	5	7	12	17	15	12	10	7
	+2000	(+10.16)	0.27	(68)	5	7	12	17	15	12	10	7
	+1500	(+7.62)	0.15	(38)	5	8	13	18	15	12	10	7
	+1000	(+5.08)	0.08	(19)	5	8	13	18	15	12	10	6
	+500	(+2.54)	0.03	(6)	6	9	13	18	15	12	10	6
84 (2100)	0	(0)	0.00	(0)	6	9	14	18	14	12	10	5
	-500	(-2.54)	0.03	(6)	7	9	14	18	14	12	10	4
	-1000	(-5.08)	0.08	(19)	8	10	14	19	14	12	10	5
	-1500	(-7.62)	0.15	(38)	9	10	15	19	15	12	10	6
	-2000	(-10.16)	0.27	(68)	9	11	15	19	15	12	11	6
	-2500	(-12.7)	0.44	(108)	9	11	16	19	15	12	11	7
	+2500	(+12.7)	0.42	(105)	5	8	14	21	18	15	13	9
	+2000	(+10.16)	0.26	(64)	6	9	14	21	18	15	13	9
	+1500	(+7.62)	0.13	(33)	6	10	15	22	18	14	13	9
	+1000	(+5.08)	0.07	(17)	7	10	16	22	17	14	13	9
	+500	(+2.54)	0.03	(7)	7	10	16	22	17	14	12	8
108 (2700)	0	(0)	0.00	(0)	7	11	17	22	17	14	12	7
	-500	(-2.54)	0.03	(7)	8	12	17	23	17	14	12	7
	-1000	(-5.08)	0.07	(17)	9	12	17	23	17	14	12	7
	-1500	(-7.62)	0.13	(33)	9	13	18	23	18	14	13	8
	-2000	(-10.16)	0.26	(64)	10	13	19	24	18	15	14	9
	-2500	(-12.7)	0.42	(105)	10	14	19	25	19	15	14	9

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.03 (7)	0.12 (29)	0.26 (65)	0.47 (117)	0.72 (179)
60 (1500)	0.03 (6)	0.07 (18)	0.16 (39)	0.27 (66)	0.40 (98)
84 (2100)	0.03 (6)	0.08 (19)	0.15 (38)	0.27 (68)	0.44 (108)
108 (2700)	0.03 (7)	0.07 (17)	0.13 (33)	0.26 (64)	0.42 (105)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500	(+12.7)	67	55	52	49	50	53	56	51
	+2000	(+10.16)	61	48	45	43	46	48	49	45
	+1500	(+7.62)	53	39	35	34	41	41	41	37
	+1000	(+5.08)	41	26	21	21	34	31	29	25
All Lengths	+500	(+2.54)	22	13	13	13	21	14	13	13
	-500	(-2.54)	26	13	13	13	20	25	20	17
	-1000	(-5.08)	44	28	22	25	36	41	40	36
	-1500	(-7.62)	54	40	36	39	46	50	51	47
	-2000	(-10.16)	61	49	46	48	53	57	60	54
	-2500	(-12.7)	67	55	54	55	58	62	66	60

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model RHT/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width							Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	105-114	140-152	175-190	210-228	6-144	36-120
Metric	450-475	875-950	1750-1900	2625-2850	3500-3800	4375-4750	5250-5700	150-3600	900-3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500	(+12.7)	2.80	(697)	3	5	8	12	13	13	11	6
	+2000	(+10.16)	1.80	(449)	3	5	8	12	13	13	11	6
	+1500	(+7.62)	1.02	(254)	3	5	8	12	12	13	10	6
	+1000	(+5.08)	0.45	(111)	4	6	9	13	12	12	10	5
	+500	(+2.54)	0.09	(22)	4	6	9	13	12	11	9	5
	0	(0)	0.00	(0)	4	7	10	13	12	12	9	4
	-500	(-2.54)	0.09	(22)	5	7	10	13	12	12	9	4
	-1000	(-5.08)	0.45	(111)	5	7	10	13	13	13	10	5
	-1500	(-7.62)	1.02	(254)	6	8	11	14	14	13	10	5
	-2000	(-10.16)	1.80	(449)	7	8	11	14	14	12	11	6
	-2500	(-12.7)	2.80	(697)	7	8	11	14	14	12	11	6
60 (1500)	+2500	(+12.7)	1.13	(280)	4	8	10	15	16	12	10	10
	+2000	(+10.16)	0.68	(169)	4	8	11	16	16	12	10	9
	+1500	(+7.62)	0.40	(99)	5	8	11	17	16	12	9	9
	+1000	(+5.08)	0.18	(44)	5	9	12	17	16	11	9	9
	+500	(+2.54)	0.04	(10)	6	9	12	17	16	11	8	8
	0	(0)	0.00	(0)	6	10	12	17	15	10	8	7
	-500	(-2.54)	0.04	(10)	7	10	13	17	15	10	7	6
	-1000	(-5.08)	0.18	(44)	8	11	13	17	15	10	8	6
	-1500	(-7.62)	0.40	(99)	8	12	13	17	15	10	8	7
	-2000	(-10.16)	0.68	(169)	9	12	14	18	15	10	8	7
	-2500	(-12.7)	1.13	(280)	9	13	14	18	15	10	8	7
84 (2100)	+2500	(+12.7)	0.79	(196)	6	10	13	19	21	17	15	11
	+2000	(+10.16)	0.49	(123)	6	10	13	20	21	17	15	10
	+1500	(+7.62)	0.28	(70)	7	11	14	21	21	17	14	10
	+1000	(+5.08)	0.13	(31)	8	12	15	22	21	17	14	9
	+500	(+2.54)	0.04	(10)	9	13	15	22	21	16	13	8
	0	(0)	0.00	(0)	9	12	15	22	21	16	13	8
	-500	(-2.54)	0.04	(10)	10	13	16	22	21	16	13	7
	-1000	(-5.08)	0.13	(31)	11	14	16	23	21	16	14	8
	-1500	(-7.62)	0.28	(70)	11	14	17	23	21	16	14	8
	-2000	(-10.16)	0.49	(123)	12	14	17	24	21	16	14	9
	-2500	(-12.7)	0.79	(196)	13	15	18	24	22	16	14	10
108 (2700)	+2500	(+12.7)	0.82	(204)	8	12	16	24	26	21	17	13
	+2000	(+10.16)	0.57	(142)	9	12	17	24	26	21	17	12
	+1500	(+7.62)	0.29	(73)	9	13	17	25	26	21	16	12
	+1000	(+5.08)	0.14	(35)	10	14	18	26	26	20	16	11
	+500	(+2.54)	0.04	(10)	10	14	19	27	26	20	15	10
	0	(0)	0.00	(0)	11	15	20	27	26	20	14	9
	-500	(-2.54)	0.04	(10)	12	15	20	28	26	20	15	9
	-1000	(-5.08)	0.14	(35)	13	16	21	28	26	20	15	8
	-1500	(-7.62)	0.29	(73)	14	16	22	28	26	20	16	10
	-2000	(-10.16)	0.57	(142)	16	17	22	29	26	20	16	10
	-2500	(-12.7)	0.82	(204)	16	17	23	26	27	20	17	11

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.09 (22)	0.45 (111)	1.02 (254)	1.80 (449)	2.80 (697)
60 (1500)	0.04 (10)	0.18 (44)	0.40 (99)	0.68 (169)	1.13 (280)
84 (2100)	0.04 (10)	0.13 (31)	0.28 (70)	0.49 (123)	0.79 (196)
108 (2700)	0.04 (10)	0.14 (35)	0.29 (73)	0.57 (142)	0.82 (204)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500	(+12.7)	77	67	65	60	56	62	66	62
	+2000	(+10.16)	71	60	57	53	52	56	59	55
	+1500	(+7.62)	63	50	47	45	47	49	51	47
	+1000	(+5.08)	51	38	33	32	39	39	39	35
	+500	(+2.54)	32	15	12	12	27	22	19	16
	-500	(-2.54)	35	18	12	15	28	33	30	26
	-1000	(-5.08)	53	39	35	37	44	49	50	45
	-1500	(-7.62)	63	51	49	50	54	58	61	56
	-2000	(-10.16)	70	59	59	59	61	65	70	64
	-2500	(-12.7)	76	66	67	67	66	70	76	70

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Product Information

Models

Rectangular Film Lined Extended Casing Silencers

Rectangular Film Lined Extended Casing Low Velocity **RLTX**
Rectangular Film Lined Extended Casing Medium Velocity **RMTX**
Rectangular Film Lined Extended Casing High Velocity **RHTX**

Price Absorptive Rectangular Film Lined Extended Casing Silencers are designed with large baffles that extend past the standard casing with a thin polymer film liner that encapsulates the acoustic media. This combination provides improved insertion loss in lower frequencies and protects the acoustic media from moisture and airborne contaminants. A minimal system pressure drop is maintained by utilizing the same internal geometries of the standard absorptive silencers.

Features

- Thin film liner that encapsulates the acoustic media for added protection.
- Acoustic standoff that separates the polymer from perforated metal to ensure the highest levels of insertion loss.
- Larger baffles that target difficult low frequency duct noise.
- The same engineered internal geometries that are used in the standard absorptive silencers to maximize insertion loss and minimize pressure drop.

RLTX Silencers

Price RLTX silencers are designed for low velocity applications. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a constant gap and smooth aerodynamic surface throughout, these silencers are best suited for applications with velocities below 750 fpm, where high insertion loss is the priority.

RMTX Silencers

Price RMTX silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequncies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 1750 fpm or less.

RHTX Silencers

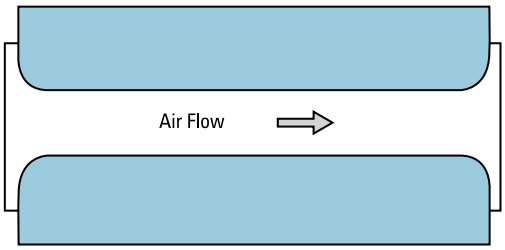
Price RHTX silencers are designed for high velocity applications. This high velocity configuration minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the full range of frequencies. This silencer is best suited for applications where high air velocities cannot be avoided.

Recommended Air Velocity Ranges

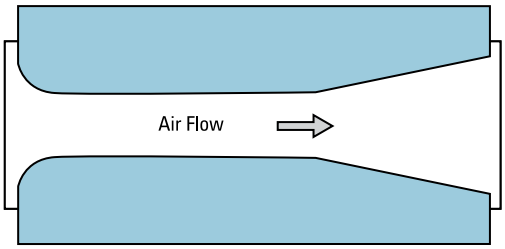
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
RLTX	Low Velocity Silencer	0 - 750
RMTX	Medium Velocity Silencer	0-1750
RHTX	High Velocity Silencer	0-2500

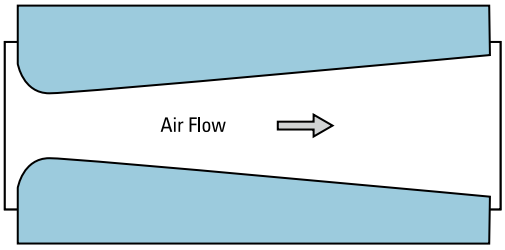
RLTX - Rectangular Low Velocity



RMTX - Rectangular Medium Velocity



RHTX - Rectangular High Velocity



RLTX60/6A

- Air Velocity
  - L - Low Velocity
  - M - Medium Velocity
  - H - High Velocity
- Length
  - Range from 36" - 108"
- Module Factor
  - 1 - 12" - 13.99"
  - 2 - 14" - 16.99"
  - 3 - 17" - 18.99"
  - 4 - 19" - 20.99"
  - 5 - 21" - 22.99"
  - 6 - 23" - 24.99"
  - 7 - 25" - 26.99"
  - 8 - 27" - 28.99"
  - 9 - 29" - 30.99"
  - U - 31" - 32.99"
  - V - 33" - 34.99"
  - W - 35" - 38.99"
  - X - 39" - 42.99"
  - Y - 43" - 46.99"
  - Z - 47" - 50"
- Pressure/Attenuation Code
  - Range From A - G

Product Information Index

Performance Data M186-M212
Suggested Specification M363

NOISE CONTROL

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Product Information

Construction

Price absorptive rectangular film lined extended casing silencers consist of an solid metal casing, minimum 26 gauge perforated metal liner, film liner, acoustic standoff, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Liner

A thin polymer film is wrapped around the fiberglass media to provide a barrier against elements that may be found in the air stream. To ensure that acoustic performance is maintained, an acoustic standoff is placed between the perforated metal and the film liner.

Components

Rectangular silencers that exceed a width of 48 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensional Data

Price absorptive rectangular film lined extended casing silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

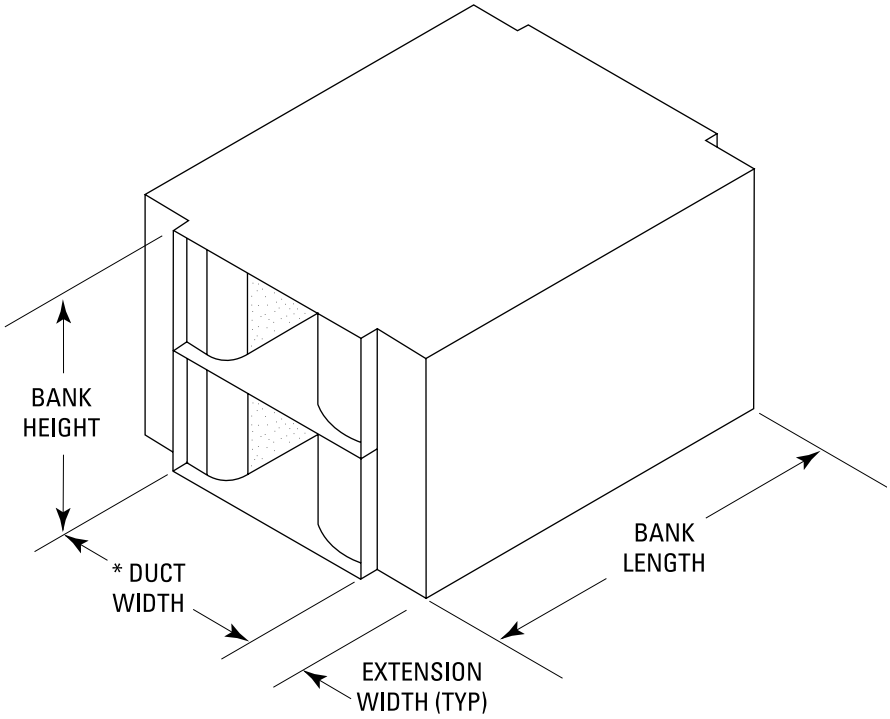
- Paint
- Flanges
- Slip & drive connections
- Factory Bank Assembly
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction		Transmission Loss (dB)							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Duct width & bank height typically equal the duct dimensions

Standard Dimension Limits

Duct Width		Bank Width		Bank Height		Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
12	84	24	96	6	144	36	108	24	59	6	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.
- Bank width equals duct width plus extension width.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.02 (4)	2	3	7	13	20	20	15	10
	+500 (+2.54)	0.01 (2)	2	3	7	13	21	20	15	10
	0 (0)	0.00 (0)	2	3	7	14	21	20	15	10
	-500 (-2.54)	0.01 (2)	2	3	7	14	21	20	15	10
	-750 (-3.81)	0.02 (4)	2	3	7	14	21	20	15	10
60 (1500)	+750 (+3.81)	0.02 (6)	4	4	11	21	36	39	24	12
	+500 (+2.54)	0.01 (3)	4	4	11	21	36	39	24	13
	0 (0)	0.00 (0)	4	4	11	21	36	39	24	13
	-500 (-2.54)	0.01 (3)	4	4	11	21	37	39	24	13
	-750 (-3.81)	0.02 (6)	4	4	11	21	37	39	24	13
84 (2100)	+750 (+3.81)	0.03 (7)	5	6	14	26	39	45	28	14
	+500 (+2.54)	0.01 (3)	5	6	14	26	40	45	28	14
	0 (0)	0.00 (0)	5	6	14	26	40	45	28	14
	-500 (-2.54)	0.01 (3)	5	6	14	26	40	45	28	14
	-750 (-3.81)	0.03 (7)	5	6	14	26	40	45	28	14
108 (2700)	+750 (+3.81)	0.03 (7)	6	8	17	31	43	51	32	15
	+500 (+2.54)	0.02 (4)	6	8	17	31	43	51	32	15
	0 (0)	0.00 (0)	6	8	17	31	43	51	32	15
	-500 (-2.54)	0.02 (4)	6	8	17	31	44	51	32	16
	-750 (-3.81)	0.03 (7)	6	8	17	31	44	51	32	16

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (2)	0.02 (4)
60 (1500)	0.01 (3)	0.02 (6)
84 (2100)	0.01 (3)	0.03 (7)
108 (2700)	0.01 (4)	0.03 (7)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	21	10	10	18	16	10	10	10
	+500 (+2.54)	11	10	10	11	10	10	10	10
	-500 (-2.54)	11	10	13	23	17	10	10	10
	-750 (-3.81)	19	13	19	28	23	16	10	10

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.04 (9)	4	5	11	19	28	31	22	13
	+500 (+2.54)	0.02 (4)	4	5	11	19	28	31	22	13
	0 (0)	0.00 (0)	4	5	11	20	29	31	22	13
	-500 (-2.54)	0.02 (4)	4	5	12	20	29	31	22	13
	-750 (-3.81)	0.04 (9)	4	5	12	20	29	31	22	13
60 (1500)	+750 (+3.81)	0.04 (9)	6	8	15	27	40	50	29	18
	+500 (+2.54)	0.02 (4)	6	8	15	27	40	50	29	18
	0 (0)	0.00 (0)	6	8	15	28	41	50	29	18
	-500 (-2.54)	0.02 (4)	6	8	15	28	41	50	29	18
	-750 (-3.81)	0.04 (9)	6	8	15	28	41	50	29	18
84 (2100)	+750 (+3.81)	0.04 (10)	8	10	20	31	42	55	36	22
	+500 (+2.54)	0.02 (5)	9	10	21	31	42	55	36	22
	0 (0)	0.00 (0)	9	10	21	31	42	55	36	22
	-500 (-2.54)	0.02 (5)	9	11	21	31	43	55	36	22
	-750 (-3.81)	0.04 (10)	9	11	22	31	43	55	36	22
108 (2700)	+750 (+3.81)	0.05 (12)	11	12	26	34	44	55	42	26
	+500 (+2.54)	0.02 (5)	11	12	26	34	44	55	42	26
	0 (0)	0.00 (0)	11	13	27	34	44	55	43	26
	-500 (-2.54)	0.02 (5)	11	13	28	35	45	55	43	26
	-750 (-3.81)	0.05 (12)	11	13	28	35	45	55	43	26

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.02 (4)	0.04 (9)
60 (1500)	0.02 (4)	0.04 (9)
84 (2100)	0.02 (5)	0.04 (10)
108 (2700)	0.02 (5)	0.05 (12)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	28	10	12	23	22	15	10	10
	+500 (+2.54)	18	10	10	16	14	10	10	10
	-500 (-2.54)	17	11	17	27	21	14	10	10
	-750 (-3.81)	25	18	24	31	27	22	10	10

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.10 (24)	6	7	15	25	36	42	29	15
	+500 (+2.54)	0.05 (11)	6	7	15	25	36	42	29	15
	0 (0)	0.00 (0)	6	8	16	25	36	42	29	15
	-500 (-2.54)	0.05 (11)	7	8	16	26	37	42	29	15
	-750 (-3.81)	0.10 (24)	7	8	17	26	37	42	29	16
60 (1500)	+750 (+3.81)	0.12 (29)	8	12	24	33	43	55	51	23
	+500 (+2.54)	0.05 (13)	8	12	24	33	43	55	51	23
	0 (0)	0.00 (0)	8	12	25	33	43	55	52	23
	-500 (-2.54)	0.05 (13)	8	12	25	33	44	55	52	24
	-750 (-3.81)	0.12 (29)	8	13	26	34	44	55	52	24
84 (2100)	+750 (+3.81)	0.12 (30)	12	14	26	34	43	55	55	30
	+500 (+2.54)	0.05 (13)	12	14	26	34	44	55	55	30
	0 (0)	0.00 (0)	12	15	27	35	44	55	55	30
	-500 (-2.54)	0.05 (13)	13	15	28	36	45	55	55	31
	-750 (-3.81)	0.12 (30)	13	15	28	36	45	55	55	31
108 (2700)	+750 (+3.81)	0.13 (31)	16	17	28	36	44	55	55	36
	+500 (+2.54)	0.06 (14)	16	17	28	37	44	55	55	37
	0 (0)	0.00 (0)	16	18	29	37	45	55	55	37
	-500 (-2.54)	0.06 (14)	17	18	30	38	46	55	55	37
	-750 (-3.81)	0.13 (31)	17	18	31	38	46	33	34	37

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.05 (11)	0.10 (24)
60 (1500)	0.05 (13)	0.12 (29)
84 (2100)	0.05 (13)	0.12 (30)
108 (2700)	0.06 (14)	0.13 (31)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	37	15	22	30	30	25	16	10
	+500 (+2.54)	28	10	12	23	22	15	10	10
	-500 (-2.54)	25	18	24	31	27	22	10	10
	-750 (-3.81)	33	26	30	35	33	31	21	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.01 (3)	2	4	8	11	11	10	8	7
	+500 (+2.54)	0.01 (2)	2	4	8	11	11	10	8	7
	0 (0)	0.00 (0)	2	4	8	11	11	10	8	7
	-500 (-2.54)	0.01 (2)	2	4	8	11	11	10	8	7
	-750 (-3.81)	0.01 (3)	2	4	9	11	11	10	8	7
60 (1500)	+750 (+3.81)	0.01 (4)	3	6	12	16	17	14	10	8
	+500 (+2.54)	0.01 (2)	3	6	13	16	17	14	10	8
	0 (0)	0.00 (0)	3	7	13	16	18	14	10	8
	-500 (-2.54)	0.01 (2)	3	7	13	16	18	14	10	8
	-750 (-3.81)	0.01 (4)	3	7	13	16	18	14	10	8
84 (2100)	+750 (+3.81)	0.01 (4)	4	9	17	21	24	18	12	8
	+500 (+2.54)	0.01 (2)	4	9	17	21	24	18	12	8
	0 (0)	0.00 (0)	4	9	17	21	24	18	12	8
	-500 (-2.54)	0.01 (2)	4	9	17	21	25	18	12	8
	-750 (-3.81)	0.01 (4)	4	9	17	21	25	18	12	8
108 (2700)	+750 (+3.81)	0.02 (4)	4	11	21	26	31	22	13	9
	+500 (+2.54)	0.01 (2)	4	11	21	26	31	22	13	9
	0 (0)	0.00 (0)	4	11	21	26	31	22	13	9
	-500 (-2.54)	0.01 (2)	4	12	22	26	32	22	13	9
	-750 (-3.81)	0.02 (4)	4	12	22	26	32	22	13	9

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (2)	0.01 (3)
60 (1500)	0.01 (2)	0.01 (4)
84 (2100)	0.01 (2)	0.01 (4)
108 (2700)	0.01 (2)	0.02 (4)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	21	10	10	18	16	10	10	10
	+500 (+2.54)	11	10	10	11	10	10	10	10
	-500 (-2.54)	11	10	13	23	17	10	10	10
	-750 (-3.81)	19	13	19	28	23	16	10	10

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.03 (7)	4	6	11	15	17	16	11	8
	+500 (+2.54)	0.01 (3)	4	6	12	15	17	16	11	8
	0 (0)	0.00 (0)	4	6	12	15	17	16	11	8
	-500 (-2.54)	0.01 (3)	4	6	12	15	18	16	11	8
	-750 (-3.81)	0.03 (7)	4	6	12	15	18	16	11	8
60 (1500)	+750 (+3.81)	0.03 (8)	5	8	17	24	24	21	13	7
	+500 (+2.54)	0.02 (4)	5	8	17	24	24	21	13	7
	0 (0)	0.00 (0)	5	9	17	25	25	21	13	7
	-500 (-2.54)	0.02 (4)	5	9	18	25	25	21	13	7
	-750 (-3.81)	0.03 (8)	5	9	18	25	25	21	13	7
84 (2100)	+750 (+3.81)	0.03 (9)	8	11	23	28	32	26	16	10
	+500 (+2.54)	0.02 (4)	8	11	23	28	32	26	16	10
	0 (0)	0.00 (0)	8	11	24	28	33	26	16	10
	-500 (-2.54)	0.02 (4)	8	12	24	29	33	26	16	10
	-750 (-3.81)	0.03 (9)	8	12	25	29	33	26	16	10
108 (2700)	+750 (+3.81)	0.04 (9)	10	14	30	32	40	30	19	13
	+500 (+2.54)	0.02 (4)	11	14	30	32	40	30	19	13
	0 (0)	0.00 (0)	11	14	31	32	41	30	19	13
	-500 (-2.54)	0.02 (4)	11	15	31	33	41	30	19	13
	-750 (-3.81)	0.04 (9)	11	15	32	33	41	30	19	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (3)	0.03 (7)
60 (1500)	0.02 (4)	0.03 (8)
84 (2100)	0.02 (4)	0.03 (9)
108 (2700)	0.02 (4)	0.04 (9)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	28	10	12	23	22	15	10	10
	+500 (+2.54)	18	10	10	16	14	10	10	10
	-500 (-2.54)	17	11	17	27	21	14	10	10
	-750 (-3.81)	25	18	24	31	27	22	10	10

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.08 (20)	6	8	14	18	24	23	14	8
	+500 (+2.54)	0.04 (9)	6	8	15	19	24	23	14	8
	0 (0)	0.00 (0)	6	8	15	19	24	23	14	8
	-500 (-2.54)	0.04 (9)	6	8	16	19	24	23	14	9
	-750 (-3.81)	0.08 (20)	6	9	16	19	25	23	14	9
60 (1500)	+750 (+3.81)	0.09 (22)	10	12	20	26	37	41	25	13
	+500 (+2.54)	0.04 (10)	10	12	21	26	37	41	25	13
	0 (0)	0.00 (0)	10	12	21	27	37	41	25	13
	-500 (-2.54)	0.04 (10)	10	12	21	27	38	41	25	13
	-750 (-3.81)	0.09 (22)	10	12	22	27	38	41	25	13
84 (2100)	+750 (+3.81)	0.09 (23)	14	15	28	30	40	44	27	14
	+500 (+2.54)	0.04 (11)	14	15	28	31	40	44	27	14
	0 (0)	0.00 (0)	14	15	29	31	41	44	27	15
	-500 (-2.54)	0.04 (11)	15	16	30	32	41	44	28	15
	-750 (-3.81)	0.09 (23)	15	16	30	32	42	44	28	15
108 (2700)	+750 (+3.81)	0.10 (25)	18	18	36	35	43	47	30	16
	+500 (+2.54)	0.05 (12)	18	18	36	35	43	47	30	16
	0 (0)	0.00 (0)	19	19	37	36	44	47	30	16
	-500 (-2.54)	0.05 (12)	19	19	38	36	45	47	30	16
	-750 (-3.81)	0.10 (25)	19	19	39	36	45	47	30	17

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.04 (9)	0.08 (20)
60 (1500)	0.04 (10)	0.09 (22)
84 (2100)	0.04 (11)	0.09 (23)
108 (2700)	0.05 (12)	0.10 (25)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	37	15	22	30	30	25	16	10
	+500 (+2.54)	28	10	12	23	22	15	10	10
	-500 (-2.54)	25	18	24	31	27	22	10	10
	-750 (-3.81)	33	26	30	35	33	31	21	14

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.02 (5)	3	5	7	9	8	8	6	1
	+500 (+2.54)	0.01 (3)	3	5	7	9	8	8	6	1
	0 (0)	0.00 (0)	3	5	7	9	8	8	6	1
	-500 (-2.54)	0.01 (3)	3	5	7	9	8	8	6	1
	-750 (-3.81)	0.02 (5)	3	5	7	9	8	8	6	1
60 (1500)	+750 (+3.81)	0.02 (6)	4	7	9	13	10	6	4	3
	+500 (+2.54)	0.01 (3)	4	7	9	13	10	6	4	3
	0 (0)	0.00 (0)	4	7	9	13	10	6	4	3
	-500 (-2.54)	0.01 (3)	4	7	9	13	10	6	4	3
	-750 (-3.81)	0.02 (6)	5	7	9	13	10	6	4	3
84 (2100)	+750 (+3.81)	0.02 (5)	7	8	14	18	13	11	10	6
	+500 (+2.54)	0.01 (3)	7	8	14	18	14	11	10	6
	0 (0)	0.00 (0)	7	9	14	18	14	11	10	6
	-500 (-2.54)	0.01 (3)	7	9	14	18	14	11	10	6
	-750 (-3.81)	0.02 (5)	7	9	15	18	14	11	10	6
108 (2700)	+750 (+3.81)	0.03 (7)	8	11	16	23	16	12	9	4
	+500 (+2.54)	0.01 (3)	8	11	16	23	17	12	9	4
	0 (0)	0.00 (0)	8	11	16	23	17	12	9	4
	-500 (-2.54)	0.01 (3)	9	11	17	23	17	12	9	4
	-750 (-3.81)	0.03 (7)	9	11	17	23	17	12	9	4

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.01 (3)	0.02 (5)
60 (1500)	0.01 (3)	0.02 (6)
84 (2100)	0.01 (3)	0.02 (5)
108 (2700)	0.01 (3)	0.03 (7)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	29	12	13	24	23	16	12	12
	+500 (+2.54)	19	12	12	17	15	12	12	12
	-500 (-2.54)	18	12	19	28	23	15	12	12
	-750 (-3.81)	26	20	25	32	29	24	12	12

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.05 (12)	4	7	8	11	9	8	7	5
	+500 (+2.54)	0.02 (5)	4	7	8	11	9	8	7	5
	0 (0)	0.00 (0)	4	7	9	12	10	8	7	5
	-500 (-2.54)	0.02 (5)	5	8	9	12	10	8	7	5
	-750 (-3.81)	0.05 (12)	5	8	9	12	10	8	7	5
60 (1500)	+750 (+3.81)	0.05 (13)	8	10	11	16	15	10	6	5
	+500 (+2.54)	0.02 (6)	8	11	11	16	15	10	6	5
	0 (0)	0.00 (0)	8	11	12	17	15	10	6	5
	-500 (-2.54)	0.02 (6)	8	11	12	17	16	10	6	5
	-750 (-3.81)	0.05 (13)	8	11	12	17	16	10	6	5
84 (2100)	+750 (+3.81)	0.05 (13)	10	12	16	23	21	15	11	6
	+500 (+2.54)	0.02 (6)	10	12	16	23	21	15	11	6
	0 (0)	0.00 (0)	11	13	17	23	21	15	11	6
	-500 (-2.54)	0.02 (6)	11	13	17	24	22	15	11	6
	-750 (-3.81)	0.05 (13)	11	13	17	24	22	15	11	6
108 (2700)	+750 (+3.81)	0.05 (13)	12	14	19	28	28	21	15	8
	+500 (+2.54)	0.02 (6)	12	14	19	28	28	21	15	8
	0 (0)	0.00 (0)	13	15	19	28	28	21	15	8
	-500 (-2.54)	0.02 (6)	13	15	20	29	29	21	15	8
	-750 (-3.81)	0.05(13)	13	15	20	29	29	21	15	8

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.02 (5)	0.05 (12)
60 (1500)	0.02 (6)	0.05 (13)
84 (2100)	0.02 (6)	0.05 (13)
108 (2700)	0.02 (6)	0.05 (13)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	36	12	20	30	29	24	13	12
	+500 (+2.54)	26	12	12	22	21	13	12	12
	-500 (-2.54)	24	18	23	31	27	21	12	12
	-750 (-3.81)	32	25	30	36	33	30	18	12

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RLTX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.12 (31)	5	8	13	17	16	15	12	7
	+500 (+2.54)	0.06 (14)	5	9	14	17	17	15	12	8
	0 (0)	0.00 (0)	5	9	14	17	17	15	12	8
	-500 (-2.54)	0.06 (14)	6	9	15	18	17	15	12	8
	-750 (-3.81)	0.12 (31)	6	9	15	18	17	15	12	8
60 (1500)	+750 (+3.81)	0.14 (36)	10	15	17	24	28	21	15	10
	+500 (+2.54)	0.07 (18)	10	15	17	24	28	21	15	10
	0 (0)	0.00 (0)	10	15	17	24	28	21	15	10
	-500 (-2.54)	0.07 (18)	10	16	18	25	28	21	15	10
	-750 (-3.81)	0.14 (36)	11	16	18	25	29	21	15	10
84 (2100)	+750 (+3.81)	0.15 (38)	10	17	21	30	35	28	17	9
	+500 (+2.54)	0.07 (18)	10	17	21	30	36	28	17	9
	0 (0)	0.00 (0)	11	18	22	31	37	28	17	10
	-500 (-2.54)	0.07 (18)	11	19	23	32	37	28	17	10
	-750 (-3.81)	0.15 (38)	11	19	23	32	38	28	17	10
108 (2700)	+750 (+3.81)	0.15 (38)	15	19	26	35	43	35	21	12
	+500 (+2.54)	0.08 (19)	15	19	26	35	43	35	21	12
	0 (0)	0.00 (0)	16	20	27	36	44	35	21	12
	-500 (-2.54)	0.08 (19)	16	21	28	37	45	35	22	12
	-750 (-3.81)	0.15 (38)	17	21	29	37	45	35	22	12

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.06 (14)	0.12 (31)
60 (1500)	0.07 (18)	0.14 (36)
84 (2100)	0.07 (18)	0.15 (38)
108 (2700)	0.08 (19)	0.15 (38)

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	46	26	30	37	37	34	27	20
	+500 (+2.54)	36	12	22	30	29	24	13	12
	-500 (-2.54)	32	25	31	36	33	30	18	12
	-750 (-3.81)	41	33	36	40	39	38	31	24

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-325	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.05 (12)	1	3	6	13	22	22	17	12
	+1250 (+6.35)	0.03 (6)	1	3	6	13	22	22	17	12
	+750 (+3.81)	0.01 (2)	1	3	6	13	22	22	17	12
	+375 (+1.91)	0.01 (2)	1	3	6	13	22	22	17	12
	0 (0)	0.00 (0)	1	3	6	13	22	22	17	12
	-375 (-1.91)	0.01 (2)	1	3	6	13	22	22	17	12
	-750 (-3.81)	0.01 (2)	1	3	6	13	22	22	17	12
	-1250 (-6.35)	0.03 (6)	1	3	6	13	23	22	17	12
	-1750 (-8.89)	0.05 (12)	1	3	6	13	23	22	17	12
60 (1500)	+1750 (+8.89)	0.06 (15)	3	4	9	19	28	31	22	14
	+1250 (+6.35)	0.03 (8)	3	4	9	19	28	31	22	14
	+750 (+3.81)	0.01 (3)	3	4	9	19	29	31	22	14
	+375 (+1.91)	0.01 (2)	3	4	10	19	29	31	22	14
	0 (0)	0.00 (0)	3	4	10	19	29	31	22	14
	-375 (-1.91)	0.01 (2)	3	4	10	19	29	31	22	14
	-750 (-3.81)	0.01 (3)	3	4	10	19	29	31	23	14
	-1250 (-6.35)	0.03 (8)	3	4	10	20	29	31	23	15
	-1750 (-8.89)	0.06 (15)	3	4	10	20	30	31	23	15
84 (2100)	+1750 (+8.89)	0.07 (17)	4	5	13	25	35	41	28	16
	+1250 (+6.35)	0.04 (9)	4	5	13	25	35	41	28	16
	+750 (+3.81)	0.01 (3)	4	5	13	25	35	41	28	16
	+375 (+1.91)	0.01 (2)	4	5	13	25	36	41	28	16
	0 (0)	0 (0)	4	5	13	25	36	41	28	17
	-375 (-1.91)	0.01 (2)	4	6	13	26	36	41	28	17
	-750 (-3.81)	0.01 (3)	4	6	14	26	36	41	28	17
	-1250 (-6.35)	0.04 (9)	4	6	14	26	36	41	28	17
	-1750 (-8.89)	0.07 (17)	4	6	14	26	37	41	28	17
108 (2700)	+1750 (+8.89)	0.08 (20)	5	6	16	31	41	51	33	18
	+1250 (+6.35)	0.04 (10)	5	7	16	31	42	51	33	18
	+750 (+3.81)	0.01 (4)	5	7	16	31	42	51	33	19
	+375 (+1.91)	0.01 (2)	5	7	17	31	42	51	33	19
	0 (0)	0.00 (0)	6	7	17	32	43	51	33	19
	-375 (-1.91)	0.01 (2)	6	7	17	32	43	51	33	19
	-750 (-3.81)	0.01 (4)	6	7	17	32	43	51	33	19
	-1250 (-6.35)	0.04 (10)	6	7	17	32	43	51	33	19
	-1750 (-8.89)	0.08 (20)	6	7	18	32	44	51	33	19

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
60 (1500)	0.01 (2)	0.01 (3)	0.03 (6)	0.06 (15)
84 (2100)	0.01 (2)	0.01 (3)	0.04 (9)	0.07 (17)
108 (2700)	0.01 (2)	0.01 (4)	0.04 (10)	0.08 (20)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	35	19	10	25	28	22	13	10
	+1250 (+6.35)	26	10	10	16	22	13	10	10
	+750 (+3.81)	10	10	10	10	13	10	10	10
	+375 (+1.91)	10	10	10	10	10	10	10	10
	-375 (-1.91)	10	10	10	10	10	10	10	10
	-750 (-3.81)	10	10	10	10	18	10	10	10
	-1250 (-6.35)	18	10	10	20	27	18	12	10
	-1750 (-8.89)	28	10	10	26	32	27	23	13

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.10 (25)	2	4	8	15	26	31	23	14
	+1250 (+6.35)	0.05 (12)	2	4	8	16	26	31	23	14
	+750 (+3.81)	0.02 (4)	2	4	9	16	27	31	23	14
	+375 (+1.91)	0.01 (2)	2	4	9	16	27	31	23	14
	0 (0)	0.00 (0)	2	4	9	16	27	31	23	14
	-375 (-1.91)	0.01 (2)	2	4	9	16	27	31	23	14
	-750 (-3.81)	0.02 (4)	2	4	9	16	28	31	23	14
	-1250 (-6.35)	0.05 (12)	2	4	9	17	28	31	23	14
	-1750 (-8.89)	0.10 (25)	2	4	10	17	29	31	23	15
60 (1500)	+1750 (+8.89)	0.11 (28)	5	7	13	24	39	45	26	12
	+1250 (+6.35)	0.06 (14)	5	7	14	24	40	45	26	12
	+750 (+3.81)	0.02 (5)	5	7	14	24	40	45	26	12
	+375 (+1.91)	0.01 (1)	5	7	14	24	40	45	26	12
	0 (0)	0.00 (0)	5	7	14	25	41	45	26	13
	-375 (-1.91)	0.01 (1)	5	7	14	25	41	45	27	13
	-750 (-3.81)	0.02 (5)	5	7	15	25	41	45	27	13
	-1250 (-6.35)	0.06 (14)	5	8	15	25	42	45	27	13
	-1750 (-8.89)	0.11 (28)	5	8	15	25	42	45	27	13
84 (2100)	+1750 (+8.89)	0.13 (31)	7	8	18	30	42	53	35	18
	+1250 (+6.35)	0.07 (16)	7	8	18	30	42	53	36	18
	+750 (+3.81)	0.02 (6)	8	8	19	30	43	53	36	18
	+375 (+1.91)	0.01 (2)	8	8	19	31	43	53	36	18
	0 (0)	0.00 (0)	8	9	19	31	43	53	36	19
	-375 (-1.91)	0.01 (2)	8	9	19	31	44	53	36	19
	-750 (-3.81)	0.02 (6)	8	9	20	31	44	53	36	19
	-1250 (-6.35)	0.07 (16)	8	9	20	32	44	53	36	19
	-1750 (-8.89)	0.13 (31)	8	9	21	32	45	53	36	19
108 (2700)	+1750 (+8.89)	0.14 (35)	10	9	22	36	44	55	45	24
	+1250 (+6.35)	0.07 (18)	10	10	23	36	45	55	45	24
	+750 (+3.81)	0.03 (7)	10	10	23	37	45	55	45	24
	+375 (+1.91)	0.01 (2)	10	10	24	37	46	55	45	24
	0 (0)	0.00 (0)	11	10	24	37	46	55	45	25
	-375 (-1.91)	0.01 (2)	11	10	24	37	46	55	45	25
	-750 (-3.81)	0.03 (7)	11	10	25	38	47	55	46	25
	-1250 (-6.35)	0.07 (18)	11	11	25	38	47	55	46	25
	-1750 (-8.89)	0.14 (35)	11	11	26	38	47	55	46	25

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.02 (4)	0.05 (12)	0.10 (25)
60 (1500)	0.01 (1)	0.02 (5)	0.06 (14)	0.11 (28)
84 (2100)	0.01 (2)	0.02 (6)	0.07 (16)	0.13 (31)
108 (2700)	0.01 (2)	0.02 (7)	0.07 (18)	0.14 (35)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	43	29	20	32	34	29	23	19
	+1250 (+6.35)	34	18	10	23	28	20	11	10
	+750 (+3.81)	20	10	10	10	18	10	10	10
	+375 (+1.91)	10	10	10	10	10	10	10	10
	-375 (-1.91)	10	10	10	10	11	10	10	10
	-750 (-3.81)	11	10	10	16	23	12	10	10
	-1250 (-6.35)	26	10	10	26	31	26	22	11
	-1750 (-8.89)	36	13	16	32	37	35	33	23

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-325	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.33 (81)	3	5	11	18	30	41	29	16
	+1250 (+6.35)	0.17 (41)	3	5	11	18	31	41	29	16
	+750 (+3.81)	0.06 (15)	3	5	11	19	31	41	29	16
	+375 (+1.91)	0.02 (4)	3	5	11	19	32	41	29	16
	0 (0)	0.00 (0)	3	5	12	19	32	41	29	16
	-375 (-1.91)	0.02 (4)	3	6	12	19	32	41	29	17
	-750 (-3.81)	0.06 (15)	3	6	12	19	33	41	29	17
	-1250 (-6.35)	0.17 (41)	3	6	13	20	33	41	30	17
	-1750 (-8.89)	0.33 (81)	3	6	13	20	34	41	30	17
60 (1500)	+1750 (+8.89)	0.38 (94)	7	9	16	27	39	55	38	19
	+1250 (+6.35)	0.19 (47)	7	10	16	28	40	55	39	19
	+750 (+3.81)	0.07 (17)	7	10	16	28	41	55	39	19
	+375 (+1.91)	0.02 (4)	7	10	17	28	41	55	39	20
	0 (0)	0.00 (0)	8	10	17	29	42	55	39	20
	-375 (-1.91)	0.02 (4)	8	11	18	29	42	55	39	20
	-750 (-3.81)	0.07 (17)	8	11	18	29	43	55	39	20
	-1250 (-6.35)	0.19 (47)	8	11	19	30	43	55	40	21
	-1750 (-8.89)	0.38 (94)	8	12	19	30	44	55	40	21
84 (2100)	+1750 (+8.89)	0.43 (108)	11	14	20	31	41	55	49	24
	+1250 (+6.35)	0.21 (53)	11	14	20	32	41	55	49	24
	+750 (+3.81)	0.08 (19)	11	15	21	32	42	55	50	25
	+375 (+1.91)	0.02 (5)	12	15	21	33	42	55	50	25
	0 (0)	0.00 (0)	12	16	22	33	43	55	50	25
	-375 (-1.91)	0.02 (5)	12	16	22	33	43	55	50	26
	-750 (-3.81)	0.08 (19)	13	16	23	34	44	55	50	26
	-1250 (-6.35)	0.21 (53)	13	17	23	34	45	55	51	26
	-1750 (-8.89)	0.43 (108)	13	17	24	35	45	55	51	27
108 (2700)	+1750 (+8.89)	0.49 (121)	15	19	24	35	42	55	55	29
	+1250 (+6.35)	0.24 (59)	15	19	24	36	43	55	55	29
	+750 (+3.81)	0.09 (21)	16	20	25	36	43	55	55	30
	+375 (+1.91)	0.02 (6)	16	20	26	37	44	55	55	30
	0 (0)	0.00 (0)	16	21	26	37	44	55	55	31
	-375 (-1.91)	0.02 (6)	17	21	27	38	45	55	55	31
	-750 (-3.81)	0.09 (21)	17	22	27	38	45	55	55	31
	-1250 (-6.35)	0.24 (59)	18	22	28	38	46	55	55	32
	-1750 (-8.89)	0.49 (121)	18	23	29	39	46	55	55	32

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.06 (15)	0.17 (41)	0.33 (81)
60 (1500)	0.02 (4)	0.07 (17)	0.19 (47)	0.38 (94)
84 (2100)	0.02 (5)	0.08 (19)	0.21 (53)	0.43 (108)
108 (2700)	0.02 (6)	0.09 (21)	0.24 (59)	0.49 (121)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	55	43	37	42	41	40	38	33
	+1250 (+6.35)	45	31	23	34	35	31	26	22
	+750 (+3.81)	31	14	10	21	26	18	10	10
	+375 (+1.91)	12	10	10	10	13	10	10	10
	-375 (-1.91)	10	10	10	10	18	10	10	10
	-750 (-3.81)	23	10	10	23	30	23	18	10
	-1250 (-6.35)	38	15	19	33	38	37	35	26
	-1750 (-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	12-13	36-39	60-78	6 - 144	36 - 108
Metric	300-325	900-975	1500-1950	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.05 (12)	2	4	9	15	11	9	8	6
	+1250 (+6.35)	0.03 (6)	2	4	9	16	11	9	8	7
	+750 (+3.81)	0.01 (2)	2	4	9	16	12	9	8	7
	+375 (+1.91)	0.01 (2)	2	4	9	16	12	9	8	7
	0 (0)	0.00 (0)	2	4	9	16	12	9	8	7
	-375 (-1.91)	0.01 (2)	2	4	9	16	12	9	8	7
	-750 (-3.81)	0.01 (2)	2	4	9	16	12	9	8	7
	-1250 (-6.35)	0.03 (6)	2	5	9	16	12	9	8	7
	-1750 (-8.89)	0.05 (12)	2	5	10	16	12	9	8	7
60 (1500)	+1750 (+8.89)	0.05 (12)	3	6	14	23	21	13	9	8
	+1250 (+6.35)	0.03 (6)	3	6	14	23	21	13	9	8
	+750 (+3.81)	0.01 (2)	3	7	14	23	21	13	9	8
	+375 (+1.91)	0.01 (2)	3	7	14	23	21	13	9	8
	0 (0)	0.00 (0)	3	7	15	23	21	13	9	8
	-375 (-1.91)	0.01 (2)	3	7	15	24	21	13	9	8
	-750 (-3.81)	0.01 (2)	3	7	15	24	22	13	9	8
	-1250 (-6.35)	0.03 (6)	3	7	15	24	22	13	9	8
	-1750 (-8.89)	0.05 (12)	3	7	15	24	22	13	9	8
84 (2100)	+1750 (+8.89)	0.05 (12)	4	9	19	30	30	17	9	10
	+1250 (+6.35)	0.03 (6)	4	9	19	30	30	17	9	10
	+750 (+3.81)	0.01 (2)	4	9	20	31	31	17	9	10
	+375 (+1.91)	0.01 (2)	4	9	20	31	31	17	9	10
	0 (0)	0.00 (0)	4	9	20	31	31	17	9	10
	-375 (-1.91)	0.01 (2)	4	9	20	31	31	17	9	10
	-750 (-3.81)	0.01 (2)	4	9	20	31	31	17	9	10
	-1250 (-6.35)	0.03 (6)	4	9	21	32	32	17	9	10
	-1750 (-8.89)	0.05 (12)	4	9	21	32	32	17	9	10
108 (2700)	+1750 (+8.89)	0.06 (15)	5	11	23	41	33	18	9	7
	+1250 (+6.35)	0.03 (8)	5	11	23	41	34	18	9	7
	+750 (+3.81)	0.01 (3)	5	11	24	41	34	18	9	7
	+375 (+1.91)	0.01 (2)	5	11	24	41	34	18	9	7
	0 (0)	0.00 (0)	5	11	24	42	34	18	9	7
	-375 (-1.91)	0.01 (2)	5	11	25	42	34	18	9	7
	-750 (-3.81)	0.01 (3)	5	11	25	42	35	18	9	7
	-1250 (-6.35)	0.03 (8)	5	12	25	42	35	18	9	7
	-1750 (-8.89)	0.06 (15)	5	12	26	43	35	18	9	7

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
60 (1500)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
84 (2100)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
108 (2700)	0.01 (2)	0.01 (3)	0.03 (8)	0.05 (15)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	35	19	10	25	28	22	13	10
	+1250 (+6.35)	26	10	10	16	22	13	10	10
	+750 (+3.81)	12	10	10	10	13	10	10	10
	+375 (+1.91)	10	10	10	10	10	10	10	10
	-375 (-1.91)	10	10	10	10	10	10	10	10
	-750 (-3.81)	10	10	10	10	18	10	10	10
	-1250 (-6.35)	18	10	10	20	27	18	12	10
	-1750 (-8.89)	28	10	10	26	32	27	23	13

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.08 (21)	3	6	12	19	18	15	11	9
	+1250 (+6.35)	0.04 (11)	3	7	13	19	18	15	11	9
	+750 (+3.81)	0.02 (4)	4	7	13	20	18	15	11	9
	+375 (+1.91)	0.01 (2)	4	7	13	20	18	15	11	9
	0 (0)	0.00 (0)	4	7	13	20	19	15	11	9
	-375 (-1.91)	0.01 (2)	4	7	13	20	19	15	11	9
	-750 (-3.81)	0.02 (4)	4	7	14	20	19	15	11	9
	-1250 (-6.35)	0.04 (11)	4	7	14	21	20	15	11	9
	-1750 (-8.89)	0.08 (21)	4	7	14	21	20	15	11	9
60 (1500)	+1750 (+8.89)	0.09 (24)	3	11	20	28	29	19	12	10
	+1250 (+6.35)	0.05 (12)	3	11	20	28	29	19	12	10
	+750 (+3.81)	0.02 (5)	4	11	21	28	30	19	12	10
	+375 (+1.91)	0.01 (1)	4	11	21	29	30	19	12	10
	0 (0)	0.00 (0)	4	12	21	29	30	19	12	10
	-375 (-1.91)	0.01 (1)	4	12	22	29	30	19	12	10
	-750 (-3.81)	0.02 (5)	4	12	22	29	31	19	12	10
	-1250 (-6.35)	0.05 (12)	4	12	22	29	31	19	12	10
	-1750 (-8.89)	0.09 (24)	4	12	23	30	31	19	12	10
84 (2100)	+1750 (+8.89)	0.10 (26)	7	13	28	37	37	23	14	12
	+1250 (+6.35)	0.05 (14)	7	13	28	37	37	23	14	12
	+750 (+3.81)	0.02 (5)	8	14	29	38	38	23	14	12
	+375 (+1.91)	0.01 (2)	8	14	29	38	38	23	14	12
	0 (0)	0.00 (0)	8	14	30	38	38	23	14	12
	-375 (-1.91)	0.01 (2)	8	14	30	39	38	23	14	12
	-750 (-3.81)	0.02 (5)	8	15	30	39	39	23	14	12
	-1250 (-6.35)	0.05 (14)	8	15	31	39	39	23	14	12
	-1750 (-8.89)	0.10 (26)	8	15	32	40	39	23	14	12
108 (2700)	+1750 (+8.89)	0.11 (28)	11	16	35	46	44	26	15	14
	+1250 (+6.35)	0.06 (15)	11	16	36	47	45	26	15	14
	+750 (+3.81)	0.02 (6)	12	16	37	47	45	26	15	14
	+375 (+1.91)	0.01 (2)	12	17	37	47	46	26	15	14
	0 (0)	0.00 (0)	12	17	38	48	46	26	15	14
	-375 (-1.91)	0.01 (2)	12	17	38	48	46	26	15	14
	-750 (-3.81)	0.02 (6)	12	17	39	49	47	26	15	14
	-1250 (-6.35)	0.06 (15)	13	18	40	49	47	26	15	14
	-1750 (-8.89)	0.11 (28)	13	18	40	49	48	26	15	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.02 (4)	0.04 (11)	0.08 (21)
60 (1500)	0.01 (1)	0.02 (5)	0.05 (12)	0.09 (24)
84 (2100)	0.01 (2)	0.02 (5)	0.05 (14)	0.10 (26)
108 (2700)	0.01 (2)	0.02 (6)	0.05 (15)	0.11 (28)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	43	29	20	32	34	29	23	19
	+1250 (+6.35)	34	18	10	23	28	20	11	10
	+750 (+3.81)	20	10	10	10	18	10	10	10
	+375 (+1.91)	10	10	10	10	10	10	10	10
	-375 (-1.91)	10	10	10	10	11	10	10	10
	-750 (-3.81)	11	10	10	16	23	12	10	10
	-1250 (-6.35)	26	10	10	26	31	26	22	11
	-1750 (-8.89)	36	13	16	32	37	35	33	23

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.24 (60)	4	8	15	23	24	21	14	11
	+1250 (+6.35)	0.13 (32)	5	9	16	23	25	21	14	11
	+750 (+3.81)	0.05 (11)	5	9	16	23	25	21	14	11
	+375 (+1.91)	0.01 (3)	5	9	17	24	25	21	14	12
	0 (0)	0.00 (0)	5	9	17	24	26	21	14	12
	-375 (-1.91)	0.01 (3)	5	10	18	24	26	21	14	12
	-750 (-3.81)	0.05 (11)	5	10	18	24	26	21	14	12
	-1250 (-6.35)	0.13 (32)	5	10	19	25	26	21	14	12
	-1750 (-8.89)	0.24 (60)	5	10	19	25	27	21	14	12
60 (1500)	+1750 (+8.89)	0.32 (78)	7	12	25	35	42	34	19	14
	+1250 (+6.35)	0.17 (41)	7	12	26	35	42	34	19	14
	+750 (+3.81)	0.06 (15)	7	13	27	36	43	34	20	14
	+375 (+1.91)	0.01 (4)	7	13	27	36	44	34	20	14
	0 (0)	0.00 (0)	7	13	28	37	44	34	20	14
	-375 (-1.91)	0.01 (4)	8	13	29	37	45	34	20	15
	-750 (-3.81)	0.06 (15)	8	14	29	38	45	34	20	15
	-1250 (-6.35)	0.17 (41)	8	14	30	38	46	34	20	15
	-1750 (-8.89)	0.32 (78)	8	15	31	39	46	34	20	15
84 (2100)	+1750 (+8.89)	0.34 (85)	10	19	33	42	46	43	24	15
	+1250 (+6.35)	0.18 (45)	10	19	34	42	47	43	24	15
	+750 (+3.81)	0.07 (17)	10	20	35	43	47	43	24	16
	+375 (+1.91)	0.02 (4)	10	20	35	44	48	43	24	16
	0 (0)	0.00 (0)	11	21	36	44	48	43	24	16
	-375 (-1.91)	0.02 (4)	11	21	37	45	49	43	24	16
	-750 (-3.81)	0.07 (17)	11	22	38	45	50	43	24	16
	-1250 (-6.35)	0.18 (45)	11	22	39	46	50	43	24	17
	-1750 (-8.89)	0.34 (85)	12	23	40	46	51	43	24	17
108 (2700)	+1750 (+8.89)	0.37 (92)	12	25	40	49	50	52	28	16
	+1250 (+6.35)	0.20 (49)	13	26	41	50	51	52	28	17
	+750 (+3.81)	0.07 (18)	13	27	43	50	52	52	28	17
	+375 (+1.91)	0.02 (4)	13	27	44	51	52	52	28	17
	0 (0)	0.00 (0)	14	28	44	51	53	52	28	18
	-375 (-1.91)	0.02 (4)	14	29	45	52	53	52	29	18
	-750 (-3.81)	0.07 (18)	14	29	46	53	54	52	29	18
	-1250 (-6.35)	0.20 (49)	15	30	48	53	55	52	29	18
	-1750 (-8.89)	0.37 (92)	15	31	49	54	56	52	29	19

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.05 (11)	0.13 (32)	0.24 (60)
60 (1500)	0.01 (4)	0.06 (15)	0.17 (41)	0.32 (78)
84 (2100)	0.02 (4)	0.07 (17)	0.18 (45)	0.34 (85)
108 (2700)	0.02 (4)	0.07 (18)	0.20 (49)	0.37 (92)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	55	43	37	42	41	40	38	33
	+1250 (+6.35)	45	31	23	34	35	31	26	22
	+750 (+3.81)	31	14	10	21	26	18	10	10
	+375 (+1.91)	12	10	10	10	13	10	10	10
	-375 (-1.91)	10	10	10	10	18	10	10	10
	-750 (-3.81)	23	10	10	23	30	23	18	10
	-1250 (-6.35)	38	15	19	33	38	37	35	26
	-1750 (-8.89)	48	25	29	40	44	46	46	38

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.08 (19)	2	5	6	11	8	6	5	2
	+1250 (+6.35)	0.04 (11)	2	5	7	11	8	6	5	2
	+750 (+3.81)	0.01 (3)	2	5	7	11	8	6	5	2
	+375 (+1.91)	0.01 (1)	2	5	7	11	8	6	5	2
	0 (0)	0.00 (0)	2	5	7	12	8	6	5	2
	-375 (-1.91)	0.01 (1)	2	5	7	12	8	6	5	2
	-750 (-3.81)	0.01(3)	2	6	7	12	8	6	5	2
	-1250 (-6.35)	0.04 (11)	2	6	7	12	8	6	5	2
	-1750 (-8.89)	0.08 (19)	2	6	7	12	8	6	5	2
60 (1500)	+1750 (+8.89)	0.09 (22)	4	7	11	16	10	5	3	3
	+1250 (+6.35)	0.04 (11)	5	8	11	16	10	5	3	3
	+750 (+3.81)	0.02 (4)	5	8	11	17	10	5	3	3
	+375 (+1.91)	0.01 (1)	5	8	12	17	10	5	3	3
	0 (0)	0.00 (0)	5	8	12	17	10	5	3	3
	-375 (-1.91)	0.01 (1)	5	8	12	17	10	5	3	3
	-750 (-3.81)	0.02 (4)	5	8	12	17	10	5	3	3
	-1250 (-6.35)	0.04 (11)	5	8	12	17	11	5	3	3
	-1750 (-8.89)	0.09 (22)	5	9	13	17	11	5	3	3
84 (2100)	+1750 (+8.89)	0.10 (25)	6	10	16	24	15	10	8	6
	+1250 (+6.35)	0.06 (15)	6	10	16	24	15	10	8	6
	+750 (+3.81)	0.02 (5)	6	10	17	24	15	10	8	6
	+375 (+1.91)	0.01 (1)	6	11	17	25	15	10	8	6
	0 (0)	0.00 (0)	6	11	17	25	16	10	8	6
	-375 (-1.91)	0.01 (1)	6	11	17	25	16	10	8	6
	-750 (-3.81)	0.02 (5)	6	11	18	25	16	10	8	6
	-1250 (-6.35)	0.06 (15)	6	11	18	25	16	10	8	6
	-1750 (-8.89)	0.10 (25)	7	12	18	26	16	10	8	6
108 (2700)	+1750 (+8.89)	0.09 (23)	7	12	19	28	19	12	9	6
	+1250 (+6.35)	0.05 (12)	7	12	19	28	19	12	9	6
	+750 (+3.81)	0.02 (5)	7	13	19	28	20	12	9	6
	+375 (+1.91)	0.01 (1)	7	13	20	28	20	12	9	6
	0 (0)	0.00 (0)	7	13	20	29	20	12	9	6
	-375 (-1.91)	0.01 (1)	7	13	20	29	20	12	9	6
	-750 (-3.81)	0.02 (5)	7	13	21	29	20	12	9	6
	-1250 (-6.35)	0.05 (12)	8	14	21	29	20	12	9	6
	-1750 (-8.89)	0.09 (23)	8	14	21	30	21	12	9	6

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (1)	0.01 (3)	0.04 (11)	0.08 (19)
60 (1500)	0.01 (1)	0.02 (4)	0.04 (11)	0.09 (22)
84 (2100)	0.01 (1)	0.02 (5)	0.06 (15)	0.10 (25)
108 (2700)	0.01 (1)	0.02 (5)	0.05 (12)	0.09 (23)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	37	21	12	26	30	23	15	12
	+1250 (+6.35)	27	12	12	18	24	14	12	12
	+750 (+3.81)	13	12	12	12	14	12	12	12
	+375 (+1.91)	12	12	12	12	12	12	12	12
	-375 (-1.91)	12	12	12	12	12	12	12	12
	-750 (-3.81)	12	12	12	12	19	12	12	12
	-1250 (-6.35)	19	12	12	21	28	20	14	12
	-1750 (-8.89)	29	12	12	28	34	29	25	15

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.14 (36)	4	7	9	15	12	9	7	6
	+1250 (+6.35)	0.07 (18)	4	8	9	15	12	9	7	6
	+750 (+3.81)	0.03 (7)	4	8	9	15	12	9	7	6
	+375 (+1.91)	0.01 (3)	5	8	9	16	12	9	7	6
	0 (0)	0.00 (0)	5	8	10	16	13	9	7	6
	-375 (-1.91)	0.01 (3)	5	8	10	16	13	9	7	6
	-750 (-3.81)	0.03 (7)	5	8	10	16	13	9	7	6
	-1250 (-6.35)	0.07 (18)	5	9	10	17	13	9	7	6
	-1750 (-8.89)	0.14 (36)	5	9	10	17	14	9	7	6
60 (1500)	+1750 (+8.89)	0.17 (42)	6	10	12	22	19	12	9	8
	+1250 (+6.35)	0.09 (21)	7	11	13	23	19	12	9	8
	+750 (+3.81)	0.03 (8)	7	11	13	23	19	12	9	8
	+375 (+1.91)	0.01 (3)	7	11	13	23	19	12	9	8
	0 (0)	0.00 (0)	7	11	14	23	20	12	9	8
	-375 (-1.91)	0.01 (3)	7	12	14	24	20	12	9	8
	-750 (-3.81)	0.03 (8)	7	12	14	24	20	12	9	8
	-1250 (-6.35)	0.09 (21)	8	12	15	24	20	12	9	8
	-1750 (-8.89)	0.17 (42)	8	12	15	25	21	12	9	8
84 (2100)	+1750 (+8.89)	0.17 (42)	9	14	21	31	23	13	9	6
	+1250 (+6.35)	0.09 (22)	9	14	21	32	23	13	9	6
	+750 (+3.81)	0.03 (8)	10	14	21	32	23	13	9	6
	+375 (+1.91)	0.01 (3)	10	14	22	32	23	13	9	6
	0 (0)	0.00 (0)	10	15	22	32	23	13	9	6
	-375 (-1.91)	0.01 (3)	10	15	23	33	24	13	9	7
	-750 (-3.81)	0.03 (8)	11	15	23	33	24	13	9	7
	-1250 (-6.35)	0.09 (22)	11	16	24	33	24	13	9	7
	-1750 (-8.89)	0.17 (42)	11	16	24	34	24	13	9	7
108 (2700)	+1750 (+8.89)	0.18 (45)	11	16	22	36	29	16	10	8
	+1250 (+6.35)	0.09 (24)	12	17	23	37	30	16	10	8
	+750 (+3.81)	0.04 (9)	12	17	24	37	30	16	10	8
	+375 (+1.91)	0.01 (3)	12	18	24	38	30	16	10	8
	0 (0)	0.00 (0)	13	18	25	38	31	16	10	8
	-375 (-1.91)	0.01 (3)	13	18	25	39	31	16	10	8
	-750 (-3.81)	0.04 (9)	13	19	26	39	31	16	10	8
	-1250 (-6.35)	0.09 (24)	13	19	26	39	32	16	10	9
	-1750 (-8.89)	0.18 (45)	14	20	27	40	32	16	11	9

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.03 (7)	0.07 (18)	0.14 (36)
60 (1500)	0.01 (3)	0.03 (8)	0.09 (21)	0.17 (42)
84 (2100)	0.01 (3)	0.03 (8)	0.09 (22)	0.17 (42)
108 (2700)	0.01 (3)	0.04 (9)	0.09 (24)	0.18 (45)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	53	40	33	41	40	38	35	31
	+1250 (+6.35)	43	29	19	32	34	29	23	19
	+750 (+3.81)	29	12	12	19	25	16	12	12
	+375 (+1.91)	12	12	12	12	12	12	12	12
	-375 (-1.91)	12	12	12	12	18	12	12	12
	-750 (-3.81)	21	12	12	23	29	21	16	12
	-1250 (-6.35)	36	13	16	33	38	35	33	23
	-1750 (-8.89)	46	23	27	39	43	44	44	35

Generated Noise Corrections

Silencer Face Area (ft²)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft². Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RMTX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.40 (99)	5	9	12	20	18	13	10	8
	+1250 (+6.35)	0.21 (51)	6	9	13	21	18	13	10	8
	+750 (+3.81)	0.08 (19)	6	9	13	21	19	13	10	8
	+375 (+1.91)	0.02 (5)	6	10	14	21	19	13	10	9
	0 (0)	0.00 (0)	6	10	14	22	19	13	10	9
	-375 (-1.91)	0.02 (5)	6	10	15	22	19	13	10	9
	-750 (-3.81)	0.08 (19)	7	11	15	22	20	13	10	9
	-1250 (-6.35)	0.21 (51)	7	11	16	23	20	13	10	9
	-1750 (-8.89)	0.40 (99)	7	11	16	23	20	13	10	9
60 (1500)	+1750 (+8.89)	0.45 (111)	7	15	19	32	29	21	14	12
	+1250 (+6.35)	0.23 (56)	8	16	20	32	30	21	14	12
	+750 (+3.81)	0.08 (21)	8	17	20	33	30	21	14	12
	+375 (+1.91)	0.02 (5)	8	17	21	34	31	21	14	12
	0 (0)	0.00 (0)	9	18	22	34	31	21	14	12
	-375 (-1.91)	0.02 (5)	9	18	22	35	32	21	14	12
	-750 (-3.81)	0.08 (21)	9	19	23	35	32	21	14	12
	-1250 (-6.35)	0.23 (56)	9	19	24	36	33	21	14	12
	-1750 (-8.89)	0.45 (111)	10	20	25	36	33	21	14	12
84 (2100)	+1750 (+8.89)	0.53 (131)	11	18	23	38	38	25	15	11
	+1250 (+6.35)	0.26 (64)	11	19	24	39	39	25	15	12
	+750 (+3.81)	0.09 (23)	12	20	25	40	39	25	15	12
	+375 (+1.91)	0.02 (6)	12	20	26	41	40	25	15	12
	0 (0)	0.00 (0)	12	21	27	41	40	25	15	12
	-375 (-1.91)	0.02 (6)	13	21	28	42	41	25	15	12
	-750 (-3.81)	0.09 (23)	13	22	29	43	42	25	15	12
	-1250 (-6.35)	0.26 (64)	14	23	30	43	42	25	16	12
	-1750 (-8.89)	0.53 (131)	14	24	31	44	43	25	16	12
108 (2700)	+1750 (+8.89)	0.61 (152)	14	21	28	45	46	30	16	11
	+1250 (+6.35)	0.29 (71)	14	22	29	46	47	30	16	11
	+750 (+3.81)	0.10 (25)	15	22	31	47	48	30	17	12
	+375 (+1.91)	0.03 (7)	16	23	32	48	49	30	17	12
	0 (0)	0.00 (0)	16	24	33	49	50	30	17	12
	-375 (-1.91)	0.03(7)	16	25	34	49	50	30	17	12
	-750 (-3.81)	0.10 (25)	17	25	34	50	51	30	17	12
	-1250 (-6.35)	0.29 (71)	18	26	36	51	52	30	17	12
	-1750 (-8.89)	0.61(152)	18	27	37	52	53	30	17	12

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (5)	0.08 (19)	0.21 (51)	0.40 (99)
60 (1500)	0.02 (5)	0.08 (21)	0.23 (56)	0.45 (111)
84 (2100)	0.02 (6)	0.09 (23)	0.26 (64)	0.53 (131)
108 (2700)	0.02 (7)	0.10 (25)	0.29 (71)	0.61 (152)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	64	54	50	51	48	48	49	45
	+1250 (+6.35)	55	43	36	42	42	40	37	33
	+750 (+3.81)	41	25	15	29	32	27	19	15
	+375 (+1.91)	21	12	12	12	20	12	12	12
	-375 (-1.91)	12	12	12	17	24	14	12	12
	-750 (-3.81)	33	12	13	31	36	32	29	19
	-1250 (-6.35)	48	25	29	40	45	46	46	38
	-1750 (-8.89)	58	35	39	47	50	55	57	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.06(14)	2	1	4	10	18	22	15	10
	+2000 (+10.16)	0.04 (10)	2	1	4	10	18	22	15	10
	+1500 (+7.62)	0.02 (6)	2	1	4	10	18	22	15	10
	+1000 (+5.08)	0.01 (3)	2	2	5	10	19	22	15	10
	+500 (+2.54)	0.01 (2)	2	2	5	10	19	22	15	10
	0 (0)	0.00 (0)	2	2	5	10	19	22	15	10
	-500 (-2.54)	0.01 (2)	2	2	5	10	19	22	15	10
	-1000 (-5.08)	0.01 (3)	2	2	5	11	19	22	15	10
	-1500 (-7.62)	0.02 (6)	2	2	5	11	19	22	16	10
	-2000 (-10.16)	0.04 (10)	2	2	5	11	19	22	16	10
	-2500 (-12.7)	0.06 (14)	2	2	5	11	20	22	16	10
60 (1500)	+2500 (+12.7)	0.06 (16)	4	2	6	15	26	27	18	10
	+2000 (+10.16)	0.04 (11)	4	2	6	15	26	27	18	10
	+1500 (+7.62)	0.03 (6)	4	2	6	15	26	27	18	10
	+1000 (+5.08)	0.01 (3)	4	2	6	15	27	27	18	10
	+500 (+2.54)	0.01 (2)	4	2	6	15	27	27	18	10
	0 (0)	0.00 (0)	4	2	6	15	27	27	18	10
	-500 (-2.54)	0.01 (2)	4	2	7	15	27	27	18	10
	-1000 (-5.08)	0.01 (3)	4	2	7	15	27	27	18	10
	-1500 (-7.62)	0.03 (6)	4	2	7	15	27	27	18	10
	-2000 (-10.16)	0.04 (11)	4	2	7	16	28	27	18	10
	-2500 (-12.7)	0.06 (16)	4	2	7	16	28	27	18	11
84 (2100)	+2500 (+12.7)	0.07 (18)	5	3	8	19	34	33	21	10
	+2000 (+10.16)	0.05 (12)	5	3	8	20	34	33	21	10
	+1500 (+7.62)	0.03 (7)	5	3	8	20	34	33	21	10
	+1000 (+5.08)	0.02 (4)	5	3	8	20	34	33	21	10
	+500 (+2.54)	0.01 (2)	5	3	8	20	35	33	21	10
	0 (0)	0.00 (0)	5	3	8	20	35	33	21	10
	-500 (-2.54)	0.01 (2)	6	3	8	20	35	33	21	11
	-1000 (-5.08)	0.02 (4)	6	3	9	20	35	33	21	11
	-1500 (-7.62)	0.03 (7)	6	3	9	20	35	33	21	11
	-2000 (-10.16)	0.05 (12)	6	3	9	20	36	33	21	11
	-2500 (-12.7)	0.07 (18)	6	3	9	21	36	33	21	11
108 (2700)	+2500 (+12.7)	0.08 (21)	7	4	10	24	42	38	23	10
	+2000 (+10.16)	0.05 (14)	7	4	10	24	42	38	23	10
	+1500 (+7.62)	0.03 (8)	7	4	10	24	42	38	23	10
	+1000 (+5.08)	0.02 (4)	7	4	10	25	42	38	23	10
	+500 (+2.54)	0.01 (2)	7	4	10	25	43	38	24	10
	0 (0)	0.00 (0)	7	4	10	25	43	38	24	11
	-500 (-2.54)	0.01 (2)	7	4	10	25	43	38	24	11
	-1000 (-5.08)	0.02 (4)	7	4	10	25	43	38	24	11
	-1500 (-7.62)	0.03 (8)	7	4	11	25	44	38	24	11
	-2000 (-10.16)	0.05 (14)	7	4	11	25	44	38	24	11
	-2500 (-12.7)	0.08 (21)	8	4	11	26	44	38	24	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.01 (3)	0.02 (6)	0.04 (10)	0.06 (14)
60 (1500)	0.01 (2)	0.01 (3)	0.03 (6)	0.04 (11)	0.06 (16)
84 (2100)	0.01 (2)	0.02 (4)	0.03 (7)	0.05 (12)	0.07 (18)
108 (2700)	0.01 (2)	0.02 (4)	0.03 (8)	0.05 (14)	0.09 (21)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	37	21	15	16	29	26	24	20
	+2000 (+10.16)	30	14	10	10	25	21	17	14
	+1500 (+7.62)	22	10	10	10	20	14	10	10
	+1000 (+5.08)	11	10	10	10	13	10	10	10
	+500 (+2.54)	10	10	10	10	10	10	10	10
	-500 (-2.54)	10	10	10	10	10	10	10	10
	-1000 (-5.08)	16	10	10	10	10	15	10	10
	-1500 (-7.62)	26	10	10	10	20	25	21	17
	2000 (-10.16)	34	17	10	13	27	31	29	25
	-2500 (-12.7)	39	23	17	20	32	36	35	31

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.09 (22)	2	3	7	13	22	27	20	12
	+2000 (+10.16)	0.06 (14)	2	3	7	13	22	27	20	12
	+1500 (+7.62)	0.04 (9)	2	3	7	13	22	27	20	12
	+1000 (+5.08)	0.02 (4)	3	3	7	13	22	27	20	12
	+500 (+2.54)	0.01 (2)	3	3	7	13	22	27	20	12
	0 (0)	0.00 (0)	3	3	7	13	23	27	20	12
	-500 (-2.54)	0.01 (2)	3	3	7	13	23	27	20	12
	-1000 (-5.08)	0.02 (4)	3	3	7	13	23	27	20	12
	-1500 (-7.62)	0.04 (9)	3	3	7	14	23	27	20	12
	-2000 (-10.16)	0.06 (14)	3	3	8	14	23	27	20	12
	-2500 (-12.7)	0.09 (22)	3	3	8	14	23	27	20	12
60 (1500)	+2500 (+12.7)	0.11 (26)	4	4	11	20	34	33	25	14
	+2000 (+10.16)	0.07 (17)	4	5	11	20	34	33	25	14
	+1500 (+7.62)	0.04 (9)	4	5	12	20	34	33	25	14
	+1000 (+5.08)	0.02 (4)	4	5	12	20	34	33	25	14
	+500 (+2.54)	0.01 (1)	4	5	12	20	35	33	25	14
	0 (0)	0.00 (0)	4	5	12	20	35	33	25	14
	-500 (-2.54)	0.01 (1)	4	5	12	20	35	33	25	15
	-1000 (-5.08)	0.02 (4)	4	5	12	21	35	33	25	15
	-1500 (-7.62)	0.04 (9)	4	5	12	21	36	33	25	15
	-2000 (-10.16)	0.07 (17)	4	5	13	21	36	33	25	15
	-2500 (-12.7)	0.11 (26)	4	5	13	21	36	33	25	15
84 (2100)	+2500 (+12.7)	0.14 (34)	5	6	15	26	39	44	29	16
	+2000 (+10.16)	0.08 (21)	5	6	15	26	40	44	29	16
	+1500 (+7.62)	0.05 (12)	5	6	15	26	40	44	30	16
	+1000 (+5.08)	0.02 (5)	5	6	15	26	40	44	30	17
	+500 (+2.54)	0.01 (2)	5	6	16	26	41	44	30	17
	0 (0)	0.00 (0)	5	6	16	27	41	44	30	17
	-500 (-2.54)	0.01 (2)	5	6	16	27	41	44	30	17
	-1000 (-5.08)	0.02 (5)	5	6	16	27	41	44	30	17
	-1500 (-7.62)	0.05 (12)	5	6	16	27	42	44	30	17
	-2000 (-10.16)	0.08 (21)	5	6	17	27	42	44	30	17
	-2500 (-12.7)	0.14 (34)	6	6	17	28	42	44	30	17
108 (2700)	+2500 (+12.7)	0.16 (40)	6	7	18	32	45	55	34	18
	+2000 (+10.16)	0.10 (24)	6	7	18	32	45	55	34	19
	+1500 (+7.62)	0.06 (14)	6	7	19	32	46	55	34	19
	+1000 (+5.08)	0.03 (6)	6	7	19	32	46	55	34	19
	+500 (+2.54)	0.01 (2)	6	7	19	33	46	55	34	19
	0 (0)	0.00 (0)	7	7	20	33	47	55	34	19
	-500 (-2.54)	0.01 (2)	7	7	20	33	47	55	34	19
	-1000 (-5.08)	0.02 (6)	7	7	20	33	47	55	35	19
	-1500 (-7.62)	0.05 (13)	7	7	20	34	48	55	35	19
	-2000 (-10.16)	0.10 (24)	7	8	21	34	48	55	35	19
	-2500 (-12.7)	0.16 (40)	7	8	21	34	48	55	35	20

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.02 (4)	0.04 (9)	0.06 (14)	0.09 (22)
60 (1500)	0.01 (1)	0.02 (4)	0.04 (9)	0.07 (17)	0.11 (26)
84 (2100)	0.01 (2)	0.02 (5)	0.05 (12)	0.08 (21)	0.14 (34)
108 (2700)	0.01 (2)	0.03 (6)	0.06 (14)	0.10 (24)	0.16 (40)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	45	30	25	25	35	33	32	29
	+2000 (+10.16)	38	23	18	18	31	28	26	22
	+1500 (+7.62)	30	14	10	10	25	21	17	14
	+1000 (+5.08)	19	10	10	10	18	11	10	10
	+500 (+2.54)	10	10	10	10	10	10	10	10
	-500 (-2.54)	10	10	10	10	10	10	10	10
	-1000 (-5.08)	23	10	10	10	17	22	17	14
	-1500 (-7.62)	34	17	10	13	27	31	29	25
	2000 (-10.16)	41	25	19	22	33	38	37	33
	-2500 (-12.7)	47	32	27	30	39	43	43	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	12-14	36-40	6 - 144	36 - 108
Metric	300-350	900-1000	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.26 (65)	3	4	9	15	25	32	25	14
	+2000 (+10.16)	0.17 (42)	3	4	9	16	25	32	25	14
	+1500 (+7.62)	0.10 (24)	3	4	9	16	26	32	25	14
	+1000 (+5.08)	0.04 (11)	3	4	9	16	26	32	25	14
	+500 (+2.54)	0.01 (2)	3	4	10	16	26	32	25	14
	0 (0)	0.00 (0)	3	4	10	16	26	32	25	14
	-500 (-2.54)	0.01 (2)	3	4	10	16	26	32	25	14
	-1000 (-5.08)	0.04 (11)	3	5	10	16	27	32	25	15
	-1500 (-7.62)	0.10 (24)	3	5	10	17	27	32	25	15
	-2000 (-10.16)	0.17 (42)	3	5	10	17	27	32	25	15
	-2500 (-12.7)	0.26 (65)	3	5	11	17	27	32	25	15
60 (1500)	+2500 (+12.7)	0.27 (67)	5	6	14	23	38	42	32	17
	+2000 (+10.16)	0.17 (43)	5	6	14	23	39	42	32	17
	+1500 (+7.62)	0.10 (24)	5	6	14	23	39	42	32	17
	+1000 (+5.08)	0.04 (11)	5	6	15	23	39	42	32	17
	+500 (+2.54)	0.01 (2)	5	6	15	24	40	42	32	17
	0 (0)	0.00 (0)	5	6	15	24	40	42	32	18
	-500 (-2.54)	0.01 (2)	5	7	15	24	40	42	32	18
	-1000 (-5.08)	0.04 (11)	5	7	16	24	41	42	32	18
	-1500 (-7.62)	0.10 (24)	5	7	16	24	41	42	32	18
	-2000 (-10.16)	0.17 (43)	5	7	16	25	41	42	32	18
	-2500 (-12.7)	0.27 (67)	6	7	16	25	42	42	33	19
84 (2100)	+2500 (+12.7)	0.33 (83)	7	8	18	29	41	51	38	20
	+2000 (+10.16)	0.21 (52)	7	8	18	29	42	51	38	20
	+1500 (+7.62)	0.12 (29)	7	8	18	30	42	51	39	20
	+1000 (+5.08)	0.05 (13)	7	8	18	30	42	51	39	21
	+500 (+2.54)	0.01 (3)	7	8	19	30	43	51	39	21
	0 (0)	0.00 (0)	7	8	19	30	43	51	39	21
	-500 (-2.54)	0.01 (3)	7	9	19	31	43	51	39	21
	-1000 (-5.08)	0.05 (13)	7	9	20	31	44	51	39	21
	-1500 (-7.62)	0.12 (29)	8	9	20	31	44	51	39	22
	-2000 (-10.16)	0.21 (52)	8	9	20	31	44	51	40	22
	-2500 (-12.7)	0.33 (83)	8	9	21	32	45	51	40	22
108 (2700)	+2500 (+12.7)	0.37 (92)	8	10	21	36	44	55	45	23
	+2000 (+10.16)	0.23 (56)	9	10	22	36	44	55	45	23
	+1500 (+7.62)	0.13 (31)	9	10	22	36	45	55	45	24
	+1000 (+5.08)	0.05 (14)	9	10	22	36	45	55	46	24
	+500 (+2.54)	0.01 (4)	9	10	23	37	46	55	46	24
	0 (0)	0.00 (0)	9	10	23	37	46	55	46	24
	-500 (-2.54)	0.01 (4)	9	11	24	37	46	55	46	25
	-1000 (-5.08)	0.05 (14)	10	11	24	38	47	55	46	25
	-1500 (-7.62)	0.13 (31)	10	11	24	38	47	55	46	25
	-2000 (-10.16)	0.23 (56)	10	11	25	38	47	55	47	26
	-2500 (-12.7)	0.37 (92)	10	11	25	39	48	55	47	26

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.04 (11)	0.10 (24)	0.17 (42)	0.26 (65)
60 (1500)	0.01 (2)	0.04 (11)	0.10 (24)	0.17 (43)	0.27 (67)
84 (2100)	0.01 (3)	0.05 (13)	0.12 (29)	0.21 (52)	0.33 (83)
108 (2700)	0.01 (4)	0.05 (14)	0.13 (31)	0.23 (56)	0.37 (92)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	56	43	39	38	42	43	44	40
	+2000 (+10.16)	50	36	32	31	38	38	38	34
	+1500 (+7.62)	42	27	22	22	33	31	29	26
	+1000 (+5.08)	30	14	10	10	25	21	17	14
	+500 (+2.54)	11	10	10	10	13	10	10	10
	-500 (-2.54)	16	10	10	10	10	15	10	10
	-1000 (-5.08)	34	17	10	13	27	31	29	25
	-1500 (-7.62)	44	29	23	26	36	41	40	36
	2000 (-10.16)	51	37	33	36	43	47	48	44
	-2500 (-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.06 (14)	1	2	6	9	10	10	7	2
	+2000 (+10.16)	0.04 (9)	1	2	6	9	10	10	7	2
	+1500 (+7.62)	0.02 (5)	1	2	6	9	10	10	7	2
	+1000 (+5.08)	0.01 (3)	1	2	6	10	10	10	7	2
	+500 (+2.54)	0.01 (2)	1	2	6	10	10	10	7	3
	0 (0)	0.00 (0)	1	2	6	10	10	10	7	3
	-500 (-2.54)	0.01 (2)	1	2	6	10	10	10	7	3
	-1000 (-5.08)	0.01 (3)	2	2	6	10	10	10	7	3
	-1500 (-7.62)	0.02 (5)	2	2	6	10	10	10	7	3
	-2000 (-10.16)	0.04 (9)	2	2	6	10	10	10	7	3
	-2500 (-12.7)	0.06 (14)	2	2	6	10	10	10	7	3
60 (1500)	+2500 (+12.7)	0.06 (15)	2	4	8	14	14	13	9	4
	+2000 (+10.16)	0.04 (10)	2	4	9	14	14	13	9	4
	+1500 (+7.62)	0.02 (6)	2	4	9	14	14	13	9	4
	+1000 (+5.08)	0.01 (3)	2	4	9	14	14	13	9	4
	+500 (+2.54)	0.01 (2)	2	4	9	14	14	13	9	4
	0 (0)	0.00 (0)	2	4	9	14	14	13	9	4
	-500 (-2.54)	0.01 (2)	2	4	9	14	14	13	9	4
	-1000 (-5.08)	0.01 (3)	2	4	9	15	14	13	9	4
	-1500 (-7.62)	0.02 (6)	2	4	9	15	15	13	9	4
	-2000 (-10.16)	0.04 (10)	2	4	9	15	15	13	9	4
	-2500 (-12.7)	0.06 (15)	2	4	9	15	15	13	9	4
84 (2100)	+2500 (+12.7)	0.06 (16)	2	5	11	18	18	16	11	6
	+2000 (+10.16)	0.04 (10)	2	5	11	19	18	16	11	6
	+1500 (+7.62)	0.02 (6)	2	5	12	19	18	16	11	6
	+1000 (+5.08)	0.01 (3)	2	5	12	19	18	16	11	6
	+500 (+2.54)	0.01 (2)	3	5	12	19	18	16	11	6
	0 (0)	0.00 (0)	3	5	12	19	19	16	11	6
	-500 (-2.54)	0.01 (2)	3	5	12	19	19	16	11	6
	-1000 (-5.08)	0.01 (3)	3	6	12	19	19	16	11	6
	-1500 (-7.62)	0.02 (6)	3	6	12	19	19	16	11	6
	-2000 (-10.16)	0.04 (10)	3	6	12	19	19	16	11	6
	-2500 (-12.7)	0.06 (16)	3	6	13	20	19	16	11	6
108 (2700)	+2500 (+12.7)	0.07 (17)	3	7	14	23	22	18	13	6
	+2000 (+10.16)	0.04 (11)	3	7	14	23	22	18	13	6
	+1500 (+7.62)	0.03 (6)	3	7	14	23	22	18	13	6
	+1000 (+5.08)	0.01 (3)	3	7	15	23	22	18	13	6
	+500 (+2.54)	0.01 (2)	3	7	15	24	23	18	13	6
	0 (0)	0.00 (0)	3	7	15	24	23	18	13	7
	-500 (-2.54)	0.01 (2)	3	7	15	24	23	18	13	7
	-1000 (-5.08)	0.01 (3)	3	7	15	24	23	18	13	7
	-1500 (-7.62)	0.03 (6)	3	7	15	24	23	18	13	7
	-2000 (-10.16)	0.04 (11)	3	7	16	24	23	18	13	8
	-2500 (-12.7)	0.07 (17)	3	7	16	24	23	18	13	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.01 (3)	0.02 (5)	0.04 (9)	0.06 (14)
60 (1500)	0.01 (2)	0.01 (3)	0.02 (6)	0.04 (10)	0.06 (15)
84 (2100)	0.01 (2)	0.01 (3)	0.02 (6)	0.04 (10)	0.06 (16)
108 (2700)	0.01 (2)	0.01 (3)	0.03 (6)	0.04 (11)	0.07 (17)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	37	21	15	16	29	26	24	20
	+2000 (+10.16)	30	14	10	10	25	21	17	14
	+1500 (+7.62)	22	10	10	10	20	14	10	10
	+1000 (+5.08)	11	10	10	10	13	10	10	10
	+500 (+2.54)	10	10	10	10	10	10	10	10
	-500 (-2.54)	10	10	10	10	10	10	10	10
	-1000 (-5.08)	16	10	10	10	10	15	10	10
	-1500 (-7.62)	26	10	10	10	20	25	21	17
	2000 (-10.16)	34	17	10	13	27	31	29	25
	-2500 (-12.7)	39	23	17	20	32	36	35	31

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.12 (30)	3	4	8	12	12	13	12	7
	+2000 (+10.16)	0.08 (19)	3	4	8	12	12	13	12	7
	+1500 (+7.62)	0.04 (10)	3	4	8	12	12	13	12	7
	+1000 (+5.08)	0.02 (4)	3	4	9	12	12	13	12	7
	+500 (+2.54)	0.01 (2)	3	4	9	12	12	13	12	7
	0 (0)	0.00 (0)	3	4	9	13	12	13	12	7
	-500 (-2.54)	0.01 (2)	3	4	9	13	13	13	12	7
	-1000 (-5.08)	0.02 (4)	3	4	9	13	13	13	12	7
	-1500 (-7.62)	0.04 (10)	3	4	9	13	13	13	12	7
	-2000 (-10.16)	0.08 (19)	3	4	9	13	13	13	12	7
	-2500 (-12.7)	0.12 (30)	3	4	9	13	13	13	12	7
60 (1500)	+2500 (+12.7)	0.12 (29)	4	6	11	17	18	17	13	7
	+2000 (+10.16)	0.07 (19)	4	6	12	17	18	17	13	7
	+1500 (+7.62)	0.04 (10)	4	6	12	18	18	17	13	7
	+1000 (+5.08)	0.02 (4)	4	6	12	18	18	17	13	7
	+500 (+2.54)	0.01 (2)	4	6	12	18	18	17	13	8
	0 (0)	0.00 (0)	4	6	12	18	18	17	13	8
	-500 (-2.54)	0.01 (2)	4	6	12	18	19	17	13	8
	-1000 (-5.08)	0.02 (4)	4	6	13	18	19	17	13	8
	-1500 (-7.62)	0.04 (10)	5	6	13	18	19	17	13	8
	-2000 (-10.16)	0.07 (19)	5	6	13	18	19	17	13	8
	-2500 (-12.7)	0.12 (29)	5	6	13	19	19	17	13	8
84 (2100)	+2500 (+12.7)	0.11 (28)	5	7	15	22	24	20	14	8
	+2000 (+10.16)	0.07 (18)	5	7	15	23	24	20	14	8
	+1500 (+7.62)	0.04 (10)	6	7	15	23	24	20	14	8
	+1000 (+5.08)	0.02 (4)	6	8	15	23	24	20	14	8
	+500 (+2.54)	0.01 (2)	6	8	16	23	24	20	14	8
	0 (0)	0.00 (0)	6	8	16	23	24	20	14	8
	-500 (-2.54)	0.01 (2)	6	8	16	23	25	20	14	8
	-1000 (-5.08)	0.02 (4)	6	8	16	24	25	20	14	8
	-1500 (-7.62)	0.04 (10)	6	8	16	24	25	20	14	8
	-2000 (-10.16)	0.07 (18)	6	8	17	24	25	20	14	9
	-2500 (-12.7)	0.11 (28)	6	8	17	24	25	20	14	9
108 (2700)	+2500 (+12.7)	0.10 (25)	7	9	18	28	29	24	16	9
	+2000 (+10.16)	0.06 (15)	7	9	18	28	30	24	16	9
	+1500 (+7.62)	0.04 (9)	7	9	18	28	30	24	16	9
	+1000 (+5.08)	0.02 (4)	7	9	19	28	30	24	16	9
	+500 (+2.54)	0.01 (2)	7	10	19	28	30	24	16	9
	0 (0)	0.00 (0)	7	10	19	29	30	24	16	9
	-500 (-2.54)	0.01 (2)	7	10	20	29	31	24	16	9
	-1000 (-5.08)	0.02 (4)	7	10	20	29	31	24	16	9
	-1500 (-7.62)	0.04 (9)	8	10	20	29	31	24	16	9
	-2000 (-10.16)	0.06 (15)	8	10	20	29	31	24	16	9
	-2500 (-12.7)	0.10 (25)	8	10	21	30	31	24	16	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.02 (4)	0.04 (10)	0.08 (19)	0.12 (30)
60 (1500)	0.01 (2)	0.02 (4)	0.04 (10)	0.07 (19)	0.12 (29)
84 (2100)	0.01 (2)	0.02 (4)	0.04 (10)	0.07 (18)	0.11 (28)
108 (2700)	0.01 (2)	0.02 (4)	0.04 (9)	0.06 (15)	0.10 (25)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	45	30	25	25	35	33	32	29
	+2000 (+10.16)	38	23	18	18	31	28	26	22
	+1500 (+7.62)	30	14	10	10	25	21	17	14
	+1000 (+5.08)	19	10	10	10	18	11	10	10
	+500 (+2.54)	10	10	10	10	10	10	10	10
	-500 (-2.54)	10	10	10	10	10	10	10	10
	-1000 (-5.08)	23	10	10	10	17	22	17	14
	-1500 (-7.62)	34	17	10	13	27	31	29	25
	2000 (-10.16)	41	25	19	22	33	38	37	33
	-2500 (-12.7)	47	32	27	30	39	43	43	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 144	36 - 108
Metric	275-300	850-900	2000-2100	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.35 (86)	4	5	11	15	14	17	17	11
	+2000 (+10.16)	0.22 (55)	4	6	11	15	14	17	17	11
	+1500 (+7.62)	0.12 (29)	4	6	11	15	14	17	17	11
	+1000 (+5.08)	0.05 (12)	4	6	11	15	15	17	17	11
	+500 (+2.54)	0.01 (3)	4	6	11	15	15	17	17	11
	0 (0)	0.00 (0)	4	6	12	15	15	17	17	11
	-500 (-2.54)	0.01 (3)	4	6	12	16	15	17	17	11
	-1000 (-5.08)	0.05 (12)	5	6	12	16	15	17	17	11
	-1500 (-7.62)	0.12 (29)	5	6	12	16	15	17	17	11
	-2000 (-10.16)	0.22 (55)	5	6	12	16	15	17	17	11
	-2500 (-12.7)	0.35 (86)	5	6	13	16	15	17	17	11
60 (1500)	+2500 (+12.7)	0.33 (83)	6	9	16	21	25	26	20	11
	+2000 (+10.16)	0.21 (53)	6	9	16	21	25	26	20	11
	+1500 (+7.62)	0.11 (28)	6	9	17	22	25	26	20	12
	+1000 (+5.08)	0.05 (12)	6	10	17	22	25	26	20	12
	+500 (+2.54)	0.01 (3)	6	10	17	22	26	26	20	12
	0 (0)	0.00 (0)	6	10	17	22	26	26	20	12
	-500 (-2.54)	0.01 (3)	6	10	18	22	26	26	20	12
	-1000 (-5.08)	0.05 (12)	6	10	18	23	26	26	20	12
	-1500 (-7.62)	0.11 (28)	7	10	18	23	26	26	20	12
	-2000 (-10.16)	0.21 (53)	7	11	19	23	27	26	20	12
	-2500 (-12.7)	0.33 (83)	7	11	19	23	27	26	20	12
84 (2100)	+2500 (+12.7)	0.32 (80)	7	13	21	28	35	35	23	12
	+2000 (+10.16)	0.20 (51)	8	13	22	28	35	35	23	12
	+1500 (+7.62)	0.11 (28)	8	13	22	28	36	35	23	12
	+1000 (+5.08)	0.05 (12)	8	13	23	28	36	35	23	12
	+500 (+2.54)	0.01 (3)	8	14	23	29	36	35	23	12
	0 (0)	0.00 (0)	8	14	23	29	37	35	23	12
	-500 (-2.54)	0.01 (3)	8	14	24	29	37	35	23	13
	-1000 (-5.08)	0.05 (12)	8	14	24	29	37	35	23	13
	-1500 (-7.62)	0.11 (28)	8	14	24	30	38	35	23	13
	-2000 (-10.16)	0.20 (51)	9	15	25	30	38	35	23	13
	-2500 (-12.7)	0.32 (80)	9	15	25	30	38	35	23	13
108 (2700)	+2500 (+12.7)	0.31 (77)	9	16	27	34	46	44	26	13
	+2000 (+10.16)	0.19 (48)	9	17	27	35	46	44	26	13
	+1500 (+7.62)	0.11 (27)	9	17	28	35	46	44	26	13
	+1000 (+5.08)	0.05 (12)	10	17	28	35	47	44	26	13
	+500 (+2.54)	0.01 (3)	10	17	29	35	47	44	26	13
	0 (0)	0.00 (0)	10	18	29	36	48	44	26	13
	-500 (-2.54)	0.01 (3)	10	18	30	36	48	44	26	13
	-1000 (-5.08)	0.05 (12)	10	18	30	36	48	44	26	14
	-1500 (-7.62)	0.11 (27)	10	19	31	37	49	44	26	14
	-2000 (-10.16)	0.19 (48)	11	19	31	37	49	44	27	14
	-2500 (-12.7)	0.31 (77)	11	19	32	37	50	44	27	14

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (3)	0.05 (12)	0.12 (29)	0.22 (55)	0.35 (86)
60 (1500)	0.01 (3)	0.05 (12)	0.11 (28)	0.21 (53)	0.33 (83)
84 (2100)	0.01 (3)	0.05 (12)	0.11 (28)	0.20 (51)	0.32 (80)
108 (2700)	0.01 (3)	0.05 (12)	0.11 (27)	0.19 (48)	0.31 (77)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	56	43	39	38	42	43	44	40
	+2000 (+10.16)	50	36	32	31	38	38	38	34
	+1500 (+7.62)	42	27	22	22	33	31	29	26
	+1000 (+5.08)	30	14	10	10	25	21	17	14
	+500 (+2.54)	11	10	10	10	13	10	10	10
	-500 (-2.54)	16	10	10	10	10	15	10	10
	-1000 (-5.08)	34	17	10	13	27	31	29	25
	-1500 (-7.62)	44	29	23	26	36	41	40	36
	2000 (-10.16)	51	37	33	36	43	47	48	44
	-2500 (-12.7)	57	44	41	43	48	52	55	50

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.12 (29)	2	4	5	8	7	8	4	1
	+2000 (+10.16)	0.07 (18)	2	4	5	8	7	8	4	1
	+1500 (+7.62)	0.04 (11)	2	4	5	8	7	8	4	1
	+1000 (+5.08)	0.02 (5)	2	4	5	8	7	8	4	1
	+500 (+2.54)	0.01 (2)	2	4	6	8	8	8	4	1
	0 (0)	0.00 (0)	2	4	6	8	8	8	4	1
	-500 (-2.54)	0.01 (2)	2	4	6	9	8	8	4	1
	-1000 (-5.08)	0.02 (5)	2	4	6	9	8	8	4	1
	-1500 (-7.62)	0.04 (11)	2	4	6	9	8	8	4	1
	-2000 (-10.16)	0.07 (18)	2	4	6	9	8	8	4	1
	-2500 (-12.7)	0.12 (29)	2	4	6	9	8	8	4	1
60 (1500)	+2500 (+12.7)	0.12 (30)	2	5	7	10	6	4	2	2
	+2000 (+10.16)	0.08 (20)	2	5	7	10	6	4	2	2
	+1500 (+7.62)	0.05 (12)	2	5	7	10	7	4	2	2
	+1000 (+5.08)	0.03 (6)	2	5	7	10	7	4	2	2
	+500 (+2.54)	0.01 (2)	2	5	8	10	7	4	2	2
	0 (0)	0.00 (0)	2	5	8	10	7	4	2	2
	-500 (-2.54)	0.01 (2)	2	5	8	11	7	4	2	2
	-1000 (-5.08)	0.03 (6)	2	5	8	11	7	4	2	2
	-1500 (-7.62)	0.05 (12)	3	5	8	11	7	4	2	2
	-2000 (-10.16)	0.08 (20)	3	5	8	11	7	4	2	2
	-2500 (-12.7)	0.12 (30)	3	5	8	11	7	4	2	2
84 (2100)	+2500 (+12.7)	0.13 (34)	4	6	10	14	10	9	8	3
	+2000 (+10.16)	0.08 (19)	4	6	11	14	10	9	8	3
	+1500 (+7.62)	0.05 (12)	4	6	11	14	10	9	8	3
	+1000 (+5.08)	0.02 (6)	4	6	11	14	10	9	8	3
	+500 (+2.54)	0.01 (2)	4	6	11	15	10	9	8	4
	0 (0)	0.00 (0)	4	6	11	15	10	9	8	4
	-500 (-2.54)	0.01 (2)	4	7	11	15	10	9	8	4
	-1000 (-5.08)	0.02 (6)	4	7	12	15	10	9	8	4
	-1500 (-7.62)	0.05 (12)	4	7	12	15	10	9	8	4
	-2000 (-10.16)	0.08 (19)	4	7	12	15	11	9	8	4
	-2500 (-12.7)	0.13 (34)	4	7	12	15	11	9	8	4
108 (2700)	+2500 (+12.7)	0.13 (31)	4	7	13	18	13	11	10	3
	+2000 (+10.16)	0.09 (22)	4	7	13	18	13	11	10	3
	+1500 (+7.62)	0.05 (12)	4	7	13	18	13	11	10	3
	+1000 (+5.08)	0.02 (5)	4	7	14	18	13	11	10	3
	+500 (+2.54)	0.01 (2)	4	8	14	18	13	11	11	4
	0 (0)	0.00 (0)	4	8	14	19	13	11	11	6
	-500 (-2.54)	0.01 (2)	4	8	14	19	13	11	11	6
	-1000 (-5.08)	0.02 (5)	4	8	14	19	13	11	11	6
	-1500 (-7.62)	0.05 (12)	5	8	15	19	13	11	11	6
	-2000 (-10.16)	0.09 (22)	5	8	15	19	13	11	11	6
	-2500 (-12.7)	0.13 (31)	5	8	15	19	13	11	11	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (2)	0.02 (5)	0.04 (11)	0.07 (18)	0.12 (29)
60 (1500)	0.01 (2)	0.03 (6)	0.05 (12)	0.08 (20)	0.12 (30)
84 (2100)	0.01 (2)	0.02 (6)	0.05 (12)	0.08 (19)	0.13 (34)
108 (2700)	0.01 (2)	0.02 (5)	0.05 (12)	0.09 (22)	0.13 (31)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	46	32	27	27	36	35	34	30
	+2000 (+10.16)	40	25	19	20	32	29	27	24
	+1500 (+7.62)	32	15	12	12	27	22	19	16
	+1000 (+5.08)	21	12	12	12	20	12	12	12
	+500 (+2.54)	12	12	12	12	12	12	12	12
	-500 (-2.54)	12	12	12	12	12	12	12	12
	-1000 (-5.08)	25	12	12	12	19	23	19	15
	-1500 (-7.62)	35	18	12	15	28	33	30	26
	2000 (-10.16)	42	27	20	24	35	39	38	34
	-2500 (-12.7)	48	33	28	31	40	45	45	40

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.32 (80)	2	5	6	9	8	8	6	2
	+2000 (+10.16)	0.21 (52)	3	5	6	9	8	8	7	2
	+1500 (+7.62)	0.12 (29)	3	5	6	9	8	8	7	2
	+1000 (+5.08)	0.05 (13)	3	5	6	9	8	8	7	2
	+500 (+2.54)	0.01 (3)	3	5	6	10	8	8	7	2
	0 (0)	0.00 (0)	3	5	6	10	9	8	7	2
	-500 (-2.54)	0.01 (3)	3	5	7	10	9	8	7	2
	-1000 (-5.08)	0.05 (13)	3	5	7	10	9	8	7	2
	-1500 (-7.62)	0.12 (29)	3	6	7	10	9	8	7	3
	-2000 (-10.16)	0.21 (52)	3	6	7	10	9	8	7	3
	-2500 (-12.7)	0.32 (80)	3	6	7	10	9	8	7	3
60 (1500)	+2500 (+12.7)	0.18 (44)	4	6	8	12	10	6	4	4
	+2000 (+10.16)	0.12 (29)	4	6	8	12	10	6	4	4
	+1500 (+7.62)	0.07 (17)	4	6	8	12	10	6	4	4
	+1000 (+5.08)	0.03 (8)	5	6	9	12	10	6	4	4
	+500 (+2.54)	0.01 (3)	5	7	9	12	10	6	4	4
	0 (0)	0.00 (0)	5	7	9	12	10	6	4	4
	-500 (-2.54)	0.01 (3)	5	7	9	13	10	6	4	4
	-1000 (-5.08)	0.03 (8)	5	7	9	13	10	6	4	4
	-1500 (-7.62)	0.07 (17)	5	7	9	13	10	6	4	4
	-2000 (-10.16)	0.12 (29)	5	7	10	13	10	6	4	4
	-2500 (-12.7)	0.18 (44)	5	7	10	13	11	6	4	4
84 (2100)	+2500 (+12.7)	0.19 (48)	5	8	12	17	14	12	10	5
	+2000 (+10.16)	0.12 (30)	5	8	13	17	14	12	10	5
	+1500 (+7.62)	0.07 (17)	5	8	13	18	14	12	10	5
	+1000 (+5.08)	0.03 (8)	5	8	13	18	14	12	10	5
	+500 (+2.54)	0.01 (3)	6	9	13	18	14	12	10	5
	0 (0)	0.00 (0)	6	9	14	18	14	12	10	5
	-500 (-2.54)	0.01 (3)	6	9	14	18	15	12	10	5
	-1000 (-5.08)	0.03 (8)	6	9	14	18	15	12	10	5
	-1500 (-7.62)	0.07 (17)	6	9	14	19	15	12	10	5
	-2000 (-10.16)	0.12 (30)	6	9	15	19	15	12	10	5
	-2500 (-12.7)	0.19 (48)	6	10	15	19	15	12	10	5
108 (2700)	+2500 (+12.7)	0.19 (47)	7	10	15	21	16	14	12	7
	+2000 (+10.16)	0.11 (28)	7	10	15	22	17	14	12	7
	+1500 (+7.62)	0.06 (15)	7	10	16	22	17	14	12	7
	+1000 (+5.08)	0.03 (8)	7	11	16	22	17	14	12	7
	+500 (+2.54)	0.01 (3)	7	11	16	22	17	14	12	7
	0 (0)	0.00 (0)	7	11	17	22	17	14	12	7
	-500 (-2.54)	0.01 (3)	7	11	17	23	17	14	12	7
	-1000 (-5.08)	0.03 (8)	8	11	17	23	18	14	12	7
	-1500 (-7.62)	0.06 (15)	8	12	18	23	18	14	12	7
	-2000 (-10.16)	0.11 (28)	8	12	18	23	18	14	12	7
	-2500 (-12.7)	0.19 (47)	8	12	18	23	18	14	12	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.01 (3)	0.05 (13)	0.12 (29)	0.21 (52)	0.32 (80)
60 (1500)	0.01 (3)	0.03 (8)	0.07 (17)	0.12 (29)	0.18 (44)
84 (2100)	0.01 (3)	0.03 (8)	0.07 (17)	0.12 (30)	0.19 (48)
108 (2700)	0.01 (3)	0.03 (8)	0.06 (15)	0.11 (28)	0.19 (47)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	54	41	37	35	41	42	42	38
	+2000 (+10.16)	48	34	29	29	37	36	36	32
	+1500 (+7.62)	40	25	19	20	32	29	27	24
	+1000 (+5.08)	29	12	12	12	25	19	15	12
	+500 (+2.54)	12	12	12	12	12	12	12	12
	-500 (-2.54)	15	12	12	12	12	14	12	12
	-1000 (-5.08)	32	15	12	12	25	30	27	23
	-1500 (-7.62)	42	27	20	24	35	39	38	34
	2000 (-10.16)	50	35	31	33	42	46	47	42
	-2500 (-12.7)	55	42	38	40	47	51	53	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.75	1.5	3	6	12	24	48	96	192
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

Performance Data - Model RHTX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 144	36 - 108
Metric	575-650	1450-1600	150 - 3600	900 - 2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	1.24 (310)	4	6	9	12	11	12	9	4
	+2000 (+10.16)	0.80 (200)	4	6	9	13	12	12	9	4
	+1500 (+7.62)	0.45 (113)	4	6	9	13	12	12	9	4
	+1000 (+5.08)	0.20 (49)	4	6	9	13	12	12	9	4
	+500 (+2.54)	0.04 (10)	4	6	9	13	12	12	9	4
	0 (0)	0.00 (0)	4	7	10	13	12	12	9	4
	-500 (-2.54)	0.04 (10)	4	7	10	13	12	12	9	5
	-1000 (-5.08)	0.20 (49)	4	7	10	13	12	12	9	5
	-1500 (-7.62)	0.45 (113)	4	7	10	14	12	12	10	5
	-2000 (-10.16)	0.80 (200)	5	7	10	14	13	12	10	5
	-2500 (-12.7)	1.24 (310)	5	7	11	14	13	12	10	5
60 (1500)	+2500 (+12.7)	0.50 (125)	6	9	11	16	14	10	8	7
	+2000 (+10.16)	0.30 (75)	6	9	11	16	14	10	8	7
	+1500 (+7.62)	0.18 (44)	6	9	11	16	15	10	8	7
	+1000 (+5.08)	0.08 (20)	6	9	12	17	15	10	8	7
	+500 (+2.54)	0.02 (5)	6	9	12	17	15	10	8	7
	0 (0)	0.00 (0)	6	10	12	17	15	10	8	7
	-500 (-2.54)	0.02 (5)	6	10	13	17	15	10	8	7
	-1000 (-5.08)	0.08 (20)	7	10	13	17	15	10	8	7
	-1500 (-7.62)	0.18 (44)	7	10	13	18	16	10	8	7
	-2000 (-10.16)	0.30 (75)	7	11	13	18	16	10	8	6
	-2500 (-12.7)	0.50 (125)	7	11	14	18	16	10	8	6
84 (2100)	+2500 (+12.7)	0.35 (87)	8	11	14	21	20	16	13	8
	+2000 (+10.16)	0.22 (55)	8	11	14	21	20	16	13	8
	+1500 (+7.62)	0.12 (31)	9	12	14	21	20	16	13	8
	+1000 (+5.08)	0.06 (14)	9	12	15	21	20	16	13	8
	+500 (+2.54)	0.02 (4)	9	12	15	22	21	16	13	8
	0 (0)	0.00 (0)	9	12	15	22	21	16	13	8
	-500 (-2.54)	0.02 (4)	9	13	16	22	21	16	13	8
	-1000 (-5.08)	0.06 (14)	10	13	16	22	21	16	13	8
	-1500 (-7.62)	0.12 (31)	10	13	16	23	21	16	13	8
	-2000 (-10.16)	0.22 (55)	10	14	17	23	22	16	13	8
	-2500 (-12.7)	0.35 (87)	10	14	17	23	22	16	13	9
108 (2700)	+2500 (+12.7)	0.36 (91)	10	13	17	25	24	20	14	9
	+2000 (+10.16)	0.25 (63)	10	14	18	26	24	20	14	9
	+1500 (+7.62)	0.13 (32)	10	14	18	26	25	20	14	9
	+1000 (+5.08)	0.06 (16)	10	14	19	26	25	20	14	9
	+500 (+2.54)	0.02 (5)	11	15	19	27	25	20	14	9
	0 (0)	0.00 (0)	11	15	20	27	26	20	14	9
	-500 (-2.54)	0.02 (5)	11	15	20	27	26	20	14	9
	-1000 (-5.08)	0.06 (16)	11	16	20	28	26	20	15	9
	-1500 (-7.62)	0.13 (32)	12	16	21	28	26	20	15	9
	-2000 (-10.16)	0.25 (63)	12	16	21	28	27	20	15	9
	-2500 (-12.7)	0.36 (91)	12	17	22	28	27	20	15	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm	2500 fpm
36 (900)	0.04 (10)	0.20 (49)	0.45 (113)	0.80 (200)	1.24 (310)
60 (1500)	0.02 (5)	0.08 (20)	0.18 (44)	0.30 (75)	0.50 (125)
84 (2100)	0.02 (4)	0.06 (14)	0.12 (31)	0.22 (55)	0.35 (87)
108 (2700)	0.02 (5)	0.06 (16)	0.13 (32)	0.25 (63)	0.36 (91)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	65	54	51	48	49	52	54	50
	+2000 (+10.16)	59	47	43	41	45	46	47	44
	+1500 (+7.62)	51	38	33	32	39	39	39	35
	+1000 (+5.08)	40	25	19	20	32	29	27	24
	+500 (+2.54)	25	20	15	15	20	12	12	12
	-500 (-2.54)	25	20	15	15	19	23	19	15
	-1000 (-5.08)	42	27	20	24	35	39	38	34
	-1500 (-7.62)	53	39	35	37	44	49	50	45
	2000 (-10.16)	60	47	45	46	51	55	58	53
	-2500 (-12.7)	66	54	53	54	56	61	64	59

Generated Noise Corrections

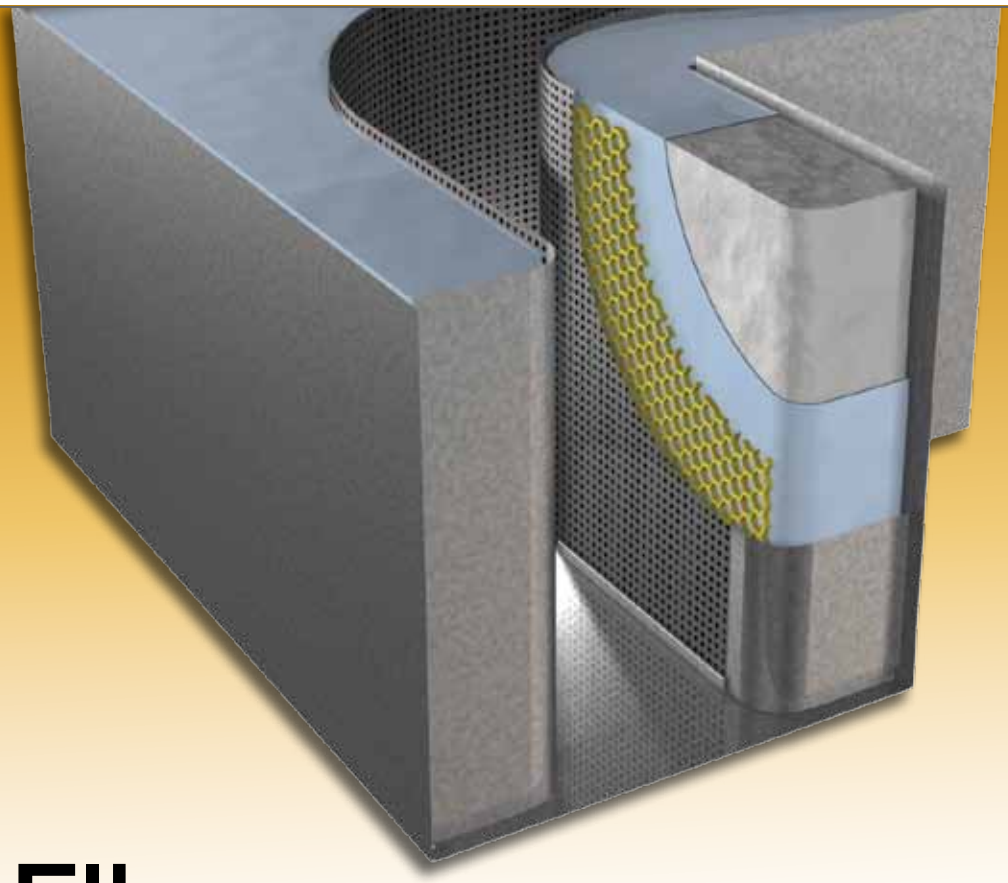
Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

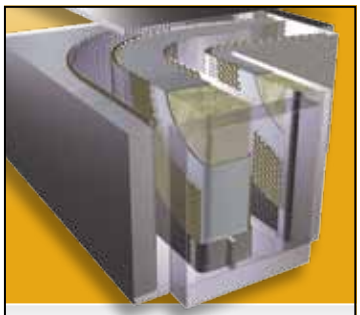


Elbow

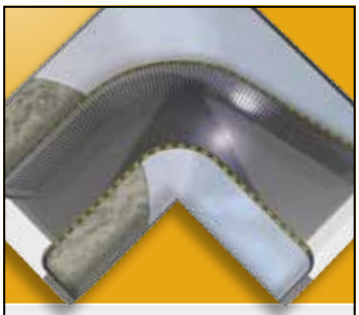
FILM LINED SILENCERS

Price Film Lined Elbow Silencers are designed to provide a solution to undesirable noise in short runs of ductwork with the added protection of a thin film liner that encapsulates the acoustic media. To improve the acoustic performance of the film liner, acoustic standoff is placed between the film liner and the perforated metal.

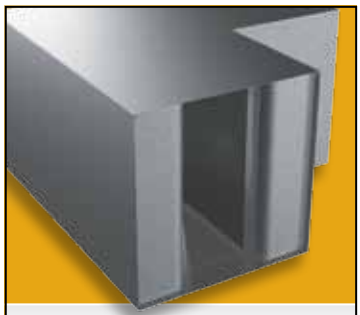
Optimized elbow design with film lined acoustic media protects against elements in the air stream.



Extended casing film lined option



Optimized turning radius



Media protected from contaminants

Commonly used in hospital applications

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Absorptive Elbow Film Lined Silencers
ERMT Series

Product Information

Models

Elbow Film Lined Silencers

Elbow Film Lined Medium Velocity **ERMT**

Price Absorptive Film Lined Elbow Silencers are designed to provide a solution to undesirable noise in short runs of ductwork, with the added protection of a thin polymer film liner that encapsulates the acoustic media. This film liner protects the acoustic media from moisture and airborne contaminants that may be present in the duct system. A minimal system pressure drop is maintained by utilizing the same internal design of the standard absorptive silencers. These features, combined with Price's ability to build each silencer to match the ductwork design, offer excellent flexibility to suit any application.

Features

- Thin polymer film liner that encapsulates the acoustic media for added protection.
- Acoustic standoff that separates the film liner from the perforated metal to ensure the highest levels of insertion loss.
- Improved mid frequency performance, provided by a 90 degree bend.
- The same engineered internal geometries that are used in the standard absorptive silencers to maximize insertion loss and minimize pressure drop.

ERMT Silencers

Price ERMT film lined absorptive silencers are designed for a large range of velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with duct velocities of 2500 fpm or less.

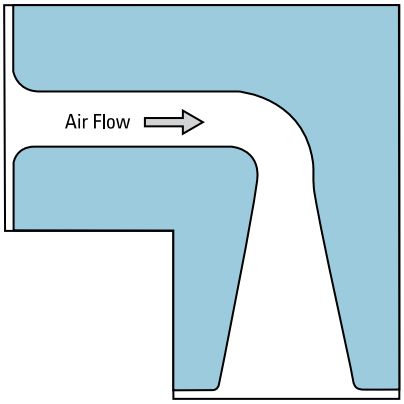
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity range:

Model	Description	Air Velocity Range (fpm)
ERMT	Medium Velocity Silencer	0-2500*

* Price ERM silencers are designed for a large range of velocities.

ERMT - Rectangular Medium Velocity



ERMT60/6B

- **Air Velocity**: M - Medium Velocity
- **Length**: Range from 36" - 144"
- **Module Factor**:
  1 - 12" - 13.99"
  2 - 14" - 16.99"
  3 - 17" - 18.99"
  4 - 19" - 20.99"
  5 - 21" - 22.99"
  6 - 23" - 24.99"
  7 - 25" - 26.99"
  8 - 27" - 28.99"
  9 - 29" - 30.99"
  U - 31" - 32.99"
  V - 33" - 34.99"
  W - 35" - 38.99"
  X - 39" - 42.99"
  Y - 43" - 46.99"
  Z - 47" - 50"
- **P.A. Code**: Range From A - F

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Silencers
ERMT Series

Product Information

Construction

Price absorptive elbow film lined silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, film liner, acoustic standoff, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Liner

A thin polymer film is wrapped around the fiberglass media to provide a protective barrier against elements that may be found in the air stream. To ensure that acoustic performance is maintained, an acoustic standoff is placed between the perforated metal and the film liner.

Components

Elbow silencers that exceed a width of 59 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensions

Price absorptive elbow film lined silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

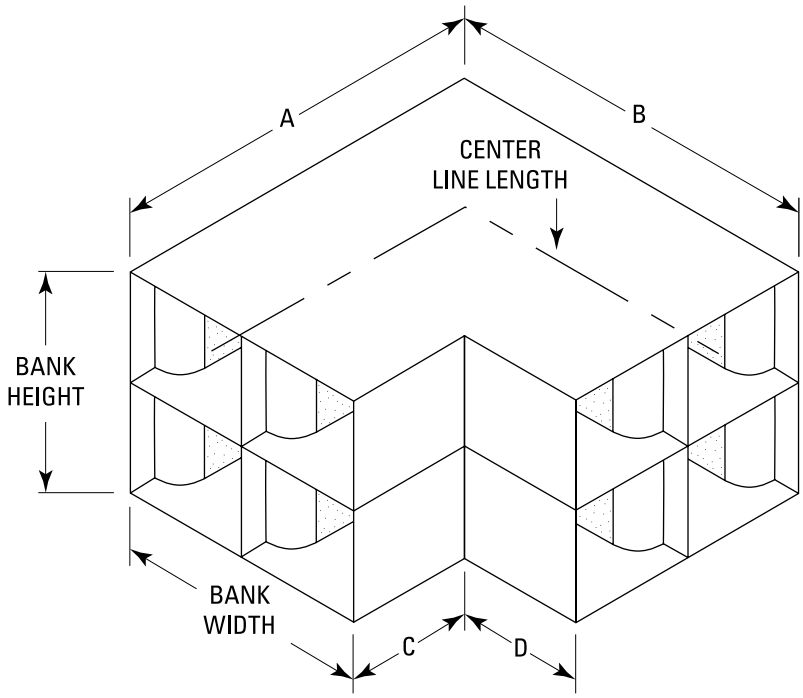
- Paint
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
HTL1**	16	28	29	31	33	36	39	42	42
HTL2**	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High Sound Transmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Duct Width		Duct Height		Center Line Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	76	6	120	36	144	6	59	6	48

Leg A		Leg B		Leg C		Leg D	
Min	Max	Min	Max	Min	Max	Min	Max
12	132	18	138	6	126	12	132

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	6	12-13	24-26	6 - 120	36 - 144
Metric	150	300-325	600-650	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.27 (68)	5	4	12	14	24	32	24	16
	+1250 (+6.35)	0.14 (35)	6	3	12	14	25	31	24	16
	+750 (+3.81)	0.05 (13)	5	5	12	14	25	31	23	16
	+375 (+1.91)	0.01 (3)	5	4	13	15	25	31	23	16
	0 (0)	0.00 (0)	4	6	13	14	26	32	24	17
	-375 (-1.91)	0.01 (3)	6	7	14	14	26	31	24	16
	-750 (-3.81)	0.05 (13)	6	6	14	14	26	32	24	16
	-1250 (-6.35)	0.14 (35)	5	6	14	15	27	31	24	15
	-1750 (-8.89)	0.27 (68)	4	8	15	16	28	34	23	15
60 (1500)	+1750 (+8.89)	0.31 (78)	6	6	15	20	31	40	31	20
	+1250 (+6.35)	0.16 (40)	7	6	16	20	31	40	31	20
	+750 (+3.81)	0.06 (14)	7	7	16	20	31	40	31	20
	+375 (+1.91)	0.01 (4)	7	6	16	21	32	40	31	20
	0 (0)	0.00 (0)	6	8	16	21	32	40	31	20
	-375 (-1.91)	0.01 (4)	7	8	17	21	32	41	31	20
	-750 (-3.81)	0.06 (14)	7	8	17	21	33	41	31	19
	-1250 (-6.35)	0.16 (40)	7	9	18	21	33	41	31	19
	-1750 (-8.89)	0.31 (78)	7	10	18	22	33	41	30	19
84 (2100)	+1750 (+8.89)	0.35 (88)	7	8	18	26	38	48	39	25
	+1250 (+6.35)	0.18 (45)	8	9	19	26	38	49	39	25
	+750 (+3.81)	0.06 (16)	8	9	19	27	38	49	38	24
	+375 (+1.91)	0.02 (4)	8	9	19	27	38	49	38	24
	0 (0)	0.00 (0)	9	10	20	27	38	49	38	23
	-375 (-1.91)	0.02 (4)	9	10	20	28	39	50	38	23
	-750 (-3.81)	0.06 (16)	9	10	20	28	39	50	38	23
	-1250 (-6.35)	0.18 (45)	9	12	21	28	39	50	38	22
	-1750 (-8.89)	0.35 (88)	9	12	21	28	39	47	37	23
108 (2700)	+1750 (+8.89)	0.39 (97)	9	10	21	32	44	55	47	30
	+1250 (+6.35)	0.20 (50)	9	11	22	32	44	55	46	29
	+750 (+3.81)	0.07 (18)	10	11	22	33	44	55	46	28
	+375 (+1.91)	0.02 (4)	10	11	23	33	44	55	45	27
	0 (0)	0.00 (0)	11	11	23	33	44	55	45	27
	-375 (-1.91)	0.02 (4)	10	12	23	35	46	55	45	27
	-750 (-3.81)	0.07 (18)	10	12	24	35	45	55	45	26
	-1250 (-6.35)	0.20 (50)	11	15	24	35	45	55	45	26
	-1750 (-8.89)	0.39 (97)	11	13	25	33	44	53	44	26

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.05 (13)	0.14 (35)	0.27 (68)
60 (1500)	0.01 (4)	0.06 (14)	0.16 (40)	0.31 (78)
84 (2100)	0.02 (4)	0.06 (16)	0.18 (45)	0.35 (88)
108 (2700)	0.02 (4)	0.07 (18)	0.20 (50)	0.39 (97)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	57	52	46	46	45	41	44	37
	+1250 (+6.35)	44	43	36	38	38	31	34	25
	+750 (+3.81)	24	29	21	26	26	16	17	10
	+375 (+1.91)	10	10	10	10	11	10	10	10
	-375 (-1.91)	19	15	10	10	13	10	10	10
	-750 (-3.81)	36	31	23	10	27	24	19	10
	-1250 (-6.35)	49	42	36	23	37	36	35	26
	-1750 (-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software..

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	6	12-13	24-26	6 - 120	36 - 144
Metric	150	300-325	600-650	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.41 (102)	4	5	14	17	34	43	31	19
	+1250 (+6.35)	0.21 (52)	4	6	15	18	34	42	29	19
	+750 (+3.81)	0.08 (19)	4	5	15	18	35	41	29	19
	+375 (+1.91)	0.02 (5)	4	6	15	19	34	41	29	19
	0 (0)	0.00 (0)	3	6	15	19	35	42	29	21
	-375 (-1.91)	0.02 (5)	3	7	16	20	36	43	30	19
	-750 (-3.81)	0.08 (19)	4	7	16	20	36	43	29	18
	-1250 (-6.35)	0.21 (52)	3	7	17	21	37	44	28	18
	-1750 (-8.89)	0.41 (102)	5	9	17	21	37	47	30	18
60 (1500)	+1750 (+8.89)	0.49 (123)	5	7	18	22	37	47	36	24
	+1250 (+6.35)	0.25 (63)	6	8	18	23	37	47	36	24
	+750 (+3.81)	0.09 (23)	6	8	19	24	38	47	36	23
	+375 (+1.91)	0.02 (6)	6	8	19	24	38	47	36	23
	0 (0)	0.00 (0)	6	9	20	25	38	48	37	24
	-375 (-1.91)	0.02 (6)	6	10	20	25	39	48	37	23
	-750 (-3.81)	0.09 (23)	6	10	21	25	39	48	36	22
	-1250 (-6.35)	0.25 (63)	6	10	22	26	39	48	35	22
	-1750 (-8.89)	0.49 (123)	7	12	23	26	40	48	35	22
84 (2100)	+1750 (+8.89)	0.57 (143)	7	9	22	28	40	50	42	28
	+1250 (+6.35)	0.29 (73)	8	10	22	28	40	52	44	28
	+750 (+3.81)	0.11 (26)	8	10	23	29	41	52	44	27
	+375 (+1.91)	0.03 (7)	8	10	24	30	41	53	43	26
	0 (0)	0.00 (0)	9	12	24	30	41	53	44	27
	-375 (-1.91)	0.03 (7)	9	13	25	30	41	53	44	27
	-750 (-3.81)	0.11 (26)	9	13	26	30	41	53	43	26
	-1250 (-6.35)	0.29 (73)	10	14	27	31	42	51	42	25
	-1750 (-8.89)	0.57 (143)	10	15	28	31	42	49	39	25
108 (2700)	+1750 (+8.89)	0.66 (164)	8	12	25	33	44	53	48	33
	+1250 (+6.35)	0.34 (83)	10	12	26	33	43	55	51	32
	+750 (+3.81)	0.12 (30)	11	12	27	35	44	55	51	31
	+375 (+1.91)	0.03 (8)	11	12	28	35	45	55	51	30
	0 (0)	0.00 (0)	12	14	29	36	44	55	51	30
	-375 (-1.91)	0.03 (8)	12	16	29	36	44	55	51	30
	-750 (-3.81)	0.12 (30)	12	17	31	35	44	55	50	30
	-1250 (-6.35)	0.34 (83)	13	17	32	36	44	55	49	29
	-1750 (-8.89)	0.66 (164)	12	19	34	36	45	50	44	28

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (5)	0.08 (19)	0.21 (52)	0.41 (102)
60 (1500)	0.02 (6)	0.09 (23)	0.25 (63)	0.49 (123)
84 (2100)	0.03 (7)	0.11 (26)	0.29 (73)	0.57 (143)
108 (2700)	0.03 (8)	0.12 (30)	0.34 (83)	0.66 (164)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	68	60	55	53	51	49	54	48
	+1250 (+6.35)	55	51	45	45	44	40	43	35
	+750 (+3.81)	35	37	30	33	33	25	27	17
	+375 (+1.91)	10	18	10	17	18	10	10	10
	-375 (-1.91)	26	22	12	10	19	14	10	10
	-750 (-3.81)	43	37	30	15	33	31	28	19
	-1250 (-6.35)	56	48	44	34	43	43	44	36
	-1750 (-8.89)	64	56	52	46	50	51	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	6	12-13	24-26	6 - 120	36 - 144
Metric	150	300-325	600-650	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	1.18 (295)	3	8	16	20	35	48	34	22
	+1250 (+6.35)	0.60 (150)	3	10	16	21	38	50	33	22
	+750 (+3.81)	0.22 (54)	3	9	17	23	39	47	32	22
	+375 (+1.91)	0.05 (14)	4	11	18	24	39	48	31	21
	0 (0)	0.00 (0)	4	11	19	26	39	49	32	22
	-375 (-1.91)	0.05 (14)	4	11	19	26	39	49	31	21
	-750 (-3.81)	0.22 (54)	4	12	19	27	39	50	30	20
	-1250 (-6.35)	0.60 (150)	6	12	20	27	39	51	35	19
	-1750 (-8.89)	1.18 (295)	10	14	21	28	40	49	35	18
60 (1500)	+1750 (+8.89)	1.24 (308)	6	9	21	25	38	49	37	27
	+1250 (+6.35)	0.63 (157)	6	11	22	26	40	52	40	27
	+750 (+3.81)	0.23 (57)	7	11	23	27	41	52	40	27
	+375 (+1.91)	0.06 (14)	7	12	23	28	41	52	39	26
	0 (0)	0.00 (0)	8	13	24	29	40	52	40	27
	-375 (-1.91)	0.06 (14)	9	14	25	29	40	53	39	26
	-750 (-3.81)	0.23 (57)	9	15	25	30	40	53	38	25
	-1250 (-6.35)	0.63 (157)	11	15	26	30	41	50	38	24
	-1750 (-8.89)	1.24 (308)	13	17	27	31	41	49	35	22
84 (2100)	+1750 (+8.89)	1.29 (321)	9	11	27	29	40	50	40	32
	+1250 (+6.35)	0.66 (164)	9	12	28	31	42	55	46	32
	+750 (+3.81)	0.24 (59)	10	13	29	31	42	56	48	32
	+375 (+1.91)	0.06 (15)	11	13	29	32	42	56	48	31
	0 (0)	0.00 (0)	12	15	30	32	42	56	48	31
	-375 (-1.91)	0.06 (15)	13	16	31	32	42	56	48	31
	-750 (-3.81)	0.24 (59)	14	17	31	32	42	55	47	30
	-1250 (-6.35)	0.66 (164)	15	19	33	33	42	50	40	28
	-1750 (-8.89)	1.29 (321)	16	20	33	33	42	49	35	26
108 (2700)	+1750 (+8.89)	1.35 (335)	12	13	32	34	43	51	42	37
	+1250 (+6.35)	0.69 (171)	12	13	33	36	44	55	53	38
	+750 (+3.81)	0.25 (61)	13	14	34	35	43	55	55	37
	+375 (+1.91)	0.06 (15)	15	14	35	35	43	55	55	36
	0 (0)	0.00 (0)	16	17	35	35	43	55	55	36
	-375 (-1.91)	0.06 (15)	17	19	36	35	44	55	55	36
	-750 (-3.81)	0.25 (61)	19	20	37	35	44	55	55	35
	-1250 (-6.35)	0.69 (171)	19	22	39	35	44	49	42	33
	-1750 (-8.89)	1.35 (335)	19	23	39	36	44	49	35	30

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (14)	0.22 (54)	0.60 (150)	1.18 (295)
60 (1500)	0.06 (14)	0.23 (57)	0.63 (157)	1.24 (308)
84 (2100)	0.06 (15)	0.24 (59)	0.66 (164)	1.29 (321)
108 (2700)	0.06 (15)	0.25 (61)	0.69 (171)	1.35 (335)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	83	71	67	62	60	61	66	62
	+1250 (+6.35)	70	62	57	54	53	51	56	50
	+750 (+3.81)	51	48	42	42	42	37	40	32
	+375 (+1.91)	24	29	21	26	26	16	17	10
	-375 (-1.91)	36	31	23	10	27	24	19	10
	-750 (-3.81)	53	46	41	30	41	41	41	32
	-1250 (-6.35)	65	57	54	48	52	53	57	50
	-1750 (-8.89)	74	65	63	60	58	61	67	61

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	12	23-24	46-48	6 - 120	36 - 144
Metric	300	575-600	1150-1200	150 - 3000	900 - 3600

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.19 (48)	5	6	7	12	20	24	18	11
	+1250 (+6.35)	0.10 (24)	6	4	8	12	20	24	18	11
	+750 (+3.81)	0.04 (9)	7	4	8	12	20	23	18	12
	+375 (+1.91)	0.01 (2)	7	5	8	12	20	23	18	12
	0 (0)	0.00 (0)	6	7	8	12	20	22	18	12
	-375 (-1.91)	0.01 (2)	7	7	8	12	19	23	18	12
	-750 (-3.81)	0.04 (9)	7	7	8	13	19	23	18	12
	-1250 (-6.35)	0.10 (24)	6	8	9	13	19	23	18	12
	-1750 (-8.89)	0.19 (48)	6	8	9	13	19	23	19	12
60 (1500)	+1750 (+8.89)	0.20 (50)	6	6	9	15	23	27	21	13
	+1250 (+6.35)	0.10 (25)	6	5	10	15	23	27	21	14
	+750 (+3.81)	0.04 (9)	7	5	10	16	23	27	21	14
	+375 (+1.91)	0.01 (2)	7	6	10	16	23	27	21	14
	0 (0)	0.00 (0)	7	8	10	16	23	27	21	14
	-375 (-1.91)	0.01 (2)	7	7	10	16	23	27	21	14
	-750 (-3.81)	0.04 (9)	7	8	11	16	23	27	21	14
	-1250 (-6.35)	0.10 (25)	7	9	11	16	23	27	21	13
	-1750 (-8.89)	0.20 (50)	7	9	11	17	23	27	21	14
84 (2100)	+1750 (+8.89)	0.22 (54)	8	7	14	22	29	35	27	18
	+1250 (+6.35)	0.11 (28)	8	7	14	22	29	35	27	18
	+750 (+3.81)	0.04 (10)	8	7	14	23	29	35	27	18
	+375 (+1.91)	0.01 (2)	8	8	15	23	30	35	27	17
	0 (0)	0.00 (0)	8	9	15	23	29	35	27	17
	-375 (-1.91)	0.01 (2)	8	9	15	23	30	35	27	18
	-750 (-3.81)	0.04 (10)	8	10	15	23	30	35	26	17
	-1250 (-6.35)	0.11 (28)	8	11	16	24	30	35	26	17
	-1750 (-8.89)	0.22 (54)	8	11	16	24	30	35	26	17
108 (2700)	+1750 (+8.89)	0.24 (59)	10	8	18	28	36	43	33	22
	+1250 (+6.35)	0.12 (30)	10	9	18	29	36	43	33	22
	+750 (+3.81)	0.04 (11)	10	9	18	29	36	43	33	22
	+375 (+1.91)	0.01 (3)	9	9	19	30	36	43	33	21
	0 (0)	0 (0)	9	9	19	30	36	43	32	21
	-375 (-1.91)	0.01 (3)	9	11	20	30	36	43	33	21
	-750 (-3.81)	0.04 (11)	9	12	20	31	37	43	32	21
	-1250 (-6.35)	0.12 (30)	9	13	20	31	36	42	31	20
	-1750 (-8.89)	0.24 (59)	9	12	20	31	37	42	30	20

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.04 (9)	0.10 (24)	0.19 (48)
60 (1500)	0.01 (2)	0.04 (9)	0.10 (25)	0.20 (50)
84 (2100)	0.01 (2)	0.04 (10)	0.11 (28)	0.22 (54)
108 (2700)	0.01 (3)	0.04 (11)	0.12 (30)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	57	52	46	46	45	41	44	37
	+1250 (+6.35)	44	43	36	38	38	31	34	25
	+750 (+3.81)	24	29	21	26	26	16	17	10
	+375 (+1.91)	10	10	10	10	11	10	10	10
	-375 (-1.91)	19	15	10	10	13	10	10	10
	-750 (-3.81)	36	31	23	10	27	24	19	10
	-1250 (-6.35)	49	42	36	23	37	36	35	26
	-1750 (-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	12	23-24	46-48	6 - 120	36 - 120
Metric	300	575-600	1150-1200	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.62 (154)	4	7	10	15	25	28	24	15
	+1250 (+6.35)	0.32 (79)	4	7	10	15	25	27	23	15
	+750 (+3.81)	0.11 (28)	4	8	10	15	25	28	24	15
	+375 (+1.91)	0.03 (7)	5	8	11	16	25	27	24	15
	0 (0)	0.00 (0)	5	8	11	16	25	27	24	15
	-375 (-1.91)	0.03 (7)	6	8	11	15	25	27	24	16
	-750 (-3.81)	0.11 (28)	7	9	11	15	25	27	24	16
	-1250 (-6.35)	0.32 (79)	7	9	11	15	25	28	25	16
	-1750 (-8.89)	0.62 (154)	7	9	12	16	25	29	25	16
60 (1500)	+1750 (+8.89)	0.59 (148)	5	8	12	18	29	32	26	17
	+1250 (+6.35)	0.30 (75)	5	8	12	18	28	31	26	17
	+750 (+3.81)	0.11 (27)	5	9	13	18	29	32	26	17
	+375 (+1.91)	0.03 (7)	6	9	13	19	29	31	26	17
	0 (0)	0.00 (0)	6	10	14	19	29	31	26	17
	-375 (-1.91)	0.03 (7)	7	10	14	19	29	31	26	17
	-750 (-3.81)	0.11 (27)	8	10	14	19	29	31	26	17
	-1250 (-6.35)	0.30 (75)	8	10	14	19	29	32	26	17
	-1750 (-8.89)	0.59 (148)	8	11	15	20	29	32	26	17
84 (2100)	+1750 (+8.89)	0.54 (135)	7	11	17	24	36	40	31	21
	+1250 (+6.35)	0.28 (69)	7	11	18	24	36	40	31	20
	+750 (+3.81)	0.10 (25)	7	11	18	25	36	40	30	20
	+375 (+1.91)	0.02 (6)	8	12	19	25	36	39	30	20
	0 (0)	0.00 (0)	9	13	19	26	36	39	30	20
	-375 (-1.91)	0.02 (6)	10	13	19	26	36	39	30	19
	-750 (-3.81)	0.10 (25)	10	14	20	26	36	39	29	19
	-1250 (-6.35)	0.28 (69)	10	14	20	26	36	39	29	19
	-1750 (-8.89)	0.54 (135)	11	15	21	27	36	38	29	19
108 (2700)	+1750 (+8.89)	0.49 (122)	9	13	22	30	43	48	36	25
	+1250 (+6.35)	0.25 (62)	10	13	23	30	43	49	36	24
	+750 (+3.81)	0.09 (22)	10	14	24	31	43	48	35	24
	+375 (+1.91)	0.02 (6)	10	14	24	32	43	47	34	23
	0 (0)	0 (0)	11	16	25	32	44	48	34	22
	-375 (-1.91)	0.02 (6)	12	16	25	33	43	47	34	22
	-750 (-3.81)	0.09 (22)	12	17	26	33	43	46	33	20
	-1250 (-6.35)	0.25 (62)	12	18	26	34	43	46	32	20
	-1750 (-8.89)	0.49 (122)	13	19	27	34	43	45	32	21

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.03 (7)	0.11 (28)	0.32 (79)	0.62 (154)
60 (1500)	0.03 (7)	0.11 (27)	0.30 (75)	0.59 (148)
84 (2100)	0.02 (6)	0.10 (25)	0.28 (69)	0.54 (135)
108 (2700)	0.02 (6)	0.09 (22)	0.25 (62)	0.49 (122)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	68	60	55	53	51	49	54	48
	+1250 (+6.35)	55	51	45	45	44	40	43	35
	+750 (+3.81)	35	37	30	33	33	25	27	17
	+375 (+1.91)	10	18	10	17	18	10	10	10
	-375 (-1.91)	26	22	12	10	19	14	10	10
	-750 (-3.81)	43	37	30	15	33	31	28	19
	-1250 (-6.35)	56	48	44	34	43	43	44	36
	-1750 (-8.89)	64	56	52	46	50	51	55	48

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	12	23-24	46-48	6 - 120	36 - 120
Metric	300	575-600	1150-1200	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	1.51 (377)	6	8	11	17	30	37	27	18
	+1250 (+6.35)	0.77 (192)	7	9	11	18	30	34	27	19
	+750 (+3.81)	0.28 (69)	6	10	12	19	31	34	27	18
	+375 (+1.91)	0.07 (17)	8	11	13	20	32	33	27	18
	0 (0)	0.00 (0)	8	11	14	20	32	34	27	18
	-375 (-1.91)	0.07 (17)	8	11	15	20	33	33	25	17
	-750 (-3.81)	0.28 (69)	9	12	15	21	33	33	25	18
	-1250 (-6.35)	0.77 (192)	9	12	16	21	33	35	25	17
	-1750 (-8.89)	1.51 (377)	11	13	16	22	34	35	23	15
60 (1500)	+1750 (+8.89)	1.48 (367)	6	10	14	20	32	40	30	20
	+1250 (+6.35)	0.75 (187)	7	11	15	21	33	38	30	20
	+750 (+3.81)	0.27 (67)	8	11	16	22	34	38	30	20
	+375 (+1.91)	0.07 (17)	9	12	16	23	34	38	29	20
	0 (0)	0 (0)	9	13	17	23	35	38	29	20
	-375 (-1.91)	0.07 (17)	10	13	18	24	35	37	28	19
	-750 (-3.81)	0.27 (67)	11	13	19	24	35	37	28	19
	-1250 (-6.35)	0.75 (187)	11	14	19	25	35	38	27	18
	-1750 (-8.89)	1.48 (367)	13	15	20	25	36	38	25	16
84 (2100)	+1750 (+8.89)	1.40 (349)	8	12	20	26	37	45	34	24
	+1250 (+6.35)	0.71 (178)	9	13	21	28	39	46	36	24
	+750 (+3.81)	0.26 (64)	10	14	22	29	39	47	35	24
	+375 (+1.91)	0.06 (16)	11	14	23	29	39	46	35	23
	0 (0)	0.00 (0)	12	16	24	30	39	46	34	22
	-375 (-1.91)	0.06 (16)	13	17	25	30	40	46	33	21
	-750 (-3.81)	0.26 (64)	14	17	26	31	40	45	32	21
	-1250 (-6.35)	0.71 (178)	15	18	26	31	40	44	31	20
	-1750 (-8.89)	1.40 (349)	16	20	27	32	41	43	30	19
108 (2700)	+1750 (+8.89)	1.33 (330)	9	15	27	32	41	50	39	28
	+1250 (+6.35)	0.68 (168)	10	16	28	35	45	54	41	27
	+750 (+3.81)	0.24 (61)	12	16	29	36	45	55	41	27
	+375 (+1.91)	0.06 (15)	13	16	30	36	44	55	40	26
	0 (0)	0 (0)	14	20	31	36	43	54	39	25
	-375 (-1.91)	0.06 (15)	16	20	32	37	45	54	38	24
	-750 (-3.81)	0.24 (61)	17	21	33	37	45	53	37	24
	-1250 (-6.35)	0.68 (168)	19	23	34	38	45	50	35	22
	-1750 (-8.89)	1.33 (330)	20	24	35	38	45	49	34	21

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (17)	0.28 (69)	0.77 (192)	1.51 (377)
60 (1500)	0.07 (17)	0.27 (67)	0.75 (187)	1.48 (367)
84 (2100)	0.06 (16)	0.26 (64)	0.71 (178)	1.40 (349)
108 (2700)	0.06 (15)	0.24 (61)	0.68 (168)	1.33 (330)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	83	71	67	62	60	61	66	62
	+1250 (+6.35)	70	62	57	54	53	51	56	50
	+750 (+3.81)	51	48	42	42	42	37	40	32
	+375 (+1.91)	24	29	21	26	26	16	17	10
	-375 (-1.91)	36	31	23	10	27	24	19	10
	-750 (-3.81)	53	46	41	30	41	41	41	32
	-1250 (-6.35)	65	57	54	48	52	53	57	50
	-1750 (-8.89)	74	65	63	60	58	61	67	61

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	6 - 120	36 - 120
Metric	450-475	875-950	1750-1900	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.21 (51)	7	8	7	13	12	15	11	9
	+1250 (+6.35)	0.13 (33)	5	7	7	13	12	15	11	9
	+750 (+3.81)	0.04 (9)	5	7	7	13	13	15	11	9
	+375 (+1.91)	0.01 (2)	4	8	7	14	12	14	10	8
	0 (0)	0.00 (0)	6	8	7	12	12	15	12	10
	-375 (-1.91)	0.01 (2)	6	9	8	13	12	15	12	10
	-750 (-3.81)	0.04 (9)	5	8	8	13	12	15	12	10
	-1250 (-6.35)	0.13 (33)	6	8	8	13	12	14	12	10
	-1750 (-8.89)	0.21 (51)	6	9	8	13	13	14	12	10
60 (1500)	+1750 (+8.89)	0.21 (53)	6	8	8	15	14	18	14	10
	+1250 (+6.35)	0.14 (34)	5	7	8	15	15	19	14	10
	+750 (+3.81)	0.04 (10)	5	7	8	15	15	18	13	10
	+375 (+1.91)	0.01 (2)	4	8	8	15	15	18	13	10
	0 (0)	0.00 (0)	6	8	9	15	15	18	14	11
	-375 (-1.91)	0.01 (2)	6	8	9	15	15	18	14	11
	-750 (-3.81)	0.04 (10)	6	8	9	15	15	18	14	11
	-1250 (-6.35)	0.14 (34)	7	8	9	15	15	18	14	11
	-1750 (-8.89)	0.21 (53)	7	9	9	15	15	18	14	11
84 (2100)	+1750 (+8.89)	0.22 (56)	6	8	10	18	19	26	19	13
	+1250 (+6.35)	0.14 (35)	5	7	11	18	20	26	19	13
	+750 (+3.81)	0.04 (10)	6	8	11	19	20	26	19	13
	+375 (+1.91)	0.01 (3)	5	8	11	19	20	25	19	13
	0 (0)	0.00 (0)	6	8	11	19	19	25	19	13
	-375 (-1.91)	0.01 (3)	7	8	11	19	20	25	18	13
	-750 (-3.81)	0.04 (10)	7	8	12	20	20	25	18	13
	-1250 (-6.35)	0.14 (35)	7	9	12	20	20	25	18	12
	-1750 (-8.89)	0.22 (56)	8	9	12	20	20	25	18	12
108 (2700)	+1750 (+8.89)	0.24 (59)	5	8	12	21	24	34	25	15
	+1250 (+6.35)	0.15 (37)	6	8	13	22	24	33	25	16
	+750 (+3.81)	0.04 (11)	6	8	13	23	24	33	24	15
	+375 (+1.91)	0.01 (3)	7	9	13	23	24	33	24	16
	0 (0)	0.00 (0)	7	8	13	23	24	32	23	15
	-375 (-1.91)	0.01 (3)	7	7	14	24	25	32	23	14
	-750 (-3.81)	0.04 (11)	8	8	14	24	25	32	23	15
	-1250 (-6.35)	0.15 (37)	8	9	14	24	24	32	23	14
	-1750 (-8.89)	0.24 (59)	9	9	15	24	24	31	22	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.04 (9)	0.13 (33)	0.21 (51)
60 (1500)	0.01 (2)	0.04 (10)	0.14 (34)	0.21 (53)
84 (2100)	0.01 (3)	0.04 (10)	0.14 (35)	0.22 (56)
108 (2700)	0.01 (3)	0.04 (11)	0.15 (37)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	58	53	48	47	47	43	46	39
	+1250 (+6.35)	45	44	38	40	39	33	35	26
	+750 (+3.81)	26	30	22	28	28	18	19	12
	+375 (+1.91)	12	12	12	12	13	12	12	12
	-375 (-1.91)	21	17	12	12	14	12	12	12
	-750 (-3.81)	38	32	24	12	28	26	20	12
	-1250 (-6.35)	50	43	38	25	39	38	36	28
	-1750 (-8.89)	58	51	46	37	46	46	47	39

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	6 - 120	36 - 120
Metric	450-475	875-950	1750-1900	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.55 (136)	7	6	7	15	17	22	17	12
	+1250 (+6.35)	0.37 (91)	7	6	7	15	17	22	17	12
	+750 (+3.81)	0.10 (25)	8	6	8	15	17	22	16	11
	+375 (+1.91)	0.03 (6)	8	6	8	15	17	22	16	11
	0 (0)	0.00 (0)	8	7	8	15	17	22	16	11
	-375 (-1.91)	0.03 (6)	7	7	8	15	16	21	17	12
	-750 (-3.81)	0.10 (25)	9	8	9	15	16	21	17	12
	-1250 (-6.35)	0.37 (91)	9	8	9	16	16	21	17	12
	-1750 (-8.89)	0.55 (136)	10	9	9	16	16	21	18	12
60 (1500)	+1750 (+8.89)	0.53 (133)	8	7	9	17	20	25	19	13
	+1250 (+6.35)	0.36 (89)	8	7	9	17	20	25	19	13
	+750 (+3.81)	0.10 (24)	8	7	10	17	20	25	19	13
	+375 (+1.91)	0.02 (6)	9	7	10	17	20	25	19	13
	0 (0)	0.00 (0)	9	8	10	18	20	25	18	12
	-375 (-1.91)	0.02 (6)	9	8	10	18	20	24	18	13
	-750 (-3.81)	0.10 (24)	10	8	11	18	20	24	18	13
	-1250 (-6.35)	0.36 (89)	10	9	11	18	19	24	19	13
	-1750 (-8.89)	0.53 (133)	11	9	11	18	20	24	19	13
84 (2100)	+1750 (+8.89)	0.51 (127)	10	10	13	21	26	31	24	16
	+1250 (+6.35)	0.34 (85)	10	9	13	21	26	31	24	16
	+750 (+3.81)	0.09 (23)	10	9	13	22	26	31	24	16
	+375 (+1.91)	0.02 (6)	10	10	14	22	26	31	23	16
	0 (0)	0.00 (0)	11	10	14	22	26	30	23	16
	-375 (-1.91)	0.02 (6)	11	9	14	23	26	30	22	15
	-750 (-3.81)	0.09 (23)	12	10	14	23	26	30	22	15
	-1250 (-6.35)	0.34 (85)	12	11	15	23	26	29	21	14
	-1750 (-8.89)	0.51 (127)	13	11	15	23	26	29	21	14
108 (2700)	+1750 (+8.89)	0.49 (122)	12	12	16	25	33	37	29	19
	+1250 (+6.35)	0.33 (82)	11	12	17	26	33	37	29	19
	+750 (+3.81)	0.09 (22)	12	11	17	26	33	37	29	20
	+375 (+1.91)	0.02 (6)	12	13	18	26	32	36	28	19
	0 (0)	0.00 (0)	13	12	17	27	32	36	27	19
	-375 (-1.91)	0.02 (6)	14	10	18	28	33	37	26	17
	-750 (-3.81)	0.09 (22)	14	12	18	28	33	36	26	17
	-1250 (-6.35)	0.33 (82)	14	12	18	28	33	35	24	15
	-1750 (-8.89)	0.49 (122)	15	13	19	29	33	34	24	15

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.03 (6)	0.10 (25)	0.37 (91)	0.55 (136)
60 (1500)	0.02 (6)	0.10 (24)	0.36 (89)	0.53 (133)
84 (2100)	0.02 (6)	0.09 (23)	0.34 (85)	0.51 (127)
108 (2700)	0.02 (6)	0.09 (22)	0.33 (82)	0.49 (122)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	69	61	57	54	53	51	55	49
	+1250 (+6.35)	56	52	46	46	45	41	44	37
	+750 (+3.81)	37	38	31	34	34	26	28	18
	+375 (+1.91)	12	19	12	18	19	12	12	12
	-375 (-1.91)	28	23	14	12	20	16	12	12
	-750 (-3.81)	45	38	32	17	34	33	29	20
	-1250 (-6.35)	57	50	45	35	45	45	45	38
	-1750 (-8.89)	65	57	54	47	52	53	56	49

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model ERMT/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths			Duct Height	Silencer Length
Imperial	18-19	35-38	70-76	6 - 120	36 - 120
Metric	450-475	875-950	1750-1900	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	1.42 (353)	7	9	9	14	19	24	18	12
	+1250 (+6.35)	0.72 (180)	7	9	10	16	20	22	18	13
	+750 (+3.81)	0.26 (65)	7	10	10	16	21	23	18	12
	+375 (+1.91)	0.07 (16)	6	11	11	17	21	23	19	13
	0 (0)	0.00 (0)	6	12	11	17	21	23	19	13
	-375 (-1.91)	0.07 (16)	8	10	11	17	22	21	18	14
	-750 (-3.81)	0.26 (65)	8	11	12	18	23	22	18	14
	-1250 (-6.35)	0.72 (180)	10	13	13	19	23	21	17	14
	-1750 (-8.89)	1.42 (353)	10	13	13	19	23	21	17	14
60 (1500)	+1750 (+8.89)	1.39 (346)	8	10	11	17	23	28	20	14
	+1250 (+6.35)	0.71 (176)	8	10	12	18	24	26	21	14
	+750 (+3.81)	0.26 (64)	8	11	12	19	25	27	20	14
	+375 (+1.91)	0.06 (16)	8	12	13	19	25	26	21	14
	0 (0)	0.00 (0)	8	13	13	19	25	26	21	14
	-375 (-1.91)	0.06 (16)	9	11	13	20	26	25	20	15
	-750 (-3.81)	0.26 (64)	9	12	14	21	27	25	20	15
	-1250 (-6.35)	0.71 (176)	12	14	15	22	27	24	18	15
	-1750 (-8.89)	1.39 (346)	12	14	15	22	27	24	18	15
84 (2100)	+1750 (+8.89)	1.33 (332)	10	12	15	22	33	36	26	18
	+1250 (+6.35)	0.68 (169)	10	12	16	23	34	35	26	18
	+750 (+3.81)	0.24 (61)	11	12	16	24	34	34	25	18
	+375 (+1.91)	0.06 (15)	11	14	17	24	34	34	25	17
	0 (0)	0.00 (0)	11	13	17	25	34	33	24	17
	-375 (-1.91)	0.06 (15)	13	13	18	26	35	32	22	16
	-750 (-3.81)	0.24 (61)	13	14	19	27	36	32	22	16
	-1250 (-6.35)	0.68 (169)	14	15	19	27	36	31	22	16
	-1750 (-8.89)	1.33 (332)	14	15	19	27	36	31	22	16
108 (2700)	+1750 (+8.89)	1.28 (317)	13	14	19	28	43	43	31	22
	+1250 (+6.35)	0.65 (162)	12	13	20	27	43	43	31	21
	+750 (+3.81)	0.23 (58)	13	14	20	29	42	42	30	21
	+375 (+1.91)	0.06 (15)	14	15	21	30	42	41	29	21
	0 (0)	0.00 (0)	15	14	22	31	43	40	26	19
	-375 (-1.91)	0.06 (15)	16	15	23	32	44	40	25	17
	-750 (-3.81)	0.23 (58)	16	16	23	32	44	39	25	17
	-1250 (-6.35)	0.65 (162)	17	17	24	33	44	37	25	16
	-1750 (-8.89)	1.28 (317)	17	17	24	33	44	37	25	16

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (16)	0.26 (65)	0.72 (180)	1.42 (353)
60 (1500)	0.06 (16)	0.26 (64)	0.71 (176)	1.39 (346)
84 (2100)	0.06 (15)	0.24 (61)	0.68 (169)	1.33 (332)
108 (2700)	0.06 (15)	0.23 (58)	0.65 (162)	1.28 (317)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	85	72	69	64	62	63	68	64
	+1250 (+6.35)	72	63	59	56	54	53	57	52
	+750 (+3.81)	52	49	43	44	43	38	41	33
	+375 (+1.91)	26	30	22	28	28	18	19	12
	-375 (-1.91)	38	32	24	12	28	26	20	12
	-750 (-3.81)	54	47	42	31	43	42	42	34
	-1250 (-6.35)	67	59	56	49	53	54	58	51
	-1750 (-8.89)	75	66	64	61	60	63	69	63

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Product Information

Models

Rectangular Silencers

Elbow Film Lined Extended Casing
Medium Velocity **ERMTX**

Price Absorptive Film Lined Elbow Silencers are designed with baffles that extend past the standard casing, and target low frequency noise. Similar to the ERMT, the extended model attenuates undesirable noise in short runs of ductwork, with the added protection of a thin polymer film liner that encapsulates the acoustic media. This film liner protects the acoustic media from moisture and airborne contaminants that may be present in the duct system. A minimal system pressure drop is maintained by utilizing the same internal design of the standard absorptive silencers. These features, combined with Price's ability to build each silencer to match the ductwork design, offer excellent flexibility to suit any application.

Features

- A thin polymer film liner that encapsulates the acoustic media for added protection.
- Acoustic standoff that separate the film liner from the perforated metal to ensure the highest levels of insertion loss.
- Larger baffles that target difficult low frequency duct noise.
- Improved mid frequency performance provided by a 90 degree bend.
- The same engineered internal geometries that are used in the standard absorptive silencers to maximize insertion loss and minimize pressure drop.

ERMTX Silencers

Price ERMTX film lined absorptive extended casing silencers are designed for a large range of velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with duct velocities of 2500 fpm or less.

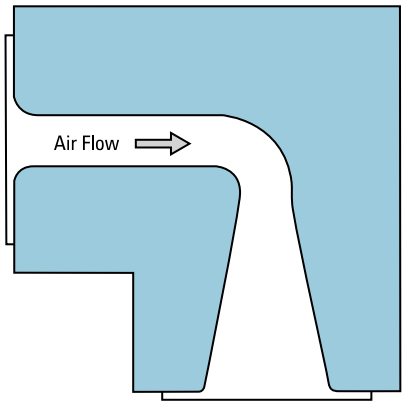
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity range:

Model	Description	Air Velocity Range (fpm)
ERMTX	Medium Velocity Silencer	0-2500*

* Price ERMTX silencers are designed for a large range of velocities.

ERMTX - Rectangular Medium Velocity



ERMTX60/6B

- Air Velocity: M - Medium Velocity
- Performance Length: Range from 36" - 144"
- Module Factor:
  1 - 12" - 13.99"
  2 - 14" - 16.99"
  3 - 17" - 18.99"
  4 - 19" - 20.99"
  5 - 21" - 22.99"
  6 - 23" - 24.99"
  7 - 25" - 26.99"
  8 - 27" - 28.99"
  9 - 29" - 30.99"
  U - 31" - 32.99"
  V - 33" - 34.99"
  W - 35" - 38.99"
  X - 39" - 42.99"
  Y - 43" - 46.99"
  Z - 47" - 50"
- P.A. Code: Range From A - F

© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Product Information

Construction

Price absorptive elbow film lined extended casing silencers consist of solid metal casing, minimum 26 gauge perforated metal liner, film liner, acoustic standoff, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Liner

A thin polymer film is wrapped around the fiberglass media to provide a protective barrier against elements that may be found in the air stream. To ensure that acoustic performance is maintained, an acoustic standoff is placed between the perforated metal and the film liner.

Components

Elbow silencers that exceed a width of 59 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensions

Price absorptive elbow film lined extended casing silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

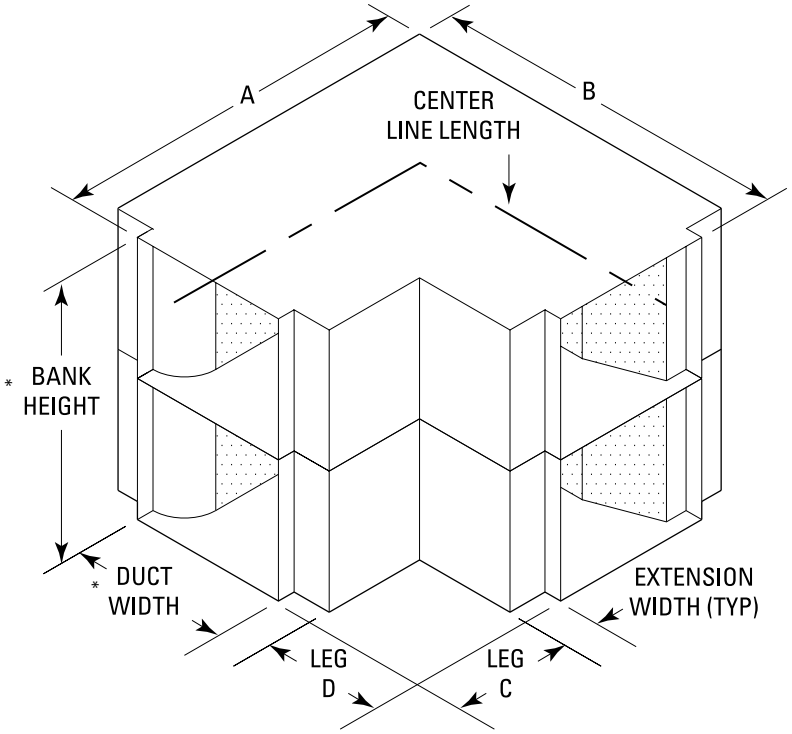
- Paint
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
HTL1**	16	28	29	31	33	36	39	42	42
HTL2**	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High Sound Transmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Duct width & bank height typically equal the duct dimensions.

Standard Dimension Limits

Duct Width		Bank Height		Bank Height		Center Line Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
12	84	24	96	6	120	36	144	24	59	6	48

Leg A		Leg B		Leg C		Leg D	
Min	Max	Min	Max	Min	Max	Min	Max
30	132	36	138	6	108	12	132

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- Bank width equals duct width plus extension width.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - ERMTX/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	12-13	36-39	6 - 120	36 - 120
Metric	300-325	900-975	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.05	(12)	4	6	12	14	25	32	23	17
	+1250	(+6.35)	0.03	(6)	4	6	12	14	25	32	23	17
	+750	(+3.81)	0.01	(2)	4	6	12	14	26	32	24	17
	+375	(+1.91)	0.01	(2)	4	6	13	14	26	32	24	17
	0	(0)	0	(0)	4	6	13	14	26	32	24	17
	-375	(-1.91)	0.01	(2)	4	6	13	14	26	32	24	17
	-750	(-3.81)	0.01	(2)	4	6	13	14	26	32	24	17
	-1250	(-6.35)	0.03	(6)	4	7	13	14	26	32	24	17
	-1750	(-8.89)	0.05	(12)	4	7	13	15	27	32	24	17
60 (1500)	+1750	(+8.89)	0.06	(15)	6	8	15	20	31	40	31	20
	+1250	(+6.35)	0.03	(8)	6	8	16	20	31	40	31	20
	+750	(+3.81)	0.01	(3)	6	8	16	20	32	40	31	20
	+375	(+1.91)	0.01	(2)	6	8	16	21	32	40	31	20
	0	(0)	0	(0)	6	8	16	21	32	40	31	20
	-375	(-1.91)	0.01	(2)	6	8	16	21	32	40	31	20
	-750	(-3.81)	0.01	(3)	6	8	17	21	32	40	31	20
	-1250	(-6.35)	0.03	(8)	7	8	17	21	33	40	31	20
	-1750	(-8.89)	0.06	(15)	7	8	17	21	33	40	31	20
84 (2100)	+1750	(+8.89)	0.07	(17)	8	9	19	26	37	49	38	23
	+1250	(+6.35)	0.04	(9)	8	9	19	27	38	49	38	23
	+750	(+3.81)	0.01	(3)	8	9	19	27	38	49	38	23
	+375	(+1.91)	0.01	(2)	9	10	20	27	38	49	38	23
	0	(0)	0	(0)	9	10	20	27	38	49	38	23
	-375	(-1.91)	0.01	(2)	9	10	20	27	38	49	38	23
	-750	(-3.81)	0.01	(3)	9	10	20	27	39	49	38	23
	-1250	(-6.35)	0.04	(9)	9	10	20	28	39	49	38	24
	-1750	(-8.89)	0.07	(17)	9	10	21	28	39	49	38	24
108 (2700)	+1750	(+8.89)	0.08	(20)	10	11	22	33	43	55	45	26
	+1250	(+6.35)	0.04	(10)	11	11	22	33	44	55	45	26
	+750	(+3.81)	0.01	(4)	11	11	23	33	44	55	45	26
	+375	(+1.91)	0.01	(2)	11	11	23	33	44	55	45	27
	0	(0)	0	(0)	11	11	23	33	44	55	45	27
	-375	(-1.91)	0.01	(2)	11	11	24	34	45	55	45	27
	-750	(-3.81)	0.01	(4)	11	12	24	34	45	55	45	27
	-1250	(-6.35)	0.04	(10)	11	12	24	34	45	55	45	27
	-1750	(-8.89)	0.08	(20)	12	12	24	34	46	55	45	27

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36	(900)	0.01 (2)	0.01 (2)	0.03 (6)	0.05 (12)
60	(1500)	0.01 (2)	0.01 (3)	0.03 (8)	0.06 (15)
84	(2100)	0.01 (2)	0.01 (3)	0.04 (9)	0.07 (17)
108	(2700)	0.01 (2)	0.01 (4)	0.04 (10)	0.08 (20)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	30	33	26	30	30	21	22	12
	+1250	(+6.35)	17	24	16	22	22	11	12	10
	+750	(+3.81)	10	10	10	10	11	10	10	10
	+375	(+1.91)	10	10	10	10	10	10	10	10
	-375	(-1.91)	10	10	10	10	10	10	10	10
	-750	(-3.81)	19	15	10	10	13	10	10	10
	-1250	(-6.35)	32	26	18	10	23	20	13	10
	-1750	(-8.89)	40	34	27	11	30	28	24	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	12-13	36-39	6 - 120	36 - 120
Metric	300-325	600-650	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	0.10	(26)	3	5	14	18	34	42	29	20
	+1250	(+6.35)	0.05	(13)	3	6	15	18	34	42	29	20
	+750	(+3.81)	0.02	(5)	3	6	15	19	35	42	29	20
	+375	(+1.91)	0.01	(2)	3	6	15	19	35	42	29	20
36 (900)	0	(0)	0	(0)	3	6	15	19	35	42	29	21
	-375	(-1.91)	0.01	(2)	3	6	16	19	36	42	29	21
	-750	(-3.81)	0.02	(5)	3	6	16	20	36	42	29	21
	-1250	(-6.35)	0.05	(13)	3	6	16	20	37	42	30	21
	-1750	(-8.89)	0.10	(26)	3	6	16	20	38	42	30	21
	+1750	(+8.89)	0.12	(31)	6	8	18	24	37	48	36	23
	+1250	(+6.35)	0.06	(16)	6	8	19	24	37	48	36	23
	+750	(+3.81)	0.02	(6)	6	8	19	24	38	48	37	23
	+375	(+1.91)	0.01	(1)	6	9	20	24	38	48	37	24
60 (1500)	0	(0)	0	(0)	6	9	20	25	38	48	37	24
	-375	(-1.91)	0.01	(1)	6	9	20	25	39	48	37	24
	-750	(-3.81)	0.02	(6)	6	9	20	25	39	48	37	24
	-1250	(-6.35)	0.06	(16)	6	9	21	25	39	48	37	24
	-1750	(-8.89)	0.12	(31)	6	9	21	25	40	48	37	24
	+1750	(+8.89)	0.14	(36)	8	11	23	29	40	53	43	26
	+1250	(+6.35)	0.07	(18)	8	11	23	29	40	53	44	26
	+750	(+3.81)	0.03	(7)	8	11	23	30	41	53	44	26
	+375	(+1.91)	0.01	(2)	9	11	24	30	41	53	44	27
84 (2100)	0	(0)	0	(0)	9	12	24	30	41	53	44	27
	-375	(-1.91)	0.01	(2)	9	12	25	30	42	53	44	27
	-750	(-3.81)	0.03	(7)	9	12	25	31	42	53	44	27
	-1250	(-6.35)	0.07	(18)	9	12	25	31	42	53	44	27
	-1750	(-8.89)	0.14	(36)	9	12	26	31	43	53	44	27
	+1750	(+8.89)	0.16	(41)	11	13	27	34	43	55	51	29
	+1250	(+6.35)	0.08	(21)	11	14	27	35	43	55	51	29
	+750	(+3.81)	0.03	(8)	11	14	28	35	44	55	51	29
	+375	(+1.91)	0.01	(2)	11	14	28	35	44	55	51	30
108 (2700)	0	(0)	0	(0)	12	14	29	36	44	55	51	30
	-375	(-1.91)	0.01	(2)	12	15	29	36	45	55	51	30
	-750	(-3.81)	0.03	(8)	12	15	29	36	45	55	51	30
	-1250	(-6.35)	0.08	(21)	12	15	30	37	46	55	51	30
	-1750	(-8.89)	0.16	(41)	12	15	31	37	46	55	52	31

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36	(900)	0.01 (2)	0.02 (5)	0.05 (13)	0.10 (26)
60	(1500)	0.01 (1)	0.02 (6)	0.06 (16)	0.12 (31)
84	(2100)	0.01 (2)	0.03 (7)	0.07 (18)	0.14 (36)
108	(2700)	0.01 (2)	0.03 (8)	0.08 (21)	0.16 (41)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	41	41	34	36	36	29	32	22
	+1250	(+6.35)	28	32	24	29	29	20	21	10
	+750	(+3.81)	10	18	10	17	18	10	10	10
All Lengths	+375	(+1.91)	10	10	10	10	10	10	10	10
	-375	(-1.91)	10	10	10	10	10	10	10	10
	-750	(-3.81)	26	22	12	10	19	14	10	10
	-1250	(-6.35)	39	33	26	10	29	27	22	12
	-1750	(-8.89)	47	40	34	21	36	35	33	24

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	12-13	36-39	6 - 120	36 - 120
Metric	300-325	900-975	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.30	(74)	4	10	17	25	37	49	32	21
	+1250	(+6.35)	0.15	(38)	4	10	18	25	37	49	32	21
	+750	(+3.81)	0.05	(14)	4	11	18	25	38	49	32	22
	+375	(+1.91)	0.01	(3)	4	11	19	26	38	49	32	22
	0	(0)	0	(0)	4	11	19	26	39	49	32	22
	-375	(-1.91)	0.01	(3)	4	11	19	26	39	49	32	22
	-750	(-3.81)	0.05	(14)	4	12	20	27	40	49	32	22
	-1250	(-6.35)	0.15	(38)	5	12	20	27	40	49	32	22
	-1750	(-8.89)	0.30	(74)	5	12	21	27	41	49	32	22
60 (1500)	+1750	(+8.89)	0.31	(77)	7	12	22	27	38	52	40	26
	+1250	(+6.35)	0.16	(39)	8	12	23	28	39	52	40	26
	+750	(+3.81)	0.06	(14)	8	13	23	28	39	52	40	26
	+375	(+1.91)	0.01	(4)	8	13	24	29	40	52	40	26
	0	(0)	0	(0)	8	13	24	29	40	52	40	27
	-375	(-1.91)	0.01	(4)	8	14	25	29	41	52	40	27
	-750	(-3.81)	0.06	(14)	9	14	26	30	41	52	40	27
	-1250	(-6.35)	0.16	(39)	9	14	26	30	42	52	40	27
	-1750	(-8.89)	0.31	(77)	9	15	27	30	42	52	40	27
84 (2100)	+1750	(+8.89)	0.32	(80)	11	14	27	30	40	55	47	31
	+1250	(+6.35)	0.16	(41)	11	14	28	31	40	55	48	31
	+750	(+3.81)	0.06	(15)	12	15	29	31	41	55	48	31
	+375	(+1.91)	0.01	(4)	12	15	29	32	41	55	48	31
	0	(0)	0	(0)	12	15	30	32	42	55	48	31
	-375	(-1.91)	0.01	(4)	12	16	30	32	42	55	48	31
	-750	(-3.81)	0.06	(15)	13	16	31	33	43	55	48	32
	-1250	(-6.35)	0.16	(41)	13	17	32	33	43	55	48	32
	-1750	(-8.89)	0.32	(80)	13	17	33	34	44	55	48	32
108 (2700)	+1750	(+8.89)	0.34	(84)	14	16	32	33	41	55	55	35
	+1250	(+6.35)	0.17	(43)	15	16	33	34	42	55	56	35
	+750	(+3.81)	0.06	(15)	15	17	34	34	42	55	56	36
	+375	(+1.91)	0.02	(4)	16	17	34	34	43	55	56	36
	0	(0)	0	(0)	16	17	35	35	43	55	56	36
	-375	(-1.91)	0.02	(4)	16	18	36	35	44	55	56	36
	-750	(-3.81)	0.06	(15)	17	18	37	36	44	55	56	37
	-1250	(-6.35)	0.17	(43)	17	19	38	36	45	55	56	37
	-1750	(-8.89)	0.34	(84)	18	19	39	37	46	55	56	37

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36	(900)	0.01 (3)	0.05 (14)	0.15 (38)	0.30 (74)
60	(1500)	0.01 (4)	0.06 (14)	0.16 (39)	0.31 (77)
84	(2100)	0.01 (4)	0.06 (15)	0.16 (41)	0.32 (80)
108	(2700)	0.02 (4)	0.06 (15)	0.17 (43)	0.34 (84)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	57	52	46	46	45	41	44	37
	+1250	(+6.35)	44	43	36	38	38	31	34	25
	+750	(+3.81)	24	29	21	26	26	16	17	10
	+375	(+1.91)	10	10	10	10	11	10	10	10
	-375	(-1.91)	19	15	10	10	13	10	10	10
	-750	(-3.81)	36	31	23	10	27	24	19	10
	-1250	(-6.35)	49	42	36	23	37	36	35	26
	-1750	(-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 120	36 - 120
Metric	275-300	850-900	2000-2100	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	0.05	(12)	6	7	8	12	19	22	18	12
	+1250	(+6.35)	0.02	(6)	6	7	8	12	19	22	18	12
	+750	(+3.81)	0.01	(2)	6	7	8	12	19	22	18	12
	+375	(+1.91)	0.00	(1)	6	7	8	12	19	22	18	12
36 (900)	0	(0)	0.00	(0)	6	7	8	12	20	22	18	12
	-375	(-1.91)	0.00	(1)	6	7	8	12	20	22	18	12
	-750	(-3.81)	0.01	(2)	6	8	8	12	20	22	18	12
	-1250	(-6.35)	0.02	(6)	6	8	8	12	20	22	18	12
	-1750	(-8.89)	0.05	(12)	6	8	9	13	20	22	18	12
	+1750	(+8.89)	0.05	(12)	6	7	10	15	22	27	21	13
	+1250	(+6.35)	0.03	(6)	6	8	10	16	22	27	21	14
	+750	(+3.81)	0.01	(2)	7	8	10	16	23	27	21	14
	+375	(+1.91)	0.00	(1)	7	8	10	16	23	27	21	14
60 (1500)	0	(0)	0.00	(0)	7	8	10	16	23	27	21	14
	-375	(-1.91)	0.00	(1)	7	8	11	16	23	27	21	14
	-750	(-3.81)	0.01	(2)	7	8	11	16	23	27	21	14
	-1250	(-6.35)	0.03	(6)	7	8	11	16	23	27	21	14
	-1750	(-8.89)	0.05	(12)	7	8	11	16	23	27	21	14
	+1750	(+8.89)	0.05	(14)	8	8	14	22	29	35	26	17
	+1250	(+6.35)	0.03	(7)	8	8	14	23	29	35	27	17
	+750	(+3.81)	0.01	(2)	8	8	15	23	29	35	27	17
	+375	(+1.91)	0.00	(1)	8	9	15	23	29	35	27	17
84 (2100)	0	(0)	0.00	(0)	8	9	15	23	29	35	27	17
	-375	(-1.91)	0.00	(1)	8	9	15	23	30	35	27	17
	-750	(-3.81)	0.01	(2)	8	9	15	23	30	35	27	17
	-1250	(-6.35)	0.03	(7)	8	9	15	23	30	35	27	17
	-1750	(-8.89)	0.05	(14)	8	9	16	24	30	35	27	17
	+1750	(+8.89)	0.06	(15)	9	9	18	29	35	43	32	21
	+1250	(+6.35)	0.03	(7)	9	9	19	30	35	43	32	21
	+750	(+3.81)	0.01	(3)	9	9	19	30	36	43	32	21
	+375	(+1.91)	0.00	(1)	9	9	19	30	36	43	32	21
108 (2700)	0	(0)	0.00	(0)	9	9	19	30	36	43	32	21
	-375	(-1.91)	0.00	(1)	10	10	20	30	36	43	32	21
	-750	(-3.81)	0.01	(3)	10	10	20	30	37	43	32	21
	-1250	(-6.35)	0.03	(7)	10	10	20	31	37	43	33	21
	-1750	(-8.89)	0.06	(15)	10	10	20	31	37	43	33	21

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.00 (1)	0.01 (2)	0.02 (6)	0.05 (12)
60 (1500)	0.00 (1)	0.01 (2)	0.03 (6)	0.05 (12)
84 (2100)	0.00 (1)	0.01 (2)	0.03 (7)	0.05 (14)
108 (2700)	0.00 (1)	0.01 (3)	0.03 (7)	0.06 (15)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	30	33	26	30	30	21	22	12
	+1250	(+6.35)	17	24	16	22	22	11	12	10
	+750	(+3.81)	10	10	10	10	11	10	10	10
	+375	(+1.91)	10	10	10	10	10	10	10	10
All Lengths	-375	(-1.91)	10	10	10	10	10	10	10	10
	-750	(-3.81)	19	15	10	10	13	10	10	10
	-1250	(-6.35)	32	26	18	10	23	20	13	10
	-1750	(-8.89)	40	34	27	11	30	28	24	14

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 120	36 - 120
Metric	275-300	850-900	2000-2100	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.15	(38)	4	8	10	15	24	27	24	15
	+1250	(+6.35)	0.08	(20)	5	8	10	15	25	27	24	15
	+750	(+3.81)	0.03	(7)	5	8	10	15	25	27	24	15
	+375	(+1.91)	0.01	(2)	5	8	11	15	25	27	24	15
	0	(0)	0.00	(0)	5	8	11	16	25	27	24	15
	-375	(-1.91)	0.01	(2)	5	8	11	16	26	27	24	15
	-750	(-3.81)	0.03	(7)	5	8	11	16	26	27	24	15
	-1250	(-6.35)	0.08	(20)	5	9	11	16	26	27	24	16
	-1750	(-8.89)	0.15	(38)	5	9	11	17	27	27	24	16
60 (1500)	+1750	(+8.89)	0.15	(37)	6	9	13	18	28	31	26	17
	+1250	(+6.35)	0.08	(19)	6	9	13	18	28	31	26	17
	+750	(+3.81)	0.03	(7)	6	9	13	19	28	31	26	17
	+375	(+1.91)	0.01	(2)	6	9	13	19	29	31	26	17
	0	(0)	0.00	(0)	6	10	14	19	29	31	26	17
	-375	(-1.91)	0.01	(2)	6	10	14	19	29	31	26	17
	-750	(-3.81)	0.03	(7)	6	10	14	19	29	31	26	17
	-1250	(-6.35)	0.08	(19)	6	10	14	19	30	31	26	17
	-1750	(-8.89)	0.15	(37)	6	10	14	20	30	31	26	17
84 (2100)	+1750	(+8.89)	0.14	(34)	8	12	18	25	35	39	30	19
	+1250	(+6.35)	0.07	(17)	8	12	18	25	35	39	30	19
	+750	(+3.81)	0.02	(6)	8	12	19	25	36	39	30	20
	+375	(+1.91)	0.01	(2)	8	12	19	25	36	39	30	20
	0	(0)	0.00	(0)	9	13	19	26	36	39	30	20
	-375	(-1.91)	0.01	(2)	9	13	19	26	36	39	30	20
	-750	(-3.81)	0.02	(6)	9	13	20	26	37	39	30	20
	-1250	(-6.35)	0.07	(17)	9	13	20	26	37	39	30	20
	-1750	(-8.89)	0.14	(34)	9	13	20	27	37	39	30	20
108 (2700)	+1750	(+8.89)	0.12	(30)	10	15	23	31	42	48	34	22
	+1250	(+6.35)	0.06	(16)	11	15	24	32	42	48	34	22
	+750	(+3.81)	0.02	(6)	11	15	24	32	43	48	34	22
	+375	(+1.91)	0.01	(1)	11	15	24	32	43	48	34	22
	0	(0)	0.00	(0)	11	16	25	32	44	48	34	22
	-375	(-1.91)	0.01	(1)	11	16	25	33	44	48	34	23
	-750	(-3.81)	0.02	(6)	11	16	25	33	44	48	34	23
	-1250	(-6.35)	0.06	(16)	12	16	26	33	45	48	34	23
	-1750	(-8.89)	0.12	(30)	12	17	26	34	45	48	34	23

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.03 (7)	0.08 (20)	0.15 (38)
60 (1500)	0.01 (2)	0.03 (7)	0.08 (19)	0.15 (37)
84 (2100)	0.01 (2)	0.02 (6)	0.07 (17)	0.14 (34)
108 (2700)	0.01 (1)	0.02 (6)	0.06 (16)	0.12 (30)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	41	41	34	36	36	29	32	22
	+1250	(+6.35)	28	32	24	29	29	20	21	10
	+750	(+3.81)	10	18	10	17	18	10	10	10
	+375	(+1.91)	10	10	10	10	10	10	10	10
	-375	(-1.91)	10	10	10	10	10	10	10	10
	-750	(-3.81)	26	22	12	10	19	14	10	10
	-1250	(-6.35)	39	33	26	10	29	27	22	12
	-1750	(-8.89)	47	40	34	21	36	35	33	24

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width			Duct Height	Silencer Length
Imperial	11-12	34-36	80-84	6 - 120	36 - 120
Metric	275-300	850-900	2000-2100	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	0.38	(94)	7	10	13	19	31	34	26	18
	+1250	(+6.35)	0.19	(48)	7	10	13	19	31	34	26	18
	+750	(+3.81)	0.07	(17)	8	10	13	19	32	34	26	18
	+375	(+1.91)	0.02	(4)	8	11	14	19	32	34	27	18
36 (900)	0	(0)	0.00	(0)	8	11	14	20	32	34	27	18
	-375	(-1.91)	0.02	(4)	8	11	14	20	33	34	27	18
	-750	(-3.81)	0.07	(17)	8	11	15	20	33	34	27	18
	-1250	(-6.35)	0.19	(48)	9	12	15	20	34	34	27	18
	-1750	(-8.89)	0.38	(94)	9	12	15	21	34	34	27	18
	+1750	(+8.89)	0.37	(92)	8	11	16	22	33	38	29	19
	+1250	(+6.35)	0.19	(47)	9	12	16	22	33	38	29	19
	+750	(+3.81)	0.07	(17)	9	12	17	22	34	38	29	19
	+375	(+1.91)	0.02	(4)	9	12	17	23	34	38	29	19
60 (1500)	0	(0)	0.00	(0)	9	13	17	23	35	38	29	20
	-375	(-1.91)	0.02	(4)	9	13	18	23	35	38	29	20
	-750	(-3.81)	0.07	(17)	10	13	18	23	35	38	29	20
	-1250	(-6.35)	0.19	(47)	10	14	19	24	36	38	29	20
	-1750	(-8.89)	0.37	(92)	10	14	19	24	36	38	29	20
	+1750	(+8.89)	0.35	(87)	11	15	22	28	37	46	34	22
	+1250	(+6.35)	0.18	(44)	11	15	22	28	38	46	34	22
	+750	(+3.81)	0.06	(16)	11	16	23	29	38	46	34	22
	+375	(+1.91)	0.02	(4)	12	16	24	29	39	46	34	22
84 (2100)	0	(0)	0.00	(0)	12	16	24	30	39	46	34	22
	-375	(-1.91)	0.02	(4)	12	17	25	30	40	46	34	22
	-750	(-3.81)	0.06	(16)	12	17	25	30	40	46	34	22
	-1250	(-6.35)	0.18	(44)	13	17	26	31	41	46	34	23
	-1750	(-8.89)	0.35	(87)	13	18	27	31	41	46	35	23
	+1750	(+8.89)	0.33	(82)	13	18	28	34	41	54	39	24
	+1250	(+6.35)	0.17	(42)	13	18	29	35	42	54	39	24
	+750	(+3.81)	0.06	(15)	14	19	30	35	43	54	39	25
	+375	(+1.91)	0.02	(4)	14	19	30	36	43	54	39	25
108 (2700)	0	(0)	0.00	(0)	14	20	31	36	43	54	39	25
	-375	(-1.91)	0.02	(4)	15	20	32	37	44	54	39	25
	-750	(-3.81)	0.06	(15)	15	21	32	37	44	54	40	25
	-1250	(-6.35)	0.17	(42)	16	21	33	38	45	54	40	25
	-1750	(-8.89)	0.33	(82)	16	22	34	38	46	54	40	26

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.07 (17)	0.19 (48)	0.38 (94)
60 (1500)	0.02 (4)	0.07 (17)	0.19 (47)	0.37 (92)
84 (2100)	0.02 (4)	0.06 (16)	0.18 (44)	0.35 (87)
108 (2700)	0.02 (4)	0.06 (15)	0.17 (42)	0.33 (82)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750	(+8.89)	57	52	46	46	45	41	44	37
	+1250	(+6.35)	44	43	36	38	38	31	34	25
	+750	(+3.81)	24	29	21	26	26	16	17	10
All Lengths	+375	(+1.91)	10	10	10	10	11	10	10	10
	-375	(-1.91)	19	15	10	10	13	10	10	10
	-750	(-3.81)	36	31	23	10	27	24	19	10
	-1250	(-6.35)	49	42	36	23	37	36	35	26
	-1750	(-8.89)	57	49	45	35	44	44	45	38

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/WB

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 120	36 - 120
Metric	575-650	1450-1600	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.09	(23)	5	8	7	12	12	15	12	10
	+1250	(+6.35)	0.06	(15)	5	8	7	12	12	15	12	10
	+750	(+3.81)	0.02	(4)	5	8	7	12	12	15	12	10
	+375	(+1.91)	0.00	(1)	5	8	7	12	12	15	12	10
	0	(0)	0.00	(0)	6	8	7	12	12	15	12	10
	-375	(-1.91)	0.00	(1)	6	8	8	13	12	15	12	10
	-750	(-3.81)	0.02	(4)	6	8	8	13	12	15	12	10
	-1250	(-6.35)	0.06	(15)	6	9	8	13	12	15	12	10
	-1750	(-8.89)	0.09	(23)	6	9	8	13	12	15	12	10
60 (1500)	+1750	(+8.89)	0.09	(23)	5	8	8	14	14	18	14	11
	+1250	(+6.35)	0.06	(15)	5	8	8	14	14	18	14	11
	+750	(+3.81)	0.02	(4)	6	8	8	14	14	18	14	11
	+375	(+1.91)	0.00	(1)	6	8	8	15	14	18	14	11
	0	(0)	0.00	(0)	6	8	9	15	15	18	14	11
	-375	(-1.91)	0.00	(1)	6	8	9	15	15	18	14	11
	-750	(-3.81)	0.02	(4)	6	8	9	15	15	18	14	11
	-1250	(-6.35)	0.06	(15)	6	9	9	15	15	18	14	11
	-1750	(-8.89)	0.09	(23)	6	9	9	15	15	18	14	11
84 (2100)	+1750	(+8.89)	0.10	(25)	6	8	10	18	19	25	18	13
	+1250	(+6.35)	0.06	(16)	6	8	10	19	19	25	18	13
	+750	(+3.81)	0.02	(5)	6	8	11	19	19	25	19	13
	+375	(+1.91)	0.00	(1)	6	8	11	19	19	25	19	13
	0	(0)	0.00	(0)	6	8	11	19	19	25	19	13
	-375	(-1.91)	0.00	(1)	6	8	11	19	20	25	19	13
	-750	(-3.81)	0.02	(5)	6	8	11	19	20	25	19	13
	-1250	(-6.35)	0.06	(16)	6	9	11	19	20	25	19	13
	-1750	(-8.89)	0.10	(25)	7	9	12	20	20	25	19	13
108 (2700)	+1750	(+8.89)	0.10	(26)	6	8	12	23	24	32	23	15
	+1250	(+6.35)	0.07	(17)	6	8	13	23	24	32	23	15
	+750	(+3.81)	0.02	(5)	6	8	13	23	24	32	23	15
	+375	(+1.91)	0.00	(1)	6	8	13	23	24	32	23	15
	0	(0)	0.00	(0)	7	8	13	23	24	32	23	15
	-375	(-1.91)	0.00	(1)	7	8	13	24	25	32	23	15
	-750	(-3.81)	0.02	(5)	7	8	14	24	25	32	23	15
	-1250	(-6.35)	0.07	(17)	7	9	14	24	25	32	23	15
	-1750	(-8.89)	0.10	(26)	7	9	14	24	25	32	23	16

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36	(900)	0.00 (1)	0.02 (4)	0.06 (15)	0.09 (23)
60	(1500)	0.00 (1)	0.02 (4)	0.06 (15)	0.09 (23)
84	(2100)	0.00 (1)	0.02 (5)	0.06 (16)	0.10 (25)
108	(2700)	0.00 (1)	0.02 (5)	0.07 (17)	0.10 (26)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	43	42	36	38	38	31	33	24
	+1250	(+6.35)	30	33	26	30	30	21	22	12
	+750	(+3.81)	12	19	12	18	19	12	12	12
	+375	(+1.91)	12	12	12	12	12	12	12	12
	-375	(-1.91)	12	12	12	12	12	12	12	12
	-750	(-3.81)	28	23	14	12	20	16	12	12
	-1250	(-6.35)	40	34	27	12	31	28	24	14
	-1750	(-8.89)	48	42	36	22	37	36	34	25

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

price®

Performance Data - Model ERMTX/WD

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 120	36 - 120
Metric	575-650	1450-1600	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.24	(60)	7	7	7	15	16	22	16	11
	+1250	(+6.35)	0.16	(40)	7	7	8	15	17	22	16	11
	+750	(+3.81)	0.04	(11)	8	7	8	15	17	22	16	11
	+375	(+1.91)	0.01	(3)	8	7	8	15	17	22	16	11
	0	(0)	0.00	(0)	8	7	8	15	17	22	16	11
	-375	(-1.91)	0.01	(3)	8	7	8	16	17	22	16	11
	-750	(-3.81)	0.04	(11)	8	7	9	16	18	22	16	11
	-1250	(-6.35)	0.16	(40)	9	8	9	16	18	22	16	11
	-1750	(-8.89)	0.24	(60)	9	8	9	17	19	22	16	11
60 (1500)	+1750	(+8.89)	0.24	(59)	8	7	9	17	19	25	18	12
	+1250	(+6.35)	0.16	(40)	8	8	9	17	20	25	18	12
	+750	(+3.81)	0.04	(11)	9	8	10	17	20	25	18	12
	+375	(+1.91)	0.01	(3)	9	8	10	17	20	25	18	12
	0	(0)	0.00	(0)	9	8	10	18	20	25	18	12
	-375	(-1.91)	0.01	(3)	9	8	10	18	20	25	18	12
	-750	(-3.81)	0.04	(11)	9	8	10	18	21	25	18	12
	-1250	(-6.35)	0.16	(40)	10	9	11	18	21	25	18	13
	-1750	(-8.89)	0.24	(59)	10	9	11	18	21	25	18	13
84 (2100)	+1750	(+8.89)	0.23	(57)	10	9	13	21	25	30	23	15
	+1250	(+6.35)	0.15	(38)	10	10	13	22	26	30	23	15
	+750	(+3.81)	0.04	(10)	10	10	13	22	26	30	23	15
	+375	(+1.91)	0.01	(3)	11	10	14	22	26	30	23	15
	0	(0)	0.00	(0)	11	10	14	22	26	30	23	16
	-375	(-1.91)	0.01	(3)	11	10	14	22	27	30	23	16
	-750	(-3.81)	0.04	(10)	11	11	14	23	27	30	23	16
	-1250	(-6.35)	0.15	(38)	12	11	15	23	27	30	23	16
	-1750	(-8.89)	0.23	(57)	12	11	15	23	28	30	23	16
108 (2700)	+1750	(+8.89)	0.22	(54)	12	11	16	26	31	36	27	18
	+1250	(+6.35)	0.15	(36)	12	11	16	26	31	36	27	18
	+750	(+3.81)	0.04	(10)	12	12	17	26	32	36	27	19
	+375	(+1.91)	0.01	(2)	12	12	17	27	32	36	27	19
	0	(0)	0.00	(0)	13	12	17	27	32	36	27	19
	-375	(-1.91)	0.01	(2)	13	12	18	27	33	36	27	19
	-750	(-3.81)	0.04	(10)	13	13	18	27	33	36	27	19
	-1250	(-6.35)	0.15	(36)	14	13	19	28	33	36	27	19
	-1750	(-8.89)	0.22	(54)	14	13	19	28	34	36	27	19

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.04 (11)	0.16 (40)	0.24 (60)
60 (1500)	0.01 (3)	0.04 (11)	0.16 (40)	0.24 (59)
84 (2100)	0.01 (3)	0.04 (10)	0.15 (38)	0.23 (57)
108 (2700)	0.01 (2)	0.04 (10)	0.15 (36)	0.22 (54)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	54	50	44	45	44	39	42	34
	+1250	(+6.35)	41	41	34	37	37	29	31	22
	+750	(+3.81)	21	27	19	25	25	15	15	12
	+375	(+1.91)	12	12	12	12	12	12	12	12
	-375	(-1.91)	18	14	12	12	12	12	12	12
	-750	(-3.81)	35	29	21	12	26	23	17	12
	-1250	(-6.35)	47	41	35	21	36	35	33	24
	-1750	(-8.89)	55	48	43	33	43	43	43	35

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

Performance Data - Model ERMTX/WF

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	23-26	58-64	6 - 120	36 - 120
Metric	575-650	1450-1600	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)		Pressure Drop in. w.g. (Pa)		Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750	(+8.89)	0.63	(157)	6	11	10	15	19	23	19	13
	+1250	(+6.35)	0.32	(80)	6	11	10	16	20	23	19	13
	+750	(+3.81)	0.12	(29)	6	12	10	16	20	23	19	13
	+375	(+1.91)	0.03	(7)	6	12	11	16	20	23	19	13
	0	(0)	0.00	(0)	6	12	11	17	21	23	19	13
	-375	(-1.91)	0.03	(7)	7	13	11	17	21	23	19	13
	-750	(-3.81)	0.12	(29)	7	13	12	17	21	23	19	13
	-1250	(-6.35)	0.32	(80)	7	14	12	17	22	23	19	13
	-1750	(-8.89)	0.63	(157)	7	14	13	18	22	23	19	13
60 (1500)	+1750	(+8.89)	0.62	(154)	7	11	11	18	23	26	20	14
	+1250	(+6.35)	0.32	(78)	7	11	12	18	24	26	21	14
	+750	(+3.81)	0.11	(28)	8	12	12	19	24	26	21	14
	+375	(+1.91)	0.03	(7)	8	12	13	19	25	26	21	14
	0	(0)	0.00	(0)	8	13	13	19	25	26	21	14
	-375	(-1.91)	0.03	(7)	8	13	14	20	25	26	21	14
	-750	(-3.81)	0.11	(28)	9	13	14	20	26	26	21	14
	-1250	(-6.35)	0.32	(78)	9	14	15	20	26	26	21	14
	-1750	(-8.89)	0.62	(154)	9	14	15	21	27	26	21	15
84 (2100)	+1750	(+8.89)	0.59	(147)	10	11	15	23	32	33	23	16
	+1250	(+6.35)	0.30	(75)	10	12	16	24	32	33	23	16
	+750	(+3.81)	0.11	(27)	11	12	16	24	33	33	23	16
	+375	(+1.91)	0.03	(7)	11	13	17	25	34	33	23	16
	0	(0)	0.00	(0)	11	13	17	25	34	33	24	17
	-375	(-1.91)	0.03	(7)	12	14	18	25	35	33	24	17
	-750	(-3.81)	0.11	(27)	12	14	19	26	35	33	24	17
	-1250	(-6.35)	0.30	(75)	13	14	19	26	36	33	24	17
	-1750	(-8.89)	0.59	(147)	13	15	20	27	36	33	24	17
108 (2700)	+1750	(+8.89)	0.57	(141)	13	12	19	29	40	40	26	18
	+1250	(+6.35)	0.29	(72)	13	12	20	29	41	40	26	19
	+750	(+3.81)	0.10	(26)	14	13	21	30	42	40	26	19
	+375	(+1.91)	0.03	(6)	14	13	21	30	42	40	26	19
	0	(0)	0.00	(0)	15	14	22	31	43	40	26	19
	-375	(-1.91)	0.03	(6)	15	14	22	31	44	40	26	19
	-750	(-3.81)	0.10	(26)	16	14	23	32	44	40	26	19
	-1250	(-6.35)	0.29	(72)	16	15	24	32	45	40	27	19
	-1750	(-8.89)	0.57	(141)	17	16	25	33	46	40	27	19

Pressure Drop

Length Inches (mm)		Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36	(900)	0.03 (7)	0.12 (29)	0.32 (80)	0.63 (157)
60	(1500)	0.03 (7)	0.11 (28)	0.32 (78)	0.62 (154)
84	(2100)	0.03 (7)	0.11 (27)	0.30 (75)	0.59 (147)
108	(2700)	0.03 (6)	0.10 (26)	0.29 (72)	0.57 (141)

Generated Noise

Length	Face Velocity fpm (m/s)		Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750	(+8.89)	69	61	57	54	53	51	55	49
	+1250	(+6.35)	56	52	46	46	45	41	44	37
	+750	(+3.81)	37	38	31	34	34	26	28	18
	+375	(+1.91)	12	19	12	18	19	12	12	12
	-375	(-1.91)	28	23	14	12	20	16	12	12
	-750	(-3.81)	45	38	32	17	34	33	29	20
	-1250	(-6.35)	57	50	45	35	45	45	45	38
	-1750	(-8.89)	65	57	54	47	52	53	56	49

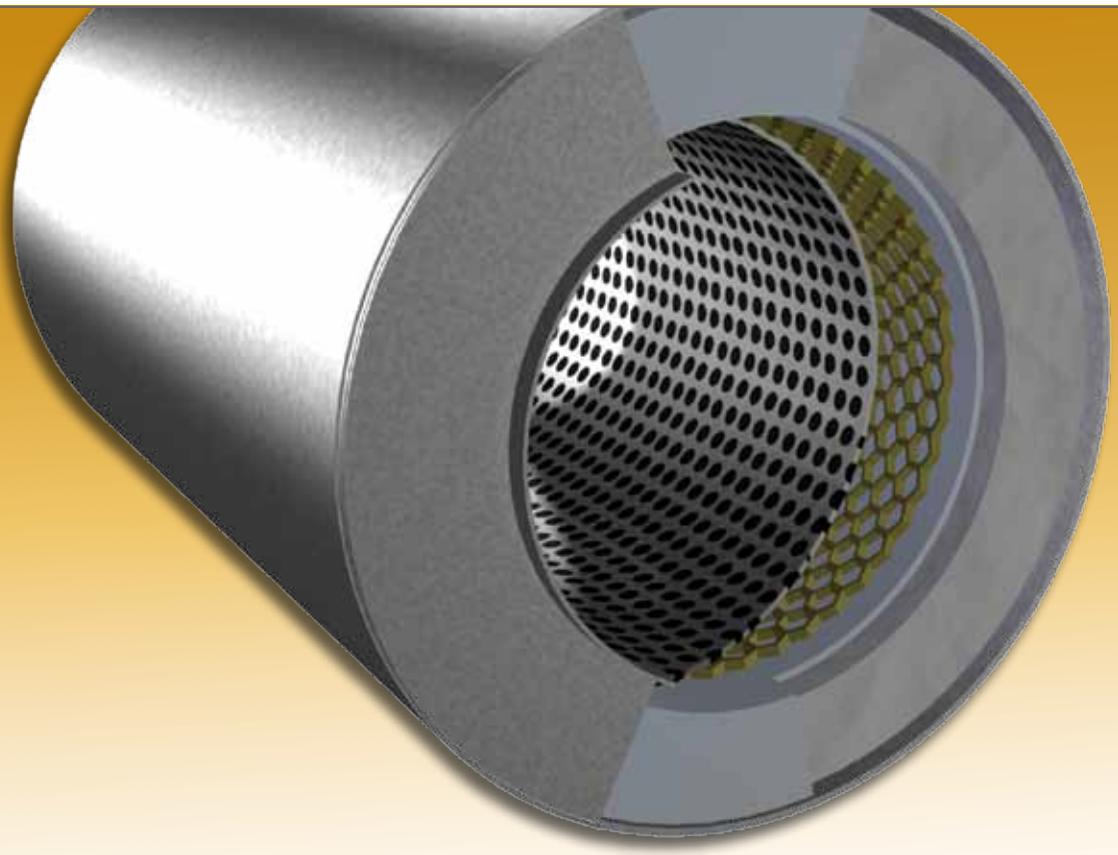
Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 6 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 36 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.



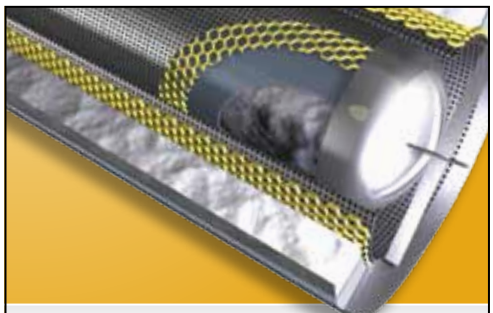
Circular

FILM LINED SILENCERS

A practical solution for controlling duct noise in circular ductwork systems, with the added protection of a thin film liner that encapsulates the acoustic media. To increase the film liner's acoustic performance, acoustic standoff is placed between the film liner and perforated metal.

Protective film barrier between air stream and acoustic media for circular ducts.

Extended casing film lined option



Medium and high velocity designs

Commonly used in hospital applications

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Absorptive Circular Film Lined Silencers
CMT, CHT Series

Product Information

Models

Circular Film Lined Silencers
Circular Medium Velocity Film Lined **CMT**
Circular High Velocity Film Lined **CHT**

Price Absorptive Circular Film Lined Silencers are designed to provide a practical solution for controlling undesirable noise in circular ductwork systems. A thin polymer film liner encapsulates the acoustic media to protect it from moisture and airborne contaminants that may be present in the duct systems. A minimal system pressure drop is maintained by utilizing the same internal geometry of the standard absorptive silencers. This sleek internal design ensures maximum acoustical performance while minimizing system pressure drops at duct velocities as high as 8000 fpm. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Thin polymer film liner that encapsulates the acoustic media for added protection.
- Acoustic standoff that separates the film liner from the perforated metal to ensure the highest levels of insertion loss.
- Eliminates costly square to round transitions.
- Smooth aerodynamic internal geometries that minimize pressure drop and turbulence.
- 2″ slip connection on both ends.

CMT Silencers

Price CMT silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies. The sleek curved inlet and outlet of the center pod reduce turbulence and allow for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 4000 fpm or less.

CHT Silencers

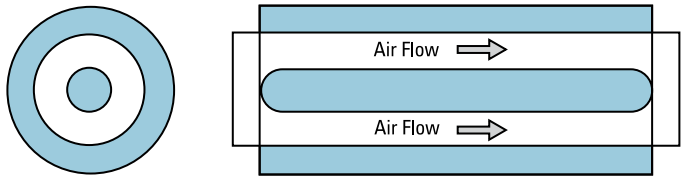
Price CHT silencers are designed for high velocity applications and have no center pods that enter the air stream to constrict the air flow. The design minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the full range of frequencies. The Price CHT Silencer model is best suited for applications where low pressure drops are the priority or high air velocities cannot be avoided.

Recommended Air Velocity Ranges

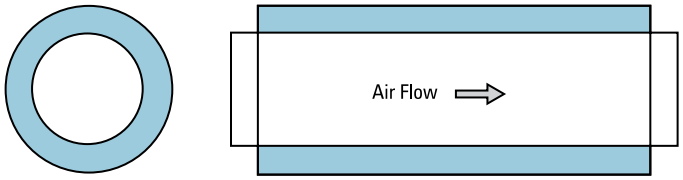
Price recommends that silencers are selected within the following duct velocity ranges:

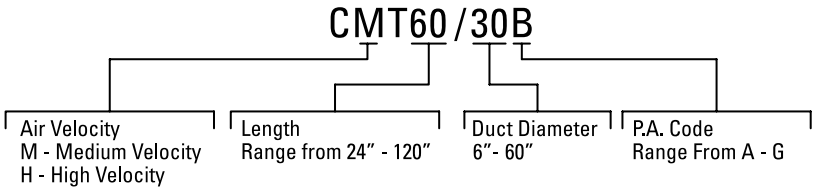
Model	Description	Air Velocity Range (fpm)
CM	Medium Velocity Silencer	0-4000
CH	High Velocity Silencer	0-8000

CMT - Circular Medium Velocity



CHT - Circular High Velocity





NOISE CONTROL

© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Absorptive Circular Film Lined Silencers
CMT, CHT Series

Product Information

Construction

Price absorptive circular film lined silencers consist of a solid metal casing, minimum 26 gauge perforated metal liner, film liner, acoustic standoff, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

CL3 – 16 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Liner

A thin polymer film is wrapped around the fiberglass media to provide a barrier against elements that may be found in the air stream.To ensure that acoustic performance is maintained, an acoustic standoff is placed between the perforated metal and the film liner.

Dimensions

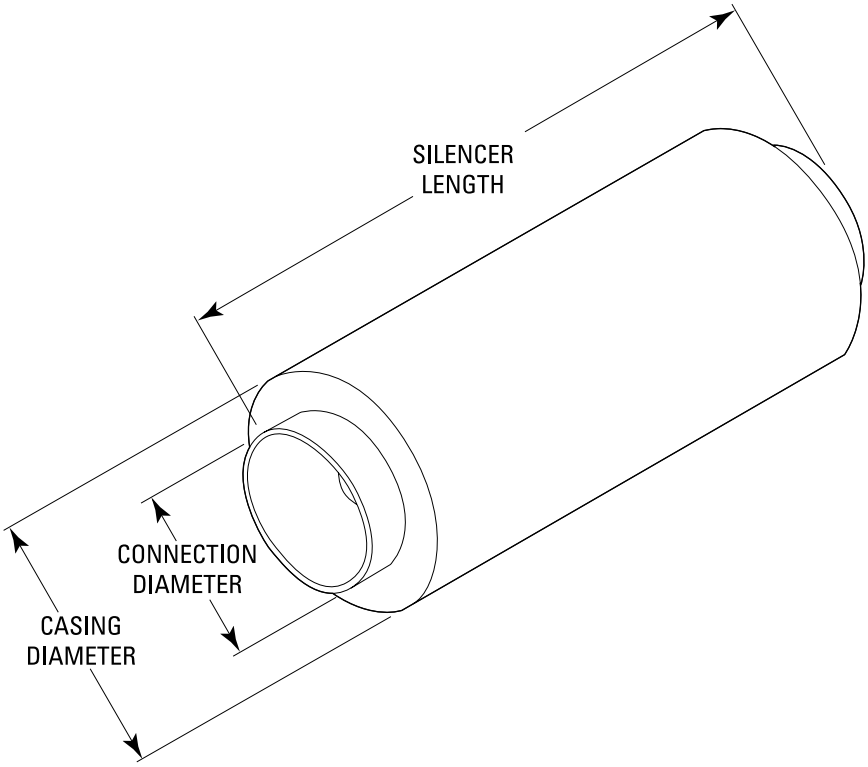
Price absorptive circular film lined silencers are built to match the duct dimensions, therefore the diameter and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional of features such as:

- Paint
- Flanges
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.



Standard Dimension Limits

Connection Diameter		Length		Minimum Casing Gauge
Min	Max	Min	Max	
6	20	24	79	22
6	44	24	120	18
6	60	24	120	16

- All dimensions are in inches.
- Casing diameter will be 16 inches larger than the connection diameter.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/12C

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	12	24-120
Metric	300	600-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	500 Hz	4000 Hz	63 Hz	500 Hz	63 Hz	500 Hz	4000 Hz
36 (900)	+4000 (+20.32)	0.77 (192)	4	5	11	21	33	42	34	21
	+3000 (+15.24)	0.43 (108)	3	5	12	22	33	42	35	20
	+2000 (+10.16)	0.19 (48)	3	5	12	22	34	42	34	20
	+1000 (+5.08)	0.05 (12)	3	5	13	23	34	43	34	19
	0 (0)	0.00 (0)	4	5	14	24	35	43	34	19
	-1000 (-5.08)	0.05 (12)	4	5	15	25	36	44	33	18
	-2000 (-10.16)	0.19 (48)	5	6	15	25	36	44	33	17
	-3000 (-15.24)	0.43(108)	5	7	16	26	37	44	32	16
	-4000 (-20.32)	0.77 (192)	6	8	17	27	37	44	32	14
60 (1500)	+4000 (+20.32)	1.34 (333)	5	7	18	35	38	47	45	29
	+3000 (+15.24)	0.75 (187)	5	7	18	35	39	47	45	29
	+2000 (+10.16)	0.33 (83)	5	7	19	35	40	47	45	28
	+1000 (+5.08)	0.08 (21)	6	7	20	36	40	47	45	26
	0 (0)	0.00 (0)	6	8	21	37	40	47	45	25
	-1000 (-5.08)	0.08 (21)	7	9	22	38	40	47	45	24
	-2000 (-10.16)	0.33 (83)	7	9	22	38	41	47	44	22
	-3000 (-15.24)	0.75 (187)	8	10	23	38	41	47	44	20
	-4000 (-20.32)	1.34 (333)	9	12	24	38	41	47	44	18
84 (2100)	+4000 (+20.32)	1.90 (473)	6	8	24	47	43	52	55	37
	+3000 (+15.24)	1.07 (266)	7	9	25	47	44	52	55	37
	+2000 (+10.16)	0.48 (118)	7	10	26	47	46	52	55	35
	+1000 (+5.08)	0.12 (30)	8	10	27	47	45	51	55	34
	0 (0)	0.00 (0)	8	11	28	47	45	51	55	32
	-1000 (-5.08)	0.12 (30)	9	12	29	47	45	51	55	30
	-2000 (-10.16)	0.48 (118)	9	13	29	47	45	51	55	27
	-3000 (-15.24)	1.07 (266)	10	13	30	47	45	50	55	25
	-4000 (-20.32)	1.90 (473)	12	16	31	47	45	50	55	22
108 (2700)	+4000 (+20.32)	2.47 (614)	8	10	30	47	47	55	55	44
	+3000 (+15.24)	1.39 (345)	8	11	31	47	47	55	55	44
	+2000 (+10.16)	0.62 (153)	9	12	33	47	47	55	55	43
	+1000 (+5.08)	0.15 (38)	10	13	33	47	47	55	55	41
	0 (0)	0.00 (0)	10	13	35	47	47	55	55	38
	-1000 (-5.08)	0.15 (38)	12	15	36	47	47	55	55	36
	-2000 (-10.16)	0.62 (153)	12	16	36	47	47	54	55	32
	-3000 (-15.24)	1.39 (345)	12	16	37	47	47	53	55	29
	-4000 (-20.32)	2.47 (614)	14	19	38	47	47	53	55	26

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.05 (12)	0.19 (48)	0.43 (108)	0.77 (192)
60 (1500)	0.08 (21)	0.33 (83)	0.75 (187)	1.34 (333)
84 (2100)	0.12 (30)	0.48 (118)	1.07 (266)	1.90 (473)
108 (2700)	0.15 (38)	0.62 (153)	1.39 (345)	2.47 (614)

Generated Noise

Length	Face Velocity fpm	Generated Noise (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+4000 (+20.32)	67	57	56	53	48	48	47	45
	+3000 (+15.24)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	50	34	34	35	32	31	24	24
	+1000 (+5.08)	33	25	20	17	16	13	10	10
	-1000 (-5.08)	40	32	28	25	25	10	10	10
	-2000 (-10.16)	55	48	47	44	42	31	34	21
	-3000 (-15.24)	64	57	58	55	53	47	48	40
	-4000 (-20.32)	71	63	65	62	60	57	59	53

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/24B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	500 Hz	4000 Hz	63 Hz	500 Hz	63 Hz	500 Hz	4000 Hz
36 (900)	+4000 (+20.32)	0.3 (78)	2	2	6	15	17	18	13	8
	+3000 (+15.24)	0.18 (44)	2	3	6	16	17	18	13	8
	+2000 (+10.16)	0.08 (19)	1	3	6	17	17	19	14	9
	+1000 (+5.08)	0.02 (5)	3	3	6	17	18	19	14	9
	0 (0)	0.00 (0)	3	4	7	17	18	18	14	8
	-1000 (-5.08)	0.02 (5)	3	4	7	18	19	19	14	9
	-2000 (-10.16)	0.08 (19)	3	4	7	19	19	19	14	9
	-3000 (-15.24)	0.18 (44)	4	5	8	19	20	19	15	9
	-4000 (-20.32)	0.31 (78)	4	6	8	20	21	19	15	10
60 (1500)	+4000 (+20.32)	0.32 (79)	3	4	10	25	29	26	18	12
	+3000 (+15.24)	0.18 (45)	3	4	10	26	29	26	18	12
	+2000 (+10.16)	0.08 (20)	3	4	10	27	30	26	18	12
	+1000 (+5.08)	0.02 (5)	3	5	10	28	30	25	18	12
	0 (0)	0.00 (0)	4	5	11	28	31	26	18	12
	-1000 (-5.08)	0.02 (5)	4	6	12	29	31	26	19	12
	-2000 (-10.16)	0.08 (20)	5	6	12	30	32	26	19	12
	-3000 (-15.24)	0.18 (45)	5	7	12	30	32	26	19	13
	-4000 (-20.32)	0.32 (79)	5	7	13	30	33	26	19	12
84 (2100)	+4000 (+20.32)	0.33 (81)	4	5	14	34	41	33	24	16
	+3000 (+15.24)	0.18 (46)	4	5	14	35	42	33	24	16
	+2000 (+10.16)	0.08 (20)	4	5	14	37	42	33	23	16
	+1000 (+5.08)	0.02 (5)	4	6	15	38	42	32	23	15
	0 (0)	0.00 (0)	5	6	16	39	43	33	23	16
	-1000 (-5.08)	0.02 (5)	6	7	16	40	44	33	23	16
	-2000 (-10.16)	0.08 (20)	6	8	16	40	44	33	23	16
	-3000 (-15.24)	0.18 (46)	6	8	17	41	45	32	23	16
	-4000 (-20.32)	0.33 (81)	6	8	18	41	45	32	23	15
108 (2700)	+4000 (+20.32)	0.33 (83)	4	6	18	44	47	40	29	20
	+3000 (+15.24)	0.19 (47)	5	6	18	45	47	40	29	20
	+2000 (+10.16)	0.08 (21)	5	7	18	47	47	40	28	19
	+1000 (+5.08)	0.02 (5)	5	7	19	47	47	39	27	19
	0 (0)	0.00 (0)	6	7	21	47	47	41	28	20
	-1000 (-5.08)	0.02 (5)	7	9	21	47	47	40	28	20
	-2000 (-10.16)	0.08 (21)	7	10	21	47	47	39	28	19
	-3000 (-15.24)	0.19 (47)	7	10	22	47	47	39	28	19
	-4000 (-20.32)	0.33 (83)	7	10	23	47	47	39	27	18

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (5)	0.08 (19)	0.18 (44)	0.31 (78)
60 (1500)	0.02 (5)	0.08 (20)	0.18 (45)	0.32 (79)
84 (2100)	0.02 (5)	0.08 (20)	0.18 (46)	0.33 (81)
108 (2700)	0.02 (5)	0.08 (21)	0.19 (47)	0.33 (83)

Generated Noise

Length	Face Velocity fpm	Generated Noise (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+4000 (+20.32)	67	56	55	52	48	47	46	44
	+3000 (+15.24)	60	46	45	45	41	40	36	35
	+2000 (+10.16)	49	32	32	34	32	30	23	23
	+1000 (+5.08)	32	10	10	16	15	13	10	10
	-1000 (-5.08)	39	31	27	25	24	10	10	10
	-2000 (-10.16)	55	47	46	43	42	29	32	19
	-3000 (-15.24)	64	57	57	54	52	45	47	37
	-4000 (-20.32)	71	63	65	62	59	56	57	50

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/24E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+3000 (+15.24)	0.54 (135)	3	4	8	19	30	37	23	14
	+2000 (+10.16)	0.24 (60)	3	4	8	21	32	36	23	14
	+1000 (+5.08)	0.06 (15)	3	4	8	21	34	36	23	14
	+500 (+2.54)	0.02 (4)	4	5	8	22	35	36	23	14
	0 (0)	0.00 (0)	4	5	9	23	35	36	23	13
	-500 (-2.54)	0.02 (4)	4	6	9	24	36	36	23	13
	-1000 (-5.08)	0.06 (15)	4	6	10	24	37	36	23	13
	-2000 (-10.16)	0.24 (60)	5	6	10	25	39	37	23	14
	-3000 (-15.24)	0.54 (135)	5	7	11	27	38	37	23	13
60 (1500)	+3000 (+15.24)	0.65 (163)	4	5	13	31	38	44	29	19
	+2000 (+10.16)	0.29 (72)	4	6	14	33	39	43	29	18
	+1000 (+5.08)	0.07 (18)	5	6	14	34	39	44	28	18
	+500 (+2.54)	0.02 (5)	5	7	14	34	39	44	28	18
	0 (0)	0.00 (0)	5	7	15	35	39	44	28	17
	-500 (-2.54)	0.02 (5)	6	7	15	35	40	44	28	17
	-1000 (-5.08)	0.07 (18)	6	8	16	35	40	44	28	17
	-2000 (-10.16)	0.29 (72)	7	9	16	36	40	43	27	17
	-3000 (-15.24)	0.65 (163)	8	10	17	37	40	43	27	16
84 (2100)	+3000 (+15.24)	0.76 (190)	5	7	19	43	45	50	35	24
	+2000 (+10.16)	0.34 (84)	6	8	20	45	45	51	34	23
	+1000 (+5.08)	0.08 (21)	7	9	20	46	44	51	33	22
	+500 (+2.54)	0.02 (5)	7	9	21	47	44	51	33	21
	0 (0)	0.00 (0)	7	9	21	47	44	51	34	22
	-500 (-2.54)	0.02 (5)	7	9	22	47	44	51	33	21
	-1000 (-5.08)	0.08 (21)	8	10	22	47	44	51	33	21
	-2000 (-10.16)	0.34 (84)	9	12	23	47	44	49	31	20
	-3000 (-15.24)	0.76 (190)	10	13	24	47	44	49	31	18
108 (2700)	+3000 (+15.24)	0.87 (217)	7	9	24	47	47	55	41	28
	+2000 (+10.16)	0.39 (96)	7	10	25	47	47	55	40	27
	+1000 (+5.08)	0.10 (24)	8	11	26	47	47	55	38	25
	+500 (+2.54)	0.02 (6)	8	11	27	47	47	55	38	25
	0 (0)	0.00 (0)	8	11	27	47	47	55	39	26
	-500 (-2.54)	0.02 (6)	8	11	28	47	47	55	38	25
	-1000 (-5.08)	0.10 (24)	9	12	28	47	47	55	37	25
	-2000 (-10.16)	0.39 (96)	11	14	30	47	47	55	35	23
	-3000 (-15.24)	0.87 (217)	12	16	31	47	47	55	34	21

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.24 (60)	0.54 (135)
60 (1500)	0.02 (5)	0.07 (18)	0.29 (72)	0.65 (163)
84 (2100)	0.02 (5)	0.08 (21)	0.34 (84)	0.76 (190)
108 (2700)	0.02 (6)	0.10 (24)	0.39 (96)	0.87 (217)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+3000 (+15.24)	70	59	58	55	50	50	50	47
	+2000 (+10.16)	59	46	45	44	41	40	36	35
	+1000 (+5.08)	42	22	23	26	25	23	13	14
	+500 (+2.54)	25	10	10	10	10	10	10	10
	-500 (-2.54)	33	25	19	17	16	10	10	10
	-1000 (-5.08)	48	40	38	35	34	18	21	10
	-2000 (-10.16)	64	56	57	54	52	44	46	37
	-3000 (-15.24)	73	65	67	65	62	60	61	55

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/24G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2000 (+10.16)	0.88 (219)	4	5	11	27	42	48	47	27
	+1500 (+7.62)	0.50 (123)	4	6	12	28	42	48	47	25
	+1000 (+5.08)	0.22 (55)	5	6	12	30	42	48	47	25
	+500 (+2.54)	0.06 (14)	5	7	13	31	42	48	47	23
	0 (0)	0.00 (0)	6	8	13	32	42	49	46	23
	-500 (-2.54)	0.06 (14)	6	8	14	33	42	49	45	22
	-1000 (-5.08)	0.22 (55)	7	9	15	34	42	49	43	21
	-1500 (-7.62)	0.50 (123)	7	10	15	36	42	49	43	19
	-2000 (-10.16)	0.88 (219)	8	11	15	36	42	49	43	20
60 (1500)	+2000 (+10.16)	1.12 (280)	6	8	19	38	43	51	50	33
	+1500 (+7.62)	0.63 (157)	7	9	19	39	43	51	50	33
	+1000 (+5.08)	0.28 (70)	7	10	20	39	43	51	50	32
	+500 (+2.54)	0.07 (17)	8	11	21	40	43	51	50	31
	0 (0)	0.00 (0)	9	11	21	40	43	51	50	31
	-500 (-2.54)	0.07 (17)	9	12	22	41	43	51	49	30
	-1000 (-5.08)	0.28 (70)	10	14	23	40	43	51	49	28
	-1500 (-7.62)	0.63 (157)	11	15	23	41	43	51	49	26
	-2000 (-10.16)	1.12 (280)	12	16	24	41	43	51	49	26
84 (2100)	+2000 (+10.16)	1.37 (340)	9	11	27	47	45	54	53	39
	+1500 (+7.62)	0.77 (191)	10	13	27	47	45	54	52	40
	+1000 (+5.08)	0.34 (85)	10	14	29	47	45	54	54	40
	+500 (+2.54)	0.09 (21)	11	14	29	47	45	54	54	39
	0 (0)	0.00 (0)	11	15	30	47	45	53	54	39
	-500 (-2.54)	0.09 (21)	12	16	30	47	45	53	54	38
	-1000 (-5.08)	0.34 (85)	14	18	31	46	45	53	55	35
	-1500 (-7.62)	0.77 (191)	15	20	32	46	45	53	55	33
	-2000 (-10.16)	1.37 (340)	16	21	32	46	45	53	55	33
108 (2700)	+2000 (+10.16)	1.61 (401)	11	14	35	47	47	55	55	44
	+1500 (+7.62)	0.91 (225)	12	16	35	47	47	55	55	44
	+1000 (+5.08)	0.40 (100)	13	17	37	47	47	55	55	44
	+500 (+2.54)	0.10 (25)	14	18	37	47	47	55	55	44
	0 (0)	0.00 (0)	14	19	38	47	47	55	55	44
	-500 (-2.54)	0.10 (25)	15	21	38	47	47	55	55	44
	-1000 (-5.08)	0.40 (100)	17	22	39	47	47	55	55	43
	-1500 (-7.62)	0.91 (225)	19	25	40	47	47	55	55	40
	-2000 (-10.16)	1.61 (401)	19	26	41	47	47	55	55	39

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.06 (14)	0.22 (55)	0.50 (123)	0.88 (219)
60 (1500)	0.07 (17)	0.28 (70)	0.63 (157)	1.12 (280)
84 (2100)	0.09 (21)	0.34 (85)	0.77 (191)	1.37 (340)
108 (2700)	0.10 (25)	0.40 (100)	0.91 (225)	1.61 (401)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2000 (+10.16)	74	66	64	60	55	55	56	53
	+1500 (+7.62)	67	56	55	52	48	47	46	44
	+1000 (+5.08)	57	42	42	42	38	37	32	32
	+500 (+2.54)	39	18	19	24	22	20	10	11
	-500 (-2.54)	46	38	35	32	31	14	17	10
	-1000 (-5.08)	62	54	54	51	49	40	43	32
	-1500 (-7.62)	71	63	65	62	60	56	57	51
	-2000 (-10.16)	77	70	72	69	67	67	68	64

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/36B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.25 (61)	2	2	6	11	12	9	7	5
	+3000 (+15.24)	0.14 (34)	2	2	6	11	12	9	7	5
	+2000 (+10.16)	0.06 (15)	2	2	7	11	12	9	7	5
	+1000 (+5.08)	0.02 (4)	2	2	7	11	12	9	7	5
	0 (0)	0.00 (0)	2	2	7	12	12	8	6	5
	-1000 (-5.08)	0.02 (4)	2	2	7	12	12	9	7	6
	-2000 (-10.16)	0.06 (15)	2	3	7	12	12	9	7	6
	-3000 (-15.24)	0.14 (34)	2	3	7	12	12	9	8	5
	-4000 (-20.32)	0.25 (61)	2	3	7	12	12	9	8	5
60 (1500)	+4000 (+20.32)	0.27 (66)	3	3	9	18	18	12	10	8
	+3000 (+15.24)	0.15 (37)	3	3	9	18	18	12	10	8
	+2000 (+10.16)	0.07 (17)	3	3	10	19	18	13	10	7
	+1000 (+5.08)	0.02 (4)	3	4	10	20	19	13	10	7
	0 (0)	0.00 (0)	3	3	10	20	19	12	9	7
	-1000 (-5.08)	0.02 (4)	3	4	10	20	20	12	10	8
	-2000 (-10.16)	0.07 (17)	3	4	10	21	20	12	11	8
	-3000 (-15.24)	0.15 (37)	3	4	11	21	21	11	11	8
	-4000 (-20.32)	0.27 (66)	3	4	11	21	21	11	11	8
84 (2100)	+4000 (+20.32)	0.29 (71)	3	5	12	25	25	16	13	10
	+3000 (+15.24)	0.16 (40)	3	5	12	25	25	16	13	10
	+2000 (+10.16)	0.07 (18)	3	5	12	26	25	17	13	9
	+1000 (+5.08)	0.02 (4)	4	5	13	28	26	16	13	9
	0 (0)	0.00 (0)	3	4	13	28	27	15	13	9
	-1000 (-5.08)	0.02 (4)	4	5	13	29	28	15	13	10
	-2000 (-10.16)	0.07 (18)	4	5	13	31	29	15	14	11
	-3000 (-15.24)	0.16 (40)	4	6	14	31	29	14	14	10
	-4000 (-20.32)	0.29 (71)	4	6	14	31	29	14	14	10
108 (2700)	+4000 (+20.32)	0.31 (76)	4	6	15	33	31	20	16	12
	+3000 (+15.24)	0.17 (43)	4	6	15	33	31	20	16	12
	+2000 (+10.16)	0.08 (19)	4	6	15	33	32	20	17	12
	+1000 (+5.08)	0.02 (5)	4	6	16	36	33	20	17	11
	0 (0)	0.00 (0)	4	6	16	37	34	19	16	12
	-1000 (-5.08)	0.02 (5)	4	6	16	37	36	18	17	13
	-2000 (-10.16)	0.08 (19)	5	7	16	40	37	18	17	13
	-3000 (-15.24)	0.17 (43)	5	7	18	40	37	17	17	13
	-4000 (-20.32)	0.31 (76)	5	7	18	40	37	17	17	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.14 (34)	0.25 (61)
60 (1500)	0.02 (4)	0.07 (17)	0.15 (37)	0.27 (66)
84 (2100)	0.02 (4)	0.07 (18)	0.16 (40)	0.29 (71)
108 (2700)	0.02 (5)	0.08 (19)	0.17 (43)	0.31 (76)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	69	58	57	54	50	49	48	46
	+3000 (+15.24)	62	48	47	47	43	42	38	37
	+2000 (+10.16)	51	34	34	36	34	32	25	25
	+1000 (+5.08)	34	12	12	18	17	15	12	12
	-1000 (-5.08)	41	33	29	27	26	12	12	12
	-2000 (-10.16)	57	49	48	45	44	31	34	21
	-3000 (-15.24)	66	59	59	56	54	47	49	39
	-4000 (-20.32)	73	65	67	64	61	58	59	52

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/36E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+3000 (+15.24)	0.44 (109)	3	4	8	15	17	19	13	9
	+2000 (+10.16)	0.19 (48)	3	4	8	15	18	20	13	9
	+1000 (+5.08)	0.05 (12)	3	4	9	16	18	20	13	9
	+500 (+2.54)	0.01 (2)	3	4	9	16	18	20	13	9
	0 (0)	0.00 (0)	3	5	9	17	19	20	13	8
	-500 (-2.54)	0.01 (2)	3	5	9	17	19	20	13	9
	-1000 (-5.08)	0.05 (12)	4	5	9	18	20	20	13	9
	-2000 (-10.16)	0.19 (48)	4	5	10	18	20	20	13	9
	-3000 (-15.24)	0.44 (109)	4	5	10	19	21	20	13	8
60 (1500)	+3000 (+15.24)	0.49 (121)	5	6	12	27	34	33	20	12
	+2000 (+10.16)	0.22 (54)	5	6	12	28	34	33	19	12
	+1000 (+5.08)	0.05 (13)	5	6	13	28	34	33	19	12
	+500 (+2.54)	0.01 (2)	5	7	13	29	34	33	19	12
	0 (0)	0.00 (0)	5	7	14	30	35	33	18	11
	-500 (-2.54)	0.01 (2)	5	7	14	31	35	33	19	11
	-1000 (-5.08)	0.05 (13)	6	7	14	31	35	33	19	12
	-2000 (-10.16)	0.22 (54)	6	8	15	31	35	33	19	11
	-3000 (-15.24)	0.49 (121)	6	9	15	32	35	33	18	10
84 (2100)	+3000 (+15.24)	0.53 (132)	6	8	17	39	47	47	26	15
	+2000 (+10.16)	0.24 (59)	6	9	17	40	47	47	26	15
	+1000 (+5.08)	0.06 (15)	7	9	17	41	47	46	25	15
	+500 (+2.54)	0.01 (4)	7	9	18	42	47	46	25	15
	0 (0)	0.00 (0)	7	9	18	43	47	46	24	13
	-500 (-2.54)	0.01 (4)	7	10	19	44	47	46	24	14
	-1000 (-5.08)	0.06 (15)	8	10	19	45	47	47	25	14
	-2000 (-10.16)	0.24 (59)	8	11	19	44	47	47	24	13
	-3000 (-15.24)	0.53 (132)	9	12	20	45	47	47	24	12
108 (2700)	+3000 (+15.24)	0.58 (144)	8	11	21	47	47	55	32	19
	+2000 (+10.16)	0.26 (64)	8	11	21	47	47	55	32	18
	+1000 (+5.08)	0.06 (16)	8	11	22	47	47	55	31	18
	+500 (+2.54)	0.02 (4)	9	12	22	47	47	55	31	17
	0 (0)	0.00 (0)	9	12	23	47	47	55	30	15
	-500 (-2.54)	0.02 (4)	9	12	23	47	47	55	30	16
	-1000 (-5.08)	0.06 (16)	10	13	24	47	47	55	30	16
	-2000 (-10.16)	0.26 (64)	11	14	24	47	47	55	29	15
	-3000 (-15.24)	0.58 (144)	11	15	24	47	47	55	29	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.01 (2)	0.05 (12)	0.19 (48)	0.44 (109)
60 (1500)	0.01 (2)	0.05 (13)	0.22 (54)	0.49 (121)
84 (2100)	0.01 (4)	0.06 (15)	0.24 (59)	0.53 (132)
108 (2700)	0.02 (4)	0.06 (16)	0.26 (64)	0.58 (144)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+3000 (+15.24)	72	61	60	57	52	52	52	49
	+2000 (+10.16)	61	48	47	46	43	42	38	37
	+1000 (+5.08)	44	24	25	28	27	25	15	16
	+500 (+2.54)	27	12	12	12	12	12	12	12
	-500 (-2.54)	35	27	21	19	18	12	12	12
	-1000 (-5.08)	50	42	40	37	36	20	23	12
	-2000 (-10.16)	66	58	59	56	54	46	48	39
	-3000 (-15.24)	75	67	69	67	64	62	63	57

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CMT/36G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+2000 (+10.16)	0.57 (141)	4	5	10	18	22	29	19	12
	+1500 (+7.62)	0.32 (79)	4	6	9	19	24	29	19	12
	+1000 (+5.08)	0.14 (35)	4	6	10	21	24	30	19	13
	+500 (+2.54)	0.04 (9)	4	6	11	21	24	29	18	12
	0 (0)	0.00 (0)	5	7	11	22	25	31	18	12
	-500 (-2.54)	0.04 (9)	5	7	11	23	26	30	18	12
	-1000 (-5.08)	0.14 (35)	5	7	11	23	26	30	18	13
	-1500 (-7.62)	0.32 (79)	6	8	13	23	27	31	19	13
	-2000 (-10.16)	0.57 (141)	6	8	13	24	28	30	18	11
60 (1500)	+2000 (+10.16)	0.64 (160)	6	9	15	35	47	52	29	16
	+1500 (+7.62)	0.36 (90)	7	9	15	37	47	52	28	16
	+1000 (+5.08)	0.16 (40)	7	9	16	38	47	52	28	16
	+500 (+2.54)	0.04 (10)	7	9	17	38	47	52	27	16
	0 (0)	0.00 (0)	8	10	17	39	47	53	27	14
	-500 (-2.54)	0.04 (10)	8	10	18	40	47	53	26	15
	-1000 (-5.08)	0.16 (40)	8	11	18	40	47	53	26	15
	-1500 (-7.62)	0.36 (90)	9	12	18	40	47	54	26	14
	-2000 (-10.16)	0.64 (160)	9	13	19	41	47	54	25	13
84 (2100)	+2000 (+10.16)	0.72 (178)	9	12	21	47	47	55	38	20
	+1500 (+7.62)	0.40 (100)	9	12	21	47	47	55	38	20
	+1000 (+5.08)	0.18 (45)	10	13	22	47	47	55	36	20
	+500 (+2.54)	0.04 (11)	10	13	23	47	47	55	36	19
	0 (0)	0.00 (0)	10	14	23	47	47	55	35	16
	-500 (-2.54)	0.04 (11)	10	14	24	47	47	55	35	17
	-1000 (-5.08)	0.18 (45)	11	15	24	47	47	55	34	17
	-1500 (-7.62)	0.40 (100)	12	17	24	47	47	55	33	16
	-2000 (-10.16)	0.72 (178)	13	17	24	47	47	55	32	14
108 (2700)	+2000 (+10.16)	0.79 (197)	11	15	27	47	47	55	47	25
	+1500 (+7.62)	0.45 (111)	11	15	27	47	47	55	47	24
	+1000 (+5.08)	0.20 (49)	12	16	28	47	47	55	45	23
	+500 (+2.54)	0.05 (12)	12	17	29	47	47	55	45	23
	0 (0)	0.00 (0)	13	18	29	47	47	55	43	18
	-500 (-2.54)	0.05 (12)	13	18	30	47	47	55	43	20
	-1000 (-5.08)	0.20 (49)	14	18	31	47	47	55	42	19
	-1500 (-7.62)	0.45 (111)	16	21	29	47	47	55	41	17
	-2000 (-10.16)	0.79 (197)	17	22	30	47	47	55	39	15

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.04 (9)	0.14 (35)	0.32 (79)	0.57 (141)
60 (1500)	0.04 (10)	0.16 (40)	0.36 (90)	0.64 (160)
84 (2100)	0.04 (11)	0.18 (45)	0.40 (100)	0.72 (178)
108 (2700)	0.05 (12)	0.20 (49)	0.45 (111)	0.79 (197)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+2000 (+10.16)	76	68	66	62	57	57	58	55
	+1500 (+7.62)	69	58	57	54	50	49	48	46
	+1000 (+5.08)	59	44	44	44	40	39	34	34
	+500 (+2.54)	41	20	21	26	24	22	12	13
	-500 (-2.54)	48	40	37	34	33	16	19	12
	-1000 (-5.08)	64	56	56	53	51	42	45	34
	-1500 (-7.62)	73	65	67	64	62	58	59	53
	-2000 (-10.16)	79	72	74	71	69	69	70	66

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CHT/12A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	36-120
Metric	600	900-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+6000 (+30.48)	0.79 (197)	3	4	10	18	23	20	15	10
	+4000 (+20.32)	0.35 (87)	3	4	10	19	24	20	15	11
	+2000 (+10.16)	0.09 (22)	3	4	11	20	24	20	15	11
	+1000 (+5.08)	0.02 (5)	3	4	11	20	24	20	14	11
	0 (0)	0.00 (0)	3	4	12	21	24	20	14	11
	-1000 (-5.08)	0.02 (5)	3	4	13	21	25	20	14	11
	-2000 (-10.16)	0.09 (22)	3	5	13	22	25	20	14	10
	-4000 (-20.32)	0.35 (87)	4	6	14	23	26	19	12	8
	-6000 (-30.48)	0.79 (197)	4	6	14	23	25	18	12	7
60 (1500)	+6000 (+30.48)	1.61 (402)	4	5	15	31	35	28	21	15
	+4000 (+20.32)	0.72 (179)	4	6	15	32	35	27	20	16
	+2000 (+10.16)	0.18 (45)	4	6	16	33	35	27	19	16
	+1000 (+5.08)	0.04 (11)	5	6	17	34	35	27	19	15
	0 (0)	0.00 (0)	5	6	17	35	35	27	18	14
	-1000 (-5.08)	0.04 (11)	5	7	18	36	35	26	17	14
	-2000 (-10.16)	0.18 (45)	5	7	19	36	35	26	17	12
	-4000 (-20.32)	0.72 (179)	6	9	20	32	33	24	15	9
	-6000 (-30.48)	1.61 (402)	7	9	20	32	33	24	14	8
84 (2100)	+6000 (+30.48)	2.44 (607)	5	6	20	45	44	36	26	20
	+4000 (+20.32)	1.08 (270)	6	8	20	44	44	35	25	21
	+2000 (+10.16)	0.27 (67)	6	8	22	46	44	34	24	20
	+1000 (+5.08)	0.07 (17)	6	8	22	47	44	34	23	20
	0 (0)	0.00 (0)	6	8	23	47	44	34	22	18
	-1000 (-5.08)	0.07 (17)	7	10	24	47	44	33	21	16
	-2000 (-10.16)	0.27 (67)	7	9	24	47	44	32	19	14
	-4000 (-20.32)	1.08 (270)	8	11	25	41	40	29	18	11
	-6000 (-30.48)	2.44 (607)	9	12	26	42	40	29	17	9
108 (2700)	+6000 (+30.48)	3.26 (812)	6	8	25	47	44	44	32	25
	+4000 (+20.32)	1.45 (361)	7	10	25	47	44	42	30	26
	+2000 (+10.16)	0.36 (90)	7	10	27	47	44	41	28	25
	+1000 (+5.08)	0.09 (23)	8	10	28	47	44	40	28	24
	0 (0)	0.00 (0)	8	11	29	47	44	40	26	21
	-1000 (-5.08)	0.09 (23)	9	12	29	47	44	39	24	19
	-2000 (-10.16)	0.36 (90)	9	12	30	47	44	38	22	16
	-4000 (-20.32)	1.45 (361)	11	14	31	47	44	35	21	12
	-6000 (-30.48)	3.26 (812)	12	16	32	47	44	34	20	10

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.04 (9)	0.14 (35)	0.32 (79)	0.57 (141)
60 (1500)	0.04 (10)	0.16 (40)	0.36 (90)	0.64 (160)
84 (2100)	0.04 (11)	0.18 (45)	0.40 (100)	0.72 (178)
108 (2700)	0.05 (12)	0.20 (49)	0.45 (111)	0.79 (197)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2000 (+10.16)	76	68	66	62	57	57	58	55
	+1500 (+7.62)	69	58	57	54	50	49	48	46
	+1000 (+5.08)	59	44	44	44	40	39	34	34
	+500 (+2.54)	41	20	21	26	24	22	12	13
	-500 (-2.54)	48	40	37	34	33	16	19	12
	-1000 (-5.08)	64	56	56	53	51	42	45	34
	-1500 (-7.62)	73	65	67	64	62	58	59	53
	-2000 (-10.16)	79	72	74	71	69	69	70	66

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model CHT/24A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+6000 (+30.48)	0.33 (83)	2	2	5	13	13	9	7	5
	+4000 (+20.32)	0.15 (37)	2	2	5	13	13	9	7	5
	+2000 (+10.16)	0.04 (9)	2	3	5	14	13	9	7	6
	+1000 (+5.08)	0.01 (2)	2	3	6	14	13	9	7	6
	0 (0)	0.00 (0)	2	3	6	14	13	9	8	7
	-1000 (-5.08)	0.01 (2)	2	3	6	15	13	9	8	7
	-2000 (-10.16)	0.04 (9)	2	3	6	15	14	10	9	7
	-4000 (-20.32)	0.15 (37)	3	4	7	16	14	11	10	9
	-6000 (-30.48)	0.33 (83)	4	5	8	17	14	13	12	10
60 (1500)	+6000 (+30.48)	0.32 (79)	2	3	9	22	18	12	10	8
	+4000 (+20.32)	0.14 (35)	2	3	9	23	18	12	10	8
	+2000 (+10.16)	0.04 (9)	3	3	9	24	18	12	11	10
	+1000 (+5.08)	0.01 (2)	3	4	10	24	17	12	11	10
	0 (0)	0.00 (0)	3	4	10	25	18	12	11	10
	-1000 (-5.08)	0.01 (2)	3	4	11	25	17	13	12	9
	-2000 (-10.16)	0.04 (9)	3	5	11	26	17	13	12	10
	-4000 (-20.32)	0.14 (35)	4	6	11	26	17	14	13	11
	-6000 (-30.48)	0.32 (79)	5	7	12	27	18	15	13	11
84 (2100)	+6000 (+30.48)	0.30 (75)	2	3	12	31	23	15	13	11
	+4000 (+20.32)	0.13 (33)	3	4	13	32	22	15	14	11
	+2000 (+10.16)	0.03 (8)	3	4	13	34	22	16	15	13
	+1000 (+5.08)	0.01 (2)	4	5	14	34	22	15	15	13
	0 (0)	0.00 (0)	4	5	14	35	22	15	15	13
	-1000 (-5.08)	0.01 (2)	4	5	15	35	22	16	15	12
	-2000 (-10.16)	0.03 (8)	4	6	15	36	21	16	15	12
	-4000 (-20.32)	0.13 (33)	5	7	16	37	21	17	16	13
	-6000 (-30.48)	0.30 (75)	6	9	17	36	21	18	15	12
108 (2700)	+6000 (+30.48)	0.28 (71)	3	4	16	39	28	18	16	13
	+4000 (+20.32)	0.13 (31)	3	5	17	42	27	19	17	14
	+2000 (+10.16)	0.03 (8)	4	5	17	44	26	19	19	17
	+1000 (+5.08)	0.01 (2)	4	6	18	44	26	19	18	17
	0 (0)	0.00 (0)	4	6	19	46	26	18	18	16
	-1000 (-5.08)	0.01 (2)	2	7	19	46	26	19	18	15
	-2000 (-10.16)	0.03 (8)	5	7	20	46	25	19	19	15
	-4000 (-20.32)	0.13 (31)	6	8	21	47	24	20	18	15
	-6000 (-30.48)	0.28 (71)	8	10	21	46	24	20	17	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.04 (9)	0.15 (37)	0.33 (83)
60 (1500)	0.01 (2)	0.04 (9)	0.14 (35)	0.32 (79)
84 (2100)	0.01 (2)	0.03 (8)	0.13 (33)	0.30 (75)
108 (2700)	0.01 (2)	0.03 (8)	0.13 (31)	0.28 (71)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+6000 (+30.48)	72	63	62	58	53	53	53	51
	+4000 (+20.32)	62	49	49	47	43	43	40	38
	+2000 (+10.16)	45	26	26	29	27	25	16	18
	+1000 (+5.08)	27	10	10	11	11	10	10	10
	-1000 (-5.08)	35	27	22	20	19	10	10	10
	-2000 (-10.16)	51	43	41	38	37	22	25	10
	-4000 (-20.32)	66	59	60	57	55	49	50	42
	-6000 (-30.48)	76	68	70	68	65	64	65	60

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model CHT/36A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+6000 (+30.48)	0.29 (72)	1	2	6	9	6	4	4	3
	+4000 (+20.32)	0.13 (32)	1	2	6	9	6	4	4	3
	+2000 (+10.16)	0.03 (8)	1	2	5	9	6	4	4	3
	+1000 (+5.08)	0.01 (2)	2	2	5	9	6	3	4	3
	0 (0)	0.00 (0)	2	2	6	9	6	3	3	4
	-1000 (-5.08)	0.01 (2)	2	2	6	9	6	4	4	3
	-2000 (-10.16)	0.03 (8)	2	3	6	9	6	4	4	3
	-4000 (-20.32)	0.13 (32)	2	2	6	9	6	4	4	3
	-6000 (-30.48)	0.29 (72)	2	2	6	9	6	4	4	3
60 (1500)	+6000 (+30.48)	0.30 (74)	2	3	9	15	10	8	7	5
	+4000 (+20.32)	0.13 (33)	2	3	9	15	10	8	7	5
	+2000 (+10.16)	0.03 (8)	2	3	8	15	11	8	7	5
	+1000 (+5.08)	0.01 (2)	2	3	8	15	10	7	7	5
	0 (0)	0.00 (0)	2	3	9	15	10	7	7	5
	-1000 (-5.08)	0.01 (2)	2	3	9	15	10	8	7	5
	-2000 (-10.16)	0.03 (8)	3	4	9	15	10	8	7	5
	-4000 (-20.32)	0.13 (33)	3	4	9	15	10	8	7	5
	-6000 (-30.48)	0.30 (74)	3	4	9	14	9	8	7	5
84 (2100)	+6000 (+30.48)	0.31 (77)	3	4	11	21	14	11	10	6
	+4000 (+20.32)	0.14 (34)	3	4	12	21	14	11	10	7
	+2000 (+10.16)	0.03 (9)	3	4	11	21	15	12	10	7
	+1000 (+5.08)	0.01 (2)	3	4	12	21	14	11	10	7
	0 (0)	0.00 (0)	3	4	12	21	14	11	10	7
	-1000 (-5.08)	0.01 (2)	3	4	12	21	14	11	10	7
	-2000 (-10.16)	0.03 (9)	4	5	12	20	13	11	11	7
	-4000 (-20.32)	0.14 (34)	4	5	12	20	13	11	10	7
	-6000 (-30.48)	0.31 (77)	4	5	12	20	12	11	10	7
108 (2700)	+6000 (+30.48)	0.32 (80)	4	5	14	28	18	15	13	8
	+4000 (+20.32)	0.14 (35)	4	5	15	28	18	15	14	9
	+2000 (+10.16)	0.04 (9)	4	5	14	28	19	15	14	8
	+1000 (+5.08)	0.01 (2)	3	5	15	27	18	15	14	9
	0 (0)	0.00 (0)	4	5	15	27	18	16	14	8
	-1000 (-5.08)	0.01 (2)	4	5	15	27	17	15	14	9
	-2000 (-10.16)	0.04 (9)	5	6	15	26	16	15	14	9
	-4000 (-20.32)	0.14 (35)	5	6	15	26	16	15	14	9
	-6000 (-30.48)	0.32 (80)	4	6	15	25	15	14	13	8

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.03 (8)	0.13 (32)	0.29 (72)
60 (1500)	0.01 (2)	0.03 (8)	0.13 (33)	0.30 (74)
84 (2100)	0.01 (2)	0.03 (9)	0.14 (34)	0.31 (77)
108 (2700)	0.01 (2)	0.04 (9)	0.14 (35)	0.32 (80)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+6000 (+30.48)	74	65	64	60	55	55	55	53
	+4000 (+20.32)	64	51	51	49	45	45	42	40
	+2000 (+10.16)	47	28	28	31	29	27	18	20
	+1000 (+5.08)	29	12	12	13	13	12	12	12
	-1000 (-5.08)	37	29	24	22	21	12	12	12
	-2000 (-10.16)	53	45	43	40	39	24	27	12
	-4000 (-20.32)	68	61	62	59	57	51	52	44
	-6000 (-30.48)	78	70	72	70	67	66	67	62

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX, CHTX Series

Product Information

Models

Circular Film Lined Extended Casing Silencers

Circular Medium Velocity Film Lined Extended Casing **CMTX**

Circular High Velocity Film Lined Extended Casing **CHTX**

Price Absorptive Circular Film Lined Extended Casing Silencers are designed to provide a practical solution for controlling undesirable noise in circular ductwork systems that require high insertion loss at lower frequencies and additional protection for the acoustic media. This silencer line features a thin film liner that encapsulates the acoustic media to protect it from moisture and airborne contaminants while thicker external casing provides improved insertion loss. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Enlarged external casing to improve low frequency insertion loss.
- Thin polymer film liner that encapsulates the acoustic media for added protection.
- Acoustic standoff that separates the thin film liner from the perforated metal to ensure the highest levels of insertion loss.
- Eliminates costly square to round transitions.
- Smooth aerodynamic internal geometries that minimize pressure drop and turbulence.
- 2″ slip connection on both ends.

CMTX Silencers

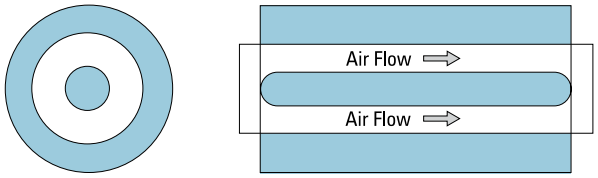
Price CMTX silencers are designed for medium velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies. The sleek curved inlet and outlet of the center pod reduce turbulence and allow for static regain for improved pressure drop. This configuration is best suited for applications with velocities of 4000 fpm or less.

Recommended Air Velocity Ranges

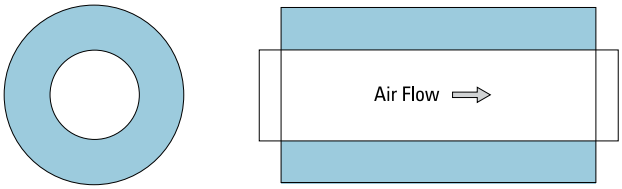
Price recommends that silencers are selected within the following duct velocity ranges:

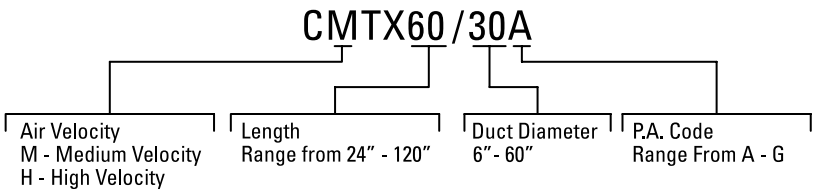
Model	Description	Air Velocity Range (fpm)
CM	Medium Velocity Silencer	0-4000
CH	High Velocity Silencer	0-8000

CMTX- Circular Medium Velocity



CHTX - Circular High Velocity





CHTX Silencers

Price CHTX silencers are designed for high velocity applications and have no center pods that enter the air stream to constrict the air flow. The design minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss. The Price CHTX Silencer model is best suited for applications where low pressure drops are the priority or where high air velocities cannot be avoided.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX, CHTX Series

Product Information

Construction

Price absorptive circular film lined extended casing silencers consist of an enlarged solid metal casing, minimum 26 gauge perforated metal liner, film liner, acoustic standoff, and acoustic fiberglass media. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

CL3 – 16 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Liner

A thin polymer film is wrapped around the fiberglass media to provide a barrier against elements that may be found in the air stream. To ensure that acoustic performance is maintained, an acoustic standoff is placed between the perforated metal and the film liner.

Dimensions

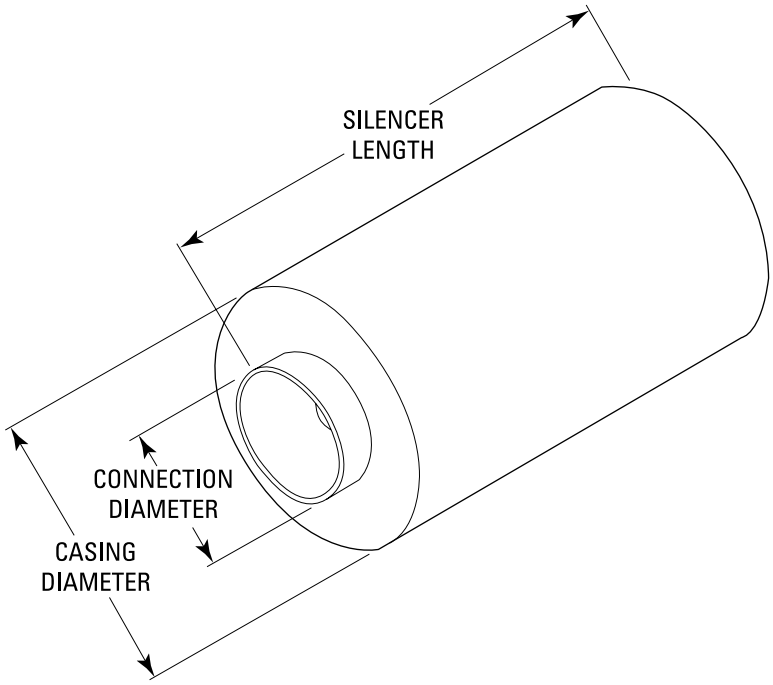
Price absorptive circular film lined extended casing silencers are built to match the duct dimensions, therefore the diameter and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional of features such as:

- Paint
- Flanges
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.



Standard Dimension Limits

Connection Diameter		Length		Minimum Casing Gauge
Min	Max	Min	Max	
6	20	24	79	22
6	44	24	120	18
6	60	24	120	16

- All dimensions are in inches
- Casing diameter will be 16 inches larger than the connection diameter.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/12C

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	12	36-120
Metric	300	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.77 (192)	9	12	14	21	30	41	32	21
	+3000 (+15.24)	0.43 (108)	9	12	15	22	32	41	33	20
	+2000 (+10.16)	0.19 (48)	9	12	16	23	33	42	33	20
	+1000 (+5.08)	0.05 (12)	9	12	16	23	34	42	33	19
	0 (0)	0.00 (0)	10	13	17	24	35	42	32	18
	-1000 (-5.08)	0.05 (12)	10	14	18	24	36	43	31	17
	-2000 (-10.16)	0.19 (48)	11	14	18	25	36	43	30	16
	-3000 (-15.24)	0.43 (108)	11	15	19	26	36	42	29	14
	-4000 (-20.32)	0.77 (192)	11	15	19	25	36	42	28	13
60 (1500)	+4000 (+20.32)	1.34 (333)	10	14	23	38	40	46	47	29
	+3000 (+15.24)	0.75 (187)	11	14	23	38	40	46	47	29
	+2000 (+10.16)	0.33 (83)	11	14	24	39	41	47	47	28
	+1000 (+5.08)	0.08 (21)	11	15	25	40	41	47	46	27
	0 (0)	0.00 (0)	12	14	25	40	41	47	46	26
	-1000 (-5.08)	0.08 (21)	13	15	26	40	41	47	46	24
	-2000 (-10.16)	0.33 (83)	14	16	26	41	41	47	46	23
	-3000 (-15.24)	0.75 (187)	15	17	26	39	41	46	46	21
	-4000 (-20.32)	1.34 (333)	16	18	26	39	41	46	46	19
84 (2100)	+4000 (+20.32)	1.90 (473)	12	16	32	47	47	52	55	38
	+3000 (+15.24)	1.07 (266)	12	16	32	47	47	52	55	38
	+2000 (+10.16)	0.48 (118)	13	17	32	47	47	52	55	37
	+1000 (+5.08)	0.12 (30)	13	17	33	47	47	51	55	35
	0 (0)	0.00 (0)	15	16	33	47	46	52	55	34
	-1000 (-5.08)	0.12 (30)	16	17	33	47	46	51	55	32
	-2000 (-10.16)	0.48 (118)	18	18	33	47	45	50	55	30
	-3000 (-15.24)	1.07 (266)	20	19	33	47	45	50	55	28
	-4000 (-20.32)	1.90 (473)	21	20	33	47	45	50	55	26
108 (2700)	+4000 (+20.32)	2.47 (614)	13	18	41	47	47	55	55	44
	+3000 (+15.24)	1.39 (345)	14	18	40	47	47	55	55	44
	+2000 (+10.16)	0.62 (153)	14	19	40	47	47	55	55	44
	+1000 (+5.08)	0.15 (38)	14	19	41	47	47	55	55	43
	0 (0)	0.00 (0)	17	17	41	47	47	55	55	43
	-1000 (-5.08)	0.15 (38)	20	19	41	47	47	55	55	40
	-2000 (-10.16)	0.62 (153)	22	20	41	47	47	54	55	38
	-3000 (-15.24)	1.39 (345)	24	21	40	47	47	54	55	34
	-4000 (-20.32)	2.47 (614)	26	23	39	47	47	54	55	32

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.05 (12)	0.19 (48)	0.43 (108)	0.77 (192)
60 (1500)	0.08 (21)	0.33 (83)	0.75 (187)	1.34 (333)
84 (2100)	0.12 (30)	0.48 (118)	1.07 (266)	1.90 (473)
108 (2700)	0.15 (38)	0.62 (153)	1.39 (345)	2.47 (614)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	57	56	53	48	48	47	45
	+3000 (+15.24)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	50	34	34	35	32	31	24	24
	+1000 (+5.08)	33	25	20	17	16	13	10	10
	-1000 (-5.08)	40	32	28	25	25	10	10	10
	-2000 (-10.16)	55	48	47	44	42	31	34	21
	-3000 (-15.24)	64	57	58	55	53	47	48	40
	-4000 (-20.32)	71	63	65	62	60	57	59	53

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.08 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/24B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	36-120
Metric	600	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+4000 (+20.32)	0.31 (78)	5	6	7	14	19	20	15	9
	+3000 (+15.24)	0.18 (44)	5	6	7	14	20	20	15	9
	+2000 (+10.16)	0.08 (19)	5	7	8	15	20	20	15	9
	+1000 (+5.08)	0.02 (5)	6	7	8	15	20	20	15	9
	0 (0)	0.00 (0)	6	8	9	15	21	20	15	8
	-1000 (-5.08)	0.02 (5)	7	9	9	16	21	21	15	8
	-2000 (-10.16)	0.08 (19)	7	9	9	17	22	21	16	9
	-3000 (-15.24)	0.18 (44)	8	10	10	17	22	21	16	10
	-4000 (-20.32)	0.31 (78)	8	11	10	18	25	21	17	10
60 (1500)	+4000 (+20.32)	0.32 (79)	7	10	13	21	28	24	17	12
	+3000 (+15.24)	0.18 (45)	8	11	13	22	29	24	17	12
	+2000 (+10.16)	0.08 (20)	8	11	14	23	29	24	17	12
	+1000 (+5.08)	0.02 (5)	9	11	14	23	30	24	17	13
	0 (0)	0.00 (0)	9	12	15	24	30	24	17	12
	-1000 (-5.08)	0.02 (5)	9	13	16	25	31	24	17	12
	-2000 (-10.16)	0.08 (20)	10	13	16	25	31	24	17	12
	-3000 (-15.24)	0.18 (45)	10	14	17	26	32	24	18	12
	-4000 (-20.32)	0.32 (79)	11	15	17	27	31	24	18	12
84 (2100)	+4000 (+20.32)	0.33 (81)	10	14	18	29	37	28	19	16
	+3000 (+15.24)	0.18 (46)	11	15	19	30	38	28	19	16
	+2000 (+10.16)	0.08 (20)	11	15	20	31	39	28	19	15
	+1000 (+5.08)	0.02 (5)	12	15	21	32	39	28	19	16
	0 (0)	0.00 (0)	12	16	22	33	40	28	19	16
	-1000 (-5.08)	0.02 (5)	12	16	22	33	40	27	19	16
	-2000 (-10.16)	0.08 (20)	13	17	23	34	41	27	19	16
	-3000 (-15.24)	0.18 (46)	13	17	24	35	42	27	19	15
	-4000 (-20.32)	0.33 (81)	14	18	25	36	38	28	19	15
108 (2700)	+4000 (+20.32)	0.33 (83)	13	18	24	36	46	32	21	19
	+3000 (+15.24)	0.19 (47)	14	19	25	37	47	32	21	19
	+2000 (+10.16)	0.08 (21)	14	19	26	39	47	32	21	18
	+1000 (+5.08)	0.02 (5)	15	20	27	40	47	32	21	19
	0 (0)	0.00 (0)	15	19	28	42	47	31	21	20
	-1000 (-5.08)	0.02 (5)	15	20	29	42	47	31	21	20
	-2000 (-10.16)	0.08 (21)	16	21	30	43	47	30	21	19
	-3000 (-15.24)	0.19 (47)	16	21	31	44	47	30	20	18
	-4000 (-20.32)	0.33 (83)	17	22	32	46	44	31	20	18

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (5)	0.08 (19)	0.18 (44)	0.31 (78)
60 (1500)	0.02 (5)	0.08 (20)	0.18 (45)	0.32 (79)
84 (2100)	0.02 (5)	0.08 (20)	0.18 (46)	0.33 (81)
108 (2700)	0.02 (5)	0.08 (21)	0.19 (47)	0.33 (83)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+4000 (+20.32)	67	56	55	52	48	47	46	44
	+3000 (+15.24)	60	46	45	45	41	40	36	35
	+2000 (+10.16)	49	32	32	34	32	30	23	23
	+1000 (+5.08)	32	10	10	16	15	13	10	10
	-1000 (-5.08)	39	31	27	25	24	10	10	10
	-2000 (-10.16)	55	47	46	43	42	29	32	19
	-3000 (-15.24)	64	57	57	54	52	45	47	37
	-4000 (-20.32)	71	63	65	62	59	56	57	50

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/24E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	36-120
Metric	600	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
36 (900)	+3000 (+15.24)	0.54 (135)	6	9	11	17	27	33	20	13
	+2000 (+10.16)	0.24 (60)	7	9	12	19	29	33	20	13
	+1000 (+5.08)	0.06 (15)	8	10	12	20	31	33	20	12
	+500 (+2.45)	0.02 (4)	8	10	13	20	32	33	20	12
	0 (0)	0.00 (0)	12	16	27	40	45	50	32	19
	-500 (-2.45)	0.02 (4)	12	17	27	40	45	49	31	18
	-1000 (-5.08)	0.06 (15)	13	17	28	41	45	49	32	18
	-2000 (-10.16)	0.24 (60)	14	18	29	43	46	47	30	17
	-3000 (-15.24)	0.54 (135)	14	19	30	43	46	47	30	16
60 (1500)	+3000 (+15.24)	1.16 (289)	9	12	19	29	39	44	31	19
	+2000 (+10.16)	0.65 (163)	9	13	20	31	40	44	30	19
	+1000 (+5.08)	0.29 (72)	10	13	21	32	41	44	29	18
	+500 (+2.45)	0.07 (18)	10	14	22	33	41	44	29	17
	0 (0)	0.00 (0)	12	16	27	40	45	50	32	19
	-500 (-2.45)	0.07 (18)	12	17	27	40	45	49	31	18
	-1000 (-5.08)	0.29 (72)	13	17	28	41	45	49	32	18
	-2000 (-10.16)	0.65 (163)	14	18	29	43	46	47	30	17
	-3000 (-15.24)	1.16 (289)	14	19	30	43	46	47	30	16
84 (2100)	+3000 (+15.24)	1.36 (337)	11	15	27	42	47	55	41	26
	+2000 (+10.16)	0.76 (190)	12	16	28	43	47	55	40	25
	+1000 (+5.08)	0.34 (84)	13	17	29	45	47	55	38	23
	+500 (+2.45)	0.08 (21)	13	18	30	46	47	55	37	22
	0 (0)	0.00 (0)	12	16	27	40	45	50	32	19
	-500 (-2.45)	0.08 (21)	12	17	27	40	45	49	31	18
	-1000 (-5.08)	0.34 (84)	13	17	28	41	45	49	32	18
	-2000 (-10.16)	0.76 (190)	14	18	29	43	46	47	30	17
	-3000 (-15.24)	1.36 (337)	14	19	30	43	46	47	30	16
108 (2700)	+3000 (+15.24)	1.55 (386)	14	19	35	47	47	55	52	33
	+2000 (+10.16)	0.87 (217)	15	20	36	47	47	55	49	31
	+1000 (+5.08)	0.39 (96)	15	20	38	47	47	55	46	29
	+500 (+2.45)	0.10 (24)	16	21	39	47	47	55	45	27
	0 (0)	0.00 (0)	12	16	27	40	45	50	32	19
	-500 (-2.45)	0.10 (24)	12	17	27	40	45	49	31	18
	-1000 (-5.08)	0.39 (96)	13	17	28	41	45	49	32	18
	-2000 (-10.16)	0.87 (217)	14	18	29	43	46	47	30	17
	-3000 (-15.24)	1.55 (386)	14	19	30	43	46	47	30	16

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.24 (60)	0.54 (135)
60 (1500)	0.07 (18)	0.29 (72)	0.65 (163)	1.16 (289)
84 (2100)	0.08 (21)	0.34 (84)	0.76 (190)	1.36 (337)
108 (2700)	0.10 (24)	0.39 (96)	0.87 (217)	1.55 (386)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 1 63 Hz	2 125 Hz	3 250 Hz	4 500 Hz	5 1000 Hz	6 2000 Hz	7 4000 Hz	8 8000 Hz
All Lengths	+3000 (+15.24)	70	59	58	55	50	50	50	47
	+2000 (+10.16)	59	46	45	44	41	40	36	35
	+1000 (+5.08)	42	22	23	26	25	23	13	14
	+500 (+2.45)	25	10	10	10	10	10	10	10
	-500 (-2.45)	33	25	19	17	16	10	10	10
	-1000 (-5.08)	48	40	38	35	34	18	21	10
	-2000 (-10.16)	64	56	57	54	52	44	46	37
	-3000 (-15.24)	73	65	67	65	62	60	61	55

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/24G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	36-120
Metric	600	900-3000

Insertion Loss

Length Inches (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2000 (+10.16)	0.88 (219)	8	10	17	27	40	50	46	32
	+1500 (+7.62)	0.50 (123)	8	11	18	28	40	50	46	30
	+1000 (+5.08)	0.22 (55)	9	12	19	30	40	51	46	29
	+500 (+2.54)	0.06 (14)	9	13	20	32	40	51	45	27
	0 (0)	0.00 (0)	10	14	21	34	40	50	45	28
	-500 (-2.54)	0.06 (14)	11	15	22	36	40	50	44	28
	-1000 (-5.08)	0.22 (55)	12	16	23	38	40	50	43	25
	-1500 (-7.62)	0.50 (123)	12	17	24	39	40	50	43	23
	-2000 (-10.16)	0.88 (219)	13	17	25	39	40	50	43	21
60 (1500)	+2000 (+10.16)	1.12 (280)	11	15	27	39	43	51	49	40
	+1500 (+7.62)	0.63 (157)	12	16	28	39	43	51	49	39
	+1000 (+5.08)	0.28 (70)	13	17	28	41	43	51	49	38
	+500 (+2.54)	0.07 (17)	13	18	29	41	44	51	49	37
	0 (0)	0.00 (0)	14	19	30	42	44	51	48	36
	-500 (-2.54)	0.07 (17)	15	20	30	43	43	51	48	34
	-1000 (-5.08)	0.28 (70)	16	21	31	43	43	51	48	33
	-1500 (-7.62)	0.63 (157)	16	22	32	43	43	51	48	31
	-2000 (-10.16)	1.12 (280)	17	23	32	43	43	51	48	30
84 (2100)	+2000 (+10.16)	1.37 (340)	15	20	36	47	47	52	52	47
	+1500 (+7.62)	0.77 (191)	16	21	37	47	47	51	51	48
	+1000 (+5.08)	0.34 (85)	17	22	37	47	47	51	52	48
	+500 (+2.54)	0.09 (21)	17	23	38	47	47	52	52	47
	0 (0)	0.00 (0)	18	23	38	47	47	52	52	45
	-500 (-2.54)	0.09 (21)	19	25	38	47	47	52	52	40
	-1000 (-5.08)	0.34 (85)	19	25	39	47	45	52	52	40
	-1500 (-7.62)	0.77 (191)	20	27	39	47	45	52	52	38
	-2000 (-10.16)	1.37 (340)	21	28	39	47	45	52	52	39
108 (2700)	+2000 (+10.16)	1.61 (401)	18	24	41	47	47	53	55	55
	+1500 (+7.62)	0.91 (225)	19	26	41	47	47	51	54	55
	+1000 (+5.08)	0.40 (100)	21	27	41	47	47	52	55	55
	+500 (+2.54)	0.10 (25)	21	28	41	47	47	52	55	55
	0 (0)	0.00 (0)	21	28	41	47	47	53	55	53
	-500 (-2.54)	0.10 (25)	22	30	41	47	47	53	55	47
	-1000 (-5.08)	0.40 (100)	23	30	41	47	47	53	55	47
	-1500 (-7.62)	0.91 (225)	24	32	41	47	47	53	55	46
	-2000 (-10.16)	1.61 (401)	25	33	41	47	47	53	55	48

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.06 (14)	0.22 (55)	0.50 (123)	0.88 (219)
60 (1500)	0.07 (17)	0.28 (70)	0.63 (157)	1.12 (280)
84 (2100)	0.09 (21)	0.34 (85)	0.77 (191)	1.37 (340)
108 (2700)	0.10 (25)	0.40 (100)	0.91 (225)	1.61 (401)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2000 (+10.16)	74	66	64	60	55	55	56	53
	+1500 (+7.62)	67	56	55	52	48	47	46	44
	+1000 (+5.08)	57	42	42	42	38	37	32	32
	+500 (+2.54)	39	18	19	24	22	20	10	11
	-500 (-2.54)	46	38	35	32	31	14	17	10
	-1000 (-5.08)	62	54	54	51	49	40	43	32
	-1500 (-7.62)	71	63	65	62	60	56	57	51
	-2000 (-10.16)	77	70	72	69	67	67	68	64

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/36B

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm))	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+4000 (+20.32)	0.25 (61)	4	6	6	8	11	9	6	3
	+3000 (+15.24)	0.14 (34)	4	6	6	8	11	9	6	3
	+2000 (+10.16)	0.06 (15)	4	6	6	8	11	9	5	3
	+1000 (+5.08)	0.02 (4)	5	6	6	8	11	9	6	3
	0 (0)	0.00 (0)	4	5	6	9	11	8	5	3
	-1000 (-5.08)	0.02 (4)	4	5	6	10	12	8	5	3
	-2000 (-10.16)	0.06 (15)	4	5	6	10	12	8	5	2
	-3000 (-15.24)	0.14 (34)	4	5	6	10	12	8	5	2
	-4000 (-20.32)	0.25 (61)	4	5	6	10	12	8	5	2
60 (1500)	+4000 (+20.32)	0.27 (66)	6	8	9	14	18	13	9	7
	+3000 (+15.24)	0.15 (37)	6	8	9	14	18	13	9	7
	+2000 (+10.16)	0.07 (17)	6	8	10	15	19	13	9	6
	+1000 (+5.08)	0.02 (4)	6	8	10	16	19	12	9	6
	0 (0)	0.00 (0)	6	8	10	17	19	11	9	6
	-1000 (-5.08)	0.02 (4)	7	9	11	17	20	11	9	6
	-2000 (-10.16)	0.07 (17)	6	8	11	18	20	11	9	6
	-3000 (-15.24)	0.15 (37)	7	9	11	18	20	11	9	6
	-4000 (-20.32)	0.27 (66)	7	9	11	18	20	11	9	6
84 (2100)	+4000 (+20.32)	0.29 (71)	8	10	13	21	26	16	13	10
	+3000 (+15.24)	0.16 (40)	8	10	13	21	26	16	13	10
	+2000 (+10.16)	0.07 (18)	8	11	13	23	26	16	13	10
	+1000 (+5.08)	0.02 (4)	8	10	14	24	27	16	12	10
	0 (0)	0.00 (0)	9	11	14	24	27	15	13	10
	-1000 (-5.08)	0.02 (4)	9	12	15	24	28	14	13	10
	-2000 (-10.16)	0.07 (18)	9	12	15	26	28	15	14	10
	-3000 (-15.24)	0.16 (40)	9	12	16	25	28	13	13	10
	-4000 (-20.32)	0.29 (71)	9	12	16	25	28	13	13	10
108 (2700)	+4000 (+20.32)	0.31 (76)	9	13	17	28	34	20	17	14
	+3000 (+15.24)	0.17 (43)	9	13	17	28	34	20	17	14
	+2000 (+10.16)	0.08 (19)	10	13	17	30	34	19	17	13
	+1000 (+5.08)	0.02 (5)	9	12	17	31	35	19	16	13
	0 (0)	0.00 (0)	11	15	18	31	35	18	16	13
	-1000 (-5.08)	0.02 (5)	12	16	20	32	36	17	17	14
	-2000 (-10.16)	0.08 (19)	11	15	19	33	37	18	18	14
	-3000 (-15.24)	0.17 (43)	11	15	21	33	36	16	17	13
	-4000 (-20.32)	0.31 (76)	11	15	21	33	36	16	17	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	3000 fpm	4000 fpm
36 (900)	0.02 (4)	0.06 (15)	0.14 (34)	0.25 (61)
60 (1500)	0.02 (4)	0.07 (17)	0.15 (37)	0.27 (66)
84 (2100)	0.02 (4)	0.07 (18)	0.16 (40)	0.29 (71)
108 (2700)	0.02 (5)	0.08 (19)	0.17 (43)	0.31 (76)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		1	2	3	4	5	6	7	8
All Lengths	+4000 (+20.32)	69	58	57	54	50	49	48	46
	+3000 (+15.24)	62	48	47	47	43	42	38	37
	+2000 (+10.16)	51	34	34	36	34	32	25	25
	+1000 (+5.08)	34	12	12	18	17	15	12	12
	-1000 (-5.08)	41	33	29	27	26	12	12	12
	-2000 (-10.16)	57	49	48	45	44	31	34	21
	-3000 (-15.24)	66	59	59	56	54	47	49	39
	-4000 (-20.32)	73	65	67	64	61	58	59	52

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/36E

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm))	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+3000 (+15.24)	0.44 (109)	3	4	8	15	17	19	13	9
	+2000 (+10.16)	0.19 (48)	3	4	8	15	18	20	13	9
	+1000 (+5.08)	0.05 (12)	3	4	9	16	18	20	13	9
	+500 (+2.54)	0.01 (2)	3	4	9	16	18	20	13	9
	0 (0)	0.00 (0)	6	7	9	14	18	20	12	8
	-500 (-2.54)	0.01 (2)	6	7	9	14	18	20	12	8
	-1000 (-5.08)	0.05 (12)	6	8	10	14	19	20	12	8
	-2000 (-10.16)	0.19 (48)	6	8	10	15	19	20	12	8
	-3000 (-15.24)	0.44 (109)	6	9	10	15	20	20	12	7
60 (1500)	+3000 (+15.24)	0.49 (121)	7	9	15	24	33	32	19	12
	+2000 (+10.16)	0.22 (54)	7	9	15	24	33	32	19	11
	+1000 (+5.08)	0.05 (13)	7	10	16	25	33	32	18	11
	+500 (+2.54)	0.01 (2)	7	10	17	26	34	32	18	11
	0 (0)	0.00 (0)	8	11	17	25	34	32	17	10
	-500 (-2.54)	0.01 (2)	8	11	18	26	35	32	18	11
	-1000 (-5.08)	0.05 (13)	9	12	18	26	35	32	18	11
	-2000 (-10.16)	0.22 (54)	9	12	19	26	35	32	17	10
	-3000 (-15.24)	0.49 (121)	9	13	19	26	35	32	17	9
84 (2100)	+3000 (+15.24)	0.53 (132)	11	15	21	33	47	44	25	15
	+2000 (+10.16)	0.24 (59)	11	15	23	33	47	44	25	14
	+1000 (+5.08)	0.06 (15)	12	16	24	35	47	44	24	13
	+500 (+2.54)	0.01 (4)	12	16	24	35	47	44	23	13
	0 (0)	0.00 (0)	11	15	25	37	47	44	23	13
	-500 (-2.54)	0.01 (4)	11	15	26	38	47	44	23	14
	-1000 (-5.08)	0.06 (15)	12	16	26	38	47	44	23	13
	-2000 (-10.16)	0.24 (59)	12	16	27	38	47	44	22	13
	-3000 (-15.24)	0.53 (132)	12	17	28	38	47	44	23	12
108 (2700)	+3000 (+15.24)	0.58 (144)	15	20	28	47	47	55	31	18
	+2000 (+10.16)	0.26 (64)	15	20	30	47	47	55	30	17
	+1000 (+5.08)	0.06 (16)	16	21	31	47	47	55	29	16
	+500 (+2.54)	0.02 (4)	16	22	32	47	47	55	29	15
	0 (0)	0.00 (0)	14	19	33	47	47	55	28	16
	-500 (-2.54)	0.02 (4)	14	19	34	47	47	55	28	16
	-1000 (-5.08)	0.06 (16)	15	20	34	47	47	55	28	16
	-2000 (-10.16)	0.26 (64)	15	19	36	47	47	55	27	15
	-3000 (-15.24)	0.58 (144)	15	20	36	47	47	55	28	14

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	2000 fpm	3000 fpm
36 (900)	0.01 (2)	0.05 (12)	0.19 (48)	0.44 (109)
60 (1500)	0.01 (2)	0.05 (13)	0.22 (54)	0.49 (121)
84 (2100)	0.01 (4)	0.06 (15)	0.24 (59)	0.53 (132)
108 (2700)	0.02 (4)	0.06 (16)	0.26 (64)	0.58 (144)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		1	2	3	4	5	6	7	8
All Lengths	+3000 (+15.24)	72	61	60	57	52	52	52	49
	+2000 (+10.16)	61	48	47	46	43	42	38	37
	+1000 (+5.08)	44	24	25	28	27	25	15	16
	+500 (+2.54)	27	12	12	12	12	12	12	12
	-500 (-2.54)	35	27	21	19	18	12	12	12
	-1000 (-5.08)	50	42	40	37	36	20	23	12
	-2000 (-10.16)	66	58	59	56	54	46	48	39
	-3000 (-15.24)	75	67	69	67	64	62	63	57

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX Series

Performance Data - Model CMTX/36G

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm))	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2000 (+10.16)	0.57 (141)	2	2	10	21	23	29	20	14
	+1500 (+7.62)	0.32 (79)	2	3	10	22	24	29	20	14
	+1000 (+5.08)	0.14 (35)	2	2	11	24	25	29	20	15
	+500 (+2.54)	0.04 (9)	2	2	12	24	25	29	19	14
	0 (0)	0.00 (0)	7	10	13	18	24	31	19	12
	-500 (-2.54)	0.04 (9)	7	10	12	19	25	31	19	13
	-1000 (-5.08)	0.14 (35)	8	10	13	19	25	31	19	14
	-1500 (-7.62)	0.32 (79)	8	11	13	19	26	31	19	13
	-2000 (-10.16)	0.57 (141)	9	12	14	19	27	32	18	12
60 (1500)	+2000 (+10.16)	0.64 (160)	8	10	20	32	47	50	28	17
	+1500 (+7.62)	0.36 (90)	8	11	21	33	47	50	27	16
	+1000 (+5.08)	0.16 (40)	8	11	22	35	47	50	27	16
	+500 (+2.54)	0.04 (10)	9	12	23	35	47	50	26	15
	0 (0)	0.00 (0)	11	14	24	34	47	51	26	14
	-500 (-2.54)	0.04 (10)	10	14	24	34	47	51	25	15
	-1000 (-5.08)	0.16 (40)	11	15	25	35	47	51	25	15
	-1500 (-7.62)	0.36 (90)	11	15	25	35	47	52	25	14
	-2000 (-10.16)	0.64 (160)	12	16	26	35	47	52	25	13
84 (2100)	+2000 (+10.16)	0.72 (178)	14	19	29	47	47	55	36	19
	+1500 (+7.62)	0.40 (100)	14	19	32	47	47	55	35	18
	+1000 (+5.08)	0.18 (45)	15	20	33	47	47	55	34	17
	+500 (+2.54)	0.04 (11)	16	21	34	47	47	55	34	16
	0 (0)	0.00 (0)	14	19	35	47	47	55	33	17
	-500 (-2.54)	0.04 (11)	13	18	35	47	47	55	31	17
	-1000 (-5.08)	0.18 (45)	14	19	37	47	47	55	31	16
	-1500 (-7.62)	0.40 (100)	14	19	37	47	47	55	31	16
	-2000 (-10.16)	0.72 (178)	16	21	38	47	47	55	32	14
108 (2700)	+2000 (+10.16)	0.79 (197)	20	27	38	47	47	55	44	22
	+1500 (+7.62)	0.45 (111)	20	27	42	47	47	55	43	20
	+1000 (+5.08)	0.20 (49)	22	29	44	47	47	55	41	18
	+500 (+2.54)	0.05 (12)	23	31	45	47	47	55	41	17
	0 (0)	0.00 (0)	17	23	46	47	47	55	40	19
	-500 (-2.54)	0.05 (12)	17	22	47	47	47	55	37	18
	-1000 (-5.08)	0.20 (49)	18	24	49	47	47	55	37	18
	-1500 (-7.62)	0.45 (111)	17	24	49	47	47	55	37	17
	-2000 (-10.16)	0.79 (197)	19	25	50	47	47	55	39	15

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	1000 fpm	1500 fpm	2000 fpm
36 (900)	0.04 (9)	0.14 (35)	0.32 (79)	0.57 (141)
60 (1500)	0.04 (10)	0.16 (40)	0.36 (90)	0.64 (160)
84 (2100)	0.04 (11)	0.18 (45)	0.40 (100)	0.72 (178)
108 (2700)	0.05 (12)	0.20 (49)	0.45 (111)	0.79 (197)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		1	2	3	4	5	6	7	8
All Lengths	+2000 (+10.16)	76	68	66	62	57	57	58	55
	+1500 (+7.62)	69	58	57	54	50	49	48	46
	+1000 (+5.08)	59	44	44	44	40	39	34	34
	+500 (+2.54)	41	20	21	26	24	22	12	13
	-500 (-2.54)	48	40	37	34	33	16	19	12
	-1000 (-5.08)	64	56	56	53	51	42	45	34
	-1500 (-7.62)	73	65	67	64	62	58	59	53
	-2000 (-10.16)	79	72	74	71	69	69	70	66

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CHTX Series

Performance Data - Model CHTX/12A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	12	24-120
Metric	300	600-3000

Insertion Loss

Length Inches (mm))	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+6000 (+30.48)	0.79 (197)	8	10	13	17	25	19	15	10
	+4000 (+20.32)	0.35 (87)	8	11	13	18	25	19	15	11
	+2000 (+10.16)	0.09 (22)	8	11	14	19	25	18	14	11
	+1000 (+5.08)	0.02 (5)	9	12	15	19	25	18	14	11
	0 (0)	0.00 (0)	9	12	15	20	25	18	14	11
	-1000 (-5.08)	0.02 (5)	9	12	16	20	25	18	14	11
	-2000 (-10.16)	0.09 (22)	10	13	16	20	25	18	13	10
	-4000 (-20.32)	0.35 (87)	10	14	17	21	25	17	12	7
	-6000 (-30.48)	0.79 (197)	11	14	17	21	26	16	11	6
60 (1500)	+6000 (+30.48)	1.61 (402)	9	12	23	31	37	29	21	15
	+4000 (+20.32)	0.72 (179)	10	13	23	32	37	28	21	16
	+2000 (+10.16)	0.18 (45)	10	13	24	34	37	28	20	16
	+1000 (+5.08)	0.04 (11)	10	13	24	34	37	28	19	15
	0 (0)	0.00 (0)	11	14	25	35	37	27	18	15
	-1000 (-5.08)	0.04 (11)	11	14	25	35	38	27	18	14
	-2000 (-10.16)	0.18 (45)	12	14	25	36	37	27	17	12
	-4000 (-20.32)	0.72(179)	13	16	26	37	37	25	16	10
	-6000 (-30.48)	1.61 (402)	14	16	26	37	37	25	15	8
84 (2100)	+6000 (+30.48)	2.44 (607)	11	14	34	45	47	39	27	21
	+4000 (+20.32)	1.08 (270)	11	15	33	46	47	38	27	21
	+2000 (+10.16)	0.27 (67)	11	15	33	47	47	38	26	20
	+1000 (+5.08)	0.07 (17)	12	15	34	47	47	37	25	20
	0 (0)	0.00 (0)	13	15	34	47	47	36	23	19
	-1000 (-5.08)	0.07 (17)	14	16	35	47	47	36	22	17
	-2000 (-10.16)	0.27 (67)	15	16	35	47	47	35	22	15
	-4000 (-20.32)	1.08 (270)	16	18	35	47	47	34	20	12
	-6000 (-30.48)	2.44 (607)	18	18	34	47	47	34	19	11
108 (2700)	+6000 (+30.48)	3.26 (812)	12	16	41	47	47	49	34	26
	+4000 (+20.32)	1.45 (361)	12	16	41	47	47	48	33	25
	+2000 (+10.16)	0.36 (90)	13	17	41	47	47	48	32	25
	+1000 (+5.08)	0.09 (23)	13	17	41	47	47	47	31	24
	0 (0)	0.00 (0)	14	16	41	47	47	45	28	22
	-1000 (-5.08)	0.09 (23)	16	18	41	47	47	45	26	20
	-2000 (-10.16)	0.36 (90)	17	17	41	47	47	44	26	18
	-4000 (-20.32)	1.45 (361)	19	20	41	47	47	43	24	14
	-6000 (-30.48)	3.26 (812)	22	19	41	47	47	43	24	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.02 (5)	0.09 (22)	0.35 (87)	0.79 (197)
60 (1500)	0.04 (11)	0.18 (45)	0.72 (179)	1.61 (402)
84 (2100)	0.07 (17)	0.27 (67)	1.08 (270)	2.44 (607)
108 (2700)	0.09 (23)	0.36 (90)	1.45 (361)	3.26 (812)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		1	2	3	4	5	6	7	8
All Lengths	+6000 (+30.48)	70	61	60	56	51	51	51	49
	+4000 (+20.32)	60	47	47	45	41	41	38	36
	+2000 (+10.16)	43	24	24	27	25	23	14	16
	+1000 (+5.08)	25	10	10	10	10	10	10	10
	-1000 (-5.08)	33	25	20	18	17	10	10	10
	-2000 (-10.16)	49	41	39	36	35	20	23	10
	-4000 (-20.32)	64	57	58	55	53	47	48	40
	-6000 (-30.48)	74	66	68	66	63	62	63	58

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 0.80 ft^2.
6. The performance data above is based on a 12 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CHTX Series

Performance Data - Model CHTX/24A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	24	24-120
Metric	600	600-3000

Insertion Loss

Length Inches (mm))	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+6000 (+30.48)	0.33 (83)	4	5	6	11	14	9	7	6
	+4000 (+20.32)	0.15 (37)	5	6	6	12	15	9	8	7
	+2000 (+10.16)	0.04 (9)	5	7	7	13	15	10	8	7
	+1000 (+5.08)	0.01 (2)	5	7	7	13	15	10	8	7
	0 (0)	0.00 (0)	6	8	7	13	15	10	8	7
	-1000 (-5.08)	0.01 (2)	6	8	7	13	15	10	8	6
	-2000 (-10.16)	0.04 (9)	6	9	8	14	15	11	9	7
	-4000 (-20.32)	0.15 (37)	6	9	8	14	16	12	10	9
	-6000 (-30.48)	0.33 (83)	7	10	9	15	16	13	11	9
60 (1500)	+6000 (+30.48)	0.32 (79)	7	9	10	17	19	12	10	8
	+4000 (+20.32)	0.14 (35)	7	10	11	18	19	12	10	9
	+2000 (+10.16)	0.04 (9)	8	10	12	20	19	12	11	10
	+1000 (+5.08)	0.01 (2)	8	11	13	20	19	12	12	10
	0 (0)	0.00 (0)	8	11	13	20	19	12	12	10
	-1000 (-5.08)	0.01 (2)	9	12	14	21	19	12	11	9
	-2000 (-10.16)	0.04 (9)	9	12	14	21	19	13	12	10
	-4000 (-20.32)	0.14 (35)	10	13	15	22	19	14	13	11
	-6000 (-30.48)	0.32 (79)	11	14	15	23	19	15	13	11
84 (2100)	+6000 (+30.48)	0.30 (75)	9	12	15	23	24	15	12	10
	+4000 (+20.32)	0.13 (33)	10	13	16	25	23	15	13	11
	+2000 (+10.16)	0.03 (8)	11	14	18	26	23	15	14	13
	+1000 (+5.08)	0.01 (2)	11	15	18	27	23	15	15	13
	0 (0)	0.00 (0)	11	15	19	28	23	15	15	14
	-1000 (-5.08)	0.01 (2)	12	16	20	28	23	15	14	11
	-2000 (-10.16)	0.03 (8)	12	16	20	29	23	15	15	12
	-4000 (-20.32)	0.13 (33)	13	17	21	29	22	16	15	13
	-6000 (-30.48)	0.30 (75)	14	18	22	30	22	17	15	12
108 (2700)	+6000 (+30.48)	0.28 (71)	12	16	20	29	29	17	15	12
	+4000 (+20.32)	0.13 (31)	12	17	21	31	28	17	16	13
	+2000 (+10.16)	0.03 (8)	14	18	23	33	27	18	18	15
	+1000 (+5.08)	0.01 (2)	14	19	24	34	28	18	18	16
	0 (0)	0.00 (0)	14	18	26	35	27	18	18	17
	-1000 (-5.08)	0.01 (2)	15	19	26	35	27	17	17	14
	-2000 (-10.16)	0.03 (8)	15	20	26	36	26	18	18	15
	-4000 (-20.32)	0.13 (31)	16	22	28	36	25	19	17	15
	-6000 (-30.48)	0.28 (71)	17	23	29	37	25	18	17	13

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.04 (9)	0.15 (37)	0.33 (83)
60 (1500)	0.01 (2)	0.04 (9)	0.14 (35)	0.32 (79)
84 (2100)	0.01 (2)	0.03 (8)	0.13 (33)	0.30 (75)
108 (2700)	0.01 (2)	0.03 (8)	0.13 (31)	0.28 (71)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		1	2	3	4	5	6	7	8
All Lengths	+6000 (+30.48)	72	63	62	58	53	53	53	51
	+4000 (+20.32)	62	49	49	47	43	43	40	38
	+2000 (+10.16)	45	26	26	29	27	25	16	18
	+1000 (+5.08)	27	10	10	11	11	10	10	10
	-1000 (-5.08)	35	27	22	20	19	10	10	10
	-2000 (-10.16)	51	43	41	38	37	22	25	10
	-4000 (-20.32)	66	59	60	57	55	49	50	42
	-6000 (-30.48)	76	68	70	68	65	64	65	60

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 3.14 ft^2.
6. The performance data above is based on a 24 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CHTX Series

Performance Data - Model CHTX/36A

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Connection Diameter	Silencer Length
Imperial	36	36-120
Metric	900	900-3000

Insertion Loss

Length Inches (mm))	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 1	2	3	4	5	6	7	8
			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+6000 (+30.48)	0.33 (83)	3	4	4	7	7	4	3	2
	+4000 (+20.32)	0.15 (37)	3	4	4	7	7	4	3	1
	+2000 (+10.16)	0.04 (9)	3	4	4	7	7	4	2	1
	+1000 (+5.08)	0.01 (2)	3	4	4	8	7	4	2	1
	0 (0)	0.00 (0)	4	5	5	7	7	3	2	1
	-1000 (-5.08)	0.01 (2)	4	5	5	8	7	4	3	2
	-2000 (-10.16)	0.04 (9)	4	5	5	8	6	4	3	2
	-4000 (-20.32)	0.15 (37)	4	5	5	8	6	4	3	2
	-6000 (-30.48)	0.33 (83)	4	5	5	8	6	4	3	2
60 (1500)	+6000 (+30.48)	0.32 (79)	6	7	7	13	11	7	6	4
	+4000 (+20.32)	0.14 (35)	6	8	8	13	11	7	6	4
	+2000 (+10.16)	0.04 (9)	6	8	8	13	11	7	6	4
	+1000 (+5.08)	0.01 (2)	6	8	8	14	11	7	6	4
	0 (0)	0.00 (0)	6	8	8	14	11	7	6	4
	-1000 (-5.08)	0.01 (2)	6	8	8	14	10	7	6	4
	-2000 (-10.16)	0.04 (9)	6	8	8	13	10	8	7	5
	-4000 (-20.32)	0.14 (35)	6	9	8	14	10	8	6	4
	-6000 (-30.48)	0.32 (79)	6	9	8	14	10	8	6	4
84 (2100)	+6000 (+30.48)	0.30 (75)	8	11	11	19	15	11	10	7
	+4000 (+20.32)	0.13 (33)	8	11	11	19	15	11	10	7
	+2000 (+10.16)	0.03 (8)	8	11	11	20	15	11	10	7
	+1000 (+5.08)	0.01 (2)	8	11	11	20	15	11	10	7
	0 (0)	0.00 (0)	9	12	11	20	15	11	10	8
	-1000 (-5.08)	0.01 (2)	9	12	12	19	14	11	10	7
	-2000 (-10.16)	0.03 (8)	9	12	12	19	14	11	10	7
	-4000 (-20.32)	0.13 (33)	9	12	12	19	13	11	10	7
	-6000 (-30.48)	0.30 (75)	9	12	12	19	13	11	10	7
108 (2700)	+6000 (+30.48)	0.28 (71)	10	14	14	25	19	14	14	9
	+4000 (+20.32)	0.13 (31)	11	15	14	25	19	14	14	9
	+2000 (+10.16)	0.03 (8)	11	14	15	26	19	14	14	9
	+1000 (+5.08)	0.01 (2)	11	15	15	26	19	14	14	10
	0 (0)	0.00 (0)	11	15	14	26	19	15	14	11
	-1000 (-5.08)	0.01 (2)	11	15	16	25	18	14	13	9
	-2000 (-10.16)	0.03 (8)	11	15	16	25	17	15	14	9
	-4000 (-20.32)	0.13 (31)	12	16	16	25	17	14	13	9
	-6000 (-30.48)	0.28 (71)	12	16	16	25	17	14	13	9

Pressure Drop

Length Inches (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	2000 fpm	4000 fpm	6000 fpm
36 (900)	0.01 (2)	0.01 (3)	0.06 (14)	0.12 (31)
60 (1500)	0.01 (2)	0.02 (4)	0.07 (17)	0.15 (37)
84 (2100)	0.01 (2)	0.02 (5)	0.08 (19)	0.17 (43)
108 (2700)	0.01 (1)	0.02 (5)	0.09 (22)	0.20 (49)

Generated Noise

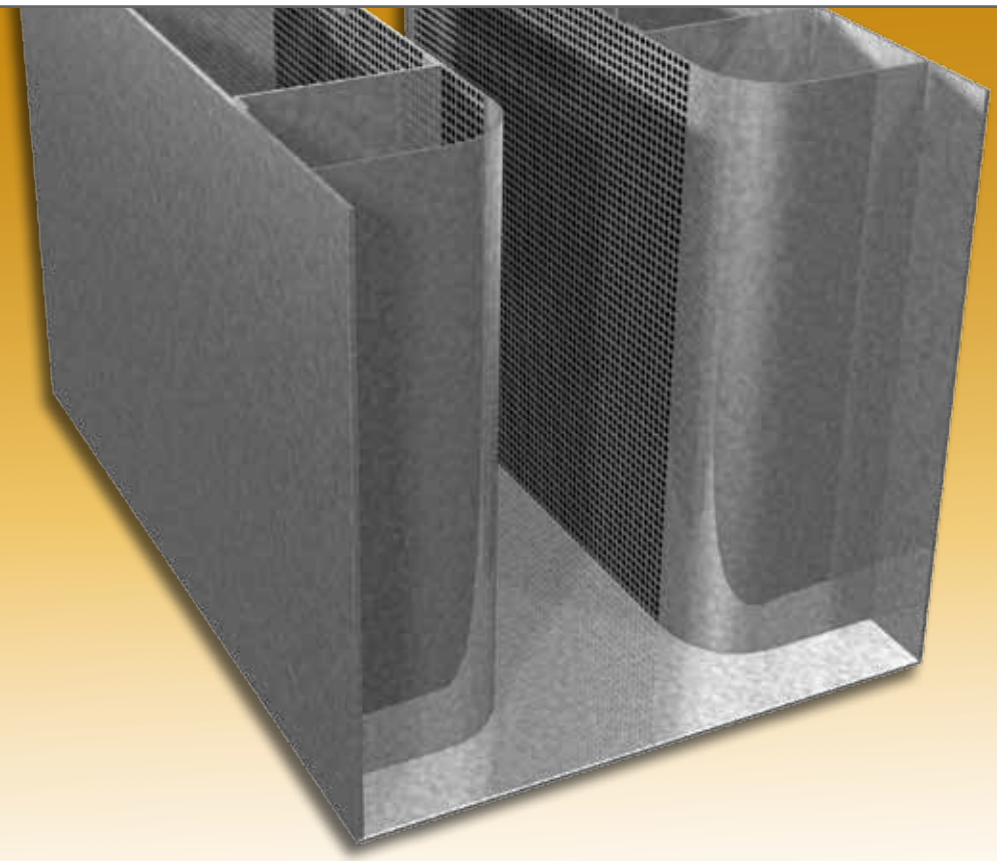
Length	Face Velocity fpm (m/s)	Generated Noise Levels (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
		1	2	3	4	5	6	7	8
All Lengths	+6000 (+30.48)	74	65	64	60	55	55	55	53
	+4000 (+20.32)	64	51	51	49	45	45	42	40
	+2000 (+10.16)	47	28	28	31	29	27	18	20
	+1000 (+5.08)	29	12	12	13	13	12	12	12
	-1000 (-5.08)	37	29	24	22	21	12	12	12
	-2000 (-10.16)	53	45	43	40	39	24	27	12
	-4000 (-20.32)	68	61	62	59	57	51	52	44
	-6000 (-30.48)	78	70	72	70	67	66	67	62

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss greater than 55 dB is required.
5. Generated noise data is based on a face area of 7.07 ft^2.
6. The performance data above is based on a 36 in. diameter component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

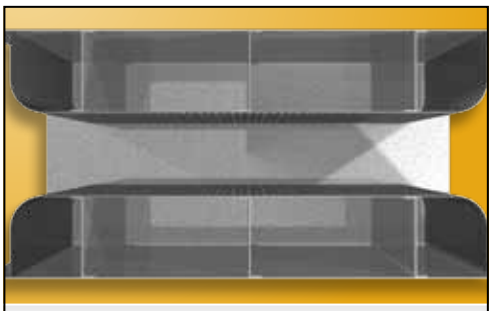


Rectangular

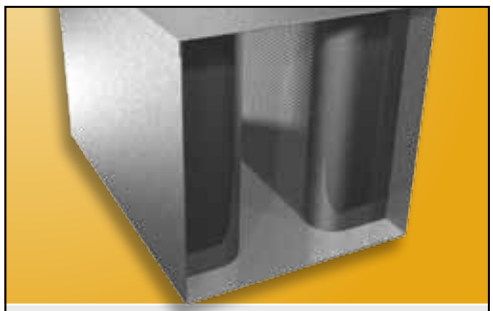
PACKLESS SILENCERS

Developed to provide a solution to undesirable noise in applications such as hospitals, laboratories and clean rooms requiring an environment free of acoustic media. The specially designed perforated liners and tuned resonator chambers have been optimized to provide excellent sound attenuation ideal for wash-down and high contaminant systems.

Designed to provide maximum attenuation without the use of acoustic media.



Finely tuned cavity to attenuate noise



All steel construction contains no acoustic media

Ideal for critical environments

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Product Information

Models

Rectangular Silencers
Packless Rectangular Medium Velocity
PRM

Price Packless Rectangular Silencers are designed to provide solutions to HVAC noise control applications where fibrous acoustic material is not permitted in the air stream. The aerodynamically designed internal geometry maximizes attenuation and limits added pressure drop. The Price line of available standard sizes offers excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and the application.

Features

- No acoustic media eliminates the possibility of fibers entering the air stream.
- No absorptive material provides ability to sanitize the silencer.
- All steel construction allows for applications where corrosive gasses are present.
- Optimized inlet geometry for reduced pressure drops.
- Engineered internal geometries to minimize turbulence.
- 2 in. slip connection on both ends.

PRM Silencers

Price PRM packless silencers are designed to provide low pressure drops in medium velocity applications, but depending on the application, may be used in low or high velocity systems. This medium velocity configuration provides high levels of insertion loss across the targeted range of frequencies, and the tapered tail arrangement allows for static regain to minimize the pressure drop. This configuration is best suited for applications with velocities of 2000 fpm or less.

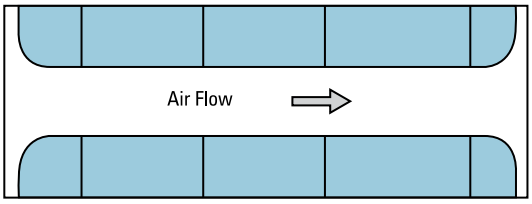
Please contact your local Price sales rep for high velocity or high pressure systems.

Recommended Air Velocity Range

Price recommends that silencers are selected within the following duct velocity range:

Model	Description	Air Velocity Range (fpm)
PRM	Medium Velocity Silencer	0 - 2000

PRM - Rectangular Medium Velocity



PRM60/6B

- Air Velocity: M - Medium Velocity
- Length: Range from 36" - 108"
- Module Factor:
  1 - 12"-13"
  2 - 14"-16"
  3 - 17"-18"
  4 - 19"-20"
  5 - 21"-22"
  6 - 23"-24"
  7 - 25"-26"
  8 - 27"-28"
  9 - 29"-30"
- Pressure/Attenuation Code: Range From B - F

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price packless rectangular silencers consist of solid metal casing and minimum 26 gauge perforated metal liner. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Components

Rectangular silencers that exceed a width of 48 inches or a height of 48 inches will be built in multiple components that are field assembled (by others) into a bank that matches the duct dimensions.

Dimensional Data

Price packless rectangular silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

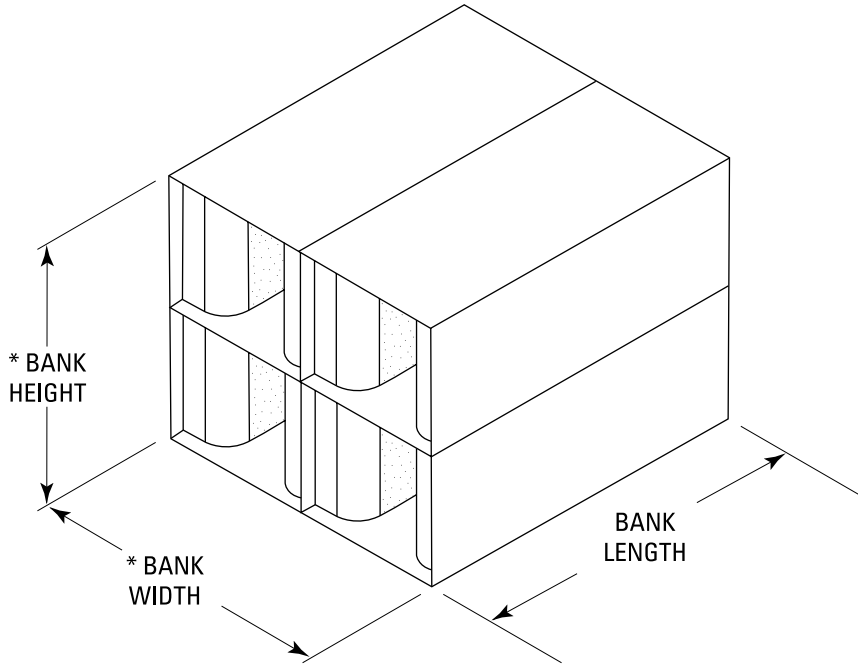
- Paint
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Drainage Plugs
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material that is designed for applications where High Sound Transmission Losses is required to prevent unwanted noise from breaking out of the silencer casing.



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Bank Width		Bank Height		Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	240	6	144	36	108	6	48	6	48

- All dimensions are in inches
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.

© Copyright Price Industries Limited 2014.

Performance Data - Model PRM/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-108
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.20 (49)	2	1	4	11	12	8	6	4
	+1250 (+6.35)	0.10 (25)	2	2	4	10	11	7	6	3
	+750 (+3.81)	0.04 (10)	2	1	3	10	11	7	6	3
	+375 (+1.91)	0.01 (2)	3	2	3	10	11	7	6	3
	0 (0)	0.00 (0)	3	2	3	10	11	8	6	4
	-375 (-1.91)	0.01 (2)	3	2	4	11	11	8	7	4
	-750 (-3.81)	0.04 (10)	3	2	4	11	11	8	6	3
	-1250 (-6.35)	0.10 (25)	3	3	5	11	12	8	6	4
	-1750 (-8.89)	0.20 (49)	4	4	6	12	13	8	7	4
60 (1500)	+1750 (+8.89)	0.22 (55)	4	4	6	14	17	10	7	4
	+1250 (+6.35)	0.11 (28)	4	3	5	13	15	9	7	3
	+750 (+3.81)	0.04 (10)	5	3	4	12	14	9	7	3
	+375 (+1.91)	0.01 (3)	5	3	4	12	14	9	7	3
	0 (0)	0.00 (0)	4	3	4	12	14	9	7	3
	-375 (-1.91)	0.01 (3)	4	4	4	12	14	9	7	3
	-750 (-3.81)	0.04 (10)	5	4	5	13	15	10	7	2
	-1250 (-6.35)	0.11 (28)	6	5	7	14	16	10	7	3
	-1750 (-8.89)	0.22 (55)	7	6	8	15	18	11	7	3
84 (2100)	+1750 (+8.89)	0.25 (61)	5	4	8	15	18	9	7	7
	+1250 (+6.35)	0.14 (35)	5	5	6	14	16	8	7	7
	+750 (+3.81)	0.06 (15)	6	4	5	13	15	8	7	7
	+375 (+1.91)	0.02 (4)	6	4	5	12	15	8	7	7
	0 (0)	0.00 (0)	6	4	5	13	15	8	7	7
	-375 (-1.91)	0.02 (4)	6	4	5	13	15	8	7	6
	-750 (-3.81)	0.06 (15)	6	5	6	14	15	9	7	6
	-1250 (-6.35)	0.14 (35)	7	6	8	15	16	9	7	6
	-1750 (-8.89)	0.25 (61)	8	7	10	16	18	9	7	7
108 (2700)	+1750 (+8.89)	0.28 (69)	9	6	10	18	22	11	8	8
	+1250 (+6.35)	0.19 (46)	9	6	8	17	20	10	8	8
	+750 (+3.81)	0.06 (15)	9	5	6	15	19	10	8	7
	+375 (+1.91)	0.01 (3)	9	4	6	16	19	11	9	7
	0 (0)	0.00 (0)	9	4	5	15	19	10	8	6
	-375 (-1.91)	0.01 (3)	9	4	5	15	18	10	8	5
	-750 (-3.81)	0.06 (15)	10	5	7	17	20	11	9	6
	-1250 (-6.35)	0.19 (46)	11	7	10	18	21	12	9	6
	-1750 (-8.89)	0.28 (69)	12	8	13	19	23	12	8	6

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (2)	0.04 (10)	0.10 (25)	0.20 (49)
60 (1500)	0.01 (3)	0.04 (10)	0.11 (28)	0.22 (55)
84 (2100)	0.02 (4)	0.06 (15)	0.14 (35)	0.25 (61)
108 (2700)	0.01 (3)	0.06 (15)	0.19 (46)	0.28 (69)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	56	43	40	43	50	54	52	44
	+1250 (+6.35)	44	32	30	35	45	47	40	30
	+750 (+3.81)	26	20	15	24	38	37	22	10
	+375 (+1.91)	25	20	15	15	28	22	10	10
	-375 (-1.91)	25	20	15	15	28	22	10	10
	-750 (-3.81)	34	20	29	56	42	43	29	10
	-1250 (-6.35)	44	25	36	44	48	51	45	29
	-1750 (-8.89)	50	34	41	47	52	57	55	43

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PRM/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width												Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240		6-144	36-108
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000		150-3600	900-2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.40 (100)	2	3	8	14	17	9	7	7
	+1250 (+6.35)	0.20 (50)	2	3	7	13	15	8	7	7
	+750 (+3.81)	0.07 (17)	3	3	6	13	13	7	7	7
	+375 (+1.91)	0.02 (4)	3	2	5	12	12	7	6	7
	0 (0)	0.00 (0)	3	3	6	13	12	7	6	7
	-375 (-1.91)	0.02 (4)	3	3	6	13	12	7	7	7
	-750 (-3.81)	0.07 (17)	4	4	7	14	13	7	7	7
	-1250 (-6.35)	0.20 (50)	5	5	9	15	15	8	7	7
	-1750 (-8.89)	0.40 (100)	5	6	11	16	17	9	7	8
60 (1500)	+1750 (+8.89)	0.45 (113)	4	4	11	18	20	12	9	7
	+1250 (+6.35)	0.23 (57)	5	4	10	17	18	11	9	7
	+750 (+3.81)	0.08 (21)	5	4	9	15	16	10	9	7
	+375 (+1.91)	0.02 (6)	5	4	7	14	15	10	9	7
	0 (0)	0.00 (0)	5	4	7	15	15	10	9	7
	-375 (-1.91)	0.02 (6)	5	5	8	16	15	10	9	7
	-750 (-3.81)	0.08 (21)	6	6	10	17	17	11	8	5
	-1250 (-6.35)	0.23 (57)	7	8	13	19	19	12	8	6
	-1750 (-8.89)	0.45 (113)	8	8	15	21	22	13	8	6
84 (2100)	+1750 (+8.89)	0.50 (126)	7	7	14	22	25	14	11	12
	+1250 (+6.35)	0.26 (65)	8	7	13	20	22	12	11	12
	+750 (+3.81)	0.10 (24)	8	6	11	18	19	12	11	12
	+375 (+1.91)	0.03 (7)	8	6	9	17	17	12	11	13
	0 (0)	0.00 (0)	8	6	9	18	18	13	12	14
	-375 (-1.91)	0.03 (7)	9	7	10	18	19	13	12	14
	-750 (-3.81)	0.10 (24)	10	9	14	20	21	13	11	13
	-1250 (-6.35)	0.26 (65)	12	10	17	22	24	14	11	13
	-1750 (-8.89)	0.50 (126)	13	11	20	25	27	16	11	13
108 (2700)	+1750 (+8.89)	0.56 (139)	11	9	18	23	28	14	10	8
	+1250 (+6.35)	0.29 (72)	10	8	16	21	24	12	10	7
	+750 (+3.81)	0.11 (28)	10	7	12	19	20	11	9	6
	+375 (+1.91)	0.03 (8)	9	5	10	18	20	11	9	6
	0 (0)	0.00 (0)	9	5	9	18	20	12	9	5
	-375 (-1.91)	0.03 (8)	10	6	10	18	20	12	9	6
	-750 (-3.81)	0.11 (28)	11	7	14	21	22	14	10	7
	-1250 (-6.35)	0.29 (72)	14	10	19	22	24	13	8	4
	-1750 (-8.89)	0.56 (139)	16	12	23	24	27	15	7	4

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (4)	0.07 (17)	0.20 (50)	0.40 (100)
60 (1500)	0.02 (6)	0.08 (21)	0.23 (57)	0.45 (113)
84 (2100)	0.03 (7)	0.10 (24)	0.26 (65)	0.50 (126)
108 (2700)	0.03 (8)	0.11 (28)	0.29 (72)	0.56 (139)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	66	53	49	50	54	60	62	55
	+1250 (+6.35)	54	42	39	42	49	53	50	42
	+750 (+3.81)	36	25	23	30	42	42	32	21
	+375 (+1.91)	25	20	15	15	32	28	10	10
	-375 (-1.91)	25	20	15	15	32	28	10	10
	-750 (-3.81)	40	20	33	42	45	48	38	19
	-1250 (-6.35)	50	33	40	47	51	56	54	41
	-1750 (-8.89)	56	42	45	50	55	62	64	55

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PRM/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-108
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	1.30 (323)	4	4	11	15	18	14	10	10
	+1250 (+6.35)	0.66 (164)	4	5	11	14	18	13	9	9
	+750 (+3.81)	0.25 (61)	4	5	10	13	17	11	9	9
	+375 (+1.91)	0.06 (15)	3	4	9	12	15	10	9	9
	0 (0)	0.00 (0)	3	4	8	12	15	9	9	9
	-375 (-1.91)	0.06 (15)	4	5	9	12	15	10	8	9
	-750 (-3.81)	0.25 (61)	6	6	12	14	17	11	8	9
	-1250 (-6.35)	0.66 (164)	8	8	13	15	18	12	8	9
	-1750 (-8.89)	1.30 (323)	9	9	15	16	18	12	8	9
60 (1500)	+1750 (+8.89)	1.52 (377)	7	7	18	22	31	22	15	8
	+1250 (+6.35)	0.76 (188)	6	7	17	22	30	20	13	8
	+750 (+3.81)	0.28 (69)	7	6	16	20	27	17	12	8
	+375 (+1.91)	0.07 (17)	7	6	13	18	23	15	13	8
	0 (0)	0.00 (0)	6	5	12	19	23	16	13	7
	-375 (-1.91)	0.07 (17)	7	7	14	19	24	16	12	7
	-750 (-3.81)	0.28 (69)	9	9	18	22	27	17	12	6
	-1250 (-6.35)	0.76 (188)	14	11	21	24	30	19	11	5
	-1750 (-8.89)	1.52 (377)	15	14	24	26	31	21	11	6
84 (2100)	+1750 (+8.89)	1.73 (430)	10	9	21	25	33	22	14	12
	+1250 (+6.35)	0.86 (213)	8	9	19	23	30	18	13	12
	+750 (+3.81)	0.31 (77)	8	8	17	21	26	15	13	12
	+375 (+1.91)	0.08 (20)	8	7	14	19	24	15	13	12
	0 (0)	0.00 (0)	8	7	14	19	23	15	13	11
	-375 (-1.91)	0.08 (20)	9	8	15	20	24	16	13	12
	-750 (-3.81)	0.31 (77)	10	10	19	23	26	16	13	12
	-1250 (-6.35)	0.86 (213)	14	13	23	26	31	18	12	10
	-1750 (-8.89)	1.73 (430)	20	16	27	29	35	21	12	10
108 (2700)	+1750 (+8.89)	1.95 (484)	13	12	24	28	36	25	17	14
	+1250 (+6.35)	0.95 (237)	13	11	22	26	33	21	16	15
	+750 (+3.81)	0.34 (85)	13	10	19	23	29	18	16	14
	+375 (+1.91)	0.09 (22)	12	8	16	20	26	17	15	14
	0 (0)	0.00 (0)	12	8	15	21	27	18	15	13
	-375 (-1.91)	0.09 (22)	13	9	17	21	27	18	15	11
	-750 (-3.81)	0.34 (85)	15	12	22	24	29	18	15	12
	-1250 (-6.35)	0.95 (237)	16	16	27	28	34	21	14	11
	-1750 (-8.89)	1.95 (484)	20	19	30	32	37	26	13	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (15)	0.25 (61)	0.66 (164)	1.30 (323)
60 (1500)	0.07 (17)	0.28 (69)	0.76 (188)	1.52 (377)
84 (2100)	0.08 (20)	0.31 (77)	0.86 (213)	1.73 (430)
108 (2700)	0.09 (22)	0.34 (85)	0.95 (237)	1.95 (484)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	80	66	62	59	60	68	77	71
	+1250 (+6.35)	68	55	52	51	55	61	65	58
	+750 (+3.81)	50	38	35	40	48	51	47	37
	+375 (+1.91)	26	20	15	24	38	37	22	10
	-375 (-1.91)	26	20	15	24	38	37	22	10
	-750 (-3.81)	48	30	39	46	50	54	51	36
	-1250 (-6.35)	57	44	46	50	56	63	67	58
	-1750 (-8.89)	64	54	50	54	60	69	77	72

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PRM/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69-72	92-96	115-120	138-144	161-168	184-192	207-216	230-240	6-144	36-108
Metric	300	575-600	1150-1200	1725-1800	2300-2400	2875-3000	3450-3600	4025-4200	4600-4800	5175-5400	5750-6000	150-3600	900-2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.14 (34)	2	2	6	11	7	4	4	5
	+1250 (+6.35)	0.07 (17)	2	2	5	11	6	4	3	5
	+750 (+3.81)	0.03 (7)	3	2	5	11	6	4	3	5
	+375 (+1.91)	0.01 (3)	3	2	4	10	6	4	3	5
	0 (0)	0.00 (0)	3	3	5	11	6	4	3	5
	-375 (-1.91)	0.01 (3)	3	3	5	11	5	4	3	5
	-750 (-3.81)	0.03 (7)	3	3	6	11	6	4	4	5
	-1250 (-6.35)	0.07 (17)	4	3	6	11	6	4	4	5
	-1750 (-8.89)	0.14 (34)	5	4	7	11	6	4	4	6
60 (1500)	+1750 (+8.89)	0.16 (39)	4	4	8	17	10	8	5	1
	+1250 (+6.35)	0.08 (21)	4	3	8	16	9	8	5	1
	+750 (+3.81)	0.03 (8)	4	3	7	15	9	8	5	1
	+375 (+1.91)	0.01 (2)	4	3	7	15	8	8	5	1
	0 (0)	0.00 (0)	5	4	7	15	9	8	5	1
	-375 (-1.91)	0.01 (2)	5	4	7	15	9	8	5	1
	-750 (-3.81)	0.03 (8)	6	5	8	16	10	8	6	1
	-1250 (-6.35)	0.08 (21)	6	6	9	17	10	8	6	1
	-1750 (-8.89)	0.16 (39)	6	6	10	17	12	8	6	1
84 (2100)	+1750 (+8.89)	0.22 (54)	5	6	10	19	10	8	6	8
	+1250 (+6.35)	0.10 (25)	5	6	9	18	9	7	7	8
	+750 (+3.81)	0.04 (10)	5	6	8	17	8	7	7	9
	+375 (+1.91)	0.01 (2)	6	6	7	16	8	7	7	9
	0 (0)	0.00 (0)	5	6	8	17	9	8	8	10
	-375 (-1.91)	0.01 (2)	5	6	8	17	9	8	8	10
	-750 (-3.81)	0.04 (10)	6	7	10	18	9	8	8	10
	-1250 (-6.35)	0.10 (25)	7	8	11	19	10	8	8	9
	-1750 (-8.89)	0.22 (54)	8	9	13	20	12	8	8	10
108 (2700)	+1750 (+8.89)	0.24 (59)	7	8	12	20	10	8	6	7
	+1250 (+6.35)	0.12 (30)	7	7	11	18	9	7	6	7
	+750 (+3.81)	0.05 (11)	6	6	9	16	8	7	6	6
	+375 (+1.91)	0.01 (3)	7	6	8	16	8	7	6	6
	0 (0)	0.00 (0)	7	6	8	17	9	7	6	5
	-375 (-1.91)	0.01 (3)	8	6	8	17	9	7	6	5
	-750 (-3.81)	0.05 (11)	8	7	9	17	8	7	6	5
	-1250 (-6.35)	0.12 (30)	9	8	11	19	9	7	6	5
	-1750 (-8.89)	0.24 (59)	10	9	14	22	12	8	7	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.03 (7)	0.07 (17)	0.14 (34)
60 (1500)	0.01 (2)	0.03 (8)	0.08 (21)	0.16 (39)
84 (2100)	0.01 (2)	0.04 (10)	0.10 (25)	0.22 (54)
108 (2700)	0.01 (3)	0.05 (11)	0.12 (30)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	56	43	40	43	50	54	52	44
	+1250 (+6.35)	44	32	30	35	45	47	40	30
	+750 (+3.81)	26	16	15	24	38	37	22	10
	+375 (+1.91)	25	20	15	15	28	22	10	10
	-375 (-1.91)	25	20	15	15	28	22	10	10
	-750 (-3.81)	34	20	29	39	42	43	29	10
	-1250 (-6.35)	44	25	36	44	48	51	45	29
	-1750 (-8.89)	50	34	41	47	52	57	55	43

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PRM/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69-72	92-96	115-120	138-144	161-168	184-192	207-216	230-240	6-144	36-108
Metric	300	575-600	1150-1200	1725-1800	2300-2400	2875-3000	3450-3600	4025-4200	4600-4800	5175-5400	5750-6000	150-3600	900-2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.27 (68)	3	4	9	13	9	6	5	7
	+1250 (+6.35)	0.14 (36)	3	4	9	14	8	6	5	7
	+750 (+3.81)	0.05 (14)	3	4	8	14	7	5	5	7
	+375 (+1.91)	0.01 (3)	3	3	7	13	7	5	4	7
	0 (0)	0.00 (0)	3	4	8	13	7	5	4	6
	-375 (-1.91)	0.01 (3)	3	4	8	13	7	5	4	6
	-750 (-3.81)	0.05 (14)	4	5	9	14	8	6	5	6
	-1250 (-6.35)	0.14 (36)	5	5	10	14	9	6	6	7
	-1750 (-8.89)	0.27 (68)	6	6	11	14	9	7	6	7
60 (1500)	+1750 (+8.89)	0.38 (94)	5	6	12	21	13	11	6	2
	+1250 (+6.35)	0.20 (49)	5	6	11	20	12	10	6	2
	+750 (+3.81)	0.08 (19)	5	6	11	19	11	10	6	1
	+375 (+1.91)	0.02 (5)	5	5	9	17	10	10	6	1
	0 (0)	0.00 (0)	5	5	9	18	11	10	6	1
	-375 (-1.91)	0.02 (5)	5	6	10	18	11	10	7	1
	-750 (-3.81)	0.08 (19)	6	7	12	20	12	11	8	3
	-1250 (-6.35)	0.20 (49)	8	8	14	21	13	12	9	3
	-1750 (-8.89)	0.38 (94)	10	9	16	22	15	13	9	3
84 (2100)	+1750 (+8.89)	0.41 (103)	9	7	16	25	12	10	7	6
	+1250 (+6.35)	0.22 (54)	9	7	14	23	11	9	7	6
	+750 (+3.81)	0.08 (21)	8	6	12	21	9	9	7	6
	+375 (+1.91)	0.03 (6)	9	6	11	20	9	8	6	5
	0 (0)	0.00 (0)	9	6	12	21	10	8	7	5
	-375 (-1.91)	0.03 (6)	9	7	12	21	10	8	7	5
	-750 (-3.81)	0.08 (21)	9	8	13	22	10	9	8	6
	-1250 (-6.35)	0.22 (54)	11	9	16	25	12	10	9	7
	-1750 (-8.89)	0.41 (103)	15	11	19	27	14	11	9	8
108 (2700)	+1750 (+8.89)	0.45 (112)	10	9	18	26	12	9	7	10
	+1250 (+6.35)	0.24 (60)	13	8	16	24	11	9	8	10
	+750 (+3.81)	0.09 (22)	13	7	13	20	9	8	7	9
	+375 (+1.91)	0.03 (7)	12	6	11	19	8	8	7	9
	0 (0)	0.00 (0)	12	5	10	19	9	7	6	6
	-375 (-1.91)	0.03 (7)	13	6	11	20	9	7	7	7
	-750 (-3.81)	0.09 (22)	15	8	14	21	9	8	8	7
	-1250 (-6.35)	0.24 (60)	14	10	18	24	11	10	8	8
	-1750 (-8.89)	0.45 (112)	18	12	21	26	13	10	8	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.01 (3)	0.05 (14)	0.14 (36)	0.27 (68)
60 (1500)	0.02 (5)	0.08 (19)	0.20 (49)	0.38 (94)
84 (2100)	0.03 (6)	0.08 (21)	0.22 (54)	0.41 (103)
108 (2700)	0.03 (7)	0.09 (22)	0.24 (60)	0.45 (112)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	66	53	49	50	54	60	62	55
	+1250 (+6.35)	54	42	39	42	49	53	50	42
	+750 (+3.81)	36	25	23	30	42	42	32	21
	+375 (+1.91)	25	20	15	15	32	28	10	10
	-375 (-1.91)	25	20	15	15	32	28	10	10
	-750 (-3.81)	40	20	33	42	45	48	38	19
	-1250 (-6.35)	50	33	40	47	51	56	54	41
	-1750 (-8.89)	56	42	45	50	55	62	64	55

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PRM/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width											Duct Height	Silencer Length
Imperial	12	23-24	46-48	69-72	92-96	115-120	138-144	161-168	184-192	207-216	230-240	6-144	36-108
Metric	300	575-600	1150-1200	1725-1800	2300-2400	2875-3000	3450-3600	4025-4200	4600-4800	5175-5400	5750-6000	150-3600	900-2700

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.96 (240)	5	5	13	16	11	9	7	8
	+1250 (+6.35)	0.51 (127)	5	5	13	17	11	9	7	8
	+750 (+3.81)	0.18 (45)	5	5	13	17	11	8	6	8
	+375 (+1.91)	0.04 (11)	5	4	12	15	10	7	6	7
	0 (0)	0.00 (0)	5	5	12	15	10	7	6	7
	-375 (-1.91)	0.04 (11)	5	5	13	16	9	8	8	8
	-750 (-3.81)	0.18 (45)	7	7	15	17	10	9	9	8
	-1250 (-6.35)	0.51 (127)	9	8	16	18	12	9	8	8
	-1750 (-8.89)	0.96 (240)	10	9	17	18	14	8	8	9
60 (1500)	+1750 (+8.89)	1.26 (314)	8	8	20	27	15	13	11	10
	+1250 (+6.35)	0.66 (164)	9	9	20	27	14	12	11	10
	+750 (+3.81)	0.24 (59)	9	8	19	26	13	11	10	10
	+375 (+1.91)	0.06 (15)	9	7	16	23	11	10	10	9
	0 (0)	0.00 (0)	9	6	15	22	11	10	10	9
	-375 (-1.91)	0.06 (15)	9	7	17	24	11	10	10	10
	-750 (-3.81)	0.24 (59)	11	10	20	28	13	12	11	10
	-1250 (-6.35)	0.66 (164)	12	11	23	29	16	12	9	9
	-1750 (-8.89)	1.26 (314)	14	14	24	29	18	12	10	10
84 (2100)	+1750 (+8.89)	1.37 (341)	12	9	24	30	19	15	9	9
	+1250 (+6.35)	0.72 (180)	12	9	22	29	17	13	8	9
	+750 (+3.81)	0.27 (66)	12	8	19	25	15	11	9	9
	+375 (+1.91)	0.07 (16)	13	7	17	22	13	11	8	9
	0 (0)	0.00 (0)	12	7	17	23	14	11	9	8
	-375 (-1.91)	0.07 (16)	12	8	18	24	14	12	11	10
	-750 (-3.81)	0.27 (66)	13	10	20	27	15	13	11	10
	-1250 (-6.35)	0.72 (180)	17	13	25	31	18	12	8	8
	-1750 (-8.89)	1.37 (341)	20	15	28	33	22	13	9	8
108 (2700)	+1750 (+8.89)	1.48 (367)	15	11	27	33	22	17	11	10
	+1250 (+6.35)	0.79 (196)	16	11	25	31	20	14	10	11
	+750 (+3.81)	0.29 (73)	17	9	22	27	17	13	10	11
	+375 (+1.91)	0.07 (18)	16	8	19	24	15	12	10	10
	0 (0)	0.00 (0)	15	8	19	26	16	13	10	9
	-375 (-1.91)	0.07 (18)	16	9	20	26	16	13	13	11
	-750 (-3.81)	0.29 (73)	17	11	24	30	18	15	13	11
	-1250 (-6.35)	0.79 (196)	20	15	28	34	21	15	11	9
	-1750 (-8.89)	1.48 (367)	21	18	31	36	23	16	11	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (11)	0.18 (45)	0.51 (127)	0.96 (240)
60 (1500)	0.06 (15)	0.24 (59)	0.66 (164)	1.26 (314)
84 (2100)	0.07 (16)	0.27 (66)	0.72 (180)	1.37 (341)
108 (2700)	0.07 (18)	0.29 (73)	0.79 (196)	1.48 (367)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	80	66	62	59	60	68	77	71
	+1250 (+6.35)	68	55	52	51	55	61	65	58
	+750 (+3.81)	50	38	35	40	48	51	47	37
	+375 (+1.91)	26	20	15	24	38	37	22	10
	-375 (-1.91)	26	20	15	24	38	37	22	10
	-750 (-3.81)	48	30	39	46	50	54	51	36
	-1250 (-6.35)	57	44	46	50	56	63	67	58
	-1750 (-8.89)	64	54	50	54	60	69	77	72

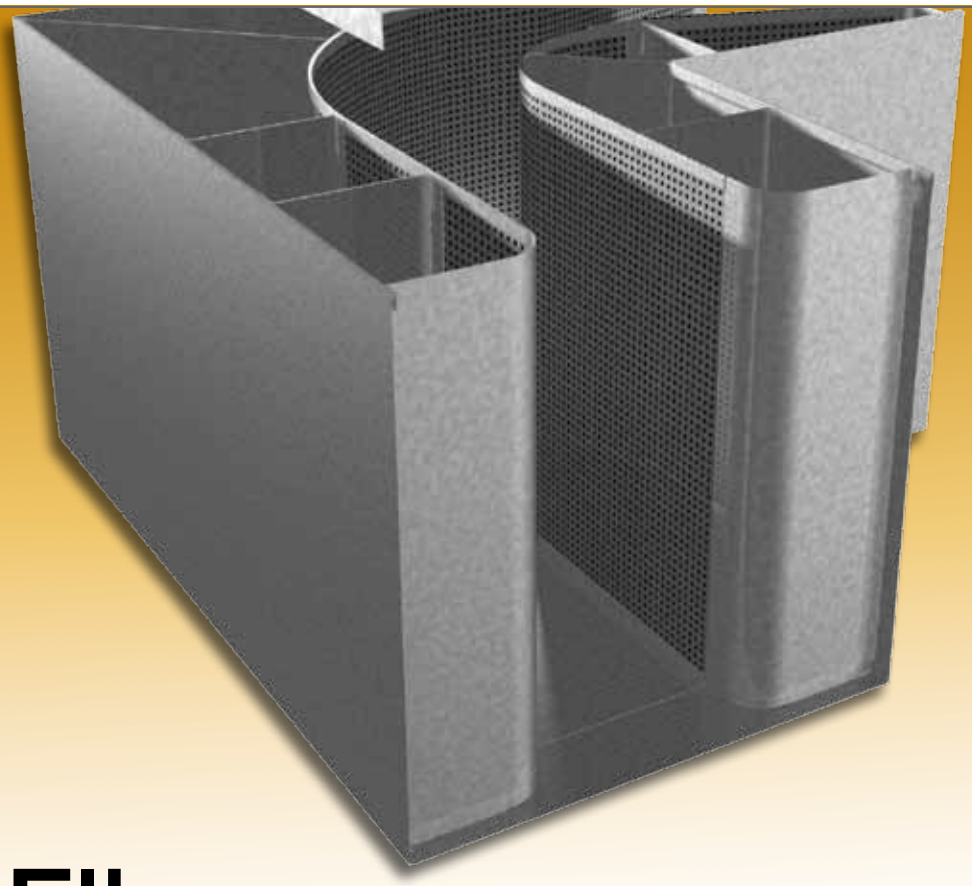
Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

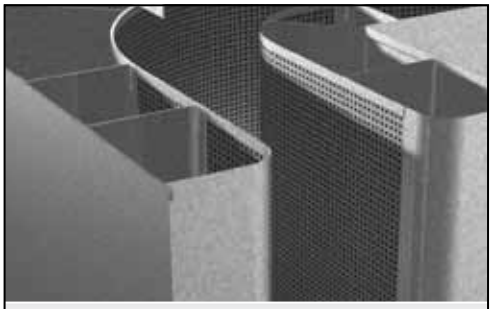


Elbow

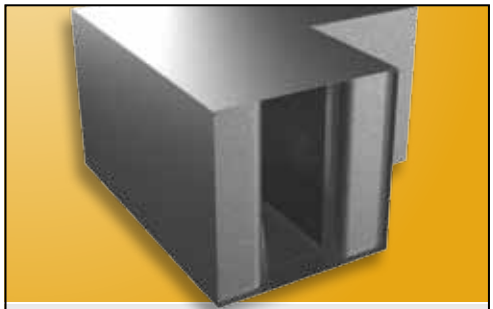
PACKLESS SILENCERS

Designed to provide noise control solutions to short runs of ductwork where fibrous acoustic material is not permitted in the air stream. Typical applications include laboratories, clean rooms, hospitals, computer rooms, and more. The internal geometry's smooth radius allows low to medium velocity air to flow through with minimal system pressure drop.

Optimized internal geometry provides reliable performance for critical environments with limited space.



Finely tuned cavity attenuates noise



Eliminates the possibility of fibers entering the air stream

All-Steel construction for applications where corrosives are present

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Product Information

Models

Elbow Silencers

Packless Elbow Medium Velocity **PERM**

Price Packless Elbow Silencers are designed to provide solutions to HVAC noise control applications with short runs of ductwork where fibrous acoustic material is not permitted in the air stream. The smooth radius of the internal geometry allows low to medium velocity air to flow through with minimal system pressure drop. The Price line of available standard sizes offers excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and application.

Features

- No acoustic media eliminates the possibility of fibers entering the air stream.
- No absorptive material provides ability to sanitize the silencer.
- All steel construction allows for applications where corrosive gasses are present.
- Optimized inlet radius minimizes turbulent flow and reduces pressure drop.
- Engineered internal geometry maximizes static regain and increases attenuation.
- 2 in. slip connection on both ends.

PERM Silencers

Price PERM packless silencers are designed to provide low pressure drops in low to medium velocity applications, but depending on the application may be used in high velocity applications. This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the sloped tail arrangement allows for static regain for improved pressure drop. This configuration is best suited for applications with duct velocities of 2500 fpm or less.

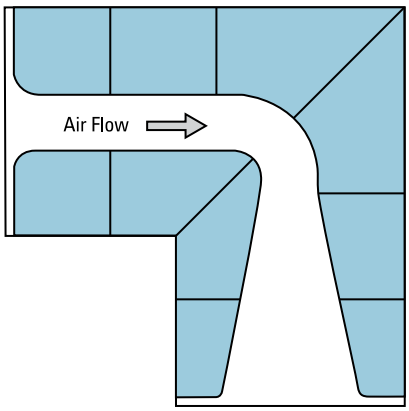
Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity range:

Model	Description	Air Velocity Range (fpm)
PERM	Medium Velocity Silencer	0-2500*

* Price PERM silencers are designed for a large range of velocities.

PERM - Rectangular Medium Velocity



PERM60/6B

- Air Velocity: M - Medium Velocity
- Performance Length: Range from 36" - 108"
- Module Factor:
  - 1 - 12" - 13.99"
  - 2 - 14" - 16.99"
  - 3 - 17" - 18.99"
  - 4 - 19" - 20.99"
  - 5 - 21" - 22.99"
  - 6 - 23" - 24.99"
  - 7 - 25" - 26.99"
  - 8 - 27" - 28.99"
  - 9 - 29" - 30"
- P.A. Code: Range From B - F

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price packless elbow silencers consist of a solid metal casing and minimum 26 gauge perforated metal liner. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Components

Elbow silencers that exceed a width of 59 inches or a height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensions

Price packless elbow silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

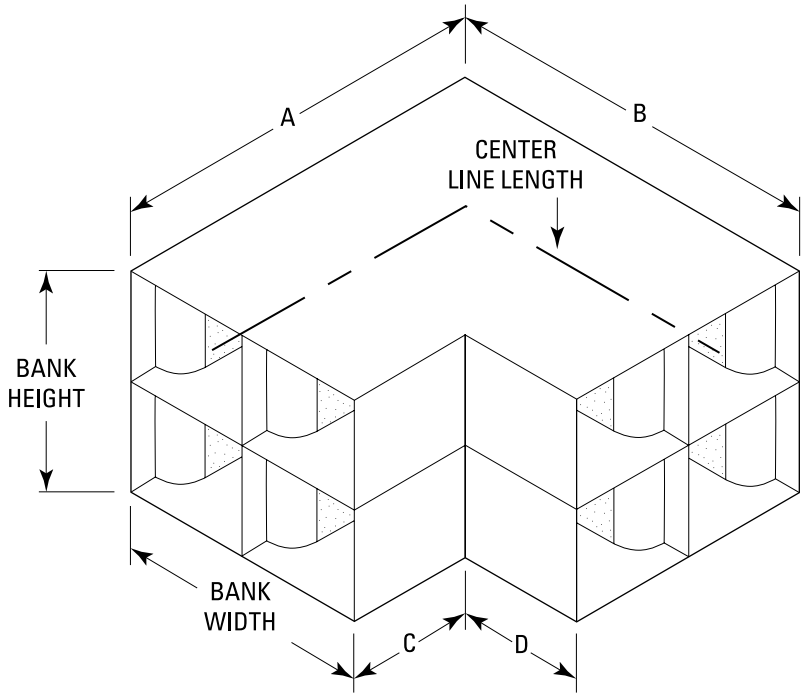
- Paint
- Fiberglass Cloth
- Flanges
- Slip & Drive Connections
- Factory Assembled Silencer Banks
- Access Doors
- Transitions
- Mounting Feet
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options.

Transmission Loss

Construction		Transmission Loss							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
HTL1**	16	28	29	31	33	36	39	42	42
HTL2**	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Duct Width		Duct Height		Center Line Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
12	76	6	108	36	120	12	59	6	48

Leg A		Leg B		Leg C		Leg D	
Min	Max	Min	Max	Min	Max	Min	Max
18	96	24	102	6	96	12	102

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PERM/1B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	12-13	24-26	6 - 120	36 - 120
Metric	300-325	600-650	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.32 (79)	4	6	14	20	20	16	10	9
	+1250 (+6.35)	0.18 (45)	4	4	14	19	20	14	10	8
	+750 (+3.81)	0.07 (18)	4	4	13	17	17	12	10	8
	+375 (+1.91)	0.02 (5)	3	3	11	17	15	12	9	7
	0 (0)	0.00 (0)	5	2	10	15	13	9	7	7
	-375 (-1.91)	0.02 (5)	5	1	10	16	14	10	7	6
	-750 (-3.81)	0.07 (18)	6	3	11	18	16	11	8	7
	-1250 (-6.35)	0.18 (45)	5	5	13	19	20	12	8	7
	-1750 (-8.89)	0.32 (79)	2	4	15	21	22	13	8	8
60 (1500)	+1750 (+8.89)	0.41 (101)	5	7	15	22	22	17	12	10
	+1250 (+6.35)	0.22 (54)	5	5	15	21	21	15	12	9
	+750 (+3.81)	0.09 (22)	5	5	14	19	18	13	11	9
	+375 (+1.91)	0.02 (6)	4	4	12	18	17	13	11	9
	0 (0)	0.00 (0)	6	3	11	16	15	11	8	8
	-375 (-1.91)	0.02 (6)	6	2	11	18	16	11	8	8
	-750 (-3.81)	0.09 (22)	7	4	12	20	18	12	9	8
	-1250 (-6.35)	0.22 (54)	6	6	14	21	21	14	9	8
	-1750 (-8.89)	0.41 (101)	4	6	16	23	23	14	9	9
84 (2100)	+1750 (+8.89)	0.49 (123)	7	9	18	26	25	19	14	12
	+1250 (+6.35)	0.25 (62)	8	7	18	25	25	18	15	12
	+750 (+3.81)	0.10 (25)	7	6	16	22	22	16	14	11
	+375 (+1.91)	0.03 (7)	7	5	14	21	21	16	13	11
	0 (0)	0.00 (0)	7	4	13	18	20	14	11	10
	-375 (-1.91)	0.03 (7)	7	5	13	20	20	14	11	10
	-750 (-3.81)	0.10 (25)	9	6	15	23	23	15	11	10
	-1250 (-6.35)	0.25 (62)	8	8	17	26	24	17	12	10
	-1750 (-8.89)	0.49 (123)	7	10	20	27	25	17	12	10
108 (2700)	+1750 (+8.89)	0.58 (145)	9	11	21	30	29	20	17	15
	+1250 (+6.35)	0.29 (71)	11	9	20	29	29	22	17	14
	+750 (+3.81)	0.12 (29)	10	8	18	26	26	19	17	13
	+375 (+1.91)	0.03 (8)	9	7	16	23	24	19	16	13
	0 (0)	0.00 (0)	9	5	15	21	24	17	14	12
	-375 (-1.91)	0.03 (8)	9	7	16	23	25	18	14	12
	-750 (-3.81)	0.12 (29)	12	9	17	26	27	18	14	12
	-1250 (-6.35)	0.29 (71)	10	10	20	30	26	20	14	12
	-1750 (-8.89)	0.58 (145)	10	13	23	31	26	19	14	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (5)	0.07 (18)	0.18 (45)	0.32 (79)
60 (1500)	0.02 (6)	0.09 (22)	0.22 (54)	0.41 (101)
84 (2100)	0.03 (7)	0.10 (25)	0.25 (62)	0.49 (123)
108 (2700)	0.03 (8)	0.12 (29)	0.29 (71)	0.58 (145)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	70	56	51	50	52	61	60	54
	+1250 (+6.35)	59	44	41	44	46	50	50	40
	+750 (+3.81)	42	26	27	34	37	34	34	20
	+375 (+1.91)	25	20	15	20	25	11	13	10
	-375 (-1.91)	28	20	16	23	22	13	12	10
	-750 (-3.81)	44	26	30	35	36	33	33	21
	-1250 (-6.35)	56	42	40	43	46	47	49	40
	-1750 (-8.89)	64	52	47	49	52	57	59	52

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PERM/1D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	12-13	24-26	6 - 120	36 - 120
Metric	300-325	600-650	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.85 (212)	6	7	16	22	23	17	11	9
	+1250 (+6.35)	0.47 (116)	7	7	16	21	22	14	10	8
	+750 (+3.81)	0.17 (43)	6	6	14	20	19	13	10	8
	+375 (+1.91)	0.05 (11)	5	4	12	18	17	12	9	8
	0 (0)	0.00 (0)	7	4	12	17	15	11	9	8
	-375 (-1.91)	0.05 (11)	7	4	12	19	16	12	9	8
	-750 (-3.81)	0.17 (43)	8	6	14	21	18	13	10	9
	-1250 (-6.35)	0.47 (116)	8	7	17	22	22	14	9	9
	-1750 (-8.89)	0.85 (212)	7	7	18	24	23	16	10	9
60 (1500)	+1750 (+8.89)	0.85 (212)	7	8	18	24	24	18	12	10
	+1250 (+6.35)	0.47 (116)	8	8	17	23	24	16	11	10
	+750 (+3.81)	0.17 (43)	8	7	15	21	21	14	11	10
	+375 (+1.91)	0.05 (11)	7	5	14	19	19	13	10	9
	0 (0)	0.00 (0)	7	4	13	18	18	13	10	10
	-375 (-1.91)	0.05 (11)	8	5	14	20	18	13	10	9
	-750 (-3.81)	0.17 (43)	9	7	16	22	20	14	11	10
	-1250 (-6.35)	0.47 (116)	9	8	18	24	23	16	11	9
	-1750 (-8.89)	0.85 (212)	9	9	20	26	24	17	11	10
84 (2100)	+1750 (+8.89)	0.85 (212)	10	10	20	28	28	20	14	13
	+1250 (+6.35)	0.47 (116)	11	10	20	27	27	19	14	12
	+750 (+3.81)	0.17 (43)	10	8	18	25	24	17	14	12
	+375 (+1.91)	0.05 (11)	9	7	16	22	22	16	13	11
	0 (0)	0.00 (0)	9	6	15	21	22	16	13	12
	-375 (-1.91)	0.05 (11)	10	7	16	22	23	17	13	12
	-750 (-3.81)	0.17 (43)	11	9	18	25	25	17	13	11
	-1250 (-6.35)	0.47 (116)	11	11	21	29	26	19	13	11
	-1750 (-8.89)	0.85 (212)	12	13	23	30	26	20	14	11
108 (2700)	+1750 (+8.89)	0.85 (212)	13	12	23	32	31	22	17	15
	+1250 (+6.35)	0.47 (116)	14	12	22	31	31	22	17	15
	+750 (+3.81)	0.17 (43)	12	10	20	28	28	20	16	14
	+375 (+1.91)	0.05 (11)	12	9	18	24	26	19	16	14
	0 (0)	0.00 (0)	10	7	17	23	26	19	16	14
	-375 (-1.91)	0.05 (11)	11	9	18	25	27	20	16	14
	-750 (-3.81)	0.17 (43)	13	11	21	28	29	20	16	13
	-1250 (-6.35)	0.47 (116)	14	13	24	33	28	22	16	13
	-1750 (-8.89)	0.85 (212)	15	16	27	34	28	22	16	13

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (11)	0.17 (43)	0.47 (116)	0.85 (212)
60 (1500)	0.05 (11)	0.17 (43)	0.47 (116)	0.85 (212)
84 (2100)	0.05 (11)	0.17 (43)	0.47 (116)	0.85 (212)
108 (2700)	0.05 (11)	0.17 (43)	0.47 (116)	0.85 (212)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	79	65	59	56	57	70	69	65
	+1250 (+6.35)	68	54	49	49	51	59	59	52
	+750 (+3.81)	51	36	35	39	42	43	43	32
	+375 (+1.91)	28	20	16	26	30	21	22	10
	-375 (-1.91)	35	20	22	28	28	21	21	10
	-750 (-3.81)	51	35	36	40	41	41	42	31
	-1250 (-6.35)	63	50	46	48	51	55	58	50
	-1750 (-8.89)	71	61	53	54	58	65	68	62

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PERM/1F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	12-13	24-26	6 - 120	36 - 120
Metric	300-325	600-650	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	1.64 (408)	5	8	19	25	26	23	17	14
	+1250 (+6.35)	0.82 (203)	7	8	19	23	26	19	16	14
	+750 (+3.81)	0.31 (76)	6	8	19	21	23	17	15	13
	+375 (+1.91)	0.08 (20)	6	7	17	20	20	16	15	13
	0 (0)	0.00 (0)	8	7	16	19	19	15	14	12
	-375 (-1.91)	0.08 (20)	8	8	16	21	20	15	14	12
	-750 (-3.81)	0.31 (76)	9	10	19	23	21	16	15	13
	-1250 (-6.35)	0.82 (203)	9	11	21	23	25	17	14	13
	-1750 (-8.89)	1.64 (408)	8	11	22	25	26	18	15	13
60 (1500)	+1750 (+8.89)	1.70 (422)	6	9	20	27	28	24	18	15
	+1250 (+6.35)	0.85 (211)	8	9	20	25	28	21	17	15
	+750 (+3.81)	0.32 (80)	7	9	20	23	25	18	17	15
	+375 (+1.91)	0.09 (21)	7	8	18	21	22	17	16	14
	0 (0)	0.00 (0)	9	7	17	20	21	17	15	14
	-375 (-1.91)	0.09 (21)	9	9	18	22	22	17	15	13
	-750 (-3.81)	0.32 (80)	10	11	20	24	24	18	16	14
	-1250 (-6.35)	0.85 (211)	10	12	23	25	27	18	16	13
	-1750 (-8.89)	1.70 (422)	10	13	24	27	27	19	16	14
+1750 (+8.89)	1.75 (435)	9	11	23	31	31	26	20	18	
84 (2100)	+1250 (+6.35)	0.88 (219)	11	11	22	29	31	24	20	17
	+750 (+3.81)	0.34 (83)	10	11	22	26	28	21	20	17
	+375 (+1.91)	0.09 (22)	10	10	21	23	26	20	19	17
	0 (0)	0.00 (0)	10	9	19	22	25	20	18	16
	-375 (-1.91)	0.09 (22)	11	11	20	24	26	20	18	15
	-750 (-3.81)	0.34 (83)	12	13	22	27	28	20	19	16
	-1250 (-6.35)	0.88 (219)	12	15	26	30	29	21	18	15
	-1750 (-8.89)	1.75 (435)	13	17	28	31	29	22	19	16
108 (2700)	+1750 (+8.89)	1.81 (449)	12	13	25	35	34	28	23	20
	+1250 (+6.35)	0.92 (228)	14	13	25	33	35	27	23	20
	+750 (+3.81)	0.35 (87)	12	12	24	29	32	24	55	19
	+375 (+1.91)	0.09 (23)	12	12	23	26	29	23	55	19
	0 (0)	0.00 (0)	11	10	21	25	29	23	55	18
	-375 (-1.91)	0.09 (23)	12	13	22	27	30	23	55	18
	-750 (-3.81)	0.35 (87)	14	16	25	30	32	23	55	17
	-1250 (-6.35)	0.92 (228)	15	17	28	34	31	24	21	17
	-1750 (-8.89)	1.81 (449)	16	20	31	34	31	24	21	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.08 (20)	0.31 (76)	0.82 (203)	1.64 (408)
60 (1500)	0.09 (21)	0.32 (80)	0.85 (211)	1.70 (422)
84 (2100)	0.09 (22)	0.34 (83)	0.88 (219)	1.75 (435)
108 (2700)	0.09 (23)	0.35 (87)	0.92 (228)	1.81 (449)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	93	79	70	64	65	83	81	81
	+1250 (+6.35)	82	68	60	57	59	73	71	67
	+750 (+3.81)	65	50	46	47	50	56	55	47
	+375 (+1.91)	42	26	27	34	37	34	34	20
	-375 (-1.91)	44	26	30	35	36	33	33	21
	-750 (-3.81)	61	47	44	46	49	52	55	46
	-1250 (-6.35)	73	63	55	55	59	67	70	65
	-1750 (-8.89)	81	73	61	60	66	76	81	77

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PERM/6B

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	23-24	46-48	6 - 120	36 - 120
Metric	575-600	1150-1200	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.44 (110)	4	7	13	17	12	9	6	4
	+1250 (+6.35)	0.21 (53)	4	6	14	17	11	9	6	4
	+750 (+3.81)	0.08 (19)	3	5	14	16	10	8	6	4
	+375 (+1.91)	0.02 (6)	3	4	14	15	9	8	6	4
	0 (0)	0.00 (0)	4	4	15	14	9	6	4	4
	-375 (-1.91)	0.02 (6)	3	4	15	14	9	6	4	4
	-750 (-3.81)	0.08 (19)	6	5	15	15	9	6	3	3
	-1250 (-6.35)	0.21 (53)	5	5	14	16	11	7	4	4
	-1750 (-8.89)	0.44 (110)	4	6	14	16	12	8	4	4
60 (1500)	+1750 (+8.89)	0.46 (114)	6	8	15	20	14	10	7	5
	+1250 (+6.35)	0.23 (56)	5	7	16	20	12	10	7	5
	+750 (+3.81)	0.08 (21)	5	6	15	19	10	9	7	5
	+375 (+1.91)	0.03 (6)	5	5	15	18	10	9	7	5
	0 (0)	0.00 (0)	6	5	15	17	9	8	5	5
	-375 (-1.91)	0.03 (6)	5	5	15	17	9	8	5	5
	-750 (-3.81)	0.08 (21)	7	6	15	18	10	8	5	4
	-1250 (-6.35)	0.23 (56)	7	6	16	19	12	8	5	5
	-1750 (-8.89)	0.46 (114)	6	7	16	19	14	9	5	5
84 (2100)	+1750 (+8.89)	0.49 (122)	8	9	18	26	16	13	10	7
	+1250 (+6.35)	0.25 (63)	8	8	18	26	14	13	10	7
	+750 (+3.81)	0.10 (24)	9	7	18	24	12	12	9	7
	+375 (+1.91)	0.03 (7)	9	6	17	23	11	12	10	7
	0 (0)	0.00 (0)	9	6	17	22	11	10	7	6
	-375 (-1.91)	0.03 (7)	8	6	17	22	11	10	7	6
	-750 (-3.81)	0.10 (24)	10	7	17	23	12	10	7	6
	-1250 (-6.35)	0.25 (63)	10	8	18	25	14	11	8	6
	-1750 (-8.89)	0.49 (122)	10	10	20	26	17	11	8	7
108 (2700)	+1750 (+8.89)	0.52 (129)	11	11	22	33	19	16	12	9
	+1250 (+6.35)	0.28 (70)	11	9	21	32	17	16	12	9
	+750 (+3.81)	0.11 (28)	13	8	20	29	14	14	12	8
	+375 (+1.91)	0.03 (7)	12	8	18	29	13	14	12	9
	0 (0)	0.00 (0)	13	8	18	27	12	12	10	7
	-375 (-1.91)	0.03 (7)	11	8	18	27	12	12	10	8
	-750 (-3.81)	0.11 (28)	12	9	19	28	13	13	10	7
	-1250 (-6.35)	0.28 (70)	14	10	21	31	16	14	10	8
	-1750 (-8.89)	0.52 (129)	14	12	24	32	20	14	10	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.02 (6)	0.08 (19)	0.21 (53)	0.44 (110)
60 (1500)	0.03 (6)	0.08 (21)	0.23 (56)	0.46 (114)
84 (2100)	0.03 (7)	0.10 (24)	0.25 (63)	0.49 (122)
108 (2700)	0.03 (7)	0.11 (28)	0.28 (70)	0.52 (129)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	70	56	51	50	52	61	60	54
	+1250 (+6.35)	59	44	41	44	46	50	50	40
	+750 (+3.81)	42	26	27	34	37	34	34	20
	+375 (+1.91)	25	20	15	20	25	11	13	10
	-375 (-1.91)	28	20	16	23	22	13	12	10
	-750 (-3.81)	44	26	30	35	36	33	33	21
	-1250 (-6.35)	56	42	40	43	46	47	49	40
	-1750 (-8.89)	64	52	47	49	52	57	59	52

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PERM/6D

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	23-24	46-48	6 - 120	36 - 120
Metric	575-600	1150-1200	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	1.22 (303)	6	8	15	18	14	11	6	5
	+1250 (+6.35)	0.59 (148)	7	9	16	20	13	9	6	5
	+750 (+3.81)	0.24 (59)	6	7	16	19	12	9	5	5
	+375 (+1.91)	0.06 (15)	5	6	16	17	11	9	5	5
	0 (0)	0.00 (0)	5	6	16	16	11	9	6	6
	-375 (-1.91)	0.06 (15)	6	6	17	16	11	9	6	5
	-750 (-3.81)	0.24 (59)	8	8	18	17	11	8	5	5
	-1250 (-6.35)	0.59 (148)	8	8	18	19	12	9	6	5
	-1750 (-8.89)	1.22 (303)	9	9	18	19	14	11	6	5
60 (1500)	+1750 (+8.89)	1.13 (280)	8	9	17	21	16	12	7	6
	+1250 (+6.35)	0.56 (139)	8	10	18	22	14	11	7	6
	+750 (+3.81)	0.22 (54)	8	8	17	21	12	10	7	6
	+375 (+1.91)	0.06 (14)	7	6	16	19	12	10	7	6
	0 (0)	0.00 (0)	7	6	17	19	12	10	7	6
	-375 (-1.91)	0.06 (14)	7	7	18	19	11	10	7	6
	-750 (-3.81)	0.22 (54)	9	9	19	20	12	10	7	6
	-1250 (-6.35)	0.56 (139)	10	9	20	22	14	10	7	6
	-1750 (-8.89)	1.13 (280)	11	10	20	22	15	12	7	6
84 (2100)	+1750 (+8.89)	0.94 (233)	11	11	21	28	19	15	10	8
	+1250 (+6.35)	0.48 (120)	11	11	21	28	17	14	9	8
	+750 (+3.81)	0.18 (46)	12	9	19	27	14	13	9	8
	+375 (+1.91)	0.05 (12)	11	8	18	25	13	12	9	7
	0 (0)	0.00 (0)	11	8	19	24	13	12	9	8
	-375 (-1.91)	0.05 (12)	10	9	19	24	13	12	9	8
	-750 (-3.81)	0.18 (46)	12	10	21	26	14	12	9	8
	-1250 (-6.35)	0.48 (120)	13	11	22	28	16	13	9	8
	-1750 (-8.89)	0.94 (233)	15	13	24	29	18	14	10	8
108 (2700)	+1750 (+8.89)	0.75 (187)	15	13	24	34	22	18	13	10
	+1250 (+6.35)	0.41 (101)	14	12	23	34	19	16	12	9
	+750 (+3.81)	0.15 (37)	15	11	21	32	16	15	12	9
	+375 (+1.91)	0.04 (10)	15	9	20	30	15	15	12	9
	0 (0)	0.00 (0)	15	9	20	29	14	14	12	9
	-375 (-1.91)	0.04 (10)	13	10	21	29	14	14	12	10
	-750 (-3.81)	0.15 (37)	14	11	22	31	15	15	12	9
	-1250 (-6.35)	0.41 (101)	17	13	25	34	18	16	12	9
	-1750 (-8.89)	0.75 (187)	19	16	28	35	21	17	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (15)	0.24 (59)	0.59 (148)	1.22 (303)
60 (1500)	0.06 (14)	0.22 (54)	0.56 (139)	1.13 (280)
84 (2100)	0.05 (12)	0.18 (46)	0.48 (120)	0.94 (233)
108 (2700)	0.04 (10)	0.15 (37)	0.41 (101)	0.75 (187)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	79	65	59	56	57	70	69	65
	+1250 (+6.35)	68	54	49	49	51	59	59	52
	+750 (+3.81)	51	36	35	39	42	43	43	32
	+375 (+1.91)	28	20	16	26	30	21	22	10
	-375 (-1.91)	35	20	22	28	28	21	21	10
	-750 (-3.81)	51	35	36	40	41	41	42	31
	-1250 (-6.35)	63	50	46	48	51	55	58	50
	-1750 (-8.89)	71	61	53	54	58	65	68	62

Generated Noise Corrections

Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PERM/6F

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths / Silencer Bank Width		Duct Height	Silencer Length
Imperial	23-24	46-48	6 - 120	36 - 120
Metric	575-600	1150-1200	150 - 3000	900 - 3000

*For this silencer model, the duct width dimensions must be within the silencer bank widths listed above.

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	2.22 (552)	5	9	18	21	18	16	12	10
	+1250 (+6.35)	1.12 (279)	7	10	19	21	17	14	11	10
	+750 (+3.81)	0.39 (97)	6	9	20	20	16	13	11	10
	+375 (+1.91)	0.10 (24)	6	9	20	18	14	12	11	10
	0 (0)	0.00 (0)	6	9	21	18	14	12	11	10
	-375 (-1.91)	0.10 (24)	7	10	21	18	14	12	11	9
	-750 (-3.81)	0.39 (97)	9	12	22	19	14	12	11	9
	-1250 (-6.35)	1.12 (279)	9	12	23	20	16	12	11	9
	-1750 (-8.89)	2.22 (552)	10	13	22	20	17	13	11	9
60 (1500)	+1750 (+8.89)	2.06 (512)	7	10	19	24	19	18	14	11
	+1250 (+6.35)	1.07 (267)	8	11	20	24	18	16	13	11
	+750 (+3.81)	0.40 (99)	8	10	21	23	16	14	13	11
	+375 (+1.91)	0.10 (25)	8	9	21	21	15	14	12	11
	0 (0)	0.00 (0)	8	10	21	21	15	13	12	10
	-375 (-1.91)	0.10 (25)	8	11	22	21	15	13	12	10
	-750 (-3.81)	0.40 (99)	10	13	23	22	15	13	12	10
	-1250 (-6.35)	1.07 (267)	11	13	24	23	17	13	12	10
	-1750 (-8.89)	2.06 (512)	12	14	24	23	18	14	12	10
84 (2100)	+1750 (+8.89)	1.91 (475)	10	12	23	31	22	21	16	13
	+1250 (+6.35)	0.99 (246)	11	12	23	30	21	18	15	13
	+750 (+3.81)	0.35 (87)	12	11	23	28	18	17	15	13
	+375 (+1.91)	0.09 (22)	12	11	23	26	16	16	15	13
	0 (0)	0.00 (0)	12	11	23	26	16	16	14	12
	-375 (-1.91)	0.09 (22)	11	12	23	26	16	15	15	12
	-750 (-3.81)	0.35 (87)	12	14	25	27	17	16	14	12
	-1250 (-6.35)	0.99 (246)	14	15	27	29	19	16	14	12
	-1750 (-8.89)	1.91 (475)	16	17	28	29	21	17	14	12
108 (2700)	+1750 (+8.89)	1.71 (424)	14	14	27	37	25	23	19	15
	+1250 (+6.35)	0.90 (224)	14	14	26	36	23	21	18	15
	+750 (+3.81)	0.33 (81)	15	13	26	33	20	19	18	14
	+375 (+1.91)	0.08 (21)	15	12	25	32	18	18	18	15
	0 (0)	0.00 (0)	16	13	24	31	17	18	17	13
	-375 (-1.91)	0.08 (21)	14	14	25	32	18	18	17	14
	-750 (-3.81)	0.33 (81)	15	16	27	33	19	18	17	13
	-1250 (-6.35)	0.90 (224)	18	17	30	35	21	19	17	13
	-1750 (-8.89)	1.71 (424)	20	19	32	36	24	19	17	14

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 375 fpm	750 fpm	1250 fpm	1750 fpm
36 (900)	0.10 (24)	0.39 (97)	1.12 (279)	2.22 (552)
60 (1500)	0.10 (25)	0.40 (99)	1.07 (267)	2.06 (512)
84 (2100)	0.09 (22)	0.35 (87)	0.99 (246)	1.91 (475)
108 (2700)	0.08 (21)	0.33 (81)	0.90 (224)	1.71 (424)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	93	79	70	64	65	83	81	81
	+1250 (+6.35)	82	68	60	57	59	73	71	67
	+750 (+3.81)	65	50	46	47	50	56	55	47
	+375 (+1.91)	42	26	27	34	37	34	34	20
	-375 (-1.91)	44	26	30	35	36	33	33	21
	-750 (-3.81)	61	47	44	46	49	52	55	46
	-1250 (-6.35)	73	63	55	55	59	67	70	65
	-1750 (-8.89)	81	73	61	60	66	76	81	77

Generated Noise Corrections

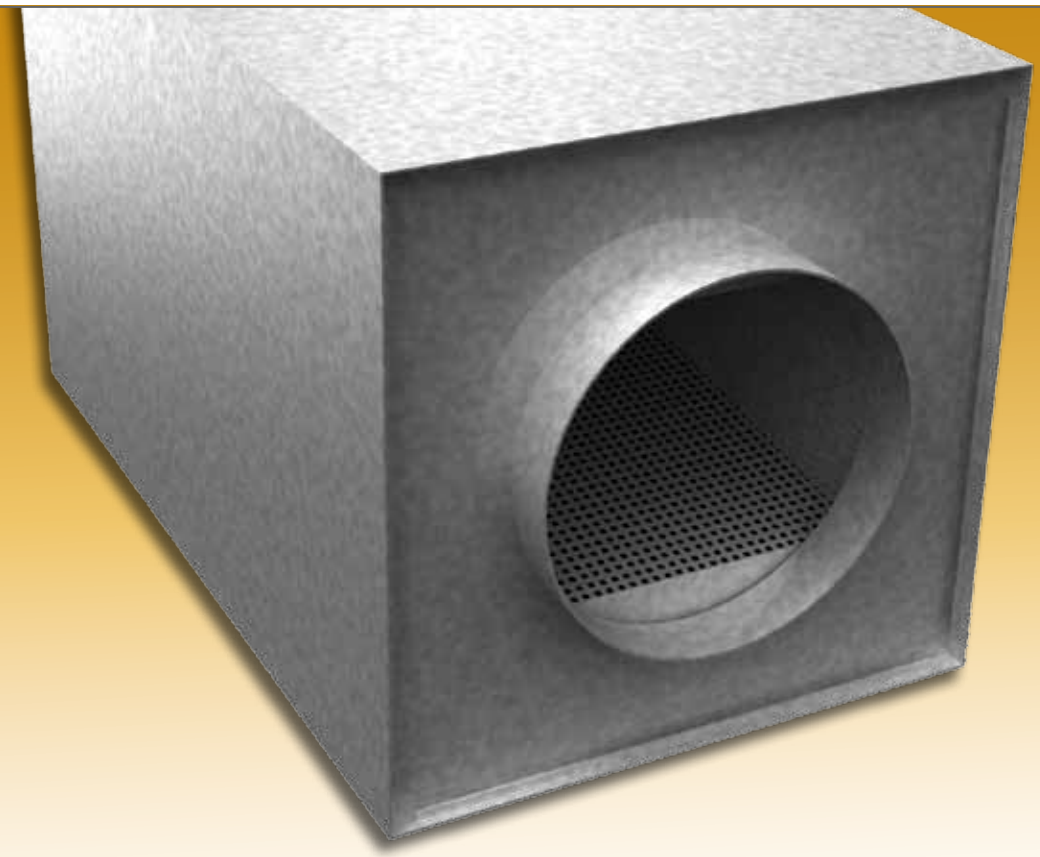
Silencer Face Area (ft^2)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction	-9	-6	-3	0	+3	+6	+9	+12	+15

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. The performance data above is based on a 24 x 24 component.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

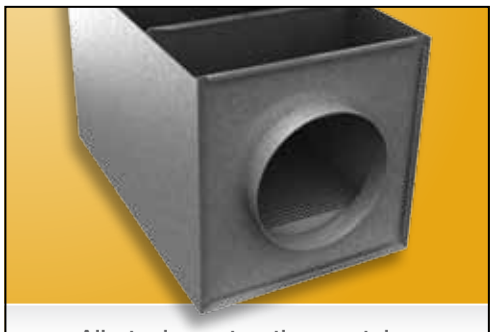


Circular

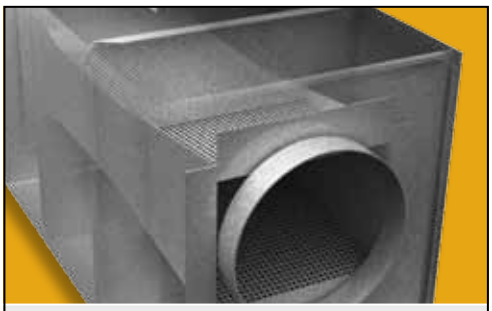
PACKLESS SILENCERS

The specially designed perforated liners and tuned resonator chambers have been optimized to provide excellent sound attenuation while eliminating the need for costly transitions. Typical applications include hospitals, laboratories, clean rooms, computer rooms, chemical plants, and more.

Ideal for attenuating noise in lab exhaust systems with circular ducts.



All-steel construction contains no acoustic media



Finely tuned Internal geometries

Ideal for applications where corrosive materials are present

NVLAP LAB CODE 200874-0

Please contact noisecontrol@priceindustries.com for more information.

Packless Circular Silencers
PCLS,PCLB,PCMS,PCMB, PCHS,PCHB Series

Product Information

Models

Circular Silencers

Packless Circular Low Velocity **PCL (S,B)**
Packless Circular Medium Velocity **PCM(S,B)**
Packless Circular High Velocity **PCH (S,B)**

Price Packless Circular Silencers

Are designed to provide solutions to HVAC noise control applications where fibrous acoustic material is not permitted in circular ductwork systems. The aerodynamically designed internal geometry optimizes attenuation and pressure drop performance. The Price line of available standard sizes offers excellent flexibility to ductwork design, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and the application.

Features

- Absorptive silencer alternative that eliminates the possibility of fibers entering the air stream or of contamination.
- Absence of media provides ability to sanitize the silencer.
- All steel construction allows for applications where corrosive gasses are present.
- Optimally tuned resonator chambers to provide maximum attenuation performance.
- Engineered internal geometries to minimize turbulence and reduce pressure drop.
- 2 in. slip connection on both ends.

PCL (S,B) Silencers

This low velocity configuration provides the highest insertion loss levels across the target range of frequencies, and the tapered tail arrangement allows for static regain to minimize pressure drop. This configuration is best suited for applications with velocities of 750 fpm or less.

PCM (S,B) Silencers

This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the tapered tail arrangement allows for static regain to minimize pressure drop. This configuration is best suited for applications with velocities of 1750 fpm or less.

PCH (S,B) Silencers

This high velocity configuration minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the targeted range of frequencies. The PCH silencer is best suited for applications where high air velocities cannot be avoided.

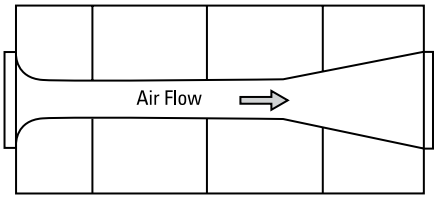
Please contact your local Price sales rep for high velocity or high pressure systems.

Recommended Air Velocity Ranges

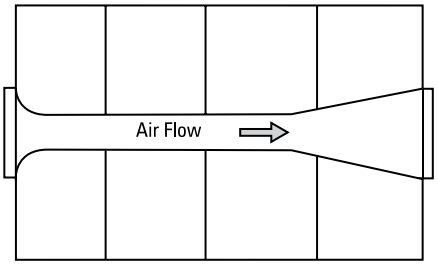
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
PCL (S,B)	Low Velocity Silencer	0 - 750
PCM (S,B)	Medium Velocity Silencer	0-1750
PCH (S,B)	High Velocity Silencer	0-2500

PCMS - Packless Circular Medium Velocity



PCMB – Packless Circular Medium Velocity



PCMS60/12

- Air Velocity
  - L - Low Velocity
  - M - Medium Velocity
  - H - HighVelocity
- S - 20″ x 20″ Casing
  B - 30″ x 30″ Casing
- Length
  Range from 36″ - 72″
- Duct Diameter
  - 6 - 6″
  - 8 – 8″
  - 10 – 10″
  - 12 – 12″
  - 14 – 14″
  - 16 – 16″

NOISE CONTROL

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Packless Circular Silencers
PCLS,PCLB,PCMS,PCMB, PCHS,PCHB Series

Product Information

Construction

Price packless circular silencers consist of solid metal casing, splitters and a minimum 26 gauge perforated metal liner. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Dimensional Data

Price packless circular silencers are built to match the duct dimensions, therefore the duct diameter, width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

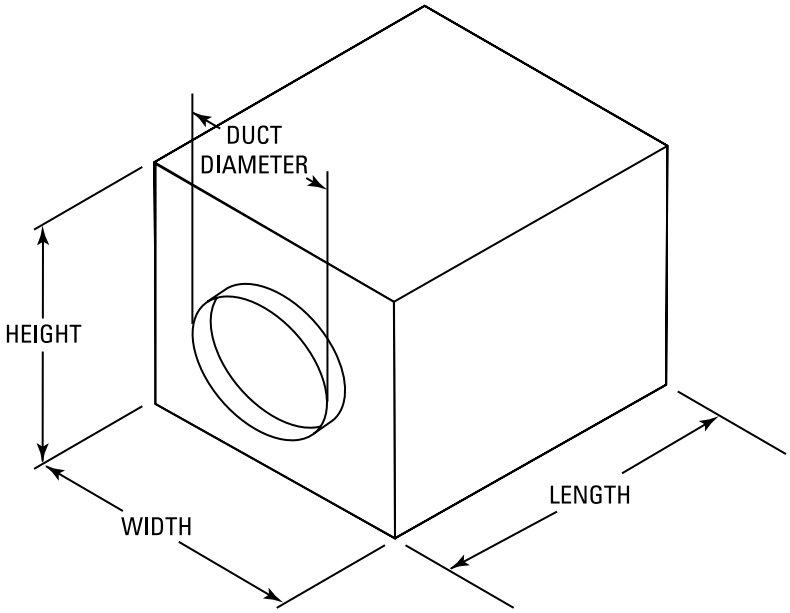
- Paint
- Flanges
- Access Doors
- Transitions
- Mounting Feet
- Drainage Plugs
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction		Transmission Loss (Rectangular Silencer)							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



Standard Dimension Limits

Model Type	Duct Diameter		Length		Width	Height
	Min	Max	Min	Max		
S	6	16	36	72	20	20
B	6	16	36	72	30	30

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLS/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	20	20	36-72
Metric	200	500	500	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.26 (64)	18	13	24	29	18	17	14	12
	+500 (+2.54)	0.12 (29)	18	11	21	27	17	16	14	11
	0 (0)	0.00 (0)	17	11	19	24	16	16	14	11
	-500 (-2.54)	0.12 (29)	18	13	24	27	16	16	13	11
	-750 (-3.81)	0.26 (64)	20	14	27	30	19	17	14	11
48 (1200)	+750 (+3.81)	0.28 (69)	22	16	28	33	20	19	17	14
	+500 (+2.54)	0.13 (31)	21	13	24	30	18	18	16	13
	0 (0)	0.00 (0)	19	13	20	26	18	18	16	13
	-500 (-2.54)	0.13 (31)	22	16	26	30	19	18	16	13
	-750 (-3.81)	0.28 (69)	23	17	29	33	21	19	16	13
60 (1500)	+750 (+3.81)	0.30 (75)	27	18	32	36	22	20	19	16
	+500 (+2.54)	0.13 (33)	24	15	28	32	20	19	18	15
	0 (0)	0.00 (0)	21	15	22	28	19	20	19	15
	-500 (-2.54)	0.13 (33)	25	18	28	34	21	20	19	15
	-750 (-3.81)	0.30 (75)	26	20	31	36	23	21	19	14
72 (1800)	+750 (+3.81)	0.33 (81)	25	21	34	33	21	24	22	19
	+500 (+2.54)	0.15 (36)	22	18	29	29	18	22	21	18
	0 (0)	0.00 (0)	20	16	25	26	18	23	21	18
	-500 (-2.54)	0.15 (36)	23	19	31	29	19	23	21	17
	-750 (-3.81)	0.33 (81)	24	21	34	32	21	24	21	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.12 (29)	0.26 (104)
48 (1200)	0.13 (31)	0.28 (113)
60 (1500)	0.13 (33)	0.30 (75)
72 (1800)	0.15 (36)	0.33 (81)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	67	52	43	39	40	41	39	38
	+500 (+2.54)	60	42	32	30	32	30	26	29
	-500 (-2.54)	53	35	29	29	29	32	22	25
	-750 (-3.81)	54	40	35	35	35	39	36	33

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLB/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	30	30	36-72
Metric	200	750	750	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.25 (62)	17	19	36	17	18	17	13	11
	+500 (+2.54)	0.11 (27)	17	17	33	15	17	16	14	11
	0 (0)	0.00 (0)	20	15	25	14	17	16	13	11
	-500 (-2.54)	0.11 (27)	21	19	37	16	17	17	14	11
	-750 (-3.81)	0.25 (62)	20	20	43	17	19	18	14	11
48 (1200)	+750 (+3.81)	0.28 (71)	21	19	41	18	20	20	18	15
	+500 (+2.54)	0.13 (32)	20	16	36	16	19	19	18	15
	0 (0)	0.00 (0)	23	16	27	15	19	19	18	14
	-500 (-2.54)	0.13 (32)	23	19	39	17	20	20	18	14
	-750 (-3.81)	0.28 (71)	24	22	45	19	21	21	18	13
60 (1500)	+750 (+3.81)	0.32 (79)	25	19	45	20	23	22	23	18
	+500 (+2.54)	0.14 (35)	23	15	38	17	21	22	22	18
	0 (0)	0.00 (0)	26	16	29	16	21	22	22	17
	-500 (-2.54)	0.14 (35)	26	20	41	18	22	23	22	16
	-750 (-3.81)	0.32 (79)	28	23	46	20	23	23	21	16
72 (1800)	+750 (+3.81)	0.39 (96)	26	27	45	22	23	24	24	20
	+500 (+2.54)	0.16 (40)	23	23	41	19	21	23	23	20
	0 (0)	0.00 (0)	24	20	32	17	21	23	23	18
	-500 (-2.54)	0.16 (40)	24	23	43	18	21	24	23	17
	-750 (-3.81)	0.39 (96)	26	27	46	21	23	24	23	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.11 (27)	0.25 (62)
48 (1200)	0.13 (32)	0.28 (71)
60 (1500)	0.14 (35)	0.32 (79)
72 (1800)	0.16 (40)	0.39 (96)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	55	44	40	40	40	39	38
	+500 (+2.54)	62	44	33	31	31	29	27	30
	-500 (-2.54)	57	38	28	30	34	29	23	26
	-750 (-3.81)	57	42	34	35	40	41	36	34

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLS/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	20	20	36-72
Metric	250	500	500	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.31 (76)	16	12	20	28	18	16	14	12
	+500 (+2.54)	0.13 (32)	16	10	18	27	17	15	13	12
36 (900)	0 (0)	0.00 (0)	14	9	16	24	17	15	13	11
	-500 (-2.54)	0.13 (32)	17	12	21	27	18	15	13	11
	-750 (-3.81)	0.31 (76)	18	12	23	29	20	16	13	11
	+750 (+3.81)	0.33 (883)	19	14	23	31	21	18	16	14
	+500 (+2.54)	0.14 (35)	18	11	21	29	19	17	16	14
48 (1200)	0 (0)	0.00 (0)	16	11	17	25	19	17	16	14
	-500 (-2.54)	0.14 (35)	18	13	22	29	20	17	16	13
	-750 (-3.81)	0.33 (83)	21	15	25	31	22	18	16	13
	+750 (+3.81)	0.36 (89)	22	16	27	33	23	20	19	17
	+500 (+2.54)	0.15 (38)	20	13	23	30	21	18	18	16
60 (1500)	0 (0)	0.00 (0)	17	12	18	26	20	19	19	16
	-500 (-2.54)	0.15 (38)	20	15	24	31	21	19	18	15
	-750 (-3.81)	0.33 (89)	23	17	27	33	24	20	18	14
	+750 (+3.81)	0.39 (98)	22	18	29	30	22	23	21	19
	+500 (+2.54)	0.17 (43)	19	15	25	27	19	21	21	19
72 (1800)	0 (0)	0.00 (0)	17	13	21	24	19	21	20	18
	-500 (-2.54)	0.17 (43)	19	16	26	27	20	22	21	18
	-750 (-3.81)	0.39 (98)	22	19	30	30	22	23	21	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.13 (32)	0.31 (76)
48 (1200)	0.14 (35)	0.33 (83)
60 (1500)	0.15 (38)	0.36 (89)
72 (1800)	0.17 (43)	0.39 (98)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	70	56	47	41	43	45	44	41
All Lengths	+500 (+2.54)	63	46	36	33	36	34	31	32
	-500 (-2.54)	55	38	32	31	33	34	28	29
	-750 (-3.81)	57	44	38	37	40	43	41	38

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLB/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	30	30	36-72
Metric	250	750	750	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.30 (76)	19	18	39	17	19	19	17	15
	+500 (+2.54)	0.11 (26)	20	16	34	16	18	19	17	15
	0 (0)	0.00 (0)	22	15	28	14	18	18	17	15
	-500 (-2.54)	0.11 (26)	23	18	38	16	19	19	17	14
	-750 (-3.81)	0.30 (76)	24	21	42	18	21	19	17	14
48 (1200)	+750 (+3.81)	0.34 (86)	22	20	42	19	20	21	21	18
	+500 (+2.54)	0.12 (30)	21	17	37	17	19	20	20	17
	0 (0)	0.00 (0)	22	16	28	15	19	20	20	16
	-500 (-2.54)	0.12 (30)	23	19	39	17	20	21	20	16
	-750 (-3.81)	0.34 (86)	25	23	43	19	21	21	19	15
60 (1500)	+750 (+3.81)	0.38 (96)	25	21	44	21	22	23	24	20
	+500 (+2.54)	0.14 (34)	23	17	40	18	20	22	23	20
	0 (0)	0.00 (0)	22	16	28	16	20	22	23	18
	-500 (-2.54)	0.14 (34)	22	20	40	18	21	23	22	17
	-750 (-3.81)	0.38 (96)	26	25	45	21	22	23	22	16
72 (1800)	+750 (+3.81)	0.42 (104)	25	25	44	22	22	24	24	21
	+500 (+2.54)	0.15 (38)	23	21	41	19	20	22	24	20
	0 (0)	0.00 (0)	21	18	30	17	19	23	23	19
	-500 (-2.54)	0.15 (38)	21	21	41	19	20	23	23	17
	-750 (-3.81)	0.42 (104)	25	27	44	21	22	24	22	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.11 (26)	0.30 (76)
48 (1200)	0.12 (30)	0.34 (86)
60 (1500)	0.14 (34)	0.38 (96)
72 (1800)	0.15 (38)	0.42 (104)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	54	44	40	41	42	41	39
	+500 (+2.54)	62	45	33	32	33	31	28	30
	-500 (-2.54)	38	38	31	32	35	32	26	28
	-750 (-3.81)	38	43	37	37	42	43	39	36

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLS/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	20	20	36-72
Metric	300	500	500	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.36 (89)	15	10	16	26	18	14	13	12
	+500 (+2.54)	0.14 (35)	14	9	15	27	17	14	13	12
36 (900)	0 (0)	0.00 (0)	11	7	12	24	18	14	13	12
	-500 (-2.54)	0.14 (35)	15	10	18	28	21	14	12	11
	-750 (-3.81)	0.36 (89)	16	11	18	28	21	15	12	11
	+750 (+3.81)	0.39 (96)	17	12	19	29	22	17	16	15
	+500 (+2.54)	0.16 (39)	15	9	17	27	19	16	16	14
48 (1200)	0 (0)	0.00 (0)	12	8	14	24	19	16	16	14
	-500 (-2.54)	0.16 (39)	15	11	18	28	21	16	15	13
	-750 (-3.81)	0.39 (96)	18	13	20	29	23	17	15	13
	+750 (+3.81)	0.42 (103)	18	13	22	31	25	19	18	17
	+500 (+2.54)	0.17 (43)	15	10	18	28	21	18	18	17
60 (1500)	0 (0)	0.00 (0)	13	9	15	24	21	18	18	16
	-500 (-2.54)	0.17 (43)	15	12	19	28	22	18	18	15
	-750 (-3.81)	0.42 (103)	20	15	23	30	25	19	17	15
	+750 (+3.81)	0.46 (115)	19	15	25	28	24	22	21	20
	+500 (+2.54)	0.17 (43)	16	12	21	25	20	20	20	19
72 (1800)	0 (0)	0.00 (0)	14	10	18	22	20	20	20	18
	-500 (-2.54)	0.17 (43)	16	13	21	25	21	20	20	18
	-750 (-3.81)	0.46 (115)	20	16	25	28	24	21	20	18

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.14 (35)	0.36 (89)
48 (1200)	0.16 (39)	0.39 (96)
60 (1500)	0.17 (43)	0.42 (103)
72 (1800)	0.20 (50)	0.46 (115)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	73	60	50	44	47	49	48	45
All Lengths	+500 (+2.54)	66	51	40	35	39	39	35	36
	-500 (-2.54)	56	42	35	34	36	36	33	33
	-750 (-3.81)	60	49	41	40	44	47	46	42

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLB/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	30	30	36-72
Metric	300	750	750	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.36 (89)	22	18	42	18	20	22	21	20
	+500 (+2.54)	0.15 (36)	23	15	36	16	19	21	21	19
	0 (0)	0.00 (0)	23	14	31	15	20	21	20	19
	-500 (-2.54)	0.15 (36)	26	17	39	16	20	21	20	17
	-750 (-3.81)	0.36 (89)	29	21	40	18	22	21	20	17
48 (1200)	+750 (+3.81)	0.40 (100)	23	21	43	20	20	23	23	21
	+500 (+2.54)	0.17 (43)	23	17	39	17	18	21	23	20
	0 (0)	0.00 (0)	20	15	29	16	19	21	22	19
	-500 (-2.54)	0.17 (43)	23	19	39	17	20	22	21	17
	-750 (-3.81)	0.40 (100)	26	24	42	20	22	22	21	16
60 (1500)	+750 (+3.81)	0.45 (112)	24	24	44	22	21	24	24	22
	+500 (+2.54)	0.20 (49)	23	19	42	19	18	22	24	21
	0 (0)	0.00 (0)	18	16	28	17	18	22	23	20
	-500 (-2.54)	0.20 (49)	19	20	38	19	19	23	23	18
	-750 (-3.81)	0.45 (112)	24	27	43	22	21	23	22	16
72 (1800)	+750 (+3.81)	0.45 (112)	24	24	44	22	21	24	24	22
	+500 (+2.54)	0.20(49)	23	19	42	19	18	22	24	21
	0 (0)	0.00 (0)	18	16	28	17	18	22	23	20
	-500 (-2.54)	0.20 (49)	19	20	38	19	19	23	23	18
	-750 (-3.81)	0.45 (112)	24	27	43	22	21	23	22	16

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.15 (36)	0.36 (89)
48 (1200)	0.17 (43)	0.40 (100)
60 (1500)	0.20 (49)	0.45 (112)
72 (1800)	0.20 (49)	0.45 (112)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	54	44	41	43	44	42	39
	+500 (+2.54)	62	45	34	34	36	34	30	31
	-500 (-2.54)	18	39	34	34	36	34	29	29
	-750 (-3.81)	19	44	40	40	43	45	42	38

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLS/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	20	20	36-72
Metric	350	500	500	900-1800

Insertion Loss

Length	Face Velocity	Pressure Drop	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies							
in. (mm)	fpm (m/s)	in. w.g. (Pa)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.32 (80)	12	9	15	28	17	14	13	11
	+500 (+2.54)	0.13 (33)	11	8	13	28	15	12	12	11
36 (900)	0 (0)	0.00 (0)	9	6	11	24	16	13	12	11
	-500 (-2.54)	0.13 (33)	11	8	15	29	18	13	12	11
	-750 (-3.81)	0.32 (80)	12	9	16	30	19	14	12	11
	+750 (+3.81)	0.36 (89)	14	10	17	30	20	16	15	13
	+500 (+2.54)	0.16 (39)	12	9	15	29	17	15	15	13
48 (1200)	0 (0)	0.00 (0)	10	7	12	25	18	15	15	13
	-500 (-2.54)	0.16 (39)	12	9	16	29	20	15	14	12
	-750 (-3.81)	0.36 (89)	15	11	18	31	22	16	14	12
	+750 (+3.81)	0.39 (98)	15	12	19	32	22	19	17	15
	+500 (+2.54)	0.18 (46)	13	10	16	30	20	17	17	15
60 (1500)	0 (0)	0.00 (0)	11	9	13	25	20	17	17	14
	-500 (-2.54)	0.18 (46)	13	11	16	29	21	17	16	14
	-750 (-3.81)	0.39 (98)	18	13	20	32	24	18	16	13
	+750 (+3.81)	0.42 (104)	16	13	21	29	22	21	19	17
	+500 (+2.54)	0.20 (50)	14	11	18	26	19	19	19	17
72 (1800)	0 (0)	0.00 (0)	13	9	14	23	19	19	18	16
	-500 (-2.54)	0.20 (50)	14	11	18	26	20	19	18	16
	-750 (-3.81)	0.42 (104)	18	15	22	28	23	20	18	15

Pressure Drop

Length	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity	
in. (mm)	500 fpm	750 fpm
36 (900)	0.13 (33)	0.32 (80)
48 (1200)	0.16 (39)	0.36 (89)
60 (1500)	0.18 (46)	0.39 (98)
72 (1800)	0.20 (50)	0.42 (104)

Generated Noise

	Face Velocity	Generated Noise (dB) Measured at Octave Band Center Frequencies							
Length	fpm (m/s)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	74	60	50	44	48	50	49	46
All Lengths	+500 (+2.54)	66	51	41	36	40	39	36	36
	-500 (-2.54)	58	42	36	35	38	37	34	34
	-750 (-3.81)	62	49	42	41	46	48	47	44

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLB/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	30	30	36-72
Metric	350	750	750	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.32 (78)	17	17	36	17	19	18	17	15
	+500 (+2.54)	0.13 (33)	18	14	31	15	17	17	16	14
36 (900)	0 (0)	0.00 (0)	16	12	26	14	18	17	16	14
	-500 (-2.54)	0.13 (33)	18	15	32	15	18	17	16	13
	-750 (-3.81)	0.32 (78)	22	19	35	17	20	18	16	13
	+750 (+3.81)	0.36 (89)	20	19	38	18	20	20	19	16
	+500 (+2.54)	0.15 (38)	19	16	34	16	18	18	18	16
48 (1200)	0 (0)	0.00 (0)	17	14	26	15	18	18	18	15
	-500 (-2.54)	0.15 (38)	19	16	34	16	18	18	18	14
	-750 (-3.81)	0.36 (89)	23	21	37	18	20	19	17	13
	+750 (+3.81)	0.40 (99)	22	21	40	20	21	21	20	17
	+500 (+2.54)	0.17 (43)	20	17	36	17	18	19	20	17
60 (1500)	0 (0)	0.00 (0)	18	15	27	16	18	19	20	16
	-500 (-2.54)	0.17 (43)	20	18	36	17	18	20	19	14
	-750 (-3.81)	0.40 (99)	23	23	40	20	20	21	19	13
	+750 (+3.81)	0.41 (103)	22	21	41	21	21	22	22	18
	+500 (+2.54)	0.18 (45)	20	18	37	18	18	20	21	18
72 (1800)	0 (0)	0.00 (0)	17	15	27	17	18	20	21	17
	-500 (-2.54)	0.18 (45)	19	19	36	18	18	21	20	15
	-750 (-3.81)	0.41 (103)	23	24	40	21	21	21	19	14

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.13 (33)	0.32 (78)
48 (1200)	0.15 (38)	0.36 (89)
60 (1500)	0.17 (43)	0.40 (89)
72 (1800)	0.18 (45)	0.41 (103)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	71	58	46	43	45	47	45	43
All Lengths	+500 (+2.54)	64	48	36	36	38	37	33	34
	-500 (-2.54)	38	41	35	35	38	36	32	33
	-750 (-3.81)	41	47	41	41	45	48	45	42

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLS/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	20	20	36-72
Metric	400	500	500	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.28 (71)	10	8	13	30	16	13	12	10
	+500 (+2.54)	0.12 (30)	8	7	11	30	14	11	12	10
	0 (0)	0.00 (0)	7	5	10	25	15	12	12	10
	-500 (-2.54)	0.12 (30)	7	6	12	29	16	12	12	10
	-750 (-3.81)	0.28 (71)	8	7	15	32	18	13	12	10
48 (1200)	+750 (+3.81)	0.33 (81)	10	9	15	32	18	15	14	12
	+500 (+2.54)	0.16 (39)	9	8	12	31	16	14	14	12
	0 (0)	0.00 (0)	8	6	10	26	16	14	14	11
	-500 (-2.54)	0.16 (39)	9	8	13	30	18	14	14	11
	-750 (-3.81)	0.33 (81)	12	9	15	32	20	15	13	11
60 (1500)	+750 (+3.81)	0.37 (92)	11	10	16	33	20	18	16	14
	+500 (+2.54)	0.20 (49)	11	9	14	32	18	16	16	14
	0 (0)	0.00 (0)	9	8	10	27	18	16	15	12
	-500 (-2.54)	0.20 (49)	11	9	13	30	20	16	15	12
	-750 (-3.81)	0.37 (92)	15	12	16	33	23	16	15	11
72 (1800)	+750 (+3.81)	0.38 (94)	13	11	18	29	20	20	17	15
	+500 (+2.54)	0.20 (50)	12	9	15	27	17	18	17	15
	0 (0)	0.00 (0)	11	8	11	24	19	18	17	13
	-500 (-2.54)	0.20 (50)	12	10	14	26	20	18	16	13
	-750 (-3.81)	0.38 (94)	16	13	18	29	23	18	16	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.12 (30)	0.28 (71)
48 (1200)	0.16 (39)	0.33 (81)
60 (1500)	0.20 (49)	0.37 (92)
72 (1800)	0.20 (50)	0.38 (94)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	74	59	50	44	49	51	50	47
	+500 (+2.54)	67	51	41	37	41	40	37	36
	-500 (-2.54)	60	43	37	37	40	38	35	35
	-750 (-3.81)	64	50	43	42	47	49	48	47

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCLB/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	30	30	36-72
Metric	400	750	750	900-1800

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+750 (+3.81)	0.27 (68)	12	15	30	16	18	14	12	10
	+500 (+2.54)	0.12 (29)	12	13	26	14	16	13	12	10
	0 (0)	0.00 (0)	10	10	20	13	16	14	12	9
	-500 (-2.54)	0.12 (29)	11	12	26	14	16	14	12	9
	-750 (-3.81)	0.27 (68)	15	16	29	16	18	14	12	9
48 (1200)	+750 (+3.81)	0.31 (77)	16	16	33	17	19	16	14	11
	+500 (+2.54)	0.13 (33)	15	14	29	15	17	15	14	11
	0 (0)	0.00 (0)	14	12	24	13	16	15	14	11
	-500 (-2.54)	0.13 (33)	15	14	29	14	17	15	14	10
	-750 (-3.81)	0.31 (77)	19	17	33	17	19	16	14	10
60 (1500)	+750 (+3.81)	0.35 (87)	20	18	36	17	20	18	16	12
	+500 (+2.54)	0.15 (38)	18	15	31	15	18	17	16	12
	0 (0)	0.00 (0)	17	13	27	14	17	17	16	12
	-500 (-2.54)	0.15 (38)	20	16	33	15	17	17	16	11
	-750 (-3.81)	0.35 (87)	23	19	37	17	20	18	15	10
72 (1800)	+750 (+3.81)	0.38 (94)	20	19	38	20	21	19	19	14
	+500 (+2.54)	0.16 (41)	18	17	32	17	18	18	18	14
	0 (0)	0.00 (0)	17	14	27	16	18	18	18	14
	-500 (-2.54)	0.16 (41)	19	17	34	17	18	18	18	12
	-750 (-3.81)	0.38 (94)	22	22	37	20	20	19	17	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
36 (900)	0.12 (29)	0.27 (68)
48 (1200)	0.13 (33)	0.31 (77)
60 (1500)	0.15 (38)	0.35 (87)
72 (1800)	0.16 (41)	0.38 (94)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	74	61	49	45	48	50	49	48
	+500 (+2.54)	66	52	38	38	41	39	36	37
	-500 (-2.54)	59	43	36	37	41	39	35	36
	-750 (-3.81)	63	49	42	42	47	50	49	46

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMS/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	20	20	36-120
Metric	200	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.39 (96)	14	11	22	29	16	14	11	8
	+1250 (+6.35)	0.19 (48)	16	11	20	26	14	13	10	8
	+750 (+3.81)	0.07 (18)	14	10	18	23	12	12	10	8
	0 (0)	0.00 (0)	16	9	16	21	12	12	10	8
	-750 (-3.81)	0.07 (18)	18	12	20	24	13	12	11	8
	-1250 (-6.35)	0.19 (48)	19	13	23	27	15	13	11	8
	-1750 (-8.89)	0.39 (96)	18	14	25	29	17	14	11	8
48 (1200)	+1750 (+8.89)	0.45 (113)	18	13	25	32	18	16	13	11
	+1250 (+6.35)	0.23 (56)	17	13	24	29	16	14	12	10
	+750 (+3.81)	0.08 (21)	16	12	21	26	14	13	12	9
	0 (0)	0.00 (0)	17	12	19	24	14	14	12	10
	-750 (-3.81)	0.08 (21)	20	14	22	27	15	14	13	10
	-1250 (-6.35)	0.23 (56)	21	16	25	30	17	15	13	9
	-1750 (-8.89)	0.45 (113)	24	17	28	32	19	16	12	9
60 (1500)	+1750 (+8.89)	0.52 (129)	22	15	28	35	20	18	15	13
	+1250 (+6.35)	0.26 (65)	19	15	27	33	18	16	15	12
	+750 (+3.81)	0.09 (23)	18	14	25	29	16	15	14	11
	0 (0)	0.00 (0)	19	14	21	27	16	16	15	12
	-750 (-3.81)	0.09 (23)	21	16	24	29	17	16	14	11
	-1250 (-6.35)	0.26 (65)	24	18	27	33	18	16	14	11
	-1750 (-8.89)	0.52 (129)	29	19	30	35	20	17	14	10
72 (1800)	+1750 (+8.89)	0.56 (140)	23	18	32	32	19	20	17	14
	+1250 (+6.35)	0.28 (69)	21	17	29	30	17	18	16	14
	+750 (+3.81)	0.10 (24)	20	15	27	26	15	17	16	13
	0 (0)	0.00 (0)	21	13	24	25	15	18	16	13
	-750 (-3.81)	0.10 (24)	22	16	27	27	16	18	16	13
	-1250 (-6.35)	0.28 (69)	24	19	30	29	18	18	15	12
	-1750 (-8.89)	0.56 (140)	28	21	34	32	20	19	15	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (18)	0.19 (48)	0.39 (96)
48 (1200)	0.08 (21)	0.23 (56)	0.45 (113)
60 (1500)	0.09 (23)	0.26 (65)	0.52 (129)
72 (1800)	0.10 (24)	0.28 (69)	0.56 (140)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	69	60	54	47	47	50	49	41
	+1250 (+6.35)	63	52	44	40	40	40	38	33
	+750 (+3.81)	55	39	30	28	30	26	21	22
	-750 (-3.81)	53	35	32	32	32	33	21	21
	-1250 (-6.35)	54	42	39	40	40	43	38	32
	-1750 (-8.89)	55	46	44	45	45	49	49	39

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMB/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	30	30	36-120
Metric	200	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.40 (100)	17	14	38	14	15	14	11	9
	+1250 (+6.35)	0.21 (52)	19	14	39	13	14	13	11	9
	+750 (+3.81)	0.08 (20)	20	13	36	12	13	12	10	8
36 (900)	0 (0)	0 (0)	17	12	25	11	13	12	10	8
	-750 (-3.81)	0.08 (20)	20	15	37	12	13	12	11	8
	-1250 (-6.35)	0.21 (52)	22	16	40	14	14	13	10	8
	-1750 (-8.89)	0.40 (100)	23	18	41	15	15	14	10	7
	+1750 (+8.89)	0.45 (112)	21	16	38	16	18	17	15	11
	+1250 (+6.35)	0.23 (57)	21	15	41	15	17	16	14	11
	+750 (+3.81)	0.09 (21)	21	13	38	13	16	15	14	10
48 (1200)	0 (0)	0.00 (0)	19	13	26	12	16	15	13	11
	-750 (-3.81)	0.09 (21)	21	16	38	13	16	15	14	11
	-1250 (-6.35)	0.23 (57)	24	18	44	15	17	15	14	11
	-1750 (-8.89)	0.45 (112)	26	21	44	17	18	16	13	10
	+1750 (+8.89)	0.50 (124)	24	19	39	17	21	20	18	14
	+1250 (+6.35)	0.25 (62)	23	17	44	16	20	19	17	14
	+750 (+3.81)	0.09 (23)	22	14	39	14	19	18	17	13
60 (1500)	0 (0)	0 (0)	20	14	26	13	19	18	16	14
	-750 (-3.81)	0.09 (23)	23	18	40	15	19	18	17	14
	-1250 (-6.35)	0.25 (62)	26	21	48	16	20	18	17	14
	-1750 (-8.89)	0.50 (124)	28	23	46	18	22	19	17	13
	+1750 (+8.89)	0.52 (128)	24	24	40	19	20	21	19	15
	+1250 (+6.35)	0.25 (62)	24	22	44	17	19	19	19	15
	+750 (+3.81)	0.09 (23)	23	19	39	15	18	19	18	14
72 (1800)	0 (0)	0.00 (0)	21	17	32	14	18	19	18	15
	-750 (-3.81)	0.09 (23)	23	21	43	16	19	19	18	14
	-1250 (-6.35)	0.25 (62)	26	24	48	18	20	19	18	14
	-1750 (-8.89)	0.52 (128)	27	27	47	20	21	20	17	13

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.08 (20)	0.21 (52)	0.40 (100)
48 (1200)	0.09 (21)	0.23 (57)	0.45 (112)
60 (1500)	0.09 (23)	0.25 (62)	0.50 (124)
72 (1800)	0.09 (23)	0.25 (62)	0.52 (128)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	69	61	54	47	47	50	48	40
	+1250 (+6.35)	64	53	45	40	40	40	37	33
All Lengths	+750 (+3.81)	55	40	30	29	29	25	21	23
	-750 (-3.81)	55	38	31	32	34	28	21	23
	-1250 (-6.35)	56	43	39	39	43	42	38	33
	-1750 (-8.89)	56	46	44	44	48	52	49	39

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMS/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	20	20	36-120
Metric	250	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.36 (90)	13	10	19	28	16	12	10	7
	+1250 (+6.35)	0.25 (63)	14	10	18	27	14	11	9	7
	+750 (+3.81)	0.07 (18)	13	9	16	25	13	10	9	7
	0 (0)	0.00 (0)	14	8	14	23	12	10	9	7
	-750 (-3.81)	0.07 (18)	15	10	17	25	13	10	9	7
	-1250 (-6.35)	0.25 (63)	15	11	20	28	15	11	9	7
	-1750 (-8.89)	0.36 (90)	15	11	21	28	16	12	9	7
48 (1200)	+1750 (+8.89)	0.47 (116)	16	11	21	30	19	15	12	10
	+1250 (+6.35)	0.27 (67)	15	11	20	29	17	13	11	10
	+750 (+3.81)	0.09 (22)	14	10	18	27	15	12	11	9
	0 (0)	0.00 (0)	14	9	15	24	14	12	11	10
	-750 (-3.81)	0.09 (22)	16	11	18	27	15	13	12	9
	-1250 (-6.35)	0.27 (67)	18	12	21	30	17	13	11	9
	-1750 (-8.89)	0.47 (116)	20	14	23	30	19	14	11	9
60 (1500)	+1750 (+8.89)	0.57 (142)	19	12	23	32	21	17	15	12
	+1250 (+6.35)	0.29 (72)	17	12	21	31	19	15	14	12
	+750 (+3.81)	0.10 (25)	15	11	19	28	17	15	14	11
	0 (0)	0.00 (0)	15	10	16	26	16	15	14	12
	-750 (-3.81)	0.10 (25)	17	12	19	28	18	15	14	11
	-1250 (-6.35)	0.29 (72)	20	14	22	31	20	15	13	11
	-1750 (-8.89)	0.57 (142)	25	16	25	33	22	16	13	10
72 (1800)	+1750 (+8.89)	0.60 (149)	19	15	25	30	20	19	16	14
	+1250 (+6.35)	0.31 (76)	18	14	24	28	18	17	16	14
	+750 (+3.81)	0.11 (27)	17	12	21	25	16	16	15	13
	0 (0)	0.00 (0)	15	11	18	23	16	17	15	13
	-750 (-3.81)	0.11 (27)	16	13	22	25	17	17	15	12
	-1250 (-6.35)	0.31 (76)	19	15	25	28	19	17	15	12
	-1750 (-8.89)	0.60 (149)	23	17	28	29	22	18	14	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (18)	0.25 (63)	0.36 (90)
48 (1200)	0.087 (22)	0.27 (67)	0.47 (116)
60 (1500)	0.10 (25)	0.29 (72)	0.57 (142)
72 (1800)	0.11 (27)	0.31 (76)	0.60 (149)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	70	62	54	48	49	52	51	43
	+1250 (+6.35)	65	54	46	41	42	43	40	36
	+750 (+3.81)	56	41	32	30	33	29	24	24
	-750 (-3.81)	54	38	34	34	34	33	24	24
	-1250 (-6.35)	56	45	42	41	43	45	41	35
	-1750 (-8.89)	58	50	47	46	49	53	52	43

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMB/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	30	30	36-120
Metric	250	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.40 (99)	17	14	34	14	13	13	11	9
	+1250 (+6.35)	0.20 (51)	18	14	34	13	13	12	11	9
	+750 (+3.81)	0.07 (19)	17	13	32	12	12	11	11	9
36 (900)	0 (0)	0.00 (0)	16	11	25	11	12	11	11	9
	-750 (-3.81)	0.07 (19)	18	14	33	12	12	12	11	9
	-1250 (-6.35)	0.20 (51)	19	15	35	13	13	12	11	8
	-1750 (-8.89)	0.40 (99)	20	16	36	14	14	13	11	8
	+1750 (+8.89)	0.45 (112)	20	15	36	15	16	16	14	11
	+1250 (+6.35)	0.23 (57)	20	14	37	14	15	15	14	11
	+750 (+3.81)	0.08 (21)	20	13	34	12	14	14	13	11
48 (1200)	0 (0)	0.00 (0)	18	12	26	11	14	14	13	11
	-750 (-3.81)	0.08 (21)	20	14	34	13	14	14	13	11
	-1250 (-6.35)	0.23 (57)	22	16	38	14	15	14	13	11
	-1750 (-8.89)	0.45 (112)	23	17	39	16	16	16	14	11
	+1750 (+8.89)	0.51 (126)	23	16	38	17	19	19	17	14
	+1250 (+6.35)	0.25 (63)	23	15	40	15	17	17	17	14
	+750 (+3.81)	0.09 (23)	22	13	36	13	16	17	16	13
60 (1500)	0 (0)	0.00 (0)	20	13	27	12	17	16	16	14
	-750 (-3.81)	0.09 (23)	23	15	36	14	17	16	16	14
	-1250 (-6.35)	0.25 (63)	24	17	41	15	18	17	16	14
	-1750 (-8.89)	0.51 (126)	25	18	41	17	19	19	16	13
	+1750 (+8.89)	0.53 (131)	23	20	39	18	19	20	18	15
	+1250 (+6.35)	0.26 (66)	22	19	41	17	18	18	18	15
	+750 (+3.81)	0.10 (24)	21	17	36	15	16	17	17	14
72 (1800)	0 (0)	0.00 (0)	19	15	29	14	16	17	17	14
	-750 (-3.81)	0.10 (24)	21	18	39	15	17	17	17	14
	-1250 (-6.35)	0.26 (66)	23	20	43	17	18	18	17	13
	-1750 (-8.89)	0.53 (131)	24	23	43	20	20	19	16	13

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (19)	0.20 (51)	0.40 (99)
48 (1200)	0.08 (21)	0.23 (57)	0.45 (112)
60 (1500)	0.09 (23)	0.25 (63)	0.51 (126)
72 (1800)	0.10 (24)	0.26 (66)	0.53 (131)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	66	59	52	46	46	48	46	39
	+1250 (+6.35)	61	51	43	39	40	39	36	32
All Lengths	+750 (+3.81)	53	39	29	29	30	25	20	22
	-750 (-3.81)	56	38	33	33	34	28	20	22
	-1250 (-6.35)	57	44	41	40	43	42	37	33
	-1750 (-8.89)	57	48	46	45	49	51	48	39

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMS/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	20	20	36-120
Metric	300	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+1750 (+8.89)	0.34 (84)	12	8	16	28	16	10	8	6
	+1250 (+6.35)	0.32 (78)	12	8	16	28	15	9	8	6
	+750 (+3.81)	0.07 (18)	12	7	14	27	13	9	8	6
	0 (0)	0.00 (0)	12	6	12	25	12	8	8	7
	-750 (-3.81)	0.07 (18)	12	7	14	27	13	9	8	6
	-1250 (-6.35)	0.32 (78)	12	8	16	28	15	9	8	6
	-1750 (-8.89)	0.34 (84)	12	8	16	28	16	10	8	6
48 (1200)	+1750 (+8.89)	0.48 (120)	14	9	17	29	19	13	11	9
	+1250 (+6.35)	0.32 (78)	13	9	16	29	17	12	10	9
	+750 (+3.81)	0.09 (23)	13	8	14	27	15	11	10	9
	0 (0)	0.00 (0)	11	6	12	24	15	11	10	9
	-750 (-3.81)	0.09 (23)	12	8	14	27	16	11	10	9
	-1250 (-6.35)	0.32 (78)	14	9	16	29	18	11	10	9
	-1750 (-8.89)	0.48 (120)	16	10	18	29	20	13	10	8
60 (1500)	+1750 (+8.89)	0.63 (156)	16	10	17	29	23	16	14	12
	+1250 (+6.35)	0.32 (78)	14	9	16	29	20	14	13	12
	+750 (+3.81)	0.11 (28)	13	8	13	28	18	14	13	12
	0 (0)	0 (0)	11	7	11	24	17	14	13	12
	-750 (-3.81)	0.11 (28)	12	9	14	27	18	14	13	11
	-1250 (-6.35)	0.32 (78)	17	11	17	30	21	14	13	11
	-1750 (-8.89)	0.63 (156)	21	12	20	30	23	15	13	10
72 (1800)	+1750 (+8.89)	0.64 (159)	15	11	19	27	22	18	15	13
	+1250 (+6.35)	0.33 (83)	14	11	18	26	20	16	15	13
	+750 (+3.81)	0.12 (30)	13	10	15	24	17	15	15	13
	0 (0)	0.00 (0)	10	8	13	21	17	15	15	13
	-750 (-3.81)	0.12 (30)	11	10	16	23	18	16	14	12
	-1250 (-6.35)	0.33 (83)	14	12	19	26	21	16	14	12
	-1750 (-8.89)	0.64 (159)	18	13	22	27	23	18	14	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (18)	0.32 (78)	0.34 (84)
48 (1200)	0.09 (23)	0.32 (78)	0.48 (120)
60 (1500)	0.11 (28)	0.32 (78)	0.63 (156)
72 (1800)	0.12 (30)	0.33 (83)	0.64 (159)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	72	63	55	49	51	55	54	46
	+1250 (+6.35)	66	55	47	42	45	46	43	38
	+750 (+3.81)	58	44	34	32	35	32	27	26
	-750 (-3.81)	54	40	36	35	36	33	28	26
	-1250 (-6.35)	58	49	44	43	46	47	44	38
	-1750 (-8.89)	61	54	49	48	52	57	55	46

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMB/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	30	30	36-120
Metric	300	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.39 (98)	16	13	31	14	12	13	12	9
	+1250 (+6.35)	0.20 (50)	16	13	30	13	11	12	11	9
	+750 (+3.81)	0.07 (17)	15	12	28	11	10	11	11	9
36 (900)	0 (0)	0.00 (0)	15	10	25	11	11	11	11	10
	-750 (-3.81)	0.07 (17)	15	12	28	11	10	11	11	9
	-1250 (-6.35)	0.20 (50)	16	13	30	13	11	12	11	9
	-1750 (-8.89)	0.39 (98)	16	13	31	14	12	13	12	9
	+1750 (+8.89)	0.45 (112)	19	14	33	15	14	15	14	11
	+1250 (+6.35)	0.23 (57)	20	13	33	13	13	14	13	11
	+750 (+3.81)	0.08 (20)	19	12	30	12	12	13	13	12
48 (1200)	0 (0)	0.00 (0)	17	11	26	11	13	13	13	12
	-750 (-3.81)	0.08 (20)	19	12	30	12	12	13	13	12
	-1250 (-6.35)	0.23 (57)	20	13	33	13	13	14	13	11
	-1750 (-8.89)	0.45 (112)	19	14	33	15	14	15	14	11
	+1750 (+8.89)	0.51 (127)	22	14	36	16	17	18	16	14
	+1250 (+6.35)	0.26 (64)	23	13	35	14	15	15	16	14
	+750 (+3.81)	0.09 (22)	23	12	32	12	14	15	15	14
60 (1500)	0 (0)	0.00 (0)	19	12	28	11	15	15	15	14
	-750 (-3.81)	0.09 (22)	23	12	32	12	14	15	15	14
	-1250 (-6.35)	0.26 (64)	23	13	35	14	15	15	16	14
	-1750 (-8.89)	0.51 (127)	22	14	36	16	17	18	16	14
	+1750 (+8.89)	0.54 (133)	21	17	38	18	18	18	17	14
	+1250 (+6.35)	0.28 (69)	20	16	37	16	16	16	17	14
	+750 (+3.81)	0.10 (25)	19	14	33	15	15	16	17	14
72 (1800)	0 (0)	0.00 (0)	17	13	27	13	15	16	16	14
	-750 (-3.81)	0.10 (25)	19	15	35	15	15	16	16	14
	-1250 (-6.35)	0.28 (69)	21	17	38	17	16	16	16	13
	-1750 (-8.89)	0.54 (133)	22	18	40	20	18	18	16	13

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (17)	0.20 (50)	0.39 (98)
48 (1200)	0.08 (20)	0.23 (57)	0.45 (112)
60 (1500)	0.09 (22)	0.26 (64)	0.51 (127)
72 (1800)	0.10 (25)	0.28 (69)	0.54 (133)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	63	56	49	44	46	47	44	38
	+1250 (+6.35)	59	49	41	38	40	38	34	31
All Lengths	+750 (+3.81)	51	37	29	29	31	25	19	21
	-750 (-3.81)	57	38	35	33	34	28	20	22
	-1250 (-6.35)	58	46	42	41	43	42	36	33
	-1750 (-8.89)	58	50	48	45	49	51	47	40

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMS/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	20	20	36-120
Metric	350	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.33 (81)	10	6	13	26	15	10	8	6
	+1250 (+6.35)	0.24 (59)	10	6	12	27	13	9	8	6
	+750 (+3.81)	0.07 (16)	10	5	11	27	12	9	8	6
36 (900)	0 (0)	0.00 (0)	9	4	9	24	12	8	8	6
	-750 (-3.81)	0.07 (16)	10	5	11	26	13	9	8	6
	-1250 (-6.35)	0.24 (59)	10	6	13	26	15	9	8	6
	-1750 (-8.89)	0.33 (81)	11	7	14	27	16	10	8	6
	+1750 (+8.89)	0.42 (106)	12	7	14	28	17	13	11	8
	+1250 (+6.35)	0.25 (62)	12	7	13	28	16	11	10	8
	+750 (+3.81)	0.08 (20)	11	6	11	27	14	11	10	8
48 (1200)	0 (0)	0.00 (0)	10	5	9	24	14	10	10	8
	-750 (-3.81)	0.08 (20)	11	7	11	26	15	11	10	8
	-1250 (-6.35)	0.25 (62)	12	8	14	27	17	11	10	8
	-1750 (-8.89)	0.42 (106)	14	9	16	28	19	12	10	8
	+1750 (+8.89)	0.52 (130)	14	8	15	29	20	15	13	10
	+1250 (+6.35)	0.26 (65)	13	8	14	29	18	13	12	10
	+750 (+3.81)	0.09 (24)	13	7	11	27	16	13	12	10
60 (1500)	0 (0)	0.00 (0)	11	6	9	24	16	12	12	10
	-750 (-3.81)	0.09 (24)	12	8	12	27	18	12	12	10
	-1250 (-6.35)	0.26 (65)	15	9	14	29	20	13	12	10
	-1750 (-8.89)	0.52 (130)	17	10	17	30	22	14	12	9
	+1750 (+8.89)	0.54 (135)	13	10	17	26	20	17	14	11
	+1250 (+6.35)	0.28 (70)	13	9	15	25	18	15	14	11
	+750 (+3.81)	0.10 (26)	12	8	13	24	16	14	14	11
72 (1800)	0 (0)	0.00 (0)	10	7	10	21	17	14	13	11
	-750 (-3.81)	0.10 (26)	11	9	13	23	18	14	13	11
	-1250 (-6.35)	0.28 (70)	13	10	16	25	20	14	13	10
	-1750 (-8.89)	0.54 (135)	17	11	19	26	22	16	13	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.07 (16)	0.24 (59)	0.33 (81)
48 (1200)	0.08 (20)	0.25 (62)	0.42 (106)
60 (1500)	0.09 (24)	0.26 (65)	0.52 (130)
72 (1800)	0.10 (26)	0.28 (70)	0.54 (135)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	73	63	55	49	52	56	55	48
	+1250 (+6.35)	67	55	47	43	46	47	44	40
All Lengths	+750 (+3.81)	58	44	35	33	36	34	28	27
	-750 (-3.81)	55	42	37	37	38	35	29	27
	-1250 (-6.35)	60	51	45	45	47	49	46	40
	-1750 (-8.89)	63	56	50	50	53	58	57	49

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMB/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	30	30	36-120
Metric	350	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.36 (89)	12	12	28	13	12	12	10	7
	+1250 (+6.35)	0.18 (45)	13	12	27	12	11	11	10	7
	+750 (+3.81)	0.06 (16)	12	11	25	11	10	10	10	7
36 (900)	0 (0)	0.00 (0)	12	9	21	10	10	10	10	8
	-750 (-3.81)	0.06 (16)	13	11	25	11	10	10	10	7
	-1250 (-6.35)	0.18 (45)	14	12	28	12	11	11	10	7
	-1750 (-8.89)	0.36 (89)	15	13	29	13	13	12	10	7
	+1750 (+8.89)	0.41 (103)	15	13	30	14	14	14	12	9
	+1250 (+6.35)	0.21 (53)	15	12	29	13	13	12	12	9
	+750 (+3.81)	0.08 (19)	15	11	26	11	11	12	11	9
48 (1200)	0 (0)	0.00 (0)	14	10	22	10	12	12	11	9
	-750 (-3.81)	0.08 (19)	16	11	27	11	11	12	11	9
	-1250 (-6.35)	0.21 (53)	17	13	30	13	13	12	11	9
	-1750 (-8.89)	0.41 (103)	18	14	31	15	14	14	12	9
	+1750 (+8.89)	0.47 (117)	18	14	32	15	16	16	14	10
	+1250 (+6.35)	0.24 (60)	18	13	31	14	14	14	13	10
	+750 (+3.81)	0.09 (22)	18	12	27	12	13	14	13	10
60 (1500)	0 (0)	0.00 (0)	16	11	24	11	13	14	13	11
	-750 (-3.81)	0.09 (22)	20	12	28	12	13	14	13	10
	-1250 (-6.35)	0.24 (60)	21	14	31	14	15	14	13	10
	-1750 (-8.89)	0.47 (117)	22	15	34	16	16	16	13	10
	+1750 (+8.89)	0.50 (124)	18	16	35	19	17	17	15	11
	+1250 (+6.35)	0.26 (65)	16	15	34	17	16	15	15	11
	+750 (+3.81)	0.10 (24)	16	13	30	15	14	15	15	11
72 (1800)	0 (0)	0.00 (0)	15	12	24	13	14	15	14	11
	-750 (-3.81)	0.10 (24)	17	14	31	15	14	15	14	11
	-1250 (-6.35)	0.26 (65)	19	16	35	18	16	15	14	10
	-1750 (-8.89)	0.50 (124)	21	18	37	20	18	16	14	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (16)	0.18 (45)	0.36 (89)
48 (1200)	0.08 (19)	0.21 (53)	0.41 (103)
60 (1500)	0.09 (22)	0.24 (60)	0.47 (117)
72 (1800)	0.10 (24)	0.26 (65)	0.50 (124)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	69	60	52	47	49	52	50	44
	+1250 (+6.35)	64	53	44	41	43	43	40	36
All Lengths	+750 (+3.81)	55	41	31	32	34	30	24	24
	-750 (-3.81)	56	41	36	36	37	32	25	25
	-1250 (-6.35)	59	48	44	43	46	46	42	37
	-1750 (-8.89)	61	53	49	47	52	55	53	45

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMS/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	20	20	36-120
Metric	400	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.32 (78)	8	4	10	25	14	10	9	6
	+1250 (+6.35)	0.16 (41)	8	4	9	26	12	9	9	7
	+750 (+3.81)	0.06 (15)	8	4	7	26	11	9	9	7
36 (900)	0 (0)	0.00 (0)	6	2	6	23	12	9	8	6
	-750 (-3.81)	0.06 (15)	8	3	8	25	13	9	8	6
	-1250 (-6.35)	0.16 (41)	9	5	10	24	15	9	8	6
	-1750 (-8.89)	0.32 (78)	11	5	12	25	16	10	9	6
	+1750 (+8.89)	0.37 (91)	10	6	11	26	15	12	10	7
	+1250 (+6.35)	0.19 (47)	10	5	10	27	14	11	10	8
	+750 (+3.81)	0.07 (17)	10	5	8	27	12	10	10	8
48 (1200)	0 (0)	0.00 (0)	9	4	7	24	14	10	10	7
	-750 (-3.81)	0.07 (17)	10	5	9	26	15	10	10	7
	-1250 (-6.35)	0.19 (47)	11	6	11	26	17	10	10	7
	-1750 (-8.89)	0.37 (91)	12	7	13	27	18	12	10	7
	+1750 (+8.89)	0.42 (104)	12	7	13	28	17	14	12	8
	+1250 (+6.35)	0.21 (53)	12	7	12	28	15	12	12	9
	+750 (+3.81)	0.08 (19)	12	6	10	27	13	12	12	9
60 (1500)	0 (0)	0.00 (0)	12	5	7	25	16	11	11	9
	-750 (-3.81)	0.08 (19)	11	7	10	26	17	11	11	9
	-1250 (-6.35)	0.21 (53)	13	8	12	28	19	11	11	9
	-1750 (-8.89)	0.42 (104)	13	9	14	30	21	13	11	9
	+1750 (+8.89)	0.45 (112)	12	8	14	26	18	15	13	9
	+1250 (+6.35)	0.23 (57)	11	8	13	25	16	13	13	9
	+750 (+3.81)	0.09 (21)	10	7	11	23	14	13	13	9
72 (1800)	0 (0)	0.00 (0)	10	6	8	22	17	12	12	9
	-750 (-3.81)	0.09 (21)	11	7	10	23	17	12	12	9
	-1250 (-6.35)	0.23 (57)	13	9	13	25	19	12	12	9
	-1750 (-8.89)	0.45 (112)	16	10	15	26	21	14	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (15)	0.16 (41)	0.32 (78)
48 (1200)	0.07 (17)	0.19 (47)	0.37 (91)
60 (1500)	0.08 (19)	0.21 (53)	0.42 (104)
72 (1800)	0.09 (21)	0.23 (57)	0.45 (112)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	74	63	54	50	53	57	56	50
	+1250 (+6.35)	68	56	47	43	47	48	46	41
All Lengths	+750 (+3.81)	58	45	36	34	37	35	30	27
	-750 (-3.81)	56	43	38	39	40	37	30	28
	-1250 (-6.35)	62	52	46	47	49	50	47	42
	-1750 (-8.89)	66	58	52	51	54	59	59	51

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCMB/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	30	30	36-120
Metric	400	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.32 (80)	8	10	25	13	12	11	9	5
	+1250 (+6.35)	0.16 (40)	9	10	23	12	11	10	8	5
	+750 (+3.81)	0.06 (15)	8	9	21	10	10	9	8	5
36 (900)	0 (0)	0.00 (0)	8	7	17	9	9	9	8	5
	-750 (-3.81)	0.06 (15)	10	9	22	10	10	9	9	5
	-1250 (-6.35)	0.16 (40)	11	10	25	12	12	10	9	5
	-1750 (-8.89)	0.32 (80)	14	12	27	13	13	11	9	5
	+1750 (+8.89)	0.37 (93)	11	12	27	14	14	13	10	6
	+1250 (+6.35)	0.20 (49)	11	11	25	13	12	11	10	6
	+750 (+3.81)	0.07 (18)	10	10	22	11	11	11	10	6
48 (1200)	0 (0)	0.00 (0)	11	9	19	9	10	11	10	6
	-750 (-3.81)	0.07 (18)	13	11	23	11	11	11	10	6
	-1250 (-6.35)	0.20 (49)	15	13	27	13	13	11	10	6
	-1750 (-8.89)	0.37 (93)	17	14	29	14	15	12	10	6
	+1750 (+8.89)	0.43 (106)	14	14	29	15	15	15	12	7
	+1250 (+6.35)	0.23 (57)	14	13	27	14	14	13	11	7
	+750 (+3.81)	0.08 (21)	13	12	23	12	12	12	11	7
60 (1500)	0 (0)	0.00 (0)	14	10	21	10	11	12	11	7
	-750 (-3.81)	0.08 (21)	16	13	24	12	12	12	11	7
	-1250 (-6.35)	0.23 (57)	19	15	28	14	14	12	11	7
	-1750 (-8.89)	0.43 (106)	21	16	32	16	16	14	11	7
	+1750 (+8.89)	0.46 (115)	14	15	32	20	17	16	13	8
	+1250 (+6.35)	0.24 (60)	13	14	31	17	15	14	13	9
	+750 (+3.81)	0.09 (22)	13	12	27	15	13	14	13	9
72 (1800)	0 (0)	0.00 (0)	13	11	21	13	13	13	13	8
	-750 (-3.81)	0.09 (22)	15	13	28	15	13	13	13	8
	-1250 (-6.35)	0.24 (60)	17	16	31	18	15	13	12	8
	-1750 (-8.89)	0.46 (115)	20	18	34	21	18	15	12	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.06 (15)	0.16 (40)	0.32 (80)
48 (1200)	0.07 (18)	0.20 (49)	0.37 (93)
60 (1500)	0.08 (21)	0.23 (57)	0.43 (106)
72 (1800)	0.09 (22)	0.24 (60)	0.46 (115)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	75	64	55	49	53	57	56	49
	+1250 (+6.35)	68	56	47	44	47	48	45	41
All Lengths	+750 (+3.81)	58	45	34	35	37	34	28	27
	-750 (-3.81)	55	43	38	38	40	36	30	28
	-1250 (-6.35)	60	51	45	45	48	50	48	42
	-1750 (-8.89)	63	57	50	49	54	59	59	51

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHS/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	20	20	36-120
Metric	200	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.25 (62)	12	10	19	27	14	12	10	8
	+1750 (+8.89)	0.12 (30)	12	10	18	25	12	12	10	8
	+1000 (+5.08)	0.05 (12)	10	9	16	22	11	11	10	8
	0 (0)	0.00 (0)	10	8	13	21	10	12	10	8
	-1000 (-5.08)	0.05 (12)	13	10	17	23	11	12	10	8
	-1750 (-8.89)	0.12 (30)	14	11	19	25	12	12	10	8
	-2500 (-12.7)	0.25 (62)	15	13	22	27	14	13	9	7
48 (1200)	+2500 (+12.7)	0.28 (68)	15	12	21	28	16	14	12	10
	+1750 (+8.89)	0.13 (33)	16	12	20	27	14	13	12	10
	+1000 (+5.08)	0.06 (14)	14	11	18	24	12	13	12	10
	0 (0)	0.00 (0)	15	10	15	22	11	13	12	10
	-1000 (-5.08)	0.06 (14)	18	12	19	25	12	14	12	9
	-1750 (-8.89)	0.13 (33)	18	13	21	28	14	14	11	9
	-2500 (-12.7)	0.28 (68)	20	15	23	30	16	15	11	9
60 (1500)	+2500 (+12.7)	0.30 (75)	18	14	23	30	18	16	14	12
	+1750 (+8.89)	0.15 (37)	20	14	22	29	15	15	14	12
	+1000 (+5.08)	0.06 (16)	19	14	20	25	13	15	14	12
	0 (0)	0.00 (0)	19	13	17	24	13	15	14	12
	-1000 (-5.08)	0.06 (16)	22	15	20	27	14	15	14	11
	-1750 (-8.89)	0.15 (37)	22	16	22	31	15	15	13	10
	-2500 (-12.7)	0.30 (75)	24	17	25	32	18	16	12	10
72 (1800)	+2500 (+12.7)	0.33 (82)	20	16	27	29	18	18	16	13
	+1750 (+8.89)	0.17 (41)	20	15	25	27	15	16	16	13
	+1000 (+5.08)	0.07 (17)	19	14	23	24	13	16	15	13
	0 (0)	0.00 (0)	17	13	19	22	12	16	15	12
	-1000 (-5.08)	0.07 (17)	21	16	23	24	13	16	15	12
	-1750 (-8.89)	0.17 (41)	22	18	26	28	15	16	14	11
	-2500 (-12.7)	0.33 (82)	25	20	29	30	19	18	13	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (12)	0.12 (30)	0.25 (62)
48 (1200)	0.06 (14)	0.13 (33)	0.28 (68)
60 (1500)	0.06 (16)	0.15 (37)	0.30 (75)
72 (1800)	0.07 (17)	0.17 (41)	0.33 (82)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	67	62	56	49	48	51	50	39
	+1750 (+8.89)	61	53	46	41	41	41	38	31
	+1000 (+5.08)	52	38	30	28	30	25	20	20
	-1000 (-5.08)	53	36	34	35	35	35	21	21
	-1750 (-8.89)	55	43	42	43	43	45	40	33
	-2500 (-12.7)	55	47	48	49	49	52	52	40

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHB/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	30	30	36-120
Metric	200	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.24 (60)	18	14	26	12	12	13	10	8
	+1750 (+8.89)	0.12 (31)	19	14	36	11	11	12	10	8
	+1000 (+5.08)	0.05 (13)	19	12	38	9	10	11	10	8
36 (900)	0 (0)	0.00 (0)	17	10	35	9	10	11	10	8
	-1000 (-5.08)	0.05 (13)	21	15	40	10	11	11	10	7
	-1750 (-8.89)	0.12 (31)	22	16	38	11	12	12	9	7
	-2500 (-12.7)	0.24 (60)	18	18	31	13	13	13	9	7
	+2500 (+12.7)	0.28 (70)	20	14	26	13	14	15	12	10
	+1750 (+8.89)	0.14 (34)	21	13	36	12	13	13	12	10
	+1000 (+5.08)	0.06 (14)	21	12	43	10	12	13	12	10
48 (1200)	0 (0)	0.00 (0)	19	11	39	10	12	13	12	10
	-1000 (-5.08)	0.06 (14)	22	15	43	11	13	13	12	9
	-1750 (-8.89)	0.14 (34)	23	18	37	13	14	14	11	9
	-2500 (-12.7)	0.28 (70)	23	21	31	15	16	15	11	9
	+2500 (+12.7)	0.32 (80)	23	15	26	15	16	17	15	13
	+1750 (+8.89)	0.15 (38)	24	13	36	13	15	15	15	13
	+1000 (+5.08)	0.06 (15)	23	11	47	11	14	15	14	12
60 (1500)	0 (0)	0.00 (0)	21	12	44	11	14	15	15	12
	-1000 (-5.08)	0.06 (15)	23	15	46	12	15	15	14	11
	-1750 (-8.89)	0.15 (38)	25	20	36	15	16	16	13	11
	-2500 (-12.7)	0.32 (80)	27	23	31	16	18	17	12	10
	+2500 (+12.7)	0.34 (85)	23	20	30	16	17	19	17	14
	+1750 (+8.89)	0.16 (41)	23	18	40	14	15	17	17	14
	+1000 (+5.08)	0.07 (17)	23	16	46	12	14	16	16	14
72 (1800)	0 (0)	0.00 (0)	21	15	43	11	14	16	16	13
	-1000 (-5.08)	0.07 (17)	22	19	46	13	15	17	16	12
	-1750 (-8.89)	0.16 (41)	24	23	41	15	17	17	15	11
	-2500 (-12.7)	0.34 (85)	27	26	35	17	19	18	14	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (13)	0.12 (31)	0.24 (60)
48 (1200)	0.06 (14)	0.14 (34)	0.28 (70)
60 (1500)	0.06 (15)	0.15 (38)	0.32 (80)
72 (1800)	0.07 (17)	0.16 (41)	0.34 (85)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	67	62	56	48	48	51	49	39
	+1750 (+8.89)	61	53	46	41	40	41	37	31
All Lengths	+1000 (+5.08)	52	39	30	29	29	25	20	20
	-1000 (-5.08)	54	39	34	34	35	29	21	22
	-1750 (-8.89)	55	44	42	42	45	44	40	33
	-2500 (-12.7)	55	47	47	47	51	54	52	40

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHS/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	20	20	36-120
Metric	250	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.25 (62)	10	8	15	27	14	11	9	7
	+1750 (+8.89)	0.12 (30)	11	8	14	26	12	10	9	7
	+1000 (+5.08)	0.05 (12)	10	7	13	24	11	10	9	7
	0 (0)	0.00 (0)	10	6	11	22	10	10	9	7
	-1000 (-5.08)	0.05 (12)	12	8	14	24	11	10	9	7
	-1750 (-8.89)	0.12 (30)	13	9	16	26	13	10	9	7
	-2500 (-12.7)	0.25 (62)	13	10	18	26	14	11	8	7
48 (1200)	+2500 (+12.7)	0.27 (68)	14	10	18	28	16	13	11	9
	+1750 (+8.89)	0.14 (34)	14	9	16	27	14	12	11	9
	+1000 (+5.08)	0.05 (13)	14	9	15	25	12	12	11	9
	0 (0)	0.00 (0)	14	8	12	23	12	11	11	9
	-1000 (-5.08)	0.05 (13)	16	9	15	25	13	12	11	9
	-1750 (-8.89)	0.14 (34)	16	10	17	27	14	12	10	8
	-2500 (-12.7)	0.27 (68)	17	12	20	28	16	13	10	8
60 (1500)	+2500 (+12.7)	0.30 (74)	17	11	20	29	17	15	13	11
	+1750 (+8.89)	0.15 (38)	18	11	18	29	15	14	13	11
	+1000 (+5.08)	0.06 (15)	18	11	17	26	13	13	13	11
	0 (0)	0.00 (0)	18	9	14	24	13	13	13	11
	-1000 (-5.08)	0.06 (15)	20	11	16	26	14	13	12	10
	-1750 (-8.89)	0.15 (38)	19	12	19	29	16	13	12	10
	-2500 (-12.7)	0.30 (74)	21	14	21	30	18	14	11	9
72 (1800)	+2500 (+12.7)	0.33 (81)	18	13	22	28	17	16	14	12
	+1750 (+8.89)	0.17 (41)	18	12	21	27	15	15	14	12
	+1000 (+5.08)	0.06 (16)	17	11	18	24	13	15	14	12
	0 (0)	0.00 (0)	17	10	15	22	13	14	14	12
	-1000 (-5.08)	0.06 (16)	19	12	19	24	14	15	14	11
	-1750 (-8.89)	0.17 (41)	20	14	22	27	16	15	13	11
	-2500 (-12.7)	0.33 (81)	23	15	24	28	18	16	12	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (12)	0.12 (30)	0.25 (62)
48 (1200)	0.05 (13)	0.14 (34)	0.27 (68)
60 (1500)	0.06 (15)	0.15 (38)	0.30 (74)
72 (1800)	0.06 (16)	0.17 (41)	0.33 (81)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	68	61	55	49	50	53	51	41
	+1750 (+8.89)	62	53	46	41	43	43	40	33
	+1000 (+5.08)	53	40	31	30	32	27	22	21
	-1000 (-5.08)	53	38	35	36	36	34	24	22
	-1750 (-8.89)	56	46	44	44	46	47	42	35
	-2500 (-12.7)	58	51	50	50	52	55	54	43

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHB/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	30	30	36-120
Metric	250	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.25 (62)	15	13	27	12	11	11	9	7
	+1750 (+8.89)	0.12 (31)	16	12	31	10	10	10	9	7
	+1000 (+5.08)	0.05 (12)	15	11	32	9	10	10	9	7
36 (900)	0 (0)	0.00 (0)	15	9	28	8	10	10	9	7
	-1000 (-5.08)	0.05 (12)	18	12	32	9	10	10	9	7
	-1750 (-8.89)	0.12 (31)	19	15	33	11	11	10	9	7
	-2500 (-12.7)	0.25 (62)	18	16	31	13	13	11	9	7
	+2500 (+12.7)	0.28 (69)	18	14	28	13	13	13	11	9
	+1750 (+8.89)	0.14 (34)	18	12	33	11	12	12	11	9
	+1000 (+5.08)	0.05 (13)	18	11	35	10	11	12	11	9
48 (1200)	0 (0)	0.00 (0)	17	10	32	9	11	12	11	9
	-1000 (-5.08)	0.05 (13)	20	13	35	10	12	12	11	9
	-1750 (-8.89)	0.14 (34)	21	16	34	12	13	12	10	9
	-2500 (-12.7)	0.28 (69)	22	18	32	14	14	13	10	8
	+2500 (+12.7)	0.31 (77)	21	14	30	14	14	15	13	11
	+1750 (+8.89)	0.15 (37)	21	13	35	12	13	14	13	11
	+1000 (+5.08)	0.06 (15)	21	11	38	11	12	14	13	11
60 (1500)	0 (0)	0.00 (0)	19	11	35	10	13	14	13	11
	-1000 (-5.08)	0.06 (15)	22	14	38	11	13	14	13	11
	-1750 (-8.89)	0.15 (37)	24	17	36	14	15	14	12	10
	-2500 (-12.7)	0.31 (77)	26	20	33	16	16	15	11	10
	+2500 (+12.7)	0.34 (83)	21	17	31	16	16	17	15	12
	+1750 (+8.89)	0.17 (41)	21	16	38	14	14	15	15	13
	+1000 (+5.08)	0.07 (16)	20	14	39	12	13	15	15	13
72 (1800)	0 (0)	0.00 (0)	18	12	36	11	13	15	14	12
	-1000 (-5.08)	0.07 (16)	21	15	40	12	14	15	14	12
	-1750 (-8.89)	0.17 (41)	23	19	39	15	15	15	13	11
	-2500 (-12.7)	0.34 (83)	24	21	37	17	17	16	14	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.05 (12)	0.12 (31)	0.25 (62)
48 (1200)	0.05 (13)	0.14 (34)	0.28 (69)
60 (1500)	0.06 (15)	0.15 (37)	0.31 (77)
72 (1800)	0.07 (16)	0.17 (41)	0.34 (83)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	68	63	57	49	50	54	51	42
	+1750 (+8.89)	62	55	48	42	43	44	41	35
All Lengths	+1000 (+5.08)	54	41	33	31	32	29	24	23
	-1000 (-5.08)	56	41	36	36	37	32	25	25
	-1750 (-8.89)	56	47	45	44	47	48	43	36
	-2500 (-12.7)	57	51	50	49	53	57	55	43

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHS/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	20	20	36-120
Metric	300	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.25 (62)	9	6	12	27	14	9	8	6
	+1750 (+8.89)	0.12 (30)	9	6	11	27	12	9	8	6
	+1000 (+5.08)	0.04 (11)	10	5	10	25	11	8	7	6
	0 (0)	0.00 (0)	10	4	8	22	11	8	7	6
	-1000 (-5.08)	0.04 (11)	11	5	10	25	12	8	8	7
	-1750 (-8.89)	0.12 (30)	12	6	12	26	13	8	8	7
	-2500 (-12.7)	0.25 (62)	12	7	13	26	14	9	8	6
48 (1200)	+2500 (+12.7)	0.27 (68)	13	8	14	28	15	11	9	8
	+1750 (+8.89)	0.14 (34)	13	7	13	28	14	10	10	8
	+1000 (+5.08)	0.05 (12)	13	6	11	26	12	10	9	8
	0 (0)	0.00 (0)	13	5	9	24	12	10	9	8
	-1000 (-5.08)	0.05 (12)	14	6	11	25	13	10	9	8
	-1750 (-8.89)	0.14 (34)	15	7	14	27	14	10	9	8
	-2500 (-12.7)	0.27 (68)	14	9	16	27	16	11	9	8
60 (1500)	+2500 (+12.7)	0.30 (73)	17	9	16	29	17	13	11	9
	+1750 (+8.89)	0.16 (39)	16	8	15	29	15	12	11	10
	+1000 (+5.08)	0.06 (14)	16	7	13	27	14	12	11	10
	0 (0)	0.00 (0)	17	6	11	25	14	11	11	10
	-1000 (-5.08)	0.06 (14)	17	8	13	26	14	11	11	10
	-1750 (-8.89)	0.16 (39)	17	9	16	28	16	11	11	9
	-2500 (-12.7)	0.30 (73)	17	10	18	28	17	12	11	9
72 (1800)	+2500 (+12.7)	0.32 (80)	17	10	17	27	17	15	13	11
	+1750 (+8.89)	0.17 (41)	16	9	16	26	15	14	13	11
	+1000 (+5.08)	0.06 (15)	15	8	14	24	14	13	13	11
	0 (0)	0.00 (0)	17	6	11	22	14	13	12	11
	-1000 (-5.08)	0.06 (15)	17	8	14	23	14	13	12	11
	-1750 (-8.89)	0.17 (41)	18	9	17	25	16	13	12	10
	-2500 (-12.7)	0.32 (80)	21	11	20	26	18	14	12	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (11)	0.12 (30)	0.25 (62)
48 (1200)	0.05 (12)	0.14 (34)	0.27 (68)
60 (1500)	0.06 (14)	0.16 (39)	0.30 (73)
72 (1800)	0.06 (15)	0.17 (41)	0.32 (80)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	69	61	55	49	51	55	53	43
	+1750 (+8.89)	63	53	46	42	44	45	42	35
	+1000 (+5.08)	54	41	32	31	34	30	24	22
	-1000 (-5.08)	53	40	37	37	37	33	26	23
	-1750 (-8.89)	58	50	46	45	48	49	45	37
	-2500 (-12.7)	61	56	51	51	55	58	56	45

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHB/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	30	30	36-120
Metric	300	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.25 (63)	12	12	28	11	10	10	8	6
	+1750 (+8.89)	0.13 (31)	12	11	27	10	10	9	8	6
	+1000 (+5.08)	0.04 (11)	12	10	25	9	9	9	8	6
36 (900)	0 (0)	0.00 (0)	13	8	21	7	9	9	8	7
	-1000 (-5.08)	0.04 (11)	15	10	25	9	10	9	8	7
	-1750 (-8.89)	0.13 (31)	16	13	29	11	11	9	8	7
	-2500 (-12.7)	0.25 (63)	18	14	31	12	12	10	8	7
	+2500 (+12.7)	0.27 (68)	16	13	31	12	12	12	10	8
	+1750 (+8.89)	0.14 (34)	15	12	30	11	11	11	10	8
	+1000 (+5.08)	0.05 (12)	16	11	27	9	10	11	9	8
48 (1200)	0 (0)	0.00 (0)	15	9	24	8	10	11	9	8
	-1000 (-5.08)	0.05 (12)	18	11	28	9	11	11	9	8
	-1750 (-8.89)	0.14 (34)	19	14	32	12	12	11	9	8
	-2500 (-12.7)	0.27 (68)	21	16	33	14	13	11	9	8
	+2500 (+12.7)	0.30 (73)	20	14	34	14	13	13	11	9
	+1750 (+8.89)	0.15 (36)	19	13	33	12	12	12	11	10
	+1000 (+5.08)	0.06 (14)	19	11	29	10	11	12	11	10
60 (1500)	0 (0)	0.00 (0)	17	9	26	9	11	12	11	10
	-1000 (-5.08)	0.06 (14)	21	12	31	10	12	12	11	10
	-1750 (-8.89)	0.15 (36)	22	14	35	13	13	12	11	10
	-2500 (-12.7)	0.30 (73)	24	17	35	15	14	13	11	9
	+2500 (+12.7)	0.33 (81)	18	14	33	17	15	15	13	11
	+1750 (+8.89)	0.17 (42)	18	13	35	15	13	14	13	11
	+1000 (+5.08)	0.06 (15)	18	11	33	12	12	13	13	12
72 (1800)	0 (0)	0.00 (0)	16	9	29	11	12	13	13	12
	-1000 (-5.08)	0.06 (15)	19	12	34	12	13	13	12	11
	-1750 (-8.89)	0.17 (42)	21	14	37	15	14	13	12	11
	-2500 (-12.7)	0.33 (81)	22	16	38	16	15	14	14	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (11)	0.13 (31)	0.25 (63)
48 (1200)	0.05 (12)	0.14 (34)	0.27 (68)
60 (1500)	0.06 (14)	0.15 (36)	0.30 (73)
72 (1800)	0.06 (15)	0.17 (42)	0.33 (81)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	69	64	58	50	52	56	54	45
	+1750 (+8.89)	63	56	49	44	46	47	44	38
All Lengths	+1000 (+5.08)	56	44	36	34	36	33	28	27
	-1000 (-5.08)	58	42	39	38	39	36	29	28
	-1750 (-8.89)	58	50	48	45	49	51	47	40
	-2500 (-12.7)	59	55	53	50	56	60	58	47

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHS/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	20	20	36-120
Metric	350	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.21 (53)	8	5	9	23	13	8	7	5
	+1750 (+8.89)	0.10 (26)	8	4	8	23	11	8	7	5
	+1000 (+5.08)	0.04 (10)	8	4	7	21	10	7	7	5
	0 (0)	0.00 (0)	8	3	6	20	10	7	7	6
	-1000 (-5.08)	0.04 (10)	9	4	7	21	11	8	7	6
	-1750 (-8.89)	0.10 (26)	10	5	9	22	12	8	7	6
	-2500 (-12.7)	0.21 (53)	11	5	10	22	14	9	7	6
48 (1200)	+2500 (+12.7)	0.23 (58)	11	6	11	25	15	10	8	6
	+1750 (+8.89)	0.12 (29)	11	5	10	24	13	9	9	6
	+1000 (+5.08)	0.04 (11)	11	5	8	23	12	9	8	7
	0 (0)	0.00 (0)	11	4	7	22	12	9	9	7
	-1000 (-5.08)	0.04 (11)	12	5	9	23	13	9	9	7
	-1750 (-8.89)	0.12 (29)	13	6	11	24	14	9	9	7
	-2500 (-12.7)	0.23 (58)	13	7	12	24	16	10	9	7
60 (1500)	+2500 (+12.7)	0.25 (63)	14	7	12	27	16	12	10	7
	+1750 (+8.89)	0.13 (33)	15	6	11	26	15	11	10	8
	+1000 (+5.08)	0.05 (12)	14	6	9	25	13	11	10	8
	0 (0)	0.00 (0)	14	5	8	24	14	10	10	8
	-1000 (-5.08)	0.05 (12)	15	6	10	25	14	10	10	8
	-1750 (-8.89)	0.13 (33)	15	7	12	26	16	10	10	8
	-2500 (-12.7)	0.25 (63)	16	8	14	25	18	12	10	8
72 (1800)	+2500 (+12.7)	0.28 (70)	15	7	14	25	17	13	11	9
	+1750 (+8.89)	0.14 (36)	15	7	12	24	16	12	11	9
	+1000 (+5.08)	0.05 (13)	15	6	11	23	14	12	11	9
	0 (0)	0.00 (0)	14	5	8	22	14	11	11	10
	-1000 (-5.08)	0.05 (13)	16	6	11	23	15	12	11	9
	-1750 (-8.89)	0.14 (36)	17	8	13	24	16	12	11	9
	-2500 (-12.7)	0.28 (70)	19	9	16	25	18	13	11	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (10)	0.10 (26)	0.21 (53)
48 (1200)	0.05 (11)	0.12 (29)	0.23 (58)
60 (1500)	0.05 (12)	0.13(33)	0.25 (63)
72 (1800)	0.05 (13)	0.14 (36)	0.28 (70)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	70	62	54	49	52	56	54	46
	+1750 (+8.89)	64	54	46	43	45	46	43	37
	+1000 (+5.08)	54	42	33	32	35	31	26	23
	-1000 (-5.08)	54	42	38	39	39	35	28	24
	-1750 (-8.89)	59	52	47	47	49	50	46	39
	-2500 (-12.7)	63	58	53	53	56	60	58	48

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHB/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	30	30	36-120
Metric	350	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.21 (52)	10	9	24	11	10	9	7	5
	+1750 (+8.89)	0.10 (25)	10	9	23	10	9	8	7	5
	+1000 (+5.08)	0.04 (10)	10	8	21	8	8	8	7	5
36 (900)	0 (0)	0.00 (0)	10	7	18	8	8	8	7	6
	-1000 (-5.08)	0.04 (10)	12	8	22	9	9	8	8	6
	-1750 (-8.89)	0.10 (25)	13	10	25	11	10	9	8	6
	-2500 (-12.7)	0.21 (52)	14	12	27	12	11	9	8	6
	+2500 (+12.7)	0.23 (58)	13	11	27	13	11	11	9	6
	+1750 (+8.89)	0.11 (28)	13	10	26	11	10	10	9	7
	+1000 (+5.08)	0.04 (11)	13	9	23	9	9	10	9	7
48 (1200)	0 (0)	0.00 (0)	12	8	20	8	9	10	9	7
	-1000 (-5.08)	0.04 (11)	14	10	24	10	10	10	9	7
	-1750 (-8.89)	0.11 (28)	15	12	28	12	11	10	9	7
	-2500 (-12.7)	0.23 (58)	17	14	29	14	13	11	9	7
	+2500 (+12.7)	0.25 (63)	16	13	29	14	12	12	10	8
	+1750 (+8.89)	0.13 (31)	15	12	29	12	11	11	10	8
	+1000 (+5.08)	0.05 (12)	15	11	25	10	10	11	10	8
60 (1500)	0 (0)	0.00 (0)	14	9	22	9	10	11	10	9
	-1000 (-5.08)	0.05 (12)	17	12	26	10	11	11	11	9
	-1750 (-8.89)	0.13 (31)	18	14	30	13	12	11	10	8
	-2500 (-12.7)	0.25 (63)	20	16	32	15	14	12	10	8
	+2500 (+12.7)	0.28 (70)	15	13	31	17	14	14	12	9
	+1750 (+8.89)	0.14 (36)	15	13	32	16	13	13	12	9
	+1000 (+5.08)	0.05 (13)	15	11	29	13	12	12	12	10
72 (1800)	0 (0)	0.00 (0)	13	9	24	11	11	12	12	10
	-1000 (-5.08)	0.05 (13)	16	12	29	12	12	12	12	10
	-1750 (-8.89)	0.14 (36)	17	14	33	16	14	12	11	9
	-2500 (-12.7)	0.28 (70)	20	16	35	18	15	14	13	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (10)	0.10 (25)	0.21 (52)
48 (1200)	0.04 (11)	0.11 (28)	0.23 (58)
60 (1500)	0.05 (12)	0.13 (31)	0.25 (63)
72 (1800)	0.05 (13)	0.142(36)	0.28 (70)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	71	63	57	50	53	57	55	46
	+1750 (+8.89)	65	55	48	44	46	47	44	38
All Lengths	+1000 (+5.08)	55	43	34	34	36	32	27	25
	-1000 (-5.08)	56	43	39	38	40	36	29	27
	-1750 (-8.89)	59	52	48	46	49	51	48	40
	-2500 (-12.7)	61	57	53	51	56	61	59	49

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHS/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	20	20	36-120
Metric	400	500	500	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
36 (900)	+2500 (+12.7)	0.18 (44)	6	3	6	18	12	7	6	4
	+1750 (+8.89)	0.09 (22)	6	3	5	19	11	7	6	4
	+1000 (+5.08)	0.04 (9)	7	3	4	18	9	7	6	4
	0 (0)	0.00 (0)	6	2	4	17	10	7	7	5
	-1000 (-5.08)	0.04 (9)	7	2	5	18	10	7	7	5
	-1750 (-8.89)	0.09 (22)	8	3	6	18	12	7	7	5
	-2500 (-12.7)	0.18 (44)	9	4	7	19	14	8	7	5
48 (1200)	+2500 (+12.7)	0.20 (49)	9	4	7	22	14	9	7	5
	+1750 (+8.89)	0.10 (25)	10	4	6	21	12	8	8	5
	+1000 (+5.08)	0.04 (10)	10	4	5	20	11	8	7	5
	0 (0)	0.00 (0)	9	3	4	20	12	8	8	6
	-1000 (-5.08)	0.04 (10)	10	3	6	21	12	8	8	6
	-1750 (-8.89)	0.10 (25)	11	4	7	21	14	8	8	6
	-2500 (-12.7)	0.20 (49)	12	5	9	21	16	10	8	6
60 (1500)	+2500 (+12.7)	0.21 (53)	12	5	9	25	16	10	8	6
	+1750 (+8.89)	0.11 (27)	13	4	8	24	14	9	9	6
	+1000 (+5.08)	0.04 (11)	12	4	6	22	12	9	9	6
	0 (0)	0.00 (0)	11	3	5	23	13	9	9	7
	-1000 (-5.08)	0.04 (11)	13	4	6	24	14	9	9	7
	-1750 (-8.89)	0.11 (27)	14	5	9	24	16	10	9	7
	-2500 (-12.7)	0.21 (53)	15	6	10	23	18	11	9	6
72 (1800)	+2500 (+12.7)	0.24 (59)	14	5	10	23	17	11	10	7
	+1750 (+8.89)	0.12 (30)	14	5	9	23	16	10	10	7
	+1000 (+5.08)	0.05 (12)	14	5	8	21	14	10	10	7
	0 (0)	0.00 (0)	12	4	6	21	15	10	10	8
	-1000 (-5.08)	0.05 (12)	14	4	7	22	15	10	11	8
	-1750 (-8.89)	0.12 (30)	16	6	9	22	17	10	10	8
	-2500 (-12.7)	0.24 (59)	18	7	11	23	19	12	10	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.04 (9)	0.09(22)	0.18 (44)
48 (1200)	0.04 (10)	0.10 (25)	0.20 (49)
60 (1500)	0.04 (11)	0.11 (27)	0.21 (53)
72 (1800)	0.05 (12)	0.12 (30)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+2500 (+12.7)	71	62	53	50	53	57	55	48
	+1750 (+8.89)	65	54	46	43	46	48	44	39
	+1000 (+5.08)	54	43	34	33	36	33	27	23
	-1000 (-5.08)	54	44	40	42	41	37	29	25
	-1750 (-8.89)	61	54	49	50	50	52	48	41
	-2500 (-12.7)	65	61	55	55	56	61	60	50

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PCHB/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	30	30	36-120
Metric	400	750	750	900-3000

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.16 (41)	8	7	20	11	9	8	7	4
	+1750 (+8.89)	0.07 (18)	8	7	19	10	8	7	7	5
	+1000 (+5.08)	0.03 (8)	8	6	18	8	7	7	7	5
36 (900)	0 (0)	0.00 (0)	7	5	15	8	7	7	7	6
	-1000 (-5.08)	0.03 (8)	9	7	18	9	8	8	7	6
	-1750 (-8.89)	0.07 (18)	10	8	21	11	9	8	8	6
	-2500 (-12.7)	0.16 (41)	11	9	23	12	10	9	8	6
	+2500 (+12.7)	0.19 (47)	10	9	23	13	11	10	8	5
	+1750 (+8.89)	0.09 (22)	10	9	21	11	9	9	8	5
	+1000 (+5.08)	0.04 (9)	10	8	19	9	8	9	8	6
48 (1200)	0 (0)	0.00 (0)	8	7	17	8	8	9	9	6
	-1000 (-5.08)	0.04 (9)	10	9	20	10	9	9	9	6
	-1750 (-8.89)	0.09 (22)	11	10	24	12	10	9	9	6
	-2500 (-12.7)	0.19 (47)	14	12	26	14	12	10	9	6
	+2500 (+12.7)	0.21 (53)	11	12	25	14	12	11	9	6
	+1750 (+8.89)	0.11 (27)	12	11	24	12	10	10	9	6
	+1000 (+5.08)	0.04 (10)	11	10	21	10	9	10	9	7
60 (1500)	0 (0)	0.00 (0)	10	9	19	9	9	10	10	7
	-1000 (-5.08)	0.04 (10)	12	11	22	11	10	10	10	7
	-1750 (-8.89)	0.11 (27)	13	13	26	13	11	11	10	7
	-2500 (-12.7)	0.21 (53)	17	15	29	16	13	12	10	7
	+2500 (+12.7)	0.24 (59)	12	12	28	18	14	13	10	7
	+1750 (+8.89)	0.12 (29)	12	12	28	17	13	12	10	7
	+1000 (+5.08)	0.05 (11)	12	11	25	14	11	11	11	7
72 (1800)	0 (0)	0.00 (0)	10	9	20	11	10	11	11	8
	-1000 (-5.08)	0.05 (11)	12	11	24	13	11	12	11	8
	-1750 (-8.89)	0.12 (29)	14	14	28	17	13	12	11	8
	-2500 (-12.7)	0.24 (59)	17	16	31	20	15	13	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
36 (900)	0.03 (8)	0.07 (18)	0.16 (41)
48 (1200)	0.04 (9)	0.09 (22)	0.19 (47)
60 (1500)	0.04 (10)	0.11 (27)	0.21 (53)
72 (1800)	0.05 (11)	0.12 (29)	0.24 (59)

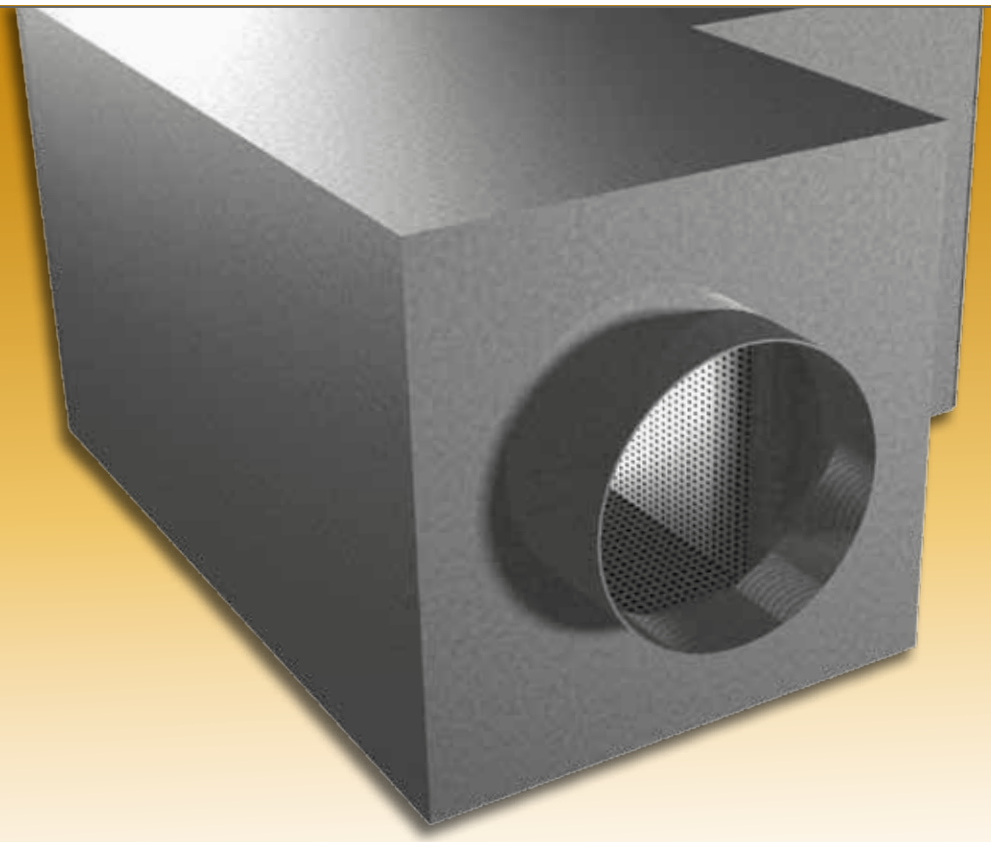
Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	73	62	55	49	53	57	56	47
	+1750 (+8.89)	66	54	46	43	46	47	44	38
All Lengths	+1000 (+5.08)	55	42	32	34	36	32	26	23
	-1000 (-5.08)	54	44	40	39	40	36	29	26
	-1750 (-8.89)	59	53	48	47	50	52	48	41
	-2500 (-12.7)	63	59	53	51	56	61	60	50

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

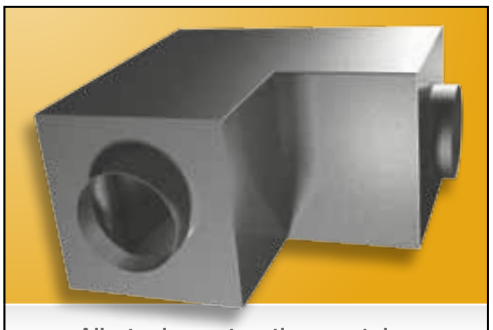


Elbow Circular

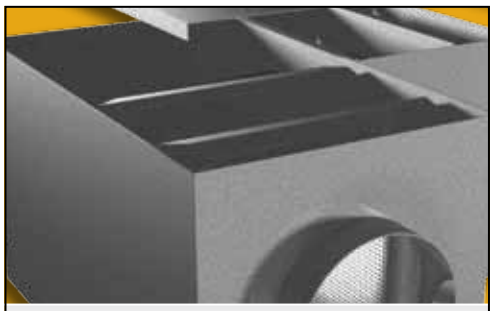
PACKLESS SILENCERS

The elbow circular design is a great alternative to the packless circular design when insufficient duct run is available. The specially designed perforated liners and tuned resonator chambers have been optimized to provide excellent sound attenuation and a low pressure drop.

Tuned to provide maximum attenuation without the use of acoustic media in circular duct with limited space.



All-steel construction contains no acoustic media



Tuned cavities provide broadband attenuation

Ideal for environments where contaminants may be present

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Product Information

Models

Elbow Circular Silencers

Packless Elbow Circular Low Velocity **PECL(S,B)**

Packless Elbow Circular Medium Velocity **PECM(S,B)**

Packless Elbow Circular High Velocity **PECH(S,B)**

Price Packless Elbow Circular Silencers Are designed to provide solutions to HVAC noise control applications where fibrous acoustic material is not permitted in circular ductwork systems. The aerodynamically designed internal geometry optimizes attenuation and pressure drop performance. The Price line of available standard sizes offers excellent flexibility to ductwork design, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and the application.

Features

- Eliminates the possibility of fibers entering the air stream or of contamination.
- Absence of media provides ability to sanitize the silencer.
- All steel construction allows for use in applications where corrosive gasses are present.
- Optimally tuned resonator chambers to provide maximum attenuation performance.
- Engineered internal geometries to minimize turbulence and reduce pressure drop.
- 2 in. slip connection on both ends.

PECL (S,B) Silencers

This low velocity configuration provides the highest insertion loss levels across the target range of frequencies, and the tapered tail arrangement allows for static regain to minimize pressure drop. This configuration is best suited for applications with velocities of 750 fpm or less.

PECM (S,B) Silencers

This medium velocity configuration provides high levels of insertion loss across the full range of frequencies, and the tapered tail arrangement allows for static regain to minimize pressure drop. This configuration is best suited for applications with velocities of 1750 fpm or less.

PECH (S,B) Silencers

This high velocity configuration minimizes the pressure drop that can occur at higher velocities, while still providing high levels of insertion loss across the targeted range of frequencies. The PECH silencer is best suited for applications where high air velocities cannot be avoided.

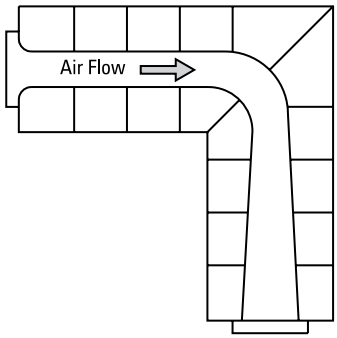
Please contact your local Price sales rep for high velocity or high pressure systems.

Recommended Air Velocity Ranges

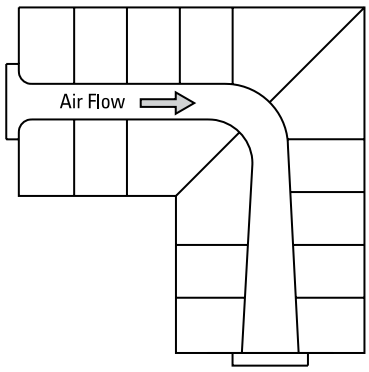
Price recommends that silencers are selected within the following duct velocity ranges:

Model	Description	Air Velocity Range (fpm)
PECL (S,B)	Low Velocity Silencer	0 - 750
PECM (S,B)	Medium Velocity Silencer	0-1750
PECH (S,B)	High Velocity Silencer	0-2500

PECMS - Packless Elbow Circular Medium Velocity



PECMB – Packless Elbow Circular Medium Velocity



PECMS60/12

- Air Velocity
  - L - Low Velocity
  - M - Medium Velocity
  - H - HighVelocity
- S - 20" x 20" Casing
- B - 30" x 30" Casing
- Length Range from 40" - 86"
- Duct Diameter
  - 6 - 6"
  - 8 – 8"
  - 10 – 10"
  - 12 – 12"
  - 14 – 14"
  - 16 – 16"

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Product Information

Construction

Price packless elbow circular silencers consist of solid metal casing, splitters and a minimum 26 gauge perforated metal liner. These silencers are available in various classifications to meet the specific requirements of each project.

CL1 – 22 gauge casing

CL2 – 18 gauge casing

****HTL1** – 16 gauge casing

****HTL2** – 10 gauge casing

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

† Sheet metal gauge may differ from standard values.

Dimensional Data

Price packless elbow circular silencers are built to match the duct dimensions, therefore the duct diameter, width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

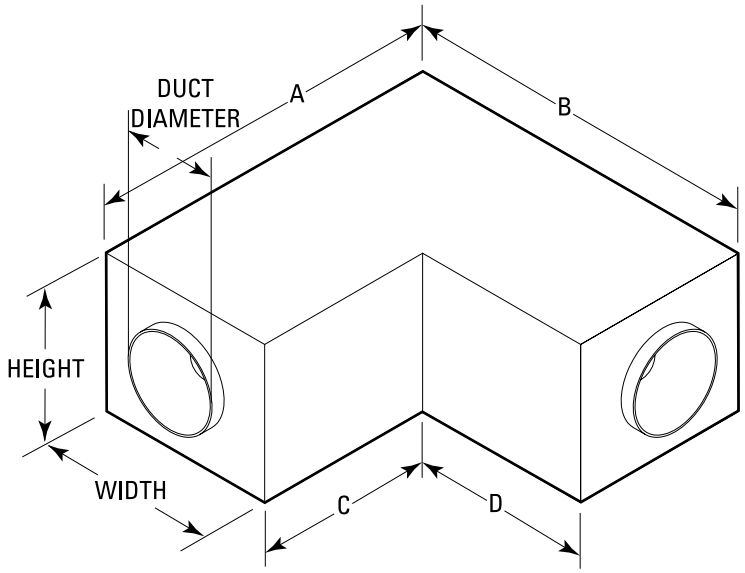
- Paint
- Flanges
- Access Doors
- Transitions
- Mounting Feet
- Drainage Plugs
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Transmission Loss

Construction		Transmission Loss (Rectangular Silencer)							
Class	Gauge	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
CL1	22	25	26	28	30	33	37	40	40
CL2	18	27	28	30	32	35	38	41	41
**HTL1	16	28	29	31	33	36	39	42	42
**HTL2	10	31	33	34	36	38	42	45	45

**HTL1 and HTL2 casings are constructed of heavy gauge material and are designed for applications where High SoundTransmission Losses are required to prevent unwanted noise from breaking out of the silencer casing.



Standard Dimension Limits

Model Type	Duct Diameter		Length		Width	Height
	Min	Max	Min	Max		
S	6	16	40	84	20	20
B	6	16	42	86	30	30

Leg A		Leg B		Leg C		Leg D	
Min	Max	Min	Max	Min	Max	Min	Max
28	58	28	58	8	28	8	28

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.

NOISE CONTROL

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLS/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	20	20	40-84
Metric	200	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
40 (1000)	+750 (+3.81)	0.10 (25)	9	9	28	21	16	13	11	7
	+500 (+2.54)	0.06 (14)	10	10	26	19	15	13	11	7
	0 (0)	0.00 (0)	9	10	27	19	14	12	11	7
	-500 (-2.54)	0.06 (14)	9	13	25	18	14	13	11	7
	-750 (-3.81)	0.10 (25)	7	12	26	19	15	13	11	7
52 (1300)	+750 (+3.81)	0.11 (27)	13	11	28	23	18	16	14	10
	+500 (+2.54)	0.06 (14)	14	12	27	22	18	15	13	10
	0 (0)	0.00 (0)	13	11	26	21	16	15	13	10
	-500 (-2.54)	0.06 (14)	13	12	25	20	17	15	13	10
	-750 (-3.81)	0.11 (27)	12	13	26	21	17	15	13	10
64 (1600)	+750 (+3.81)	0.11 (28)	18	13	28	25	21	18	16	13
	+500 (+2.54)	0.06 (15)	18	13	28	25	20	18	16	13
	0 (0)	0.00 (0)	17	12	25	22	19	17	15	13
	-500 (-2.54)	0.06 (15)	18	12	25	22	19	17	15	13
	-750 (-3.81)	0.11 (28)	18	14	27	23	19	17	15	13
76 (1900)	+750 (+3.81)	0.12 (30)	22	15	29	27	23	21	18	16
	+500 (+2.54)	0.06 (15)	23	15	28	27	23	21	18	16
	0 (0)	0.00 (0)	21	13	24	24	21	20	17	16
	-500 (-2.54)	0.06 (15)	22	12	25	24	21	19	17	15
	-750 (-3.81)	0.12 (30)	23	14	27	26	22	19	16	15
84 (2100)	+750 (+3.81)	0.13 (31)	25	17	29	29	25	22	20	18
	+500 (+2.54)	0.06 (15)	26	17	29	29	25	22	20	18
	0 (0)	0.00 (0)	24	14	24	26	22	21	19	17
	-500 (-2.54)	0.06 (15)	25	12	25	26	22	21	18	17
	-750 (-3.81)	0.13 (31)	26	15	27	27	23	21	18	17

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
40 (1000)	0.06 (14)	0.10 (25)
52 (1200)	0.06 (14)	0.11 (27)
64 (1600)	0.06 (15)	0.11 (28)
76 (1900)	0.06 (15)	0.12 (30)
84 (2100)	0.06 (15)	0.13 (31)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	51	43	38	38	34	27	27
	+500 (+2.54)	67	48	37	32	31	26	20	26
	-500 (-2.54)	68	48	32	25	22	20	20	27
	-750 (-3.81)	68	49	34	30	28	23	21	27

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLB/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	30	30	42-86
Metric	200	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
42 (1050)	+750 (+3.81)	0.15 (36)	17	19	39	20	21	15	12	11
	+500 (+2.54)	0.08 (19)	17	17	35	19	20	15	12	11
	0 (0)	0.00 (0)	16	15	31	19	20	15	11	10
	-500 (-2.54)	0.08 (19)	11	18	35	20	19	15	11	10
	-750 (-3.81)	0.15 (36)	11	20	38	20	19	15	11	10
54 (1350)	+750 (+3.81)	0.14 (34)	20	20	40	24	22	17	14	12
	+500 (+2.54)	0.07 (17)	19	19	39	23	21	17	14	12
	0 (0)	0.00 (0)	18	17	37	23	20	16	13	11
	-500 (-2.54)	0.07 (17)	15	18	38	23	20	17	13	11
	-750 (-3.81)	0.14 (34)	15	20	41	24	20	17	13	11
66 (1650)	+750 (+3.81)	0.13 (32)	22	22	41	29	23	19	16	13
	+500 (+2.54)	0.07 (16)	22	21	43	28	22	19	15	13
	0 (0)	0.00 (0)	21	19	43	26	21	18	15	13
	-500 (-2.54)	0.07 (16)	19	19	41	26	21	18	15	13
	-750 (-3.81)	0.13 (32)	19	20	44	27	21	18	15	13
78 (1950)	+750 (+3.81)	0.12 (30)	25	23	43	33	24	21	17	14
	+500 (+2.54)	0.06 (15)	24	23	46	32	23	20	17	14
	0 (0)	0.00 (0)	24	20	49	30	21	20	17	14
	-500 (-2.54)	0.06 (15)	23	19	44	29	21	20	17	14
	-750 (-3.81)	0.12 (30)	22	20	47	30	22	20	16	14
86 (2150)	+750 (+3.81)	0.12 (29)	26	24	43	36	25	22	19	15
	+500 (+2.54)	0.06 (14)	26	24	49	35	24	21	19	15
	0 (0)	0.00 (0)	26	22	53	32	22	21	18	15
	-500 (-2.54)	0.06 (14)	25	20	46	31	22	21	18	15
	-750 (-3.81)	0.12 (29)	25	20	49	32	23	21	18	15

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
42 (1050)	0.08 (19)	0.15 (36)
54 (1350)	0.07 (17)	0.14 (34)
66 (1650)	0.07 (16)	0.13 (32)
78 (1950)	0.06 (15)	0.12 (30)
86 (2150)	0.06 (14)	0.12 (29)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	51	44	38	38	35	27	27
	+500 (+2.54)	67	47	38	33	32	27	21	26
	-500 (-2.54)	68	47	32	25	23	20	20	27
	-750 (-3.81)	68	48	34	29	29	23	21	27

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLS/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	20	20	40-84
Metric	250	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
40 (1000)	+750 (+3.81)	0.13 (32)	9	8	26	24	16	14	12	8
	+500 (+2.54)	0.06 (15)	9	7	24	22	15	13	11	8
	0 (0)	0.00 (0)	9	8	24	21	15	13	12	9
	-500 (-2.54)	0.06 (15)	8	10	21	21	15	13	11	8
	-750 (-3.81)	0.13 (32)	8	10	23	22	16	13	11	8
52 (1300)	+750 (+3.81)	0.13 (32)	12	9	26	25	18	14	12	9
	+500 (+2.54)	0.06 (15)	13	9	24	24	17	14	12	9
	0 (0)	0.00 (0)	12	9	23	23	16	14	12	10
	-500 (-2.54)	0.06 (15)	11	10	21	22	16	14	11	9
	-750 (-3.81)	0.13 (32)	11	11	23	24	17	14	11	9
64 (1600)	+750 (+3.81)	0.13 (32)	16	11	25	26	19	15	13	10
	+500 (+2.54)	0.06 (16)	16	11	24	25	18	15	13	10
	0 (0)	0.00 (0)	15	10	22	24	17	14	13	10
	-500 (-2.54)	0.06 (16)	15	10	22	24	17	14	12	10
	-750 (-3.81)	0.13 (32)	15	11	24	25	18	15	12	10
76 (1900)	+750 (+3.81)	0.13 (32)	19	12	25	27	20	16	14	11
	+500 (+2.54)	0.07 (17)	20	12	24	27	20	16	13	11
	0 (0)	0.00 (0)	19	11	21	25	18	15	13	11
	-500 (-2.54)	0.07 (17)	18	11	22	26	18	15	13	11
	-750 (-3.81)	0.13 (32)	19	12	24	27	19	15	13	11
84 (2100)	+750 (+3.81)	0.13 (32)	21	13	25	28	21	16	14	11
	+500 (+2.54)	0.07 (17)	22	13	24	29	21	16	14	11
	0 (0)	0.00 (0)	21	11	20	26	19	15	13	11
	-500 (-2.54)	0.07 (17)	21	11	23	27	18	15	13	11
	-750 (-3.81)	0.13 (32)	21	12	24	28	19	16	13	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
40 (1000)	0.06 (15)	0.13 (32)
52 (1200)	0.06 (15)	0.13 (32)
64 (1600)	0.06 (16)	0.13 (32)
76 (1900)	0.07 (17)	0.13 (32)
84 (2100)	0.07 (17)	0.13 (32)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	51	43	38	39	37	31	29
	+500 (+2.54)	66	47	36	32	32	27	23	27
	-500 (-2.54)	66	46	32	27	25	20	21	28
	-750 (-3.81)	66	47	35	32	32	28	26	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLB/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	30	30	42-86
Metric	250	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.15 (38)	15	18	42	21	20	15	12	9
	+500 (+2.54)	0.07 (17)	14	16	38	20	18	14	12	9
42 (1050)	0 (0)	0.00 (0)	14	15	35	20	18	14	12	10
	-500 (-2.54)	0.07 (17)	8	17	36	20	18	14	11	9
	-750 (-3.81)	0.15 (38)	9	19	38	21	18	14	11	9
	+750 (+3.81)	0.15 (36)	18	19	41	23	20	16	13	10
	+500 (+2.54)	0.07 (17)	18	17	39	22	19	15	12	10
54 (1350)	0 (0)	0.00 (0)	17	16	37	21	18	15	12	10
	-500 (-2.54)	0.07 (17)	13	17	37	21	18	15	12	9
	-750 (-3.81)	0.15 (36)	14	19	40	22	18	15	12	9
	+750 (+3.81)	0.14 (35)	22	19	40	25	20	16	13	10
	+500 (+2.54)	0.07 (17)	21	18	40	24	19	16	13	10
66 (1650)	0 (0)	0.00 (0)	21	17	39	23	18	16	13	10
	-500 (-2.54)	0.07 (17)	18	17	39	22	18	16	13	10
	-750 (-3.81)	0.14 (35)	19	19	42	24	19	16	13	10
	+750 (+3.81)	0.14 (34)	25	20	39	27	20	17	14	10
	+500 (+2.54)	0.07 (17)	25	19	40	25	19	17	14	10
78 (1950)	0 (0)	0.00 (0)	25	17	41	24	18	16	13	10
	-500 (-2.54)	0.07 (17)	24	17	41	24	18	17	13	11
	-750 (-3.81)	0.14 (34)	24	19	44	25	19	17	13	10
	+750 (+3.81)	0.13 (33)	27	20	38	28	20	18	14	11
	+500 (+2.54)	0.07 (17)	27	20	41	27	19	17	14	11
86 (2150)	0 (0)	0.00 (0)	27	18	42	25	18	17	14	10
	-500 (-2.54)	0.07 (17)	27	18	42	25	18	17	14	11
	-750 (-3.81)	0.13 (33)	27	19	45	26	19	17	14	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
42 (1050)	0.07 (17)	0.15 (38)
54 (1350)	0.07 (17)	0.15 (36)
66 (1650)	0.07 (17)	0.14 (35)
78 (1950)	0.07 (17)	0.14 (34)
86 (2150)	0.07 (17)	0.13 (33)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	67	51	44	38	39	37	31	30
All Lengths	+500 (+2.54)	65	46	37	32	32	28	23	28
	-500 (-2.54)	65	45	32	27	26	22	22	28
	-750 (-3.81)	65	46	36	32	32	28	25	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLS/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	20	20	40-84
Metric	300	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
40 (1000)	+750 (+3.81)	0.16 (39)	10	7	24	27	17	14	12	8
	+500 (+2.54)	0.06 (16)	9	5	22	24	16	14	12	8
	0 (0)	0.00 (0)	9	6	22	24	15	14	13	11
	-500 (-2.54)	0.06 (16)	7	7	16	23	16	14	11	8
	-750 (-3.81)	0.16 (39)	8	8	19	25	16	14	11	8
52 (1300)	+750 (+3.81)	0.15 (38)	12	8	23	27	17	13	11	7
	+500 (+2.54)	0.07 (17)	11	7	21	25	16	13	11	7
	0 (0)	0.00 (0)	11	7	20	25	15	13	11	9
	-500 (-2.54)	0.07 (17)	9	8	17	24	15	13	10	8
	-750 (-3.81)	0.15 (38)	10	9	20	26	16	13	10	7
64 (1600)	+750 (+3.81)	0.15 (36)	14	9	22	28	17	12	10	6
	+500 (+2.54)	0.07 (18)	14	8	20	26	16	12	10	6
	0 (0)	0.00 (0)	13	8	19	26	15	11	10	7
	-500 (-2.54)	0.07 (18)	12	9	19	26	15	12	10	7
	-750 (-3.81)	0.15 (36)	13	9	21	27	16	12	10	7
76 (1900)	+750 (+3.81)	0.14 (35)	16	10	21	28	17	11	9	6
	+500 (+2.54)	0.08 (19)	16	9	20	28	16	11	9	5
	0 (0)	0.00 (0)	16	8	17	27	15	10	9	5
	-500 (-2.54)	0.08 (19)	15	9	20	27	15	11	9	6
	-750 (-3.81)	0.14 (35)	15	9	21	28	16	11	9	6
84 (2100)	+750 (+3.81)	0.14 (34)	18	10	21	28	18	11	9	5
	+500 (+2.54)	0.08 (19)	18	10	19	28	16	10	8	5
	0 (0)	0.00 (0)	17	9	16	27	15	9	8	4
	-500 (-2.54)	0.08 (19)	17	10	21	28	15	10	8	5
	-750 (-3.81)	0.14 (34)	16	9	22	29	16	10	9	6

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
40 (1000)	0.06 (16)	0.16 (39)
52 (1200)	0.07 (17)	0.15 (38)
64 (1600)	0.07 (18)	0.15 (36)
76 (1900)	0.08 (19)	0.14 (35)
84 (2100)	0.08 (19)	0.14 (34)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	68	50	43	39	40	39	35	31
	+500 (+2.54)	65	45	36	32	32	29	26	29
	-500 (-2.54)	63	43	32	29	28	24	24	29
	-750 (-3.81)	64	46	37	35	36	33	30	30

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Performance Data - Model PECLB/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	30	30	42-86
Metric	300	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.16 (39)	13	17	44	22	18	14	12	8
	+500 (+2.54)	0.07 (16)	12	14	42	21	17	13	11	8
42 (1050)	0 (0)	0.00 (0)	12	14	40	21	17	14	13	11
	-500 (-2.54)	0.07 (16)	4	16	36	20	16	13	11	8
	-750 (-3.81)	0.16 (39)	7	17	38	21	17	13	10	7
	+750 (+3.81)	0.15 (38)	17	17	41	22	18	14	11	7
	+500 (+2.54)	0.07 (17)	17	15	39	20	17	13	11	8
54 (1350)	0 (0)	0.00 (0)	17	14	38	20	16	14	12	9
	-500 (-2.54)	0.07 (17)	11	16	36	20	16	13	11	7
	-750 (-3.81)	0.15 (38)	13	18	39	21	16	13	10	7
	+750 (+3.81)	0.15 (38)	22	17	38	21	17	14	11	7
	+500 (+2.54)	0.07 (18)	21	15	37	20	16	13	10	7
66 (1650)	0 (0)	0.00 (0)	21	14	35	19	15	13	11	8
	-500 (-2.54)	0.07 (18)	18	16	37	19	15	13	10	7
	-750 (-3.81)	0.15 (38)	19	18	40	20	16	13	10	7
	+750 (+3.81)	0.15 (37)	26	17	36	21	16	14	10	7
	+500 (+2.54)	0.08 (19)	26	15	34	19	15	13	10	7
78 (1950)	0 (0)	0.00 (0)	25	15	33	18	14	13	10	7
	-500 (-2.54)	0.08 (19)	24	16	37	18	14	13	10	7
	-750 (-3.81)	0.15 (37)	26	18	41	20	15	14	10	7
	+750 (+3.81)	0.15 (37)	29	17	34	21	15	14	10	7
	+500 (+2.54)	0.08 (19)	29	16	32	19	15	13	10	6
86 (2150)	0 (0)	0.00 (0)	28	15	31	17	14	13	9	6
	-500 (-2.54)	0.08 (19)	29	16	38	18	14	13	10	7
	-750 (-3.81)	0.15 (37)	30	18	42	19	15	14	10	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
42 (1050)	0.07 (16)	0.16 (39)
54 (1350)	0.07 (17)	0.15 (38)
66 (1650)	0.007 (18)	0.15 (38)
78 (1950)	0.08 (19)	0.15 (37)
86 (2150)	0.08 (19)	0.15 (37)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	66	50	43	39	39	38	35	33
All Lengths	+500 (+2.54)	64	46	36	32	32	29	26	30
	-500 (-2.54)	63	43	32	29	29	24	24	29
	-750 (-3.81)	63	45	37	35	36	33	30	31

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLS/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	20	20	40-84
Metric	350	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
40 (1000)	+750 (+3.81)	0.17 (43)	9	7	20	24	17	12	10	8
	+500 (+2.54)	0.07 (17)	7	6	18	22	15	12	10	7
	0 (0)	0.00 (0)	7	6	17	21	15	12	10	9
	-500 (-2.54)	0.07 (17)	6	7	14	21	15	11	9	8
	-750 (-3.81)	0.17 (43)	8	8	17	23	15	12	10	7
52 (1300)	+750 (+3.81)	0.17 (41)	10	7	20	26	17	13	10	8
	+500 (+2.54)	0.07 (18)	10	7	18	24	16	12	10	8
	0 (0)	0.00 (0)	9	6	17	23	15	12	10	9
	-500 (-2.54)	0.07 (18)	8	7	16	23	15	12	10	8
	-750 (-3.81)	0.17 (41)	9	8	18	25	16	12	10	8
64 (1600)	+750 (+3.81)	0.16 (40)	12	8	20	27	18	13	11	8
	+500 (+2.54)	0.07 (18)	12	7	18	26	17	12	10	8
	0 (0)	0.00 (0)	11	6	17	25	16	12	10	8
	-500 (-2.54)	0.07 (18)	10	8	18	25	16	12	10	8
	-750 (-3.81)	0.16 (40)	11	8	20	26	17	12	10	8
76 (1900)	+750 (+3.81)	0.15 (38)	14	9	20	29	19	13	11	8
	+500 (+2.54)	0.07 (18)	14	8	19	28	18	13	11	8
	0 (0)	0.00 (0)	13	7	17	27	17	12	10	8
	-500 (-2.54)	0.07 (18)	12	8	20	27	17	12	10	8
	-750 (-3.81)	0.15 (38)	12	8	21	28	18	13	11	8
84 (2100)	+750 (+3.81)	0.15 (36)	15	9	20	29	19	13	11	8
	+500 (+2.54)	0.07 (18)	15	9	19	29	18	13	11	8
	0 (0)	0.00 (0)	15	7	17	28	17	12	10	8
	-500 (-2.54)	0.07 (18)	13	9	21	28	18	13	11	8
	-750 (-3.81)	0.15 (36)	13	8	22	29	18	13	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
40 (1000)	0.07 (17)	0.17 (43)
52 (1200)	0.07 (18)	0.17 (41)
64 (1600)	0.07 (18)	0.16 (40)
76 (1900)	0.07 (18)	0.15(38)
84 (2100)	0.07 (18)	0.15 (36)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	66	49	42	40	42	41	36	31
	+500 (+2.54)	63	45	36	33	34	31	27	28
	-500 (-2.54)	63	43	33	31	30	26	24	28
	-750 (-3.81)	63	46	38	37	38	35	31	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Performance Data - Model PECLB/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	30	30	42-86
Metric	350	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.17 (43)	10	16	37	19	15	12	10	7
	+500 (+2.54)	0.07 (18)	9	14	35	17	14	12	10	7
42 (1050)	0 (0)	0.00 (0)	9	13	32	17	13	12	10	9
	-500 (-2.54)	0.07 (18)	7	16	33	17	14	11	9	7
	-750 (-3.81)	0.17 (43)	8	17	35	18	14	11	9	7
	+750 (+3.81)	0.17 (42)	14	16	37	19	16	13	11	8
	+500 (+2.54)	0.07 (18)	13	15	35	18	15	13	11	8
54 (1350)	0 (0)	0.00 (0)	13	13	32	17	14	12	11	9
	-500 (-2.54)	0.07 (18)	11	15	34	17	14	12	10	8
	-750 (-3.81)	0.17 (42)	13	17	36	18	15	12	10	7
	+750 (+3.81)	0.16 (40)	17	17	36	20	16	14	11	8
	+500 (+2.54)	0.07 (18)	17	15	35	18	15	14	11	8
66 (1650)	0 (0)	0.00 (0)	16	14	33	17	15	13	11	9
	-500 (-2.54)	0.07 (18)	16	15	36	17	15	13	11	8
	-750 (-3.81)	0.16 (40)	17	17	38	19	16	14	11	8
	+750 (+3.81)	0.16 (39)	21	17	36	21	17	15	12	9
	+500 (+2.54)	0.07 (18)	21	16	35	19	16	14	12	9
78 (1950)	0 (0)	0.00 (0)	20	14	33	17	15	14	11	9
	-500 (-2.54)	0.07 (18)	20	15	37	18	16	14	11	9
	-750 (-3.81)	0.16 (39)	21	17	40	19	17	15	12	9
	+750 (+3.81)	0.15 (38)	24	18	36	21	18	15	12	9
	+500 (+2.54)	0.07 (18)	24	17	35	19	17	15	12	9
86 (2150)	0 (0)	0.00 (0)	23	15	33	17	16	14	11	9
	-500 (-2.54)	0.07 (18)	23	15	38	18	16	15	12	9
	-750 (-3.81)	0.15 (38)	24	17	42	20	17	16	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
42 (1050)	0.07 (18)	0.17 (43)
54 (1350)	0.07 (18)	0.17 (42)
66 (1650)	0.07 (18)	0.16 (40)
78 (1950)	0.07 (18)	0.16 (39)
86 (2150)	0.07 (18)	0.15 (38)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	65	50	44	40	41	41	36	32
All Lengths	+500 (+2.54)	63	45	37	33	34	31	27	29
	-500 (-2.54)	63	43	33	31	30	26	24	28
	-750 (-3.81)	63	45	38	37	38	35	31	30

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLS/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	20	20	40-84
Metric	400	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
40 (1000)	+750 (+3.81)	0.19 (48)	8	7	15	22	17	11	9	7
	+500 (+2.54)	0.08 (19)	6	6	14	20	15	10	8	7
	0 (0)	0.00 (0)	6	5	13	17	14	10	8	7
	-500 (-2.54)	0.08 (19)	6	7	13	19	14	9	8	7
	-750 (-3.81)	0.19 (48)	8	8	15	22	15	10	8	7
52 (1300)	+750 (+3.81)	0.18 (45)	9	7	17	24	18	12	10	8
	+500 (+2.54)	0.08 (19)	8	6	15	22	17	11	10	8
	0 (0)	0.00 (0)	7	5	14	20	15	11	9	8
	-500 (-2.54)	0.08 (19)	7	7	15	22	16	11	9	8
	-750 (-3.81)	0.18 (45)	8	8	17	24	16	11	10	8
64 (1600)	+750 (+3.81)	0.17 (43)	10	7	18	27	19	13	11	9
	+500 (+2.54)	0.07 (18)	9	7	16	25	18	13	11	9
	0 (0)	0.00 (0)	9	5	15	24	17	12	11	9
	-500 (-2.54)	0.07 (18)	8	7	17	24	17	12	11	9
	-750 (-3.81)	0.17 (43)	9	8	18	25	18	13	11	9
76 (1900)	+750 (+3.81)	0.16 (41)	12	8	19	29	20	15	13	10
	+500 (+2.54)	0.07 (18)	11	7	18	28	20	14	13	11
	0 (0)	0.00 (0)	11	5	17	27	19	14	12	10
	-500 (-2.54)	0.07 (18)	9	8	19	26	19	14	12	10
	-750 (-3.81)	0.16 (41)	9	8	20	27	20	15	12	10
84 (2100)	+750 (+3.81)	0.16 (39)	13	8	20	31	21	16	14	11
	+500 (+2.54)	0.07 (18)	12	7	18	30	21	15	14	11
	0 (0)	0.00 (0)	12	6	18	29	20	14	13	11
	-500 (-2.54)	0.07 (18)	10	8	21	27	21	15	13	11
	-750 (-3.81)	0.16 (39)	10	8	22	28	21	16	13	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
40 (1000)	0.08 (19)	0.19 (48)
52 (1200)	0.08 (19)	0.18 (45)
64 (1600)	0.07 (18)	0.17 (43)
76 (1900)	0.07 (18)	0.16 (41)
84 (2100)	0.07 (18)	0.16 (39)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	64	48	42	41	45	43	37	31
	+500 (+2.54)	61	44	35	34	37	33	28	27
	-500 (-2.54)	62	43	34	33	32	28	24	26
	-750 (-3.81)	63	46	40	40	40	37	31	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECLB/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	30	30	42-86
Metric	400	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	0.19 (47)	6	14	29	15	11	11	9	7
	+500 (+2.54)	0.08 (20)	6	13	28	14	10	10	8	7
42 (1050)	0 (0)	0.00 (0)	5	12	23	13	10	10	8	7
	-500 (-2.54)	0.08 (20)	10	15	30	13	11	9	8	6
	-750 (-3.81)	0.19 (47)	10	17	31	14	11	9	8	7
	+750 (+3.81)	0.18 (45)	10	15	32	17	14	12	10	8
	+500 (+2.54)	0.08 (19)	9	14	30	15	13	12	10	8
54 (1350)	0 (0)	0.00 (0)	9	12	27	14	12	11	10	8
	-500 (-2.54)	0.08 (19)	11	15	32	14	13	11	10	8
	-750 (-3.81)	0.18 (45)	12	17	34	16	13	12	10	8
	+750 (+3.81)	0.17 (43)	13	16	34	18	16	14	12	9
	+500 (+2.54)	0.08 (19)	13	16	33	17	15	14	12	9
66 (1650)	0 (0)	0.00 (0)	12	13	30	15	14	13	11	9
	-500 (-2.54)	0.08 (19)	13	15	34	16	15	13	11	9
	-750 (-3.81)	0.17 (43)	14	16	37	18	16	14	11	9
	+750 (+3.81)	0.17 (41)	17	18	37	20	19	16	14	10
	+500 (+2.54)	0.07 (18)	16	17	36	18	17	15	13	10
78 (1950)	0 (0)	0.00 (0)	15	14	33	17	17	15	13	10
	-500 (-2.54)	0.07 (18)	15	14	36	17	17	15	13	10
	-750 (-3.81)	0.17 (41)	17	15	40	19	18	16	13	10
	+750 (+3.81)	0.16 (40)	19	19	39	21	20	17	15	11
	+500 (+2.54)	0.07 (17)	18	18	37	19	19	17	14	11
86 (2150)	0 (0)	0.00 (0)	17	15	35	18	18	16	14	11
	-500 (-2.54)	0.07 (17)	17	14	37	18	18	17	14	11
	-750 (-3.81)	0.16 (40)	18	15	42	20	19	17	14	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 500 fpm	750 fpm
42 (1050)	0.08 (20)	0.19 (47)
54 (1350)	0.08 (19)	0.18 (45)
66 (1650)	0.08 (19)	0.17 (43)
78 (1950)	0.07 (18)	0.17 (41)
86 (2150)	0.07 (17)	0.16 (40)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+750 (+3.81)	64	50	44	41	44	43	37	31
All Lengths	+500 (+2.54)	62	45	37	34	36	33	29	28
	-500 (-2.54)	62	42	34	32	32	28	24	26
	-750 (-3.81)	63	46	39	39	40	37	31	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECMS/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	20	20	40-84
Metric	200	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
40 (1000)	+1750 (+8.89)	0.21 (51)	8	10	27	23	16	13	10	7
	+1250 (+6.35)	0.10 (26)	9	11	26	22	15	13	10	7
	+750 (+3.81)	0.04 (9)	8	10	26	20	14	13	10	7
	0 (0)	0.00 (0)	8	10	26	17	12	12	9	7
	-750 (-3.81)	0.04 (9)	6	11	25	18	13	12	9	7
	-1250 (-6.35)	0.10 (26)	6	12	27	19	14	13	9	7
	-1750 (-8.89)	0.21 (51)	6	12	27	21	14	13	10	7
52 (1300)	+1750 (+8.89)	0.22 (55)	12	11	27	26	19	15	12	10
	+1250 (+6.35)	0.11 (28)	13	12	27	24	18	15	12	9
	+750 (+3.81)	0.04 (10)	12	11	26	22	16	14	12	9
	0 (0)	0.00 (0)	12	10	25	20	14	14	11	9
	-750 (-3.81)	0.04 (10)	10	11	25	21	15	14	11	9
	-1250 (-6.35)	0.11 (28)	10	12	27	22	16	14	11	9
	-1750 (-8.89)	0.22 (55)	11	13	27	23	17	15	11	9
64 (1600)	+1750 (+8.89)	0.24 (60)	16	12	28	28	21	17	14	12
	+1250 (+6.35)	0.12 (31)	17	13	27	27	20	17	14	12
	+750 (+3.81)	0.04 (11)	16	11	26	24	18	16	14	11
	0 (0)	0.00 (0)	15	10	24	22	16	16	13	11
	-750 (-3.81)	0.04 (11)	15	12	25	23	17	16	13	11
	-1250 (-6.35)	0.12 (31)	15	12	27	25	19	16	13	11
	-1750 (-8.89)	0.24 (60)	15	13	27	26	19	17	13	11
76 (1900)	+1750 (+8.89)	0.26 (64)	21	13	28	30	23	19	16	14
	+1250 (+6.35)	0.13 (33)	21	13	27	29	22	19	16	14
	+750 (+3.81)	0.05 (12)	20	12	26	27	20	18	15	14
	0 (0)	0.00 (0)	19	10	23	25	18	18	15	13
	-750 (-3.81)	0.05 (12)	20	12	25	26	19	18	15	13
	-1250 (-6.35)	0.13 (33)	19	12	27	28	21	18	14	13
	-1750 (-8.89)	0.26 (64)	20	13	27	28	22	18	14	12
84 (2100)	+1750 (+8.89)	0.27 (67)	24	14	28	32	25	20	18	15
	+1250 (+6.35)	0.14 (34)	24	14	27	31	24	20	18	15
	+750 (+3.81)	0.05 (12)	22	12	26	28	21	20	17	15
	0 (0)	0.00 (0)	21	10	22	26	19	19	16	15
	-750 (-3.81)	0.05 (12)	23	12	25	27	20	19	16	14
	-1250 (-6.35)	0.14 (34)	22	12	27	29	22	20	16	14
	-1750 (-8.89)	0.27 (67)	23	14	28	30	23	20	16	14

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.04 (9)	0.10 (26)	0.21 (51)
52 (1300)	0.04 (10)	0.11 (28)	0.22 (55)
64 (1600)	0.04 (11)	0.12 (31)	0.24 (60)
76 (1900)	0.05 (12)	0.13 (33)	0.26 (64)
84 (2100)	0.05 (12)	0.14 (34)	0.27 (67)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+1750 (+8.89)	69	57	53	47	45	46	38	29
	+1250 (+6.35)	69	54	48	42	40	39	32	28
	+750 (+3.81)	68	50	40	35	33	28	24	27
	-750 (-3.81)	68	49	34	29	26	21	21	27
	-1250 (-6.35)	68	50	38	35	33	29	24	27
	-1750 (-8.89)	68	50	40	39	38	34	26	27

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Performance Data - Model PECMB/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	30	30	42-86
Metric	200	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.32 (80)	15	16	40	21	19	14	11	9
	+1250 (+6.35)	0.16 (41)	14	17	36	20	19	14	10	9
	+750 (+3.81)	0.06 (15)	12	15	33	19	18	13	10	9
42 (1050)	0 (0)	0.00 (0)	10	14	30	17	16	12	10	8
	-750 (-3.81)	0.06 (15)	9	17	37	19	16	13	10	8
	-1250 (-6.35)	0.16 (41)	9	18	42	21	17	14	10	8
	-1750 (-8.89)	0.32 (80)	9	19	42	22	18	14	10	8
	+1750 (+8.89)	0.30 (75)	18	18	38	25	21	16	13	11
	+1250 (+6.35)	0.15 (38)	18	19	37	24	20	16	12	11
	+750 (+3.81)	0.06 (14)	16	17	36	22	19	15	12	10
54 (1350)	0 (0)	0.00 (0)	15	15	35	20	17	14	11	10
	-750 (-3.81)	0.06 (14)	14	18	40	22	17	15	11	10
	-1250 (-6.35)	0.15 (38)	15	19	43	24	18	16	11	10
	-1750 (-8.89)	0.30 (75)	15	20	43	24	19	16	11	9
	+1750 (+8.89)	0.28 (69)	22	21	36	28	22	18	15	12
	+1250 (+6.35)	0.14 (35)	21	21	38	27	21	18	14	12
	+750 (+3.81)	0.05 (13)	21	19	40	26	19	17	14	11
66 (1650)	0 (0)	0.00 (0)	20	17	40	23	18	16	13	11
	-750 (-3.81)	0.05 (13)	19	19	43	25	19	17	13	11
	-1250 (-6.35)	0.14 (35)	20	19	44	26	19	17	13	11
	-1750 (-8.89)	0.28 (69)	21	20	43	27	20	17	13	11
	+1750 (+8.89)	0.25 (63)	25	23	35	31	23	20	17	14
	+1250 (+6.35)	0.13 (32)	25	23	38	30	22	20	16	13
	+750 (+3.81)	0.05 (12)	25	21	44	29	20	19	15	13
78 (1950)	0 (0)	0.00 (0)	24	19	46	27	19	18	15	13
	-750 (-3.81)	0.05 (12)	24	20	46	27	20	19	15	13
	-1250 (-6.35)	0.13 (32)	26	20	45	29	20	19	15	12
	-1750 (-8.89)	0.25 (63)	26	21	44	30	21	19	15	12
	+1750 (+8.89)	0.24 (59)	27	24	34	33	24	21	18	15
	+1250 (+6.35)	0.12 (30)	28	24	39	33	23	21	18	14
	+750 (+3.81)	0.04 (11)	28	22	46	31	21	20	16	14
86 (2150)	0 (0)	0.00 (0)	28	20	50	29	19	20	17	14
	-750 (-3.81)	0.04 (11)	28	20	48	29	20	20	16	14
	-1250 (-6.35)	0.12 (30)	30	20	46	31	21	20	16	13
	-1750 (-8.89)	0.24 (59)	30	21	45	31	22	20	16	13

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
42 (1050)	0.006 (15)	0.16 (41)	0.32 (80)
54 (1350)	0.06 (14)	0.15 (38)	0.30 (75)
66 (1650)	0.05 (13)	0.14 (35)	0.28 (69)
78 (1950)	0.05 (12)	0.13 (32)	0.25 (63)
86 (2150)	0.04 (11)	0.12 (30)	0.24 (59)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	70	58	54	46	46	46	38	29
	+1250 (+6.35)	69	55	49	42	41	39	32	28
All Lengths	+750 (+3.81)	68	50	41	35	33	29	24	27
	-750 (-3.81)	68	49	34	28	26	21	21	27
	-1250 (-6.35)	68	50	38	34	34	29	24	27
	-1750 (-8.89)	68	51	40	38	38	34	26	27

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECMS/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	20	20	40-84
Metric	250	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.29 (73)	8	8	25	25	20	14	10	6
	+1250 (+6.35)	0.15 (38)	8	9	24	25	17	13	9	6
	+750 (+3.81)	0.05 (14)	8	7	23	25	15	13	9	6
40 (1000)	0 (0)	0.00 (0)	8	7	21	22	13	12	8	6
	-750 (-3.81)	0.05 (14)	7	9	21	23	14	12	9	6
	-1250 (-6.35)	0.15 (38)	7	9	23	25	16	13	9	6
	-1750 (-8.89)	0.29 (73)	7	10	24	25	18	13	9	6
	+1750 (+8.89)	0.30 (73)	11	9	24	26	20	14	11	7
	+1250 (+6.35)	0.15 (38)	12	9	24	26	18	14	10	7
	+750 (+3.81)	0.05 (14)	11	8	22	25	15	13	10	7
52 (1300)	0 (0)	0.00 (0)	11	7	20	23	14	13	9	7
	-750 (-3.81)	0.05 (14)	10	9	21	24	15	13	9	7
	-1250 (-6.35)	0.15 (38)	11	9	23	25	17	13	10	7
	-1750 (-8.89)	0.30 (73)	11	11	24	26	18	13	10	7
	+1750 (+8.89)	0.30 (74)	15	10	24	27	20	15	11	8
	+1250 (+6.35)	0.15 (38)	15	10	23	27	18	14	11	8
	+750 (+3.81)	0.05 (14)	15	9	22	26	16	14	10	8
64 (1600)	0 (0)	0.00 (0)	14	7	19	24	14	13	10	8
	-750 (-3.81)	0.05 (14)	13	9	21	25	16	13	10	8
	-1250 (-6.35)	0.15 (38)	14	10	23	26	17	14	10	8
	-1750 (-8.89)	0.30 (74)	14	11	24	27	18	14	10	8
	+1750 (+8.89)	0.30 (74)	18	11	23	28	20	15	12	9
	+1250 (+6.35)	0.15 (38)	18	11	23	28	19	15	12	9
	+750 (+3.81)	0.05 (14)	18	10	22	26	17	14	11	9
76 (1900)	0 (0)	0.00 (0)	17	8	19	24	15	13	11	9
	-750 (-3.81)	0.05 (14)	17	9	21	26	16	14	11	9
	-1250 (-6.35)	0.15 (38)	17	10	23	27	18	14	11	8
	-1750 (-8.89)	0.30 (74)	18	11	24	28	18	14	11	8
	+1750 (+8.89)	0.30 (74)	21	12	23	29	20	15	13	10
	+1250 (+6.35)	0.15 (38)	20	11	23	29	20	15	13	10
	+750 (+3.81)	0.05 (14)	20	10	22	26	18	14	12	9
84 (2100)	0 (0)	0.00 (0)	18	8	18	25	16	13	12	9
	-750 (-3.81)	0.05 (14)	19	9	22	26	17	14	11	9
	-1250 (-6.35)	0.15 (38)	19	11	23	28	18	14	11	9
	-1750 (-8.89)	0.30 (74)	20	11	24	28	18	14	11	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.05 (14)	0.15 (38)	0.29 (73)
52 (1300)	0.05 (14)	0.15 (38)	0.30 (73)
64 (1600)	0.05 (14)	0.15 (38)	0.30 (74)
76 (1900)	0.05 (14)	0.15 (38)	0.30 (74)
84 (2100)	0.05 (14)	0.15 (38)	0.30 (74)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	70	57	54	48	48	49	42	32
	+1250 (+6.35)	69	54	48	43	42	41	36	31
All Lengths	+750 (+3.81)	67	49	40	35	34	30	26	29
	-750 (-3.81)	66	47	35	30	28	24	24	28
	-1250 (-6.35)	66	49	40	37	37	33	29	29
	-1750 (-8.89)	66	50	43	41	43	40	33	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECMB/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	30	30	42-86
Metric	250	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.35 (88)	12	16	36	21	19	14	9	6
	+1250 (+6.35)	0.18 (45)	12	17	37	20	17	12	9	6
	+750 (+3.81)	0.07 (16)	11	16	35	19	15	12	8	6
42 (1050)	0 (0)	0.00 (0)	9	14	33	17	14	11	8	6
	-750 (-3.81)	0.07 (16)	7	18	37	19	14	12	8	6
	-1250 (-6.35)	0.18 (45)	8	18	39	20	16	12	8	5
	-1750 (-8.89)	0.35 (88)	11	20	39	21	17	12	8	6
	+1750 (+8.89)	0.34 (84)	16	17	36	23	19	15	11	8
	+1250 (+6.35)	0.17 (43)	16	18	36	22	18	14	10	7
	+750 (+3.81)	0.06 (15)	15	17	37	21	16	14	10	7
54 (1350)	0 (0)	0.00 (0)	14	14	35	18	15	13	9	7
	-750 (-3.81)	0.06 (15)	13	18	39	20	15	13	9	7
	-1250 (-6.35)	0.17 (43)	14	18	40	22	17	14	10	7
	-1750 (-8.89)	0.34 (84)	16	20	40	23	18	14	10	7
	+1750 (+8.89)	0.32 (80)	20	18	35	25	20	16	12	9
	+1250 (+6.35)	0.16 (41)	20	19	36	24	19	15	12	9
	+750 (+3.81)	0.06 (15)	20	17	38	23	17	15	11	9
66 (1650)	0 (0)	0.00 (0)	19	15	37	20	16	14	11	9
	-750 (-3.81)	0.06 (15)	19	18	40	22	16	15	11	9
	-1250 (-6.35)	0.16 (41)	20	18	41	24	17	15	11	8
	-1750 (-8.89)	0.32 (80)	21	19	41	24	19	15	11	8
	+1750 (+8.89)	0.30 (75)	24	19	34	27	20	17	14	10
	+1250 (+6.35)	0.15 (38)	24	19	36	26	20	17	13	10
	+750 (+3.81)	0.06 (14)	24	18	39	25	18	16	13	10
78 (1950)	0 (0)	0.00 (0)	24	16	39	22	16	16	13	10
	-750 (-3.81)	0.06 (14)	24	17	42	24	17	16	13	10
	-1250 (-6.35)	0.15 (38)	25	18	42	25	18	16	12	10
	-1750 (-8.89)	0.30 (75)	26	19	41	26	19	17	13	10
	+1750 (+8.89)	0.29 (73)	27	20	34	28	21	18	15	11
	+1250 (+6.35)	0.15 (37)	27	19	36	28	21	18	15	11
	+750 (+3.81)	0.05 (13)	27	18	40	26	19	17	14	11
86 (2150)	0 (0)	0.00 (0)	27	16	40	23	17	17	14	11
	-750 (-3.81)	0.05 (13)	28	17	43	25	18	17	14	11
	-1250 (-6.35)	0.15 (37)	29	18	43	26	19	17	13	11
	-1750 (-8.89)	0.29 (73)	29	18	42	27	20	17	14	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
42 (1050)	0.07 (16)	0.18 (45)	0.35 (88)
54 (1350)	0.06 (15)	0.17 (43)	0.34 (84)
66 (1650)	0.06 (15)	0.16 (41)	0.32 (80)
78 (1950)	0.06 (14)	0.15 (38)	0.30 (75)
86 (2150)	0.05 (13)	0.15 (37)	0.29 (73)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	70	58	54	47	48	49	42	32
	+1250 (+6.35)	69	55	49	42	42	41	36	31
All Lengths	+750 (+3.81)	67	49	41	35	34	30	26	28
	-750 (-3.81)	66	47	35	30	29	24	23	28
	-1250 (-6.35)	66	49	40	36	37	33	29	29
	-1750 (-8.89)	66	50	43	41	43	40	33	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Performance Data - Model PECMS/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	20	20	40-84
Metric	300	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.38 (95)	8	7	22	26	23	16	9	5
	+1250 (+6.35)	0.20 (49)	8	6	21	29	18	14	8	4
	+750 (+3.81)	0.07 (18)	8	4	19	30	15	13	8	4
40 (1000)	0 (0)	0.00 (0)	8	3	16	27	14	12	8	4
	-750 (-3.81)	0.07 (18)	8	7	17	29	16	12	8	5
	-1250 (-6.35)	0.20 (49)	9	6	19	30	18	12	8	5
	-1750 (-8.89)	0.38 (95)	8	9	22	28	22	13	9	5
	+1750 (+8.89)	0.37 (91)	11	7	21	26	21	14	9	5
	+1250 (+6.35)	0.19 (47)	11	7	20	28	18	13	8	4
	+750 (+3.81)	0.07 (17)	11	5	19	28	15	12	8	4
52 (1300)	0 (0)	0.00 (0)	10	4	15	26	13	11	7	4
	-750 (-3.81)	0.07 (17)	10	7	17	28	15	11	8	5
	-1250 (-6.35)	0.19 (47)	11	7	19	29	17	12	8	5
	-1750 (-8.89)	0.37 (91)	11	9	21	28	20	12	8	5
	+1750 (+8.89)	0.35 (88)	13	8	20	26	18	12	8	4
	+1250 (+6.35)	0.18 (45)	13	8	20	27	17	11	8	4
	+750 (+3.81)	0.06 (16)	13	6	18	27	15	11	7	4
64 (1600)	0 (0)	0.00 (0)	12	5	15	25	13	10	7	4
	-750 (-3.81)	0.06 (16)	12	7	18	27	14	10	7	4
	-1250 (-6.35)	0.18 (45)	13	8	20	28	16	11	8	4
	-1750 (-8.89)	0.35 (88)	13	8	21	27	18	11	8	5
	+1750 (+8.89)	0.34 (84)	16	9	19	27	16	10	8	4
	+1250 (+6.35)	0.17 (43)	16	9	19	27	16	10	8	4
	+750 (+3.81)	0.06 (15)	16	8	18	26	14	10	7	4
76 (1900)	0 (0)	0.00 (0)	14	6	15	24	12	9	7	4
	-750 (-3.81)	0.06 (15)	14	7	18	25	13	9	7	4
	-1250 (-6.35)	0.17 (43)	15	8	20	26	15	10	7	4
	-1750 (-8.89)	0.34 (84)	15	8	21	27	15	10	7	4
	+1750 (+8.89)	0.33 (81)	17	9	18	27	15	9	7	4
	+1250 (+6.35)	0.17 (41)	17	9	19	26	16	9	7	4
	+750 (+3.81)	0.06 (15)	18	8	18	25	14	9	7	4
84 (2100)	0 (0)	0.00 (0)	16	7	15	23	12	8	7	4
	-750 (-3.81)	0.06 (15)	15	7	18	25	13	9	7	4
	-1250 (-6.35)	0.17 (41)	16	9	20	26	14	9	7	4
	-1750 (-8.89)	0.33 (81)	17	8	21	27	14	9	7	4

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.07 (18)	0.20 (49)	0.38 (95)
52 (1300)	0.07 (17)	0.19 (47)	0.37 (91)
64 (1600)	0.06 (16)	0.18 (45)	0.35 (88)
76 (1900)	0.06 (15)	0.17 (43)	0.34 (84)
84 (2100)	0.06 (14)	0.17 (41)	0.33 (81)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	71	58	55	49	50	52	47	35
	+1250 (+6.35)	69	54	49	44	44	44	40	33
All Lengths	+750 (+3.81)	65	48	40	35	35	31	29	30
	-750 (-3.81)	64	46	35	32	31	27	26	29
	-1250 (-6.35)	64	49	41	39	41	38	34	30
	-1750 (-8.89)	65	50	45	44	47	46	39	32

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECMB/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	30	30	42-86
Metric	300	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.39 (96)	9	16	33	21	18	13	8	3
	+1250 (+6.35)	0.20 (49)	10	18	37	20	15	11	7	3
	+750 (+3.81)	0.07 (18)	10	17	38	19	13	11	7	3
42 (1050)	0 (0)	0.00 (0)	8	14	37	16	11	10	6	3
	-750 (-3.81)	0.07 (18)	6	18	37	18	12	10	6	3
	-1250 (-6.35)	0.20 (49)	7	18	36	20	14	10	7	3
	-1750 (-8.89)	0.39 (96)	12	21	36	21	17	11	7	3
	+1750 (+8.89)	0.38 (93)	14	16	33	21	18	14	9	5
	+1250 (+6.35)	0.19 (48)	14	17	36	21	16	12	8	4
	+750 (+3.81)	0.07 (17)	14	16	37	19	14	12	8	4
54 (1350)	0 (0)	0.00 (0)	13	14	35	16	12	11	7	4
	-750 (-3.81)	0.07 (17)	12	17	37	19	13	11	8	4
	-1250 (-6.35)	0.19 (48)	13	17	37	20	15	11	8	4
	-1750 (-8.89)	0.38 (93)	17	19	37	21	17	12	8	5
	+1750 (+8.89)	0.36 (91)	19	16	33	22	18	14	10	6
	+1250 (+6.35)	0.19 (46)	19	16	35	22	17	13	9	6
	+750 (+3.81)	0.07 (17)	19	16	36	20	15	13	9	6
66 (1650)	0 (0)	0.00 (0)	18	13	34	17	13	12	9	6
	-750 (-3.81)	0.07 (17)	18	16	37	19	14	12	9	6
	-1250 (-6.35)	0.19 (46)	19	17	38	21	15	13	9	6
	-1750 (-8.89)	0.36 (91)	21	18	38	22	17	13	9	6
	+1750 (+8.89)	0.35 (88)	23	16	34	22	18	14	10	7
	+1250 (+6.35)	0.18 (45)	23	16	34	22	18	14	10	7
	+750 (+3.81)	0.06 (16)	23	15	35	21	16	14	10	7
78 (1950)	0 (0)	0.00 (0)	23	13	32	17	14	13	10	7
	-750 (-3.81)	0.06 (16)	24	15	38	20	15	13	10	7
	-1250 (-6.35)	0.18 (45)	24	16	39	21	16	14	10	7
	-1750 (-8.89)	0.35 (88)	25	17	39	22	17	14	10	7
	+1750 (+8.89)	0.35 (86)	27	16	34	23	18	15	11	8
	+1250 (+6.35)	0.18 (44)	26	15	33	23	18	15	11	8
	+750 (+3.81)	0.06 (16)	26	14	34	21	17	15	11	8
86 (2150)	0 (0)	0.00 (0)	27	13	31	18	15	13	10	8
	-750 (-3.81)	0.06 (16)	28	15	38	20	16	14	11	8
	-1250 (-6.35)	0.18 (44)	28	16	40	22	17	15	11	8
	-1750 (-8.89)	0.35 (86)	27	16	39	22	17	15	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
42 (1050)	0.07 (18)	0.20 (49)	0.39 (96)
54 (1350)	0.07 (17)	0.19 (48)	0.38 (93)
66 (1650)	0.07 (17)	0.19 (46)	0.36 (91)
78 (1950)	0.06 (16)	0.18 (45)	0.35 (88)
86 (2150)	0.06 (16)	0.18 (44)	0.35 (86)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	70	59	55	48	49	52	47	36
	+1250 (+6.35)	68	55	49	43	43	44	39	34
All Lengths	+750 (+3.81)	65	48	40	35	34	31	29	30
	-750 (-3.81)	64	45	35	32	31	27	26	29
	-1250 (-6.35)	64	48	42	39	41	38	34	30
	-1750 (-8.89)	65	49	46	43	47	46	39	32

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

Performance Data - Model PECMS/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	20	20	40-84
Metric	350	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.41 (101)	7	6	18	22	20	13	8	5
	+1250 (+6.35)	0.21 (52)	7	6	17	24	17	12	8	5
	+750 (+3.81)	0.08 (19)	7	5	16	24	15	11	7	5
40 (1000)	0 (0)	0.00 (0)	7	4	12	20	12	10	7	5
	-750 (-3.81)	0.08 (19)	7	6	14	23	14	10	7	5
	-1250 (-6.35)	0.21 (52)	8	6	16	24	16	11	8	5
	-1750 (-8.89)	0.41 (101)	7	8	17	24	18	11	8	6
	+1750 (+8.89)	0.39 (97)	9	7	18	24	19	12	9	5
	+1250 (+6.35)	0.20 (50)	9	7	17	25	17	12	8	5
	+750 (+3.81)	0.07 (18)	9	5	16	25	15	11	8	5
52 (1300)	0 (0)	0.00 (0)	8	4	13	21	13	10	8	5
	-750 (-3.81)	0.07 (18)	9	6	15	24	15	10	8	5
	-1250 (-6.35)	0.20 (50)	9	7	17	25	16	11	8	6
	-1750 (-8.89)	0.39 (97)	9	8	18	25	18	11	8	6
	+1750 (+8.89)	0.37 (93)	11	8	18	25	19	12	9	6
	+1250 (+6.35)	0.19 (47)	11	7	17	26	18	12	9	6
	+750 (+3.81)	0.07 (17)	11	6	16	25	16	11	8	6
64 (1600)	0 (0)	0.00 (0)	10	5	14	22	14	10	8	6
	-750 (-3.81)	0.07 (17)	10	6	16	24	15	11	8	6
	-1250 (-6.35)	0.19 (47)	11	7	18	26	17	11	8	6
	-1750 (-8.89)	0.37 (93)	11	8	18	26	18	11	9	6
	+1750 (+8.89)	0.35 (88)	13	8	18	27	19	12	10	6
	+1250 (+6.35)	0.18 (45)	13	8	18	27	18	12	9	6
	+750 (+3.81)	0.07 (16)	13	7	17	26	16	11	9	6
76 (1900)	0 (0)	0.00 (0)	12	5	15	23	14	10	8	6
	-750 (-3.81)	0.07 (16)	11	6	17	25	16	11	9	6
	-1250 (-6.35)	0.18 (45)	12	8	19	26	17	11	9	6
	-1750 (-8.89)	0.35 (88)	13	8	19	27	18	11	9	6
	+1750 (+8.89)	0.34 (85)	14	9	18	28	18	12	10	6
	+1250 (+6.35)	0.17 (43)	14	9	18	28	18	12	10	6
	+750 (+3.81)	0.06 (16)	14	8	17	26	17	11	9	6
84 (2100)	0 (0)	0.00 (0)	13	6	15	24	15	10	9	6
	-750 (-3.81)	0.06 (16)	12	6	18	25	16	11	9	6
	-1250 (-6.35)	0.17 (43)	13	8	19	27	17	11	9	6
	-1750 (-8.89)	0.34 (85)	14	8	19	27	18	12	9	6

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.08 (19)	0.21 (52)	0.41 (101)
52 (1300)	0.07 (18)	0.20 (50)	0.39 (97)
64 (1600)	0.07 (17)	0.19 (47)	0.37 (93)
76 (1900)	0.07 (16)	0.18 (45)	0.35 (88)
84 (2100)	0.06 (16)	0.17 (43)	0.34 (85)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	70	57	54	50	53	54	48	37
	+1250 (+6.35)	68	53	49	45	46	46	41	34
All Lengths	+750 (+3.81)	64	48	40	36	36	33	30	30
	-750 (-3.81)	64	47	37	34	33	29	27	29
	-1250 (-6.35)	64	50	43	42	43	40	35	31
	-1750 (-8.89)	64	52	48	47	49	48	41	33

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECMB/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	30	30	42-86
Metric	350	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.41 (101)	8	15	29	18	15	11	8	4
	+1250 (+6.35)	0.21 (51)	8	16	31	18	13	10	7	4
	+750 (+3.81)	0.07 (19)	8	15	32	16	11	10	7	4
42 (1050)	0 (0)	0.00 (0)	7	13	31	14	10	9	6	4
	-750 (-3.81)	0.07 (19)	7	16	32	16	10	9	6	4
	-1250 (-6.35)	0.21 (51)	7	16	32	17	12	9	7	4
	-1750 (-8.89)	0.41 (101)	10	18	31	18	14	10	7	4
	+1750 (+8.89)	0.39 (98)	11	15	30	19	16	12	9	5
	+1250 (+6.35)	0.20 (50)	12	16	32	19	15	11	9	5
	+750 (+3.81)	0.07 (18)	11	15	33	17	13	11	8	5
54 (1350)	0 (0)	0.00 (0)	11	12	31	14	11	10	8	5
	-750 (-3.81)	0.07 (18)	11	16	34	17	12	10	8	5
	-1250 (-6.35)	0.20 (50)	12	16	34	18	13	11	8	5
	-1750 (-8.89)	0.39 (98)	13	17	33	19	15	11	8	5
	+1750 (+8.89)	0.38 (94)	15	15	32	20	17	13	10	7
	+1250 (+6.35)	0.19 (48)	15	16	33	20	16	13	10	6
	+750 (+3.81)	0.07 (17)	15	15	33	18	14	12	9	6
66 (1650)	0 (0)	0.00 (0)	15	12	31	15	13	11	9	7
	-750 (-3.81)	0.07 (17)	16	15	35	18	14	12	9	7
	-1250 (-6.35)	0.19 (48)	16	16	36	19	15	12	9	7
	-1750 (-8.89)	0.38 (94)	17	17	36	20	16	13	10	7
	+1750 (+8.89)	0.37 (91)	19	16	34	21	18	14	11	8
	+1250 (+6.35)	0.19 (46)	19	16	34	21	18	14	11	8
	+750 (+3.81)	0.07 (17)	19	14	34	20	16	14	11	8
78 (1950)	0 (0)	0.00 (0)	19	12	31	16	14	13	10	8
	-750 (-3.81)	0.07 (17)	20	14	36	19	15	14	11	8
	-1250 (-6.35)	0.19 (46)	20	15	38	21	17	14	11	8
	-1750 (-8.89)	0.37 (91)	20	16	38	21	17	14	11	8
	+1750 (+8.89)	0.36 (89)	21	16	35	22	19	15	12	8
	+1250 (+6.35)	0.18 (45)	22	15	34	22	19	15	12	9
	+750 (+3.81)	0.07 (16)	21	14	34	20	17	15	12	9
86 (2150)	0 (0)	0.00 (0)	21	12	31	17	15	14	11	9
	-750 (-3.81)	0.07 (16)	23	14	37	19	16	15	11	9
	-1250 (-6.35)	0.18 (45)	23	15	39	21	18	15	12	9
	-1750 (-8.89)	0.36 (89)	23	16	39	22	18	15	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
42 (1050)	0.07 (19)	0.21 (51)	0.41 (101)
54 (1350)	0.07 (18)	0.20 (50)	0.39 (98)
66 (1650)	0.07 (17)	0.19 (48)	0.38 (94)
78 (1950)	0.07 (17)	0.19 (46)	0.37 (91)
86 (2150)	0.07 (16)	0.18 (45)	0.36 (89)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	69	58	55	49	52	54	48	37
	+1250 (+6.35)	67	54	49	44	45	46	41	34
All Lengths	+750 (+3.81)	64	48	40	36	35	33	30	30
	-750 (-3.81)	63	46	37	34	33	29	27	29
	-1250 (-6.35)	64	49	43	41	42	40	35	31
	-1750 (-8.89)	64	52	48	46	49	48	41	33

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.
© Copyright Price Industries Limited 2014.

Performance Data - Model PECMS/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	20	20	40-84
Metric	400	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.43 (108)	6	6	13	18	16	10	8	5
	+1250 (+6.35)	0.22 (55)	6	6	13	19	16	9	7	5
	+750 (+3.81)	0.08 (20)	6	5	12	18	14	9	7	5
40 (1000)	0 (0)	0.00 (0)	6	4	9	14	11	8	7	5
	-750 (-3.81)	0.08 (20)	7	6	12	17	12	8	7	5
	-1250 (-6.35)	0.22 (55)	7	6	12	19	14	9	7	6
	-1750 (-8.89)	0.43 (108)	6	7	13	19	15	9	7	6
	+1750 (+8.89)	0.41 (103)	7	7	14	21	18	11	9	6
	+1250 (+6.35)	0.21 (52)	7	6	14	21	17	11	9	6
	+750 (+3.81)	0.08 (19)	7	5	13	21	15	10	8	6
52 (1300)	0 (0)	0.00 (0)	7	4	11	17	13	9	8	6
	-750 (-3.81)	0.08 (19)	7	6	13	20	14	9	8	6
	-1250 (-6.35)	0.21 (52)	8	6	14	21	16	10	8	6
	-1750 (-8.89)	0.41 (103)	8	7	14	21	16	10	8	7
	+1750 (+8.89)	0.39 (97)	8	7	15	24	20	12	10	7
	+1250 (+6.35)	0.20 (50)	8	7	15	24	18	12	10	7
	+750 (+3.81)	0.07 (18)	8	6	15	23	17	11	9	7
64 (1600)	0 (0)	0.00 (0)	8	5	13	20	15	10	9	7
	-750 (-3.81)	0.07 (18)	8	6	15	22	16	11	9	7
	-1250 (-6.35)	0.20 (50)	9	7	16	24	17	11	9	7
	-1750 (-8.89)	0.39 (97)	9	7	16	24	18	12	10	7
	+1750 (+8.89)	0.37 (92)	10	8	16	27	21	13	11	8
	+1250 (+6.35)	0.19 (47)	10	8	16	27	20	13	11	8
	+750 (+3.81)	0.07 (17)	9	6	16	26	18	13	11	8
76 (1900)	0 (0)	0.00 (0)	9	5	15	23	16	12	10	8
	-750 (-3.81)	0.07 (17)	9	6	16	24	18	12	10	8
	-1250 (-6.35)	0.19 (47)	10	7	17	26	19	13	10	8
	-1750 (-8.89)	0.37 (92)	10	8	17	26	20	13	11	8
	+1750 (+8.89)	0.36 (89)	10	8	17	29	22	14	12	9
	+1250 (+6.35)	0.18 (45)	10	8	17	29	21	14	12	9
	+750 (+3.81)	0.07 (16)	10	7	16	28	19	13	11	9
84 (2100)	0 (0)	0.00 (0)	10	5	16	25	17	12	11	9
	-750 (-3.81)	0.07 (16)	9	6	18	26	19	13	11	9
	-1250 (-6.35)	0.18 (45)	10	7	18	27	20	14	11	9
	-1750 (-8.89)	0.36 (89)	11	8	18	28	21	14	11	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.08 (20)	0.22 (55)	0.43 (108)
52 (1300)	0.08 (19)	0.21 (52)	0.41 (103)
64 (1600)	0.07 (18)	0.20 (50)	0.39 (97)
76 (1900)	0.07 (17)	0.19 (47)	0.37 (92)
84 (2100)	0.17 (16)	0.18 (45)	0.36 (89)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	69	56	54	51	55	57	50	38
	+1250 (+6.35)	67	53	48	46	48	48	43	35
All Lengths	+750 (+3.81)	63	48	40	37	38	35	31	30
	-750 (-3.81)	63	48	38	36	35	31	28	29
	-1250 (-6.35)	64	52	45	44	44	43	37	32
	-1750 (-8.89)	64	54	50	50	51	50	42	34

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECMB/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	30	30	42-86
Metric	400	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	0.42 (105)	6	13	24	16	11	9	8	5
	+1250 (+6.35)	0.22 (54)	6	14	26	15	11	9	7	5
	+750 (+3.81)	0.08 (19)	5	13	27	14	9	9	7	5
42 (1050)	0 (0)	0.00 (0)	5	11	24	11	8	8	7	5
	-750 (-3.81)	0.08 (19)	8	14	27	13	9	8	7	5
	-1250 (-6.35)	0.22 (54)	8	15	27	15	10	8	7	5
	-1750 (-8.89)	0.42 (105)	8	16	26	15	11	9	7	5
	+1750 (+8.89)	0.41 (102)	9	14	27	17	14	11	9	6
	+1250 (+6.35)	0.21 (52)	9	14	28	17	13	11	9	6
	+750 (+3.81)	0.08 (19)	8	13	29	15	12	10	8	6
54 (1350)	0 (0)	0.00 (0)	8	11	26	12	10	9	8	6
	-750 (-3.81)	0.08 (19)	11	14	30	15	11	10	8	6
	-1250 (-6.35)	0.21 (52)	10	15	30	16	12	10	8	6
	-1750 (-8.89)	0.41 (102)	10	15	30	17	13	10	9	6
	+1750 (+8.89)	0.39 (98)	12	15	30	19	16	13	11	7
	+1250 (+6.35)	0.20 (50)	12	15	31	18	16	12	10	7
	+750 (+3.81)	0.07 (18)	12	14	31	17	14	12	10	7
66 (1650)	0 (0)	0.00 (0)	11	11	28	14	12	11	9	7
	-750 (-3.81)	0.07 (18)	13	14	33	16	13	12	9	7
	-1250 (-6.35)	0.20 (50)	13	15	33	18	15	12	10	7
	-1750 (-8.89)	0.39 (98)	13	15	33	19	15	12	10	7
	+1750 (+8.89)	0.38 (94)	15	16	34	20	19	14	12	8
	+1250 (+6.35)	0.19 (48)	15	15	34	20	18	14	12	8
	+750 (+3.81)	0.07 (17)	15	14	33	18	16	14	11	8
78 (1950)	0 (0)	0.00 (0)	14	11	30	15	14	13	11	9
	-750 (-3.81)	0.07 (17)	15	13	35	18	16	14	11	8
	-1250 (-6.35)	0.19 (48)	16	15	36	20	17	14	11	8
	-1750 (-8.89)	0.38 (94)	16	15	37	21	18	14	11	8
	+1750 (+8.89)	0.37 (91)	16	16	36	21	21	15	13	9
	+1250 (+6.35)	0.19 (47)	17	16	35	21	20	15	13	9
	+750 (+3.81)	0.07 (17)	17	14	34	19	18	15	12	9
86 (2150)	0 (0)	0.00 (0)	16	11	31	15	16	14	12	9
	-750 (-3.81)	0.07 (17)	17	13	37	19	17	15	12	9
	-1250 (-6.35)	0.19 (47)	18	15	38	21	18	15	12	9
	-1750 (-8.89)	0.37 (91)	18	15	39	22	19	15	12	9

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
42 (1050)	0.08 (19)	0.22 (54)	0.42 (105)
54 (1350)	0.08 (19)	0.21 (52)	0.41 (102)
66 (1650)	0.07 (18)	0.20 (50)	0.39 (98)
78 (1950)	0.07 (17)	0.19 (48)	0.38 (94)
86 (2150)	0.07 (17)	0.19 (47)	0.37 (91)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+1750 (+8.89)	68	58	55	50	54	56	49	38
	+1250 (+6.35)	66	54	49	45	47	47	42	35
All Lengths	+750 (+3.81)	64	48	40	36	37	35	31	30
	-750 (-3.81)	63	47	38	36	34	31	28	29
	-1250 (-6.35)	63	51	45	44	44	43	37	32
	-1750 (-8.89)	64	54	49	49	50	50	43	35

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.
© Copyright Price Industries Limited 2014.

Performance Data - Model PECHS/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	20	20	40-84
Metric	200	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.23 (56)	6	9	27	26	16	13	9	8
	+1750 (+8.89)	0.11 (26)	6	7	25	25	16	13	10	8
	+1000 (+5.08)	0.04 (9)	8	11	25	19	12	12	9	7
40 (1000)	0 (0)	0.00 (0)	8	10	24	16	11	11	8	7
	-1000 (-5.08)	0.04 (9)	5	10	24	17	11	11	8	7
	-1750 (-8.89)	0.11 (26)	6	10	25	21	13	12	8	7
	-2500 (-12.7)	0.23 (56)	9	11	27	24	14	12	9	7
	+2500 (+12.7)	0.23 (56)	11	9	26	27	18	15	11	9
	+1750 (+8.89)	0.11 (27)	10	9	25	26	17	14	11	9
	+1000 (+5.08)	0.04 (9)	11	11	24	21	14	13	10	9
52 (1300)	0 (0)	0.00 (0)	11	9	23	19	12	13	10	9
	-1000 (-5.08)	0.04 (9)	9	10	24	20	13	13	10	8
	-1750 (-8.89)	0.11 (27)	10	11	25	24	15	14	10	8
	-2500 (-12.7)	0.23 (56)	11	12	27	26	16	14	10	8
	+2500 (+12.7)	0.23 (56)	15	10	26	29	20	16	13	11
	+1750 (+8.89)	0.12 (29)	14	11	26	27	18	15	12	10
	+1000 (+5.08)	0.04 (9)	14	10	24	24	15	15	11	10
64 (1600)	0 (0)	0.00 (0)	13	8	22	22	14	14	11	10
	-1000 (-5.08)	0.04 (9)	13	9	23	23	15	14	11	10
	-1750 (-8.89)	0.12 (29)	13	12	25	26	17	15	11	9
	-2500 (-12.7)	0.23 (56)	14	12	27	28	18	15	11	9
	+2500 (+12.7)	0.23 (56)	19	11	25	30	22	18	14	12
	+1750 (+8.89)	0.12 (30)	18	12	26	28	19	17	12	11
	+1000 (+5.08)	0.04 (9)	17	9	23	26	16	16	13	11
76 (1900)	0 (0)	0.00 (0)	16	7	21	25	15	16	13	11
	-1000 (-5.08)	0.04 (9)	17	9	23	26	16	16	13	11
	-1750 (-8.89)	0.12 (30)	17	12	26	28	19	17	12	11
	-2500 (-12.7)	0.23 (56)	17	13	26	29	20	17	12	10
	+2500 (+12.7)	0.23 (57)	22	11	25	31	23	19	16	13
	+1750 (+8.89)	0.12 (31)	21	13	26	29	20	18	13	11
	+1000 (+5.08)	0.04 (9)	19	8	23	27	17	17	14	12
84 (2100)	0 (0)	0.00 (0)	18	6	21	27	16	17	14	12
	-1000 (-5.08)	0.04 (9)	19	9	23	28	18	17	14	12
	-1750 (-8.89)	0.12 (31)	19	13	26	30	20	18	13	11
	-2500 (-12.7)	0.23 (57)	19	13	26	31	21	18	13	11

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.04 (9)	0.11 (26)	0.23 (56)
52 (1300)	0.04 (9)	0.11 (27)	0.23 (56)
64 (1600)	0.04 (9)	0.12 (29)	0.23 (56)
76 (1900)	0.04 (9)	0.12 (30)	0.23 (56)
84 (2100)	0.04 (9)	0.12 (31)	0.23 (57)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	69	56	51	45	42	42	36	29
	+1750 (+8.89)	69	53	46	40	37	35	30	28
All Lengths	+1000 (+5.08)	68	49	38	32	29	24	22	27
	-1000 (-5.08)	68	49	34	28	24	20	21	27
	-1750 (-8.89)	68	50	38	34	31	27	24	27
	-2500 (-12.7)	67	50	40	38	37	32	26	27

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHB/8

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	8	30	30	42-86
Metric	200	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.23 (57)	10	14	31	23	18	13	9	8
	+1750 (+8.89)	0.11 (27)	10	12	32	22	18	12	10	8
	+1000 (+5.08)	0.03 (8)	6	12	26	18	15	11	9	7
42 (1050)	0 (0)	0.00 (0)	5	12	28	15	13	10	8	7
	-1000 (-5.08)	0.03 (8)	6	14	35	18	14	11	8	7
	-1750 (-8.89)	0.11 (27)	7	16	39	21	15	12	8	6
	-2500 (-12.7)	0.23 (57)	9	16	36	23	15	13	8	6
	+2500 (+12.7)	0.23 (57)	16	17	31	25	19	15	11	9
	+1750 (+8.89)	0.11 (27)	16	15	36	24	18	14	11	9
	+1000 (+5.08)	0.03 (8)	13	14	33	20	15	13	10	9
54 (1350)	0 (0)	0.00 (0)	12	14	33	18	14	13	10	8
	-1000 (-5.08)	0.03 (8)	13	16	39	20	15	13	10	8
	-1750 (-8.89)	0.11 (27)	14	18	41	23	16	14	10	8
	-2500 (-12.7)	0.23 (57)	16	19	39	24	17	14	10	8
	+2500 (+12.7)	0.23 (57)	22	20	31	26	21	17	13	11
	+1750 (+8.89)	0.11 (27)	21	18	40	25	18	16	12	10
	+1000 (+5.08)	0.03 (8)	19	16	39	23	16	15	12	10
66 (1650)	0 (0)	0.00 (0)	18	15	38	21	15	15	12	10
	-1000 (-5.08)	0.03 (8)	20	17	42	22	16	15	11	10
	-1750 (-8.89)	0.11 (27)	21	19	42	25	17	16	11	9
	-2500 (-12.7)	0.23 (57)	22	21	41	26	18	16	12	9
	+2500 (+12.7)	0.23 (57)	27	23	31	28	22	19	15	12
	+1750 (+8.89)	0.11 (27)	26	21	44	27	18	18	13	11
	+1000 (+5.08)	0.03 (8)	25	19	45	25	17	17	13	11
78 (1950)	0 (0)	0.00 (0)	25	17	43	23	16	17	14	12
	-1000 (-5.08)	0.03 (8)	27	19	45	25	17	17	13	11
	-1750 (-8.89)	0.11 (27)	28	21	44	27	18	18	13	11
	-2500 (-12.7)	0.23 (57)	29	23	44	28	20	18	14	11
	+2500 (+12.7)	0.23 (57)	31	25	31	29	23	21	17	13
	+1750 (+8.89)	0.11 (27)	29	23	47	28	19	19	14	12
	+1000 (+5.08)	0.03 (8)	29	20	49	26	17	19	14	12
78 (1950)	0 (0)	0.00 (0)	29	18	46	25	17	19	15	13
	-1000 (-5.08)	0.03 (8)	31	20	47	26	18	19	14	12
	-1750 (-8.89)	0.11 (27)	33	22	45	28	19	19	15	12
	-2500 (-12.7)	0.23 (57)	33	25	45	29	21	19	15	12

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	1750 fpm	2500 fpm
42 (1050)	0.03 (8)	0.11 (27)	0.23 (57)
54 (1350)	0.03 (8)	0.11 (27)	0.23 (57)
66 (1650)	0.03 (8)	0.11 (27)	0.23 (57)
78 (1950)	0.03 (8)	0.11 (27)	0.23 (57)
86 (2150)	0.03 (8)	0.11 (27)	0.23 (57)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	70	58	52	44	42	42	35	29
	+1750 (+8.89)	69	55	47	40	37	35	30	28
All Lengths	+1000 (+5.08)	68	50	39	33	29	24	22	27
	-1000 (-5.08)	68	49	34	28	24	19	21	27
	-1750 (-8.89)	68	50	38	33	32	27	24	27
	-2500 (-12.7)	68	51	40	37	37	32	26	27

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.35 ft^2.
6. The performance data above is based on a 8 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHS/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	20	20	40-84
Metric	250	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.36 (90)	8	6	20	27	19	13	9	7
	+1750 (+8.89)	0.18 (45)	6	6	20	26	18	12	10	7
	+1000 (+5.08)	0.06 (15)	8	7	18	22	13	11	9	7
40 (1000)	0 (0)	0.00 (0)	8	6	17	19	12	10	8	7
	-1000 (-5.08)	0.06 (15)	7	7	17	22	13	11	8	7
	-1750 (-8.89)	0.18 (45)	8	7	19	25	16	12	9	7
	-2500 (-12.7)	0.36 (90)	8	9	21	27	17	12	9	7
	+2500 (+12.7)	0.36 (91)	11	7	21	27	19	13	10	7
	+1750^t (+8.89)	0.18 (46)	10	7	20	26	17	12	9	7
	+1000 (+5.08)	0.06 (15)	11	7	18	23	13	12	9	7
52 (1300)	0 (0)	0.00 (0)	10	6	17	20	12	11	8	7
	-1000 (-5.08)	0.06 (15)	9	7	18	23	13	11	9	7
	-1750 (-8.89)	0.18 (46)	11	8	20	26	16	12	9	7
	-2500 (-12.7)	0.36 (91)	11	9	21	27	17	12	9	7
	+2500 (+12.7)	0.37 (91)	14	8	21	28	20	14	10	7
	+1750 (+8.89)	0.19 (46)	13	8	20	27	17	13	9	7
	+1000 (+5.08)	0.06 (15)	14	7	19	24	14	12	9	7
64 (1600)	0 (0)	0.00 (0)	12	6	17	22	12	11	9	7
	-1000 (-5.08)	0.06 (15)	12	7	18	23	13	12	9	7
	-1750 (-8.89)	0.19 (46)	13	8	21	26	16	12	9	7
	-2500 (-12.7)	0.37 (91)	14	9	22	27	18	12	9	7
	+2500 (+12.7)	0.37 (91)	17	9	21	28	20	14	10	7
	+1750 (+8.89)	0.19 (47)	17	9	21	27	16	13	9	6
	+1000 (+5.08)	0.06 (15)	16	7	19	25	14	12	9	7
76 (1900)	0 (0)	0.00 (0)	14	5	17	23	12	12	9	7
	-1000 (-5.08)	0.06 (15)	15	7	19	24	14	12	9	7
	-1750 (-8.89)	0.19 (47)	16	9	21	27	16	12	9	6
	-2500 (-12.7)	0.37 (91)	17	10	22	28	18	13	9	6
	+2500 (+12.7)	0.37 (92)	19	10	21	28	20	14	11	7
	+1750 (+8.89)	0.19 (47)	19	10	21	27	15	13	9	6
	+1000 (+5.08)	0.06 (15)	18	7	19	25	14	12	9	7
84 (2100)	0 (0)	0.00 (0)	16	5	17	24	12	12	9	7
	-1000 (-5.08)	0.06 (15)	17	7	19	25	14	12	9	7
	-1750 (-8.89)	0.19 (47)	17	9	22	27	16	13	9	6
	-2500 (-12.7)	0.37 (92)	18	10	22	28	18	13	9	6

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.06 (15)	0.18 (45)	0.36 (90)
52 (1300)	0.06 (15)	0.18 (46)	0.36 (91)
64 (1600)	0.06 (15)	0.19 (46)	0.37 (91)
76 (1900)	0.06 (15)	0.19 (47)	0.37 (91)
84 (2100)	0.06 (15)	0.19 (47)	0.37 (92)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	69	56	52	46	44	44	39	32
	+1750 (+8.89)	68	53	46	40	39	37	33	30
All Lengths	+1000 (+5.08)	66	48	38	32	30	25	23	28
	-1000 (-5.08)	66	47	34	29	26	21	22	27
	-1750 (-8.89)	66	49	39	35	34	30	28	28
	-2500 (-12.7)	66	50	42	40	40	37	31	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHB/10

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	10	30	30	42-86
Metric	250	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.38 (93)	9	12	27	20	16	12	8	6
	+1750 (+8.89)	0.19 (47)	9	12	29	20	17	11	8	6
	+1000 (+5.08)	0.06 (15)	6	10	28	16	13	10	7	6
42 (1050)	0 (0)	0.00 (0)	7	11	28	14	12	9	7	5
	-1000 (-5.08)	0.06 (15)	6	13	34	16	12	10	7	6
	-1750 (-8.89)	0.19 (47)	7	15	35	19	14	11	7	6
	-2500 (-12.7)	0.38 (93)	9	14	33	21	17	12	7	6
	+2500 (+12.7)	0.37 (93)	14	14	27	22	17	14	10	7
	+1750 (+8.89)	0.19 (46)	14	14	32	22	17	13	10	7
	+1000 (+5.08)	0.06 (15)	12	12	32	18	14	12	9	7
54 (1350)	0 (0)	0.00 (0)	12	12	31	16	13	11	8	7
	-1000 (-5.08)	0.06 (15)	13	14	36	18	13	12	8	7
	-1750 (-8.89)	0.19 (46)	13	16	37	21	15	13	9	7
	-2500 (-12.7)	0.37 (93)	15	16	34	22	17	13	9	7
	+2500 (+12.7)	0.37 (92)	19	17	27	24	18	15	12	9
	+1750 (+8.89)	0.18 (45)	18	16	35	23	18	15	11	8
	+1000 (+5.08)	0.06 (15)	17	14	36	20	15	14	10	8
66 (1650)	0 (0)	0.00 (0)	18	13	34	18	14	13	10	8
	-1000 (-5.08)	0.06 (15)	19	15	38	20	15	14	10	8
	-1750 (-8.89)	0.18 (45)	20	17	38	23	17	14	10	8
	-2500 (-12.7)	0.37 (92)	21	18	35	24	18	14	10	8
	+2500 (+12.7)	0.37 (92)	24	19	27	25	19	16	13	10
	+1750 (+8.89)	0.18 (45)	23	17	39	25	18	16	12	9
	+1000 (+5.08)	0.06 (14)	23	16	40	22	16	16	12	9
78 (1950)	0 (0)	0.00 (0)	23	14	37	20	15	15	12	10
	-1000 (-5.08)	0.06 (14)	25	16	40	22	16	15	12	9
	-1750 (-8.89)	0.18 (45)	26	18	40	25	18	16	12	9
	-2500 (-12.7)	0.37 (92)	27	20	37	26	18	16	12	9
	+2500 (+12.7)	0.37 (92)	27	20	27	26	20	17	14	11
	+1750 (+8.89)	0.18 (44)	26	18	41	26	18	17	13	10
	+1000 (+5.08)	0.06 (14)	27	17	42	24	17	17	13	10
86 (2150)	0 (0)	0.00 (0)	27	14	39	22	16	16	13	10
	-1000 (-5.08)	0.06 (14)	29	16	41	23	17	16	13	10
	-1750 (-8.89)	0.18 (44)	30	19	41	26	19	17	13	10
	-2500 (-12.7)	0.37 (92)	31	21	38	27	19	16	13	10

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	1750 fpm	2500 fpm
42 (1050)	0.06 (15)	0.19 (47)	0.38 (93)
54 (1350)	0.06 (15)	0.19 (46)	0.37 (93)
66 (1650)	0.06 (15)	0.18 (45)	0.37 (92)
78 (1950)	0.06 (14)	0.18 (45)	0.37 (92)
86 (2150)	0.06 (14)	0.18 (44)	0.37 (92)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	70	57	52	45	44	44	39	31
	+1750 (+8.89)	68	54	47	40	38	37	32	30
All Lengths	+1000 (+5.08)	66	48	39	33	30	25	23	27
	-1000 (-5.08)	66	47	34	29	26	21	22	27
	-1750 (-8.89)	66	49	39	35	34	31	28	28
	-2500 (-12.7)	66	50	42	39	40	37	31	29

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.55 ft^2.
6. The performance data above is based on a 10 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.
© Copyright Price Industries Limited 2014.

Performance Data - Model PECHS/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	20	20	40-84
Metric	300	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.50 (124)	9	4	14	28	21	13	10	7
	+1750 (+8.89)	0.26 (65)	7	4	14	28	21	12	9	7
	+1000 (+5.08)	0.08 (21)	8	2	11	26	14	11	9	7
40 (1000)	0 (0)	0.00 (0)	8	2	9	22	13	9	8	7
	-1000 (-5.08)	0.08 (21)	9	3	10	26	14	10	8	7
	-1750 (-8.89)	0.26 (65)	11	4	13	29	18	11	9	8
	-2500 (-12.7)	0.50 (124)	8	7	15	29	20	12	9	8
	+2500 (+12.7)	0.50 (125)	10	5	15	27	20	12	8	5
	+1750 (+8.89)	0.26 (64)	9	5	15	27	18	11	8	5
	+1000 (+5.08)	0.08 (21)	11	3	12	25	13	10	7	5
52 (1300)	0 (0)	0.00 (0)	10	3	10	22	12	9	7	5
	-1000 (-5.08)	0.08 (21)	10	4	12	25	13	9	7	6
	-1750 (-8.89)	0.26 (64)	12	5	14	28	17	10	8	6
	-2500 (-12.7)	0.50 (125)	11	7	16	28	19	11	8	6
	+2500 (+12.7)	0.50 (126)	12	6	16	27	19	11	7	4
	+1750 (+8.89)	0.26 (64)	12	5	15	26	15	10	7	4
	+1000 (+5.08)	0.08 (21)	13	4	14	24	12	9	6	4
64 (1600)	0 (0)	0.00 (0)	11	3	11	21	11	8	6	4
	-1000 (-5.08)	0.08 (21)	12	4	13	24	12	9	6	4
	-1750 (-8.89)	0.26 (64)	13	5	16	26	15	9	7	4
	-2500 (-12.7)	0.50 (126)	13	7	16	27	17	10	7	4
	+2500 (+12.7)	0.51 (126)	14	7	17	26	18	10	6	2
	+1750 (+8.89)	0.26 (64)	15	6	16	25	13	9	6	2
	+1000 (+5.08)	0.08 (21)	15	6	15	23	11	8	5	2
76 (1900)	0 (0)	0.00 (0)	13	4	13	21	9	7	5	2
	-1000 (-5.08)	0.08 (21)	13	5	15	22	11	8	5	2
	-1750 (-8.89)	0.26 (64)	15	6	17	25	14	8	6	2
	-2500 (-12.7)	0.51 (126)	16	7	17	26	15	8	6	2
	+2500 (+12.7)	0.51 (127)	16	8	18	26	17	10	6	1
	+1750 (+8.89)	0.25 (63)	17	6	16	25	11	8	5	1
	+1000 (+5.08)	0.08 (21)	17	6	16	23	11	8	5	1
84 (2100)	0 (0)	0.00 (0)	14	4	14	21	9	7	4	1
	-1000 (-5.08)	0.08 (21)	14	5	16	21	10	7	5	1
	-1750 (-8.89)	0.25 (63)	16	6	18	25	13	8	5	1
	-2500 (-12.7)	0.51 (127)	17	6	18	25	14	8	5	1

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.08 (21)	0.26 (65)	0.50 (124)
52 (1300)	0.08 (21)	0.26 (64)	0.50 (125)
64 (1600)	0.08 (21)	0.26 (64)	0.50 (126)
76 (1900)	0.08 (21)	0.26 (64)	0.50 (126)
84 (2100)	0.08 (21)	0.25 (63)	0.51 (127)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	69	56	53	47	46	47	43	34
	+1750 (+8.89)	67	52	47	41	40	39	36	32
All Lengths	+1000 (+5.08)	64	46	38	32	31	26	25	29
	-1000 (-5.08)	64	46	34	30	28	23	23	28
	-1750 (-8.89)	65	49	40	37	37	34	31	29
	-2500 (-12.7)	65	51	44	42	44	41	36	30

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHB/12

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	12	30	30	42-86
Metric	300	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.52 (130)	7	10	22	18	14	12	7	4
	+1750 (+8.89)	0.27 (67)	7	12	26	18	16	11	7	4
	+1000 (+5.08)	0.09 (22)	5	8	30	14	11	9	6	4
42 (1050)	0 (0)	0.00 (0)	8	11	27	12	10	8	6	4
	-1000 (-5.08)	0.09 (22)	7	13	34	14	11	9	6	4
	-1750 (-8.89)	0.27 (67)	8	14	31	18	13	10	7	5
	-2500 (-12.7)	0.52 (130)	8	13	29	18	18	11	7	5
	+2500 (+12.7)	0.52 (129)	12	12	22	19	15	12	9	5
	+1750 (+8.89)	0.26 (65)	12	12	28	19	16	12	8	5
	+1000 (+5.08)	0.09 (22)	10	10	31	16	13	11	7	5
54 (1350)	0 (0)	0.00 (0)	13	11	28	14	11	10	7	5
	-1000 (-5.08)	0.09 (22)	12	13	34	16	12	11	7	5
	-1750 (-8.89)	0.26 (65)	13	14	33	19	15	11	8	6
	-2500 (-12.7)	0.52 (129)	14	14	29	20	17	12	8	6
	+2500 (+12.7)	0.51 (128)	16	13	22	21	15	12	10	6
	+1750 (+8.89)	0.26 (64)	16	13	31	21	17	13	9	6
	+1000 (+5.08)	0.08 (21)	15	11	33	18	14	13	9	6
66 (1650)	0 (0)	0.00 (0)	17	11	30	15	12	11	8	6
	-1000 (-5.08)	0.08 (21)	17	13	34	18	14	12	9	6
	-1750 (-8.89)	0.26 (64)	19	15	34	21	16	13	9	7
	-2500 (-12.7)	0.51 (128)	19	15	30	22	17	12	9	6
	+2500 (+12.7)	0.51 (127)	20	15	22	23	16	13	11	7
	+1750 (+8.89)	0.25 (62)	21	13	33	22	17	15	10	7
	+1000 (+5.08)	0.08 (20)	20	13	34	20	16	14	10	7
78 (1950)	0 (0)	0.00 (0)	22	11	31	17	14	13	10	7
	-1000 (-5.08)	0.08 (20)	23	13	34	20	15	13	10	7
	-1750 (-8.89)	0.25 (62)	24	16	36	23	18	14	11	7
	-2500 (-12.7)	0.51 (127)	25	17	30	23	17	13	10	7
	+2500 (+12.7)	0.51 (126)	23	16	22	24	17	13	12	8
	+1750 (+8.89)	0.25 (61)	24	14	35	23	18	16	11	8
	+1000 (+5.08)	0.08 (20)	24	14	35	22	17	15	11	8
86 (2150)	0 (0)	0.00 (0)	24	11	33	18	14	14	11	8
	-1000 (-5.08)	0.08 (20)	26	13	34	21	16	14	11	8
	-1750 (-8.89)	0.25 (61)	28	16	36	24	19	15	11	8
	-2500 (-12.7)	0.51 (126)	28	18	30	25	16	13	11	8

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	1750 fpm	2500 fpm
42 (1050)	0.09 (22)	0.27 (67)	0.52 (130)
54 (1350)	0.09 (22)	0.26 (65)	0.52 (129)
66 (1650)	0.08 (21)	0.26 (64)	0.51 (128)
78 (1950)	0.08 (20)	0.25 (62)	0.51 (127)
86 (2150)	0.08 (20)	0.25 (61)	0.51 (126)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	70	57	52	46	46	47	42	34
	+1750 (+8.89)	68	53	47	40	40	38	35	32
All Lengths	+1000 (+5.08)	64	47	38	32	31	26	24	28
	-1000 (-5.08)	64	46	34	30	28	22	22	27
	-1750 (-8.89)	65	48	41	37	37	34	31	29
	-2500 (-12.7)	65	49	45	41	43	41	36	30

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 0.79 ft^2.
6. The performance data above is based on a 12 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHS/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	20	20	40-84
Metric	350	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.52 (128)	6	4	12	20	18	11	8	5
	+1750 (+8.89)	0.26 (65)	6	4	12	21	17	10	8	5
	+1000 (+5.08)	0.08 (21)	7	3	10	20	13	9	7	5
40 (1000)	0 (0)	0.00 (0)	7	3	7	16	11	7	7	5
	-1000 (-5.08)	0.08 (21)	7	3	9	20	12	8	7	6
	-1750 (-8.89)	0.26 (65)	8	5	12	22	16	9	8	6
	-2500 (-12.7)	0.52 (128)	6	6	12	22	17	10	8	6
	+2500 (+12.7)	0.50 (124)	8	5	13	22	19	11	8	5
	+1750 (+8.89)	0.25 (62)	7	5	13	22	17	10	8	5
	+1000 (+5.08)	0.08 (20)	8	4	11	21	13	9	7	5
52 (1300)	0 (0)	0.00 (0)	8	3	9	18	11	8	7	5
	-1000 (-5.08)	0.08 (20)	8	4	11	20	12	8	7	5
	-1750 (-8.89)	0.25 (62)	9	5	13	23	16	10	8	6
	-2500 (-12.7)	0.50 (124)	9	6	13	23	17	10	8	5
	+2500 (+12.7)	0.48 (120)	10	6	14	23	19	11	8	5
	+1750 (+8.89)	0.24 (60)	9	5	13	23	17	10	8	4
	+1000 (+5.08)	0.08 (20)	10	5	12	22	13	9	7	4
64 (1600)	0 (0)	0.00 (0)	9	3	11	19	11	8	7	4
	-1000 (-5.08)	0.08 (20)	10	4	12	21	13	9	7	5
	-1750 (-8.89)	0.24 (60)	11	6	14	24	16	10	7	5
	-2500 (-12.7)	0.48 (120)	11	7	14	24	18	10	8	5
	+2500 (+12.7)	0.46 (116)	12	7	15	25	20	12	8	4
	+1750 (+8.89)	0.23 (58)	11	6	14	24	17	10	8	4
	+1000 (+5.08)	0.08 (20)	11	5	13	23	14	9	7	4
76 (1900)	0 (0)	0.00 (0)	10	4	12	20	12	8	7	4
	-1000 (-5.08)	0.08 (20)	11	5	14	22	13	9	7	4
	-1750 (-8.89)	0.23 (58)	12	6	15	24	16	10	7	4
	-2500 (-12.7)	0.46 (116)	14	7	15	25	19	11	7	4
	+2500 (+12.7)	0.45 (113)	13	8	16	25	20	12	8	4
	+1750 (+8.89)	0.22 (56)	13	7	15	25	16	10	7	4
	+1000 (+5.08)	0.08 (19)	12	6	14	23	14	9	7	4
84 (2100)	0 (0)	0.00 (0)	11	4	14	21	12	9	6	4
	-1000 (-5.08)	0.08 (19)	12	5	15	22	14	9	7	4
	-1750 (-8.89)	0.22 (56)	13	6	16	25	17	10	7	4
	-2500 (-12.7)	0.45 (113)	15	7	16	25	19	11	7	4

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.08 (21)	0.26 (65)	0.52 (128)
52 (1300)	0.08 (20)	0.25 (62)	0.50 (124)
64 (1600)	0.08 (20)	0.24 (60)	0.48 (120)
76 (1900)	0.08 (20)	0.23 (58)	0.46 (116)
84 (2100)	0.08 (19)	0.22 (56)	0.45 (113)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	69	56	52	47	48	49	44	36
	+1750 (+8.89)	66	53	47	42	42	40	37	33
All Lengths	+1000 (+5.08)	63	47	38	33	32	28	26	30
	-1000 (-5.08)	64	47	36	32	29	25	24	29
	-1750 (-8.89)	65	51	42	39	39	36	33	31
	-2500 (-12.7)	65	53	47	45	45	44	38	33

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHB/14

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	14	30	30	42-86
Metric	350	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.51 (126)	7	11	20	16	12	10	6	4
	+1750 (+8.89)	0.25 (63)	7	12	23	16	13	9	7	4
	+1000 (+5.08)	0.09 (21)	5	10	27	13	9	8	5	3
42 (1050)	0 (0)	0.00 (0)	7	11	26	11	8	7	5	4
	-1000 (-5.08)	0.09 (21)	7	12	29	13	9	8	6	4
	-1750 (-8.89)	0.25 (63)	6	13	27	16	11	9	6	4
	-2500 (-12.7)	0.51 (126)	6	13	26	17	14	10	6	4
	+2500 (+12.7)	0.49 (122)	10	12	22	18	14	11	8	5
	+1750 (+8.89)	0.24 (61)	10	12	26	18	14	11	8	5
	+1000 (+5.08)	0.08 (21)	9	10	28	15	11	10	7	5
54 (1350)	0 (0)	0.00 (0)	10	10	27	12	10	9	7	5
	-1000 (-5.08)	0.08 (21)	11	12	30	15	11	9	7	5
	-1750 (-8.89)	0.24 (61)	11	14	29	18	13	10	8	5
	-2500 (-12.7)	0.49 (122)	11	14	27	18	15	11	8	5
	+2500 (+12.7)	0.47 (117)	13	13	24	20	16	12	9	6
	+1750 (+8.89)	0.23 (58)	13	12	29	19	16	12	9	6
	+1000 (+5.08)	0.08 (20)	13	11	30	17	13	11	8	6
66 (1650)	0 (0)	0.00 (0)	14	10	28	14	11	10	8	6
	-1000 (-5.08)	0.08 (20)	14	12	31	16	12	11	8	6
	-1750 (-8.89)	0.23 (58)	15	14	32	20	15	12	9	6
	-2500 (-12.7)	0.47 (117)	15	15	28	20	16	12	9	6
	+2500 (+12.7)	0.45 (113)	17	14	26	21	18	13	11	7
	+1750 (+8.89)	0.22 (55)	16	13	32	21	18	14	10	7
	+1000 (+5.08)	0.08 (19)	17	11	31	18	15	13	10	7
78 (1950)	0 (0)	0.00 (0)	17	10	29	15	13	12	9	7
	-1000 (-5.08)	0.08 (19)	18	12	32	18	14	12	9	7
	-1750 (-8.89)	0.22 (55)	20	15	34	21	17	13	10	7
	-2500 (-12.7)	0.45 (113)	20	16	30	22	18	13	10	7
	+2500 (+12.7)	0.44 (110)	19	15	27	22	19	14	12	8
	+1750 (+8.89)	0.22 (54)	18	13	34	22	19	15	11	8
	+1000 (+5.08)	0.08 (19)	19	12	32	20	16	14	11	8
86 (2150)	0 (0)	0.00 (0)	19	10	29	16	14	13	10	8
	-1000 (-5.08)	0.08 (19)	21	12	33	19	15	13	10	8
	-1750 (-8.89)	0.22 (54)	22	15	36	22	19	14	11	8
	-2500 (-12.7)	0.44 (110)	23	17	31	23	19	14	11	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	1750 fpm	2500 fpm
42 (1050)	0.09 (21)	0.25 (63)	0.51 (126)
54 (1350)	0.08 (21)	0.25 (61)	0.49 (122)
66 (1650)	0.08 (20)	0.23 (58)	0.47 (117)
78 (1950)	0.08 (19)	0.22 (55)	0.45 (113)
86 (2150)	0.08 (19)	0.22 (54)	0.44 (110)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	69	57	52	46	47	48	43	35
	+1750 (+8.89)	67	53	47	41	41	40	36	33
All Lengths	+1000 (+5.08)	64	47	38	33	31	27	25	28
	-1000 (-5.08)	64	47	36	31	29	24	24	28
	-1750 (-8.89)	64	50	42	39	39	36	33	31
	-2500 (-12.7)	65	52	47	44	45	44	38	33

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.07 ft^2.
6. The performance data above is based on a 14 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHS/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	20	20	40-84
Metric	400	500	500	1000-2100

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.53 (133)	4	4	10	13	15	10	6	4
	+1750 (+8.89)	0.26 (65)	5	4	9	15	14	8	6	4
	+1000 (+5.08)	0.08 (21)	5	3	9	15	11	7	5	4
40 (1000)	0 (0)	0.00 (0)	6	4	6	10	9	6	5	4
	-1000 (-5.08)	0.08 (21)	5	4	9	13	10	6	5	4
	-1750 (-8.89)	0.26 (65)	5	5	10	15	13	8	6	5
	-2500 (-12.7)	0.53 (133)	4	4	10	14	13	8	6	4
	+2500 (+12.7)	0.50 (123)	6	5	11	16	17	11	7	5
	+1750 (+8.89)	0.24 (60)	6	5	11	18	16	9	7	5
	+1000 (+5.08)	0.08 (20)	6	4	10	17	13	8	6	4
52 (1300)	0 (0)	0.00 (0)	6	4	8	13	10	7	6	5
	-1000 (-5.08)	0.08 (20)	6	4	10	16	12	7	6	5
	-1750 (-8.89)	0.24 (60)	7	6	11	18	15	9	7	5
	-2500 (-12.7)	0.50 (123)	7	5	11	18	16	9	7	5
	+2500 (+12.7)	0.46 (114)	8	6	12	20	20	12	8	5
	+1750 (+8.89)	0.22 (56)	7	6	12	21	18	11	8	5
	+1000 (+5.08)	0.08 (19)	6	5	11	20	15	9	7	5
64 (1600)	0 (0)	0.00 (0)	7	4	10	16	12	8	7	5
	-1000 (-5.08)	0.08 (19)	7	4	11	18	14	9	7	5
	-1750 (-8.89)	0.22 (56)	8	6	12	21	17	10	8	6
	-2500 (-12.7)	0.46 (114)	9	6	13	21	19	11	8	5
	+2500 (+12.7)	0.42 (105)	9	7	13	23	22	13	10	6
	+1750 (+8.89)	0.21 (51)	8	7	13	24	20	12	9	6
	+1000 (+5.08)	0.07 (18)	7	5	12	22	16	10	8	6
76 (1900)	0 (0)	0.00 (0)	7	4	12	19	14	10	8	6
	-1000 (-5.08)	0.07 (18)	8	4	13	21	16	10	8	6
	-1750 (-8.89)	0.21 (51)	9	6	13	24	19	11	9	6
	-2500 (-12.7)	0.42 (105)	11	7	14	24	22	13	9	6
	+2500 (+12.7)	0.40 (99)	10	8	13	25	23	14	10	7
	+1750 (+8.89)	0.19 (48)	8	7	14	26	22	13	10	7
	+1000 (+5.08)	0.07 (18)	7	6	13	24	17	11	9	6
84 (2100)	0 (0)	0.00 (0)	7	4	14	21	15	10	9	6
	-1000 (-5.08)	0.07 (18)	9	4	13	23	17	11	9	6
	-1750 (-8.89)	0.19 (48)	10	7	14	25	21	12	9	7
	-2500 (-12.7)	0.40 (99)	13	8	15	26	24	14	10	6

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 750 fpm	1250 fpm	1750 fpm
40 (1000)	0.08 (21)	0.26 (65)	0.53 (133)
52 (1300)	0.08 (20)	0.24 (60)	0.50 (123)
64 (1600)	0.08 (19)	0.22 (56)	0.46 (114)
76 (1900)	0.07 (18)	0.21 (51)	0.42 (105)
84 (2100)	0.07 (18)	0.19 (48)	0.40 (99)

Generated Noise

Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	68	56	52	48	50	51	46	38
	+1750 (+8.89)	66	53	47	42	43	42	38	34
All Lengths	+1000 (+5.08)	62	48	39	34	33	29	27	30
	-1000 (-5.08)	64	48	37	33	31	27	26	29
	-1750 (-8.89)	64	52	44	42	41	38	35	33
	-2500 (-12.7)	65	55	49	47	47	46	40	35

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

© Copyright Price Industries Limited 2014.

Performance Data - Model PECHB/16

Dimensional Data — Imperial (in.) / Metric (mm)

	Duct Diameter	Silencer Width	Silencer Height	Silencer Length
Imperial	16	30	30	42-86
Metric	400	750	750	1050-2150

Insertion Loss

Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Dynamic Insertion Loss (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	0.49 (122)	6	12	17	15	11	9	6	4
	+1750 (+8.89)	0.24 (60)	6	11	20	15	10	7	6	3
	+1000 (+5.08)	0.08 (21)	4	12	24	13	7	7	5	3
42 (1050)	0 (0)	0.00 (0)	5	11	24	10	6	6	5	3
	-1000 (-5.08)	0.08 (21)	6	11	24	12	7	6	5	3
	-1750 (-8.89)	0.24 (60)	5	13	23	15	9	7	6	4
	-2500 (-12.7)	0.49 (122)	4	13	23	15	10	8	6	4
	+2500 (+12.7)	0.46 (114)	8	13	21	16	13	10	7	5
	+1750 (+8.89)	0.23 (56)	8	12	23	16	12	9	7	5
	+1000 (+5.08)	0.08 (20)	7	11	26	14	10	8	6	4
54 (1350)	0 (0)	0.00 (0)	8	10	25	11	8	7	6	4
	-1000 (-5.08)	0.08 (20)	9	11	26	13	9	8	6	4
	-1750 (-8.89)	0.23 (56)	8	13	26	16	12	9	7	5
	-2500 (-12.7)	0.46 (114)	8	14	25	17	13	10	7	5
	+2500 (+12.7)	0.43 (107)	11	13	25	18	16	12	9	6
	+1750 (+8.89)	0.21 (52)	10	12	27	18	15	11	9	6
	+1000 (+5.08)	0.08 (19)	10	11	27	15	12	10	8	5
66 (1650)	0 (0)	0.00 (0)	10	9	26	12	10	9	8	6
	-1000 (-5.08)	0.08 (19)	11	11	28	15	11	10	7	6
	-1750 (-8.89)	0.21 (52)	11	14	29	18	14	11	8	6
	-2500 (-12.7)	0.43 (107)	11	15	27	19	16	11	8	6
	+2500 (+12.7)	0.40 (99)	13	13	29	20	19	14	10	7
	+1750 (+8.89)	0.20 (49)	12	12	30	20	18	13	10	7
	+1000 (+5.08)	0.08 (19)	13	10	29	17	14	12	9	7
78 (1950)	0 (0)	0.00 (0)	13	9	26	13	12	11	9	7
	-1000 (-5.08)	0.08 (19)	14	11	31	16	13	11	9	7
	-1750 (-8.89)	0.20 (49)	15	14	32	20	16	12	9	7
	-2500 (-12.7)	0.40 (99)	15	16	30	21	19	13	9	6
	+2500 (+12.7)	0.38 (94)	14	14	32	21	21	15	11	7
	+1750 (+8.89)	0.19 (46)	13	12	32	21	20	14	11	7
	+1000 (+5.08)	0.07 (18)	15	10	30	18	15	13	10	7
86 (2150)	0 (0)	0.00 (0)	14	8	26	13	13	12	10	8
	-1000 (-5.08)	0.07 (18)	16	11	32	17	15	12	10	7
	-1750 (-8.89)	0.19 (46)	17	14	35	21	18	13	10	7
	-2500 (-12.7)	0.38 (94)	17	16	31	22	21	14	10	7

Pressure Drop

Length in. (mm)	Pressure Drop (in. w.g. [Pa]) at a Specific Face Velocity 1000 fpm	1750 fpm	2500 fpm
42 (1050)	0.08 (21)	0.24 (60)	0.49 (122)
54 (1350)	0.08 (20)	0.26 (56)	0.46 (114)
66 (1650)	0.08 (19)	0.21 (52)	0.43 (107)
78 (1950)	0.08 (19)	0.20 (49)	0.40 (99)
86 (2150)	0.07 (18)	0.19 (46)	0.38 (94)

Generated Noise

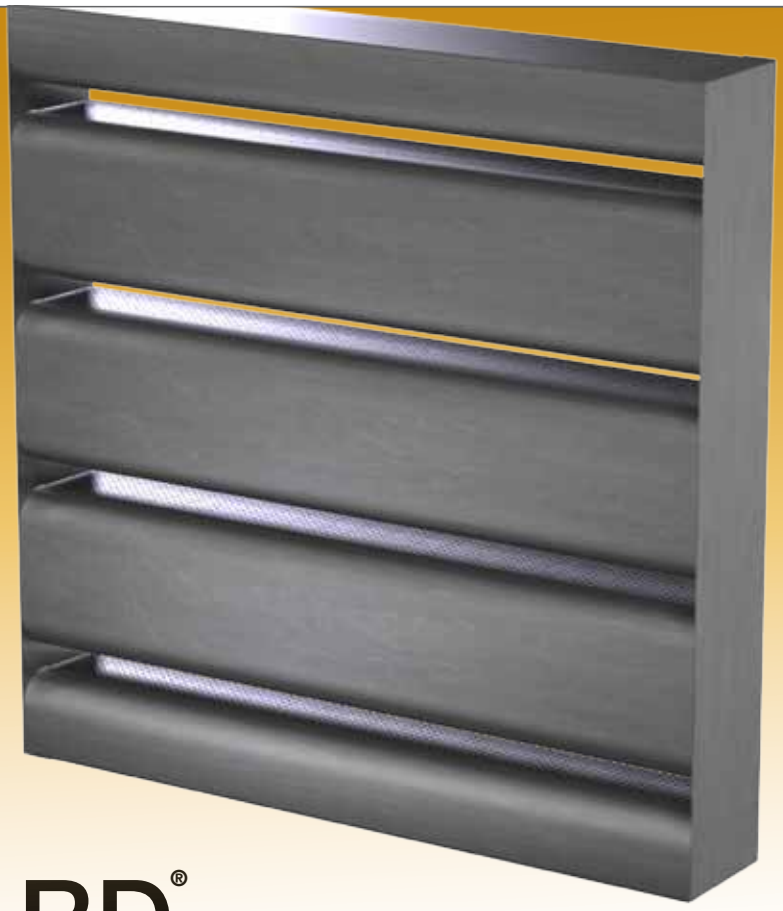
Length	Face Velocity fpm (m/s)	Generated Noise (dB) Measured at Octave Band Center Frequencies 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	+2500 (+12.7)	68	57	52	47	49	50	45	37
	+1750 (+8.89)	66	53	47	41	42	41	38	34
All Lengths	+1000 (+5.08)	63	48	38	33	32	29	26	29
	-1000 (-5.08)	63	48	37	33	30	26	26	29
	-1750 (-8.89)	64	52	44	42	40	38	35	33
	-2500 (-12.7)	64	55	48	47	47	46	40	35

Performance Notes:

1. Data tables are derived from values obtained in accordance with ASTM E477-13.
2. "+" indicates performance data for forward flow (supply) applications.
3. "-" indicates performance data for reverse flow (return) applications.
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Please contact your local Price sales rep if insertion loss values greater than 55 dB are required.
5. Generated noise data is based on a face area of 1.40 ft^2.
6. The performance data above is based on a 16 in. duct connection.
7. For performance data specific to a size not cataloged, please use Price Selection Software.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

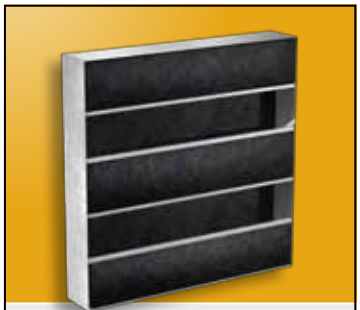


TLRD®

THIN LINE RETURN DISSIPATER

Price Thin Line Return Dissipaters provide an attractive and effective solution to mechanical and air transfer noise. Its slim design makes it an excellent alternative to standard transfer grilles and is particularly useful to return systems in buildings that use ceiling or wall space as a return plenum.

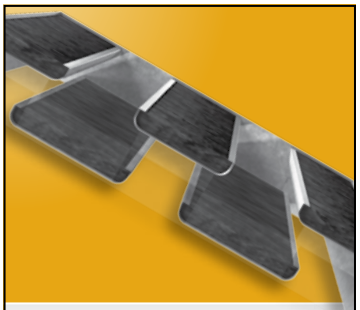
This paintable, compact design provides an innovative solution for attenuating return air.



Low Pressure and Lightweight Configurations

Minimize visibility with Powder Coat Paint

Variety of return or transfer air applications



Extensively prototyped for optimal performance

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Thin Line Return Dissipaters
TLRD®, TLRD-LP, TLRD-LP-T Series

Product Information

Models

Thin Line Return Dissipater **TLRD®**

Thin Line Return Dissipater Low Pressure **TLRD-LP**

Thin Line Return Dissipater Low Pressure Film Lined **TLRD-LP-T**

Price Thin Line Return Dissipaters are designed to provide solutions to HVAC noise control applications by supplying an attractive alternative to standard transfer grilles, with the added benefit of return air noise reduction. The aerodynamically designed internal geometry allows return air to flow through with minimal pressure drop and maximum attenuation performance. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Cataloged performance for transmission loss and insertion loss.
- Powder coat paint option for enhanced appearance.
- Slim engineered geometry to provide a compact design.
- Optimized inlet radius for minimal pressure drop.
- Highest quality welded construction.

TLRD®

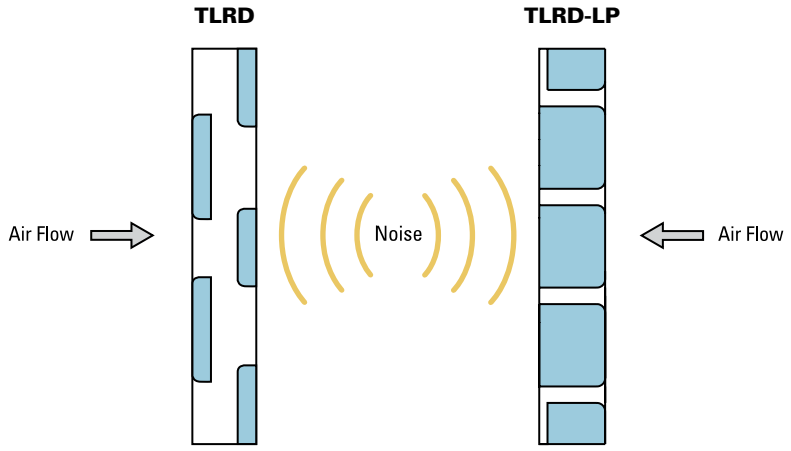
Price TLRD® absorptive silencers are designed for return air applications. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a smooth aerodynamic surface throughout, these silencers are best suited for applications with velocities below 500 fpm.

Recommended Air Velocity Ranges

Price recommends the following air velocity ranges:

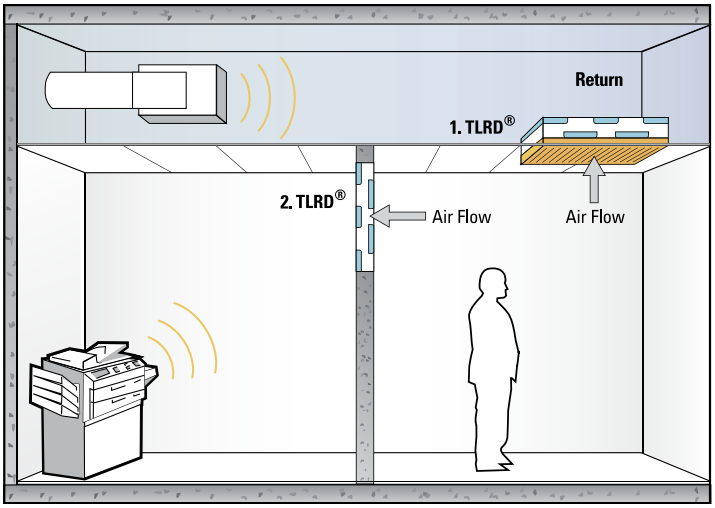
Model	Description	Air Velocity Range (fpm)
TLRD®	Low Velocity Silencer	0 - 500
TLRD-LP	Low Velocity Silencer	0 - 500
TLRD-LP-T	Low Velocity Silencer	0 - 500

TLRD® - Thin Line Return Dissipaters



Applications:

1. Reduce plenum noise from entering occupied space through return air opening
2. Reduce mechanical equipment noise transmission through transfer grilles



NOISE CONTROL

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Thin Line Return Dissipaters
TLRD®, TLRD-LP, TLRD-LP-T Series

Product Information

Construction

Price absorptive Thin Line Return Dissipaters consist of a solid metal casing and acoustic fiberglass media depending on the model.

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Materials

G – Galvanized (Default material)

SC – Satin Coat (Paintable)

Components

Thin Line Return Dissipaters silencers that exceed a width of 48 inches or height of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the duct dimensions.

Dimensional Data

Price Thin Line Return Dissipaters silencers are built to match the duct dimensions less a quarter inch, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Paint
- Fiber Free Foam
- Grilles
- Plastic Covered Ends for Shipping
- Extended sleeve for inclusion with grilles

Contact your local Price sales rep for additional custom options and accessories.

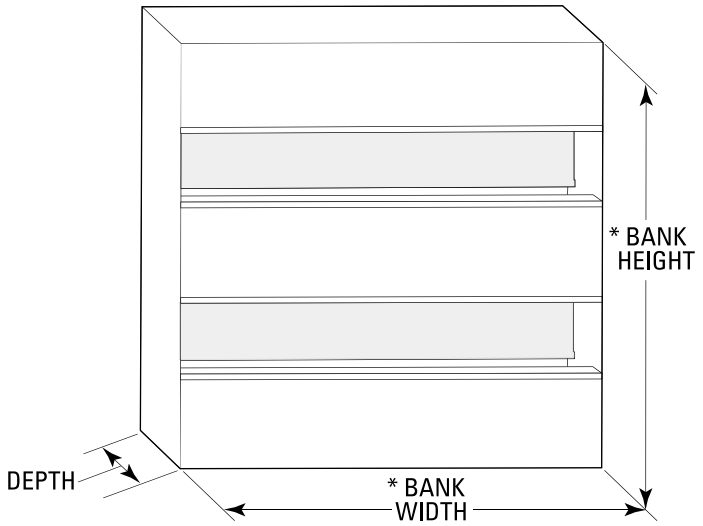
Insertion Loss (dB)

Model	Depth in.	Depth (mm)	Measured at Octave Band Center Frequencies, Hz 63	125	250	500	1K	2K	4K	STC
TLRD	4	100	2	2	3	4	9	14	10	11
TLRD-LP	4	100	2	3	4	8	14	18	16	15
TLRD-LP-T	4	100	2	4	5	6	9	12	11	13

Pressure Drop (in. w.g.)

Model	Face Velocity fpm (m/s)	100 (0.51)	200 (1.02)	300 (1.52)	400 (2.03)
TLRD	in. w.g.	0.02	0.07	0.16	0.28
	(Pa)	(5)	(17)	(40)	(70)
TLRD-LP	in. w.g.	0.01	0.05	0.12	0.20
	(Pa)	(2)	(12)	(30)	(50)
TLRD-LP-T	in. w.g.	0.01	0.05	0.12	0.20
	(Pa)	(2)	(12)	(30)	(50)

- Dyanamic Insertion Loss, measured per ASTM E477-13, with the specimen located at the opening to the reverberation chamber.



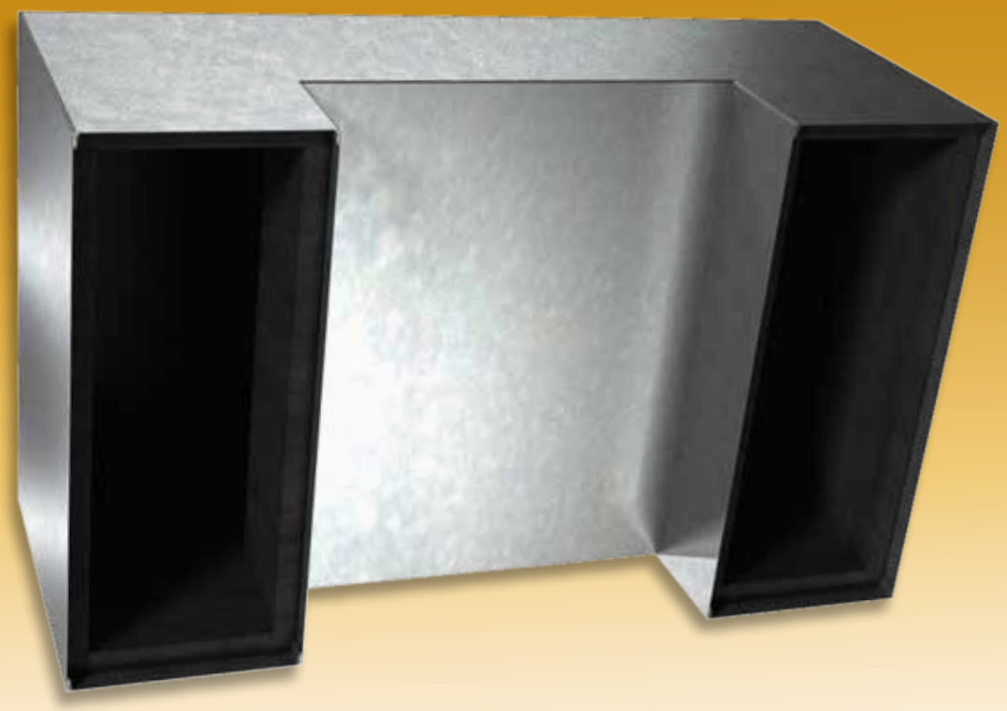
* Bank width & height typically less ¼ inch duct dimensions.

Standard Dimension Limits

Bank Width Min	Bank Width Max	Bank Height Min	Bank Height Max	Standard Depth Min	Component Width Min	Component Width Max	Component Height Min	Component Height Max
6	240	6	144	4	6	48	6	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width and/or height dimensions exceed the maximum component dimensions, the silencer will consist of multiple components.

© Copyright Price Industries Limited 2014.

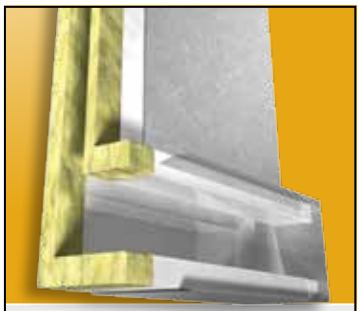


Cross Talk

ABSORPTIVE SILENCERS

Price Cross Talk Silencers are designed to maintain sound transmission ratings in low velocity air transfer between adjoining spaces. The acoustic baffles provide excellent attenuation of speech and unwanted noise while permitting fresh air to circulate continuously. Available for a variety of applications, including ducts, walls, ceilings, and doors.

The wide range of configurations available provides an economical solution for controlling air transfer sound.



Aluminum lined and fiber free foam options

U-shaped sonfiguration

Z- and L-shaped configurations

Wide range of air transfer applications

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Cross Talk Silencers
XTL, XTZ, XTU Series

Product Information

Models

Cross Talk Silencers

L configuration cross talk	**XTL**
Z configuration cross talk	**XTZ**
U configuration cross talk	**XTU**

Price Cross Talk Silencers are designed to supply continuous ventilation between adjacent spaces or rooms while maintaining sound transmission ratings of the common partition. The acoustically engineered internal baffles are lined with fiberglass media and provide excellent noise reduction, while the aerodynamic design minimizes pressure drop and generated noise. Our available standard sizes offer excellent flexibility to ductwork designs, and because we do not limit our cataloged silencer offering to certain sizes, we have the ability to build each silencer to suit the ductwork and, in turn, the application.

Features

- Permits air transfer while attenuating unwanted noise.
- Provides privacy by minimizing speech transmission.
- Aerodynamic design to minimize turbulence and pressure drop.
- Wide range of sizes and designs available to suit variety of applications.
- Fiber free foam option available.
- Highest quality welded construction.
- 3 in. slip connection.

XTL Silencers

Price XTL CrossTalk silencers are designed for low velocity transfer air applications where multiple installations involve a common shaft. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a smooth aerodynamic inlet radius, these silencers are best suited for applications with velocities below 750 fpm.

XTZ Silencers

Price XTZ CrossTalk silencers are designed for low velocity transfer air applications through walls or doors. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a smooth aerodynamic inlet radius, these silencers are best suited for applications with velocities below 750 fpm.

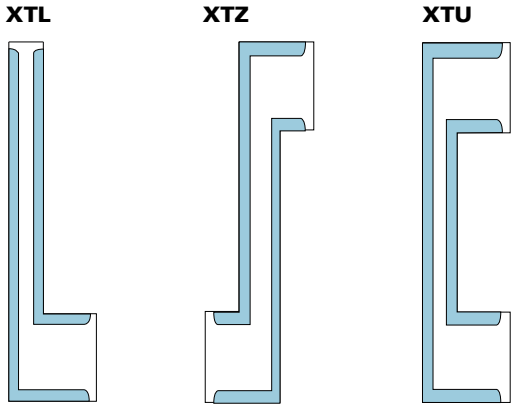
XTU Silencers

Price XTU Cross Talk silencers are designed for low velocity transfer air applications in false ceilings. This low velocity configuration provides the highest insertion loss levels across the full range of frequencies. With a smooth aerodynamic inlet radius, these silencers are best suited for applications with velocities below 750 fpm.

Recommended Air Velocity Ranges

Price recommends that silencers are selected within the following duct velocity ranges:

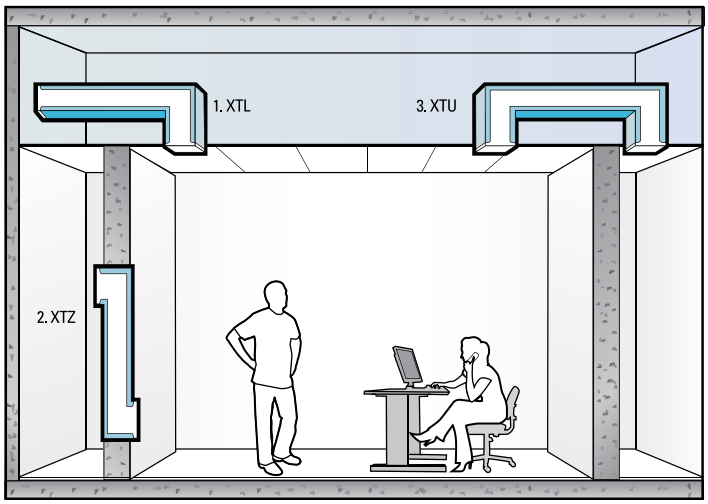
Model	Description	Air Velocity Range (fpm)
XTL, XTZ, XTU	Low Velocity Silencer	0 - 750



Applications:

Provide continuous air ventilation and control of unwanted sound between adjacent spaces:

1. **XTL - Reduce unwanted noise entering a space from a common plenum, shaft or corridor.**
2. **XTZ - Minimize sound transmission through a wall or door.**
3. **XTU - Prevent noise transfer between rooms through the false ceiling.**



© Copyright Price Industries Limited 2014.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

Product Information

Construction

Price absorptive CrossTalk silencers consist of a 22 gauge solid metal casing and acoustic media.

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

SC – Satin Coat (Paintable)

Components

CrossTalk silencers that exceed a width of 48 inches will be built in multiple components, then field assembled (by others) into a bank that matches the required opening dimensions.

Dimensional Data

Price CrossTalk silencers are built to match the required opening dimensions, therefore the width, height, thickness and length dimensions for the silencer must always be specified. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Fiber Free Foam
- Aluminum Foil Liner
- Fiberglass Cloth
- Flanges
- Plastic Covered Ends for Shipping

Contact your local Price sales rep for additional custom options and accessories.

Noise Reduction

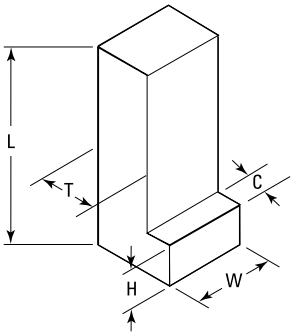
Model	Type	Noise Reduction (dB) Measured at Octave Band Center Frequencies							
		63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz
XTL, XTZ, XTU	Fiberglass	13	11	17	28	39	40	32	26
XTL, XTZ, XTU	Fiber Free Foam	15	9	10	10	17	26	30	32
XTL, XTZ, XTU	Aluminum Foil Liner	13	10	12	27	36	28	26	23

Pressure Drop

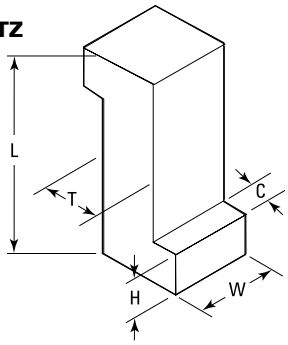
Velocity fpm (m/s)	100 (0.51)	200 (1.02)	300 (1.52)	400 (2.03)	500 (2.54)
in. w.g. (Pa)	0.01 (2)	0.04 (10)	0.07 (17)	0.10 (25)	0.15 (37)

- Velocity based on cross-sectional area (T x W)
- Noise Reduction is derived from testing in accordance with ASTM E477-13, with CrossTalk specimen located at the opening of the reverberation room.
- Difficulty opening doors may be experienced for pressure drops exceeding 0.05 in. w.g.

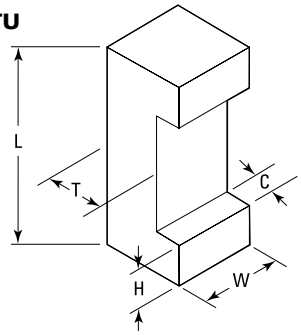
XTL



XTZ



XTU



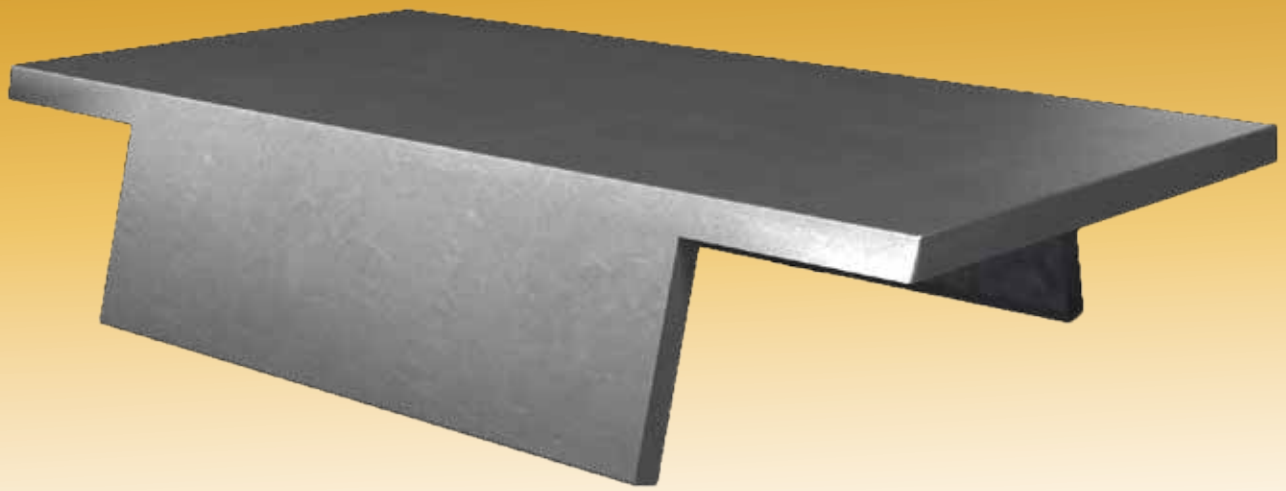
Standard Dimension Limits

W - Width Min	W - Width Max	H -Height	C	T-Thickness	L-Length XTL	L-Length XTZ	L-Length XTU
6	48	6	3	3.5	42	48	48
6	48	8	3	5	40	48	48
6	48	10	3	7	38	48	48

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- When the overall width dimension exceeds the maximum width dimension, the silencer will consist of multiple components.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

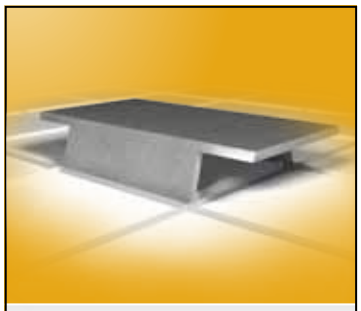


RAC

RETURN AIR CANOPY

The Price Return Air Canopy provides a low cost solution for improving speech privacy between adjoining spaces. This laboratory tested product provides noise attenuation while allowing for maximum airflow through the return grille. Available in a variety of sizes and options including fiberglass and fiber free foam to best suit the application.

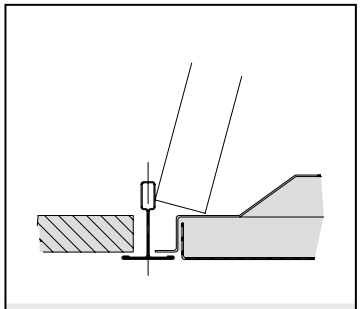
Lightweight and easy to install, this innovative product provides an economical solution for return air noise.



Fits standard return grille sizes

Speech privacy between offices

Reduces visibility into plenum



Installs easily within T-Bar ceiling

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Product Information

Model

Return Air Canopy **RAC**

Price Return Air Canopies reduce noise within the return air plenum from flanking through return grilles or open vents into the occupied space below. The laboratory tested design allows for return air to flow through with minimal pressure drop and maximum noise attenuation. Available in several standard sizes and a variety of options, the Price RAC offers excellent flexibility to suit each application.

Features

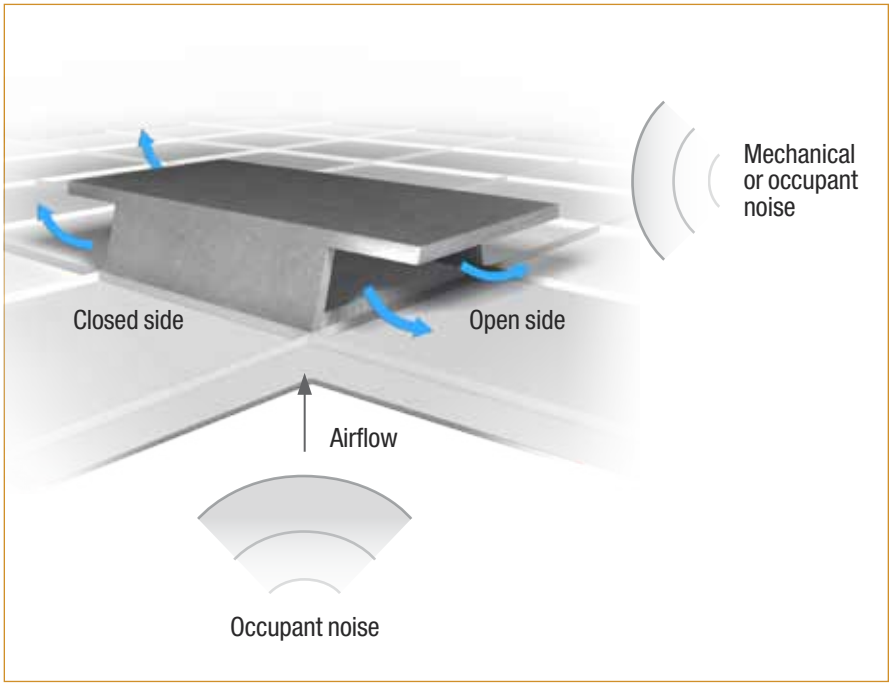
- Laboratory test performance for dynamic insertion loss and pressure drop.
- Economical and lightweight design.
- Compact design takes up minimal space in the return plenum.
- Fits standard grille sizes.
- Easy installation - sits on ceiling grid.
- Available with fiberglass cloth and fiber free foam to suit the application.
- Alternative to lined boots.
- Paint options for enhanced appearance.

RAC

The Price RAC air transfer silencer is designed for return air applications. This product is best suited for velocities below 500 fpm (2000 cfm for a typical 24" x 24" return grille).

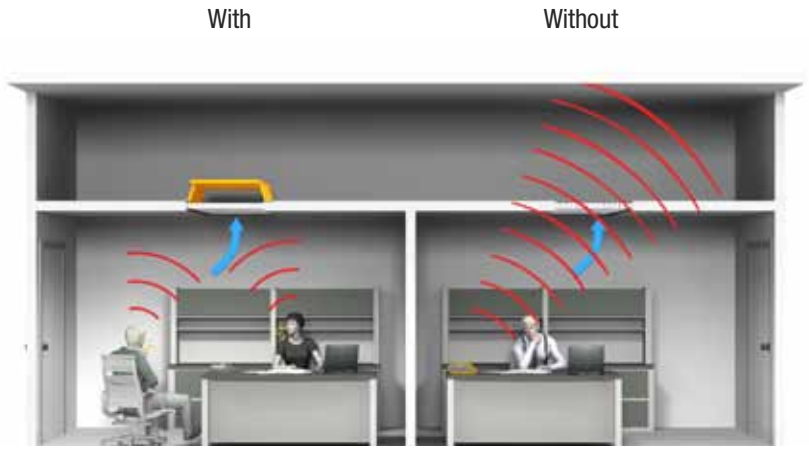
Recommended Air Velocity Range

Model	Description	Air Velocity Range (fpm)
RAC	Return Air Canopy	0 - 500



Typical Application

Place closed side of RACs parallel to adjacent space or noise source.



NOISE CONTROL

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Product Information (continued)

Construction

The Price Return Air Canopy consists of solid metal casing and an acoustic fiberglass or fiber free foam liner depending on customer requirements.

For applications with strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price rep.

Materials

G – Galvanized (Default)

SC – Satin Coat (Paintable)

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

A – Aluminum†

† Sheet metal gauge may differ from standard values.

Dimensional Data

Price Return Air Canopies are built to match the return grille size less a quarter inch. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Paint
- Grilles
- Custom Sizes

Contact your local Price sales rep for additional custom options and accessories.

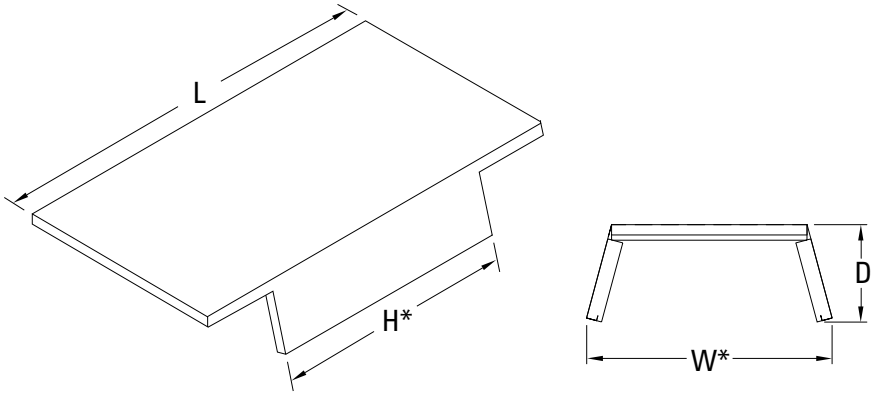
Noise Reduction (dB)

	Octave Band Center Frequencies (Hz)							
Model	**63**	**125**	**250**	**500**	**1k**	**2K**	**4K**	**8K**
RAC	8	10	11	12	20	20	22	25

Pressure Drop (in w.g.)

Model	Face Velocity fpm (m/s)	100 (0.51)	200 (1.02)	300 (1.52)	400 (2.03)	500 (2.54)
RAC	in w.g. (Pa)	0.01 (2)	0.03 (7)	0.08 (20)	0.14 (35)	0.22 (54)

- Dynamic Insertion Loss, measured per ASTM E477 with the specimen located at the opening to the reverberation chamber.
- Velocity based on cross-sectional grille area (W x H)
- Performance data based on a 24"x24" unit.



*Actual width & height typically less ¼ inch less nominal dimensions.

Standard Dimensions

W - Width	H - Height	D- Depth
12	12	7
24	24	7
12	24	7
24	48	7

- All dimensions are in inches.
- For sizes outside the standard range, please contact your local Price sales rep.

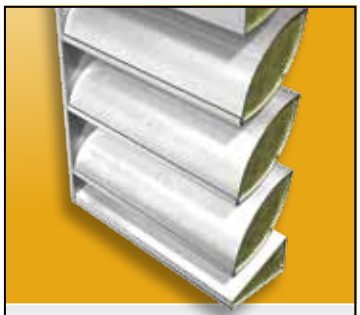
© Copyright Price Industries Limited 2014.

Acoustic Louvers

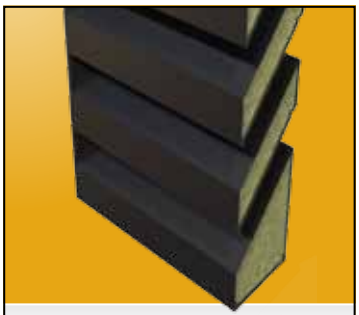
ABSORPTIVE ACOUSTIC LOUVERS

Developed to provide a solution to applications that require efficient ventilation without the transfer of undesirable noise, Price Acoustic Louvers use acoustic media to absorb sound energy and perforated metal to protect the media from erosion. The formed blades are fully welded to withstand the elements.

Quality construction and aerodynamic design provide efficient attenuation in a variety of sizes and finishes.

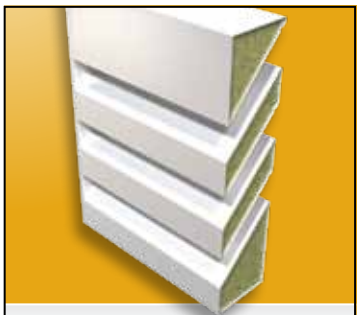


Blade and airfoil configurations



Available in a variety of durable finishes

Quiet air transfer between spaces



Licensed performance for multiple depths

Please contact **noise**control@priceindustries.com for more information.

AMCA reference 1
May 15, 2014

Acoustic Louvers
QA, QAF Series

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Product Information

Models

Acoustic Louvers

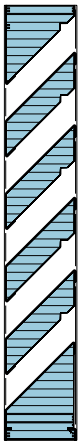
Acoustic Louver, Blade	**QA**
Acoustic Louver, Airfoil	**QAF**

Price Acoustic Louvers provide solutions to HVAC noise control applications by providing an attractive way to ventilate air from mechanical equipment rooms. The aerodynamically designed internal geometry allows air to flow through with minimal pressure drop and maximum attenuation performance. Our available standard sizes offer excellent flexibility and finish options in both the blade and airfoil type louvers.

Features

- Licensed performance for 6, 8 and 12 inch deep louvers.
- Variety of attractive and durable finishes available.
- Optimized geometry for minimal pressure drop.
- Airfoil design provides high efficiency.
- Highest quality welded construction.

QA – Acoustic Louver, Blade



QAF – Acoustic Louver, Airfoil

QAF 8 45

Configuration	Depth	Angle
QA - Blade	6 - 6″	45 – 45°
QAF - Airfoil	8 – 8″	
	12 – 12″	

NOISE CONTROL

© Copyright Price Industries Limited 2014.

Acoustic Louvers
QA, QAF Series

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Product Information

Construction

Price Absorptive Acoustic Louvers feature formed aluminum blades, perforated aluminum liner, and acoustic fiberglass media.They are also available in Galvanneal and Stainless Steel construction.

For applications with strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

FAL – Aluminum (Default material)

Components

Acoustic Louvers that exceed a width of 72 inches or a height of 96 will be built in multiple sections, then field assembled (by others). Multiple section assemblies have mullions between them.

Dimensional Data

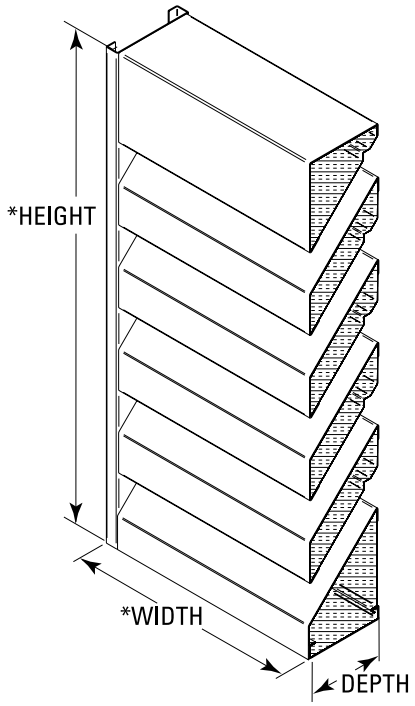
Price Acoustic Louvers are built to match the overall dimension less a half inch, therefore the width, height and length must always be specified. Acoustic Louvers may also be ordered as actual size. Please consult the Standard Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- A wide range of finishes, including Duracron bake enamel, Duranar/Duranar XL high performance flouropolyer coatings, and clear and color anodizing.
- Bird and insect screens.
- Flanges up to 4 in.
- Available in a variety of mounting options.
- Extended Sill (loose).
- Blank-Offs, with or without 1 in., 1.5 in., 2 in. or 3 in. thick insulation.
- Exterior or Interior Frame Mounting.

Contact your local Price sales rep for additional custom options and accessories.



* Overall width and height dimensions typically less 1/2 inch.

Standard Dimension Limits (single sections, aluminum construction)

Model Size	Depth	Width		Height	
		Min	Max	Min	Max
QA645	6	12	72	14.5	96
QA845	8	12	72	16.5	96
QA1245	12	12	72	20.5	96
QAF845	8	12	72	15.5	96
QAF1245	12	12	72	19.5	96

- All dimensions are in inches.
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep
- Maximum section sizes may vary for steel or stainless steel construction, or for units with anodized finishes. Please contact Price sales rep for details.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Acoustic Louvers
QA Series

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Performance Data - Model QA645

Acoustic Performance Ratings

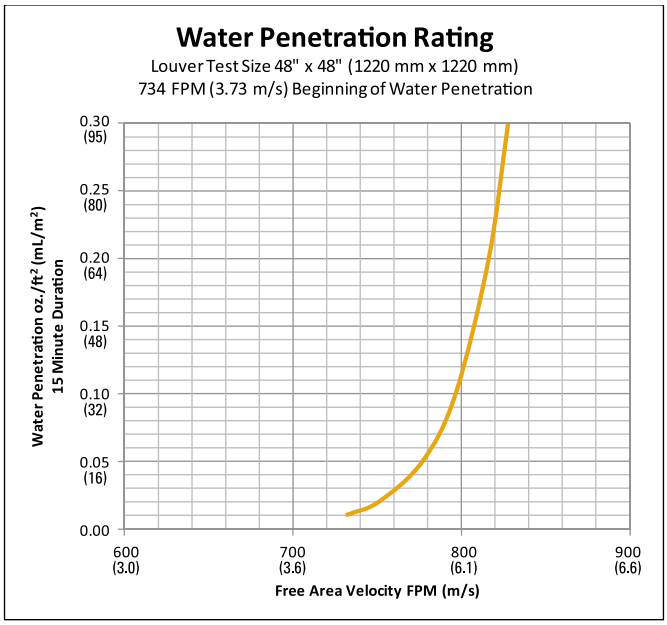
	Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Free-Field Noise Reduction (dB)	10	10	13	20	21	17
Transmission Loss (dB)	4	4	7	14	15	11

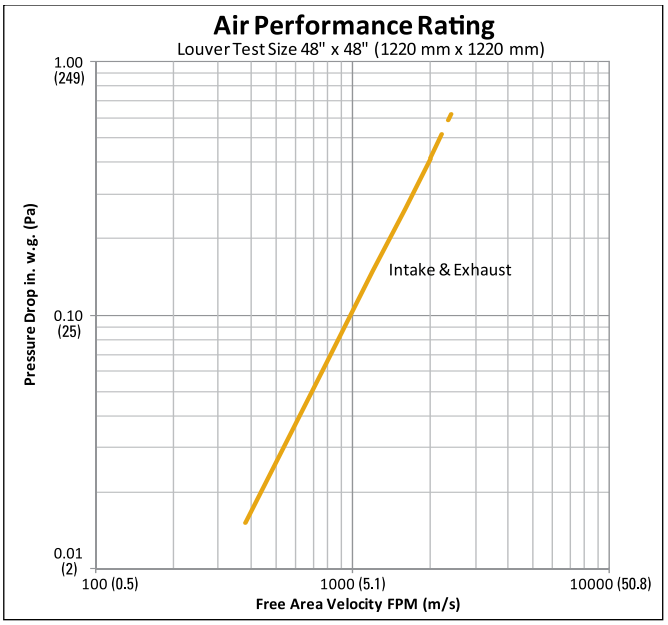
Performance Notes:

1. Test data obtained in accordance with ASTM E90 test standard for Transmission Loss.
2. Free Field Noise Reduction = Transmission Loss + 6 dB
3. Sound Transmission Class (STC) = 12, obtained in accordance with ASTM E413.

Free Area In Square Feet (Square Meters)

Height in. (mm)	Width in. (mm) 12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54 (1350)	60 (1500)	66 (1650)	72 (1800)
18 (450)	0.28 (0.03)	0.44 (0.04)	0.61 (0.06)	0.77 (0.07)	0.94 (0.09)	1.10 (0.1)	1.27 (0.12)	1.43 (0.13)	1.60 (0.15)	1.76 (0.16)	1.93 (0.18)
24 (600)	0.41 (0.04)	0.66 (0.06)	0.91 (0.08)	1.16 (0.11)	1.41 (0.13)	1.66 (0.15)	1.91 (0.18)	2.16 (0.2)	2.41 (0.22)	2.65 (0.25)	2.90 (0.27)
30 (750)	0.55 (0.05)	0.89 (0.08)	1.22 (0.11)	1.55 (0.14)	1.88 (0.18)	2.22 (0.21)	2.55 (0.24)	2.88 (0.27)	3.21 (0.3)	3.55 (0.33)	3.88 (0.36)
36 (900)	0.69 (0.06)	1.11 (0.1)	1.53 (0.14)	1.94 (0.18)	2.36 (0.22)	2.78 (0.26)	3.19 (0.3)	3.61 (0.34)	4.02 (0.37)	4.44 (0.41)	4.86 (0.45)
42 (1050)	0.83 (0.08)	1.33 (0.12)	1.83 (0.17)	2.33 (0.22)	2.83 (0.26)	3.33 (0.31)	3.83 (0.36)	4.33 (0.4)	4.83 (0.45)	5.33 (0.5)	5.83 (0.54)
48 (1200)	0.97 (0.09)	1.56 (0.14)	2.14 (0.2)	2.72 (0.25)	3.31 (0.31)	3.89 (0.36)	4.48 (0.42)	5.06 (0.47)	5.64 (0.52)	6.23 (0.58)	6.81 (0.63)
54 (1350)	1.11 (0.10)	1.78 (0.17)	2.45 (0.23)	3.12 (0.29)	3.78 (0.35)	4.45 (0.41)	5.12 (0.48)	5.79 (0.54)	6.45 (0.6)	7.12 (0.66)	7.79 (0.72)
60 (1500)	1.25 (0.12)	2.00 (0.19)	2.75 (0.26)	3.51 (0.33)	4.26 (0.4)	5.01 (0.47)	5.76 (0.54)	6.51 (0.6)	7.26 (0.67)	8.01 (0.74)	8.77 (0.81)
66 (1650)	1.39 (0.13)	2.23 (0.21)	3.06 (0.28)	3.90 (0.36)	4.73 (0.44)	5.57 (0.52)	6.40 (0.59)	7.24 (0.67)	8.07 (0.75)	8.91 (0.83)	9.74 (0.91)
72 (1800)	1.53 (0.14)	2.45 (0.23)	3.37 (0.31)	4.29 (0.4)	5.21 (0.48)	6.13 (0.57)	7.04 (0.65)	7.96 (0.74)	8.88 (0.83)	9.80 (0.91)	10.72 (1)
78 (1950)	1.67 (0.16)	2.67 (0.25)	3.68 (0.34)	4.68 (0.43)	5.68 (0.53)	6.68 (0.62)	7.69 (0.71)	8.69 (0.81)	9.69 (0.9)	10.69 (0.99)	11.70 (1.09)
84 (2100)	1.81 (0.17)	2.90 (0.27)	3.98 (0.37)	5.07 (0.47)	6.16 (0.57)	7.24 (0.67)	8.33 (0.77)	9.41 (0.87)	10.50 (0.98)	11.59 (1.08)	12.67 (1.18)
90 (2250)	1.95 (0.18)	3.12 (0.29)	4.29 (0.4)	5.46 (0.51)	6.63 (0.62)	7.80 (0.72)	8.97 (0.83)	10.14 (0.94)	11.31 (1.05)	12.48 (1.16)	13.65 (1.27)
96 (2400)	2.09 (0.19)	3.34 (0.31)	4.60 (0.43)	5.85 (0.54)	7.11 (0.66)	8.36 (0.78)	9.61 (0.89)	10.87 (1.01)	12.12 (1.13)	13.37 (1.24)	14.63 (1.36)





Beginning point of water penetration is defined by AMCA standard 511 as the free area velocity at which 0.01 ounces of water per square foot of free area is measured to pass through a 4' x 4' louver during a 15 minute test.

Data corrected to standard air density and tested to AMCA 500-L figure 5.5.

© Copyright Price Industries Limited 2014.

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Performance Data - Model QA845

Acoustic Performance Ratings

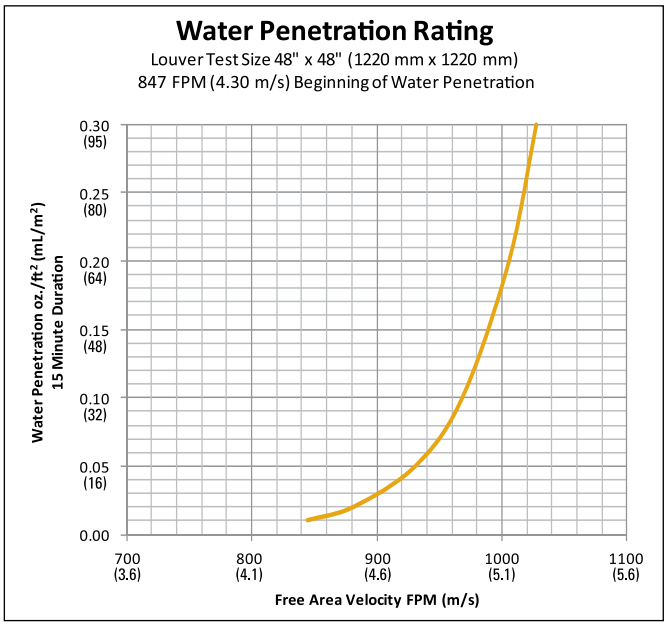
	Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Free-Field Noise Reduction (dB)	10	11	15	24	25	19
Transmission Loss (dB)	4	5	9	18	19	13

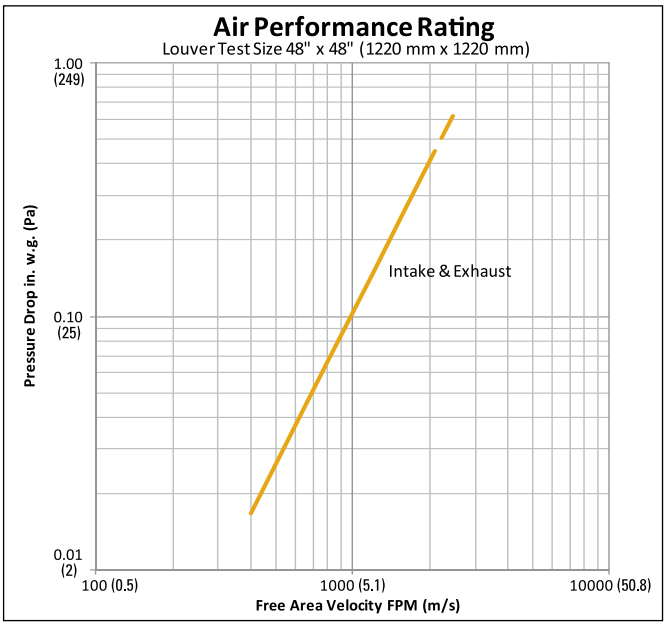
Performance Notes:

1. Test data obtained in accordance with ASTM E90 test standard for Transmission Loss.
2. Free Field Noise Reduction = Transmission Loss + 6 dB
3. Sound Transmission Class (STC) = 14, obtained in accordance with ASTM E413.

Free Area In Square Feet (Square Meters)

Height in. (mm)	Width in. (mm) 12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54 (1350)	60 (1500)	66 (1650)	72 (1800)
18 (450)	0.25 (0.02)	0.40 (0.04)	0.56 (0.05)	0.71 (0.07)	0.86 (0.08)	1.01 (0.09)	1.16 (0.11)	1.31 (0.12)	1.47 (0.14)	1.62 (0.15)	1.77 (0.16)
24 (600)	0.39 (0.04)	0.63 (0.06)	0.86 (0.08)	1.10 (0.1)	1.33 (0.12)	1.57 (0.15)	1.80 (0.17)	2.04 (0.19)	2.27 (0.21)	2.51 (0.23)	2.75 (0.26)
30 (750)	0.53 (0.05)	0.85 (0.08)	1.17 (0.11)	1.49 (0.14)	1.81 (0.17)	2.13 (0.2)	2.45 (0.23)	2.77 (0.26)	3.08 (0.29)	3.40 (0.32)	3.72 (0.35)
36 (900)	0.67 (0.06)	1.07 (0.1)	1.48 (0.14)	1.88 (0.17)	2.28 (0.21)	2.69 (0.25)	3.09 (0.29)	3.49 (0.32)	3.89 (0.36)	4.30 (0.4)	4.70 (0.44)
42 (1050)	0.81 (0.07)	1.30 (0.12)	1.78 (0.17)	2.27 (0.21)	2.76 (0.26)	3.24 (0.3)	3.73 (0.35)	4.22 (0.39)	4.70 (0.44)	5.19 (0.48)	5.68 (0.53)
48 (1200)	0.95 (0.09)	1.52 (0.14)	2.09 (0.19)	2.66 (0.25)	3.23 (0.3)	3.80 (0.35)	4.37 (0.41)	4.94 (0.46)	5.51 (0.51)	6.08 (0.57)	6.65 (0.62)
54 (1350)	1.09 (0.10)	1.74 (0.16)	2.40 (0.22)	3.05 (0.28)	3.71 (0.34)	4.36 (0.41)	5.01 (0.47)	5.67 (0.53)	6.32 (0.59)	6.98 (0.65)	7.63 (0.71)
60 (1500)	1.23 (0.11)	1.97 (0.18)	2.71 (0.25)	3.44 (0.32)	4.18 (0.39)	4.92 (0.46)	5.66 (0.53)	6.39 (0.59)	7.13 (0.66)	7.87 (0.73)	8.61 (0.8)
66 (1650)	1.37 (0.13)	2.19 (0.2)	3.01 (0.28)	3.83 (0.36)	4.66 (0.43)	5.48 (0.51)	6.30 (0.59)	7.12 (0.66)	7.94 (0.74)	8.76 (0.81)	9.58 (0.89)
72 (1800)	1.51 (0.14)	2.41 (0.22)	3.32 (0.31)	4.22 (0.39)	5.13 (0.48)	6.04 (0.56)	6.94 (0.64)	7.85 (0.73)	8.75 (0.81)	9.66 (0.9)	10.56 (0.98)
78 (1950)	1.65 (0.15)	2.64 (0.25)	3.63 (0.34)	4.62 (0.43)	5.60 (0.52)	6.59 (0.61)	7.58 (0.7)	8.57 (0.8)	9.56 (0.89)	10.55 (0.98)	11.54 (1.07)
84 (2100)	1.79 (0.17)	2.86 (0.27)	3.93 (0.37)	5.01 (0.47)	6.08 (0.56)	7.15 (0.66)	8.22 (0.76)	9.30 (0.86)	10.37 (0.96)	11.44 (1.06)	12.52 (1.16)
90 (2250)	1.93 (0.18)	3.08 (0.29)	4.24 (0.39)	5.40 (0.5)	6.55 (0.61)	7.71 (0.72)	8.87 (0.82)	10.02 (0.93)	11.18 (1.04)	12.34 (1.15)	13.49 (1.25)
96 (2400)	2.07 (0.19)	3.31 (0.31)	4.55 (0.42)	5.79 (0.54)	7.03 (0.65)	8.27 (0.77)	9.51 (0.88)	10.75 (1)	11.99 (1.11)	13.23 (1.23)	14.47 (1.34)





Beginning point of water penetration is defined by AMCA standard 511 as the free area velocity at which 0.01 ounces of water per square foot of free area is measured to pass through a 4' x 4' louver during a 15 minute test.

Data corrected to standard air density and tested to AMCA 500-L figure 5.5.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Acoustic Louvers
QA Series

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Performance Data - Model QA1245

Acoustic Performance Ratings

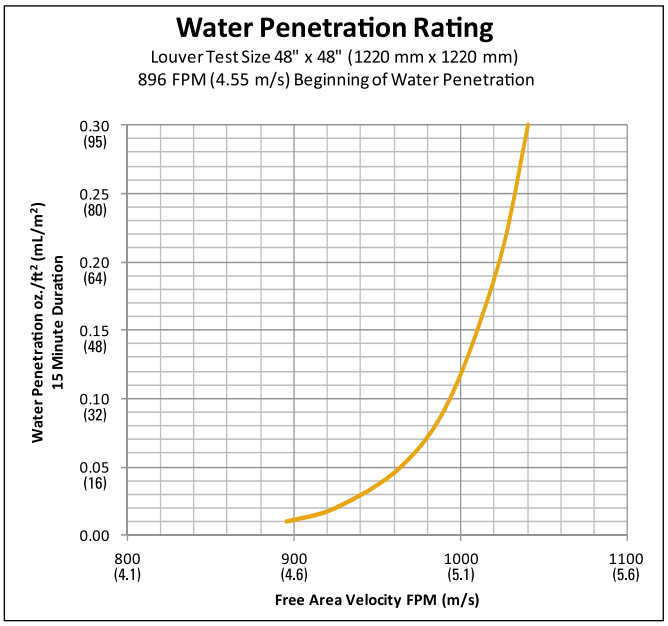
	Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Free-Field Noise Reduction (dB)	11	12	17	28	32	23
Transmission Loss (dB)	5	6	11	22	26	17

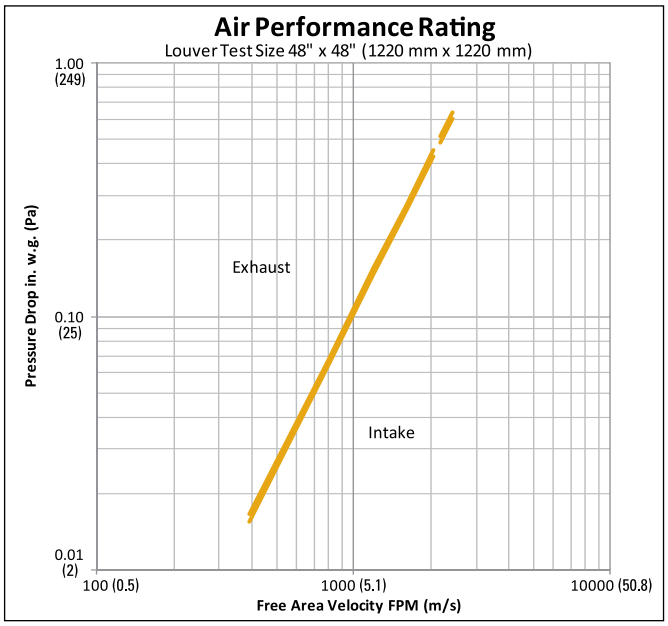
Performance Notes:

1. Test data obtained in accordance with ASTM E90 test standard for Transmission Loss.
2. Free Field Noise Reduction = Transmission Loss + 6 dB
3. Sound Transmission Class (STC) = 17, obtained in accordance with ASTM E413.

Free Area In Square Feet (Square Meters)

Height in. (mm)	Width in. (mm) 12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54 (1350)	60 (1500)	66 (1650)	72 (1800)
24 (600)	0.28 (0.03)	0.44 (0.04)	0.61 (0.06)	0.77 (0.07)	0.94 (0.09)	1.10 (0.1)	1.27 (0.12)	1.43 (0.13)	1.60 (0.15)	1.76 (0.16)	1.93 (0.18)
30 (750)	0.41 (0.04)	0.66 (0.06)	0.91 (0.08)	1.16 (0.11)	1.41 (0.13)	1.66 (0.15)	1.91 (0.18)	2.16 (0.2)	2.41 (0.22)	2.65 (0.25)	2.90 (0.27)
36 (900)	0.55 (0.05)	0.89 (0.08)	1.22 (0.11)	1.55 (0.14)	1.88 (0.18)	2.22 (0.21)	2.55 (0.24)	2.88 (0.27)	3.21 (0.3)	3.55 (0.33)	3.88 (0.36)
42 (1050)	0.69 (0.06)	1.11 (0.1)	1.53 (0.14)	1.94 (0.18)	2.36 (0.22)	2.78 (0.26)	3.19 (0.3)	3.61 (0.34)	4.02 (0.37)	4.44 (0.41)	4.86 (0.45)
48 (1200)	0.83 (0.08)	1.33 (0.12)	1.83 (0.17)	2.33 (0.22)	2.83 (0.26)	3.33 (0.31)	3.83 (0.36)	4.33 (0.4)	4.83 (0.45)	5.33 (0.5)	5.83 (0.54)
54 (1350)	0.97 (0.09)	1.56 (0.14)	2.14 (0.2)	2.72 (0.25)	3.31 (0.31)	3.89 (0.36)	4.48 (0.42)	5.06 (0.47)	5.64 (0.52)	6.23 (0.58)	6.81 (0.63)
60 (1500)	1.11 (0.10)	1.78 (0.17)	2.45 (0.23)	3.12 (0.29)	3.78 (0.35)	4.45 (0.41)	5.12 (0.48)	5.79 (0.54)	6.45 (0.6)	7.12 (0.66)	7.79 (0.72)
66 (1650)	1.25 (0.12)	2.00 (0.19)	2.75 (0.26)	3.51 (0.33)	4.26 (0.4)	5.01 (0.47)	5.76 (0.54)	6.51 (0.6)	7.26 (0.67)	8.01 (0.74)	8.77 (0.81)
72 (1800)	1.39 (0.13)	2.23 (0.21)	3.06 (0.28)	3.90 (0.36)	4.73 (0.44)	5.57 (0.52)	6.40 (0.59)	7.24 (0.67)	8.07 (0.75)	8.91 (0.83)	9.74 (0.91)
78 (1950)	1.53 (0.14)	2.45 (0.23)	3.37 (0.31)	4.29 (0.4)	5.21 (0.48)	6.13 (0.57)	7.04 (0.65)	7.96 (0.74)	8.88 (0.83)	9.80 (0.91)	10.72 (1)
84 (2100)	1.67 (0.16)	2.67 (0.25)	3.68 (0.34)	4.68 (0.43)	5.68 (0.53)	6.68 (0.62)	7.69 (0.71)	8.69 (0.81)	9.69 (0.9)	10.69 (0.99)	11.70 (1.09)
90 (2250)	1.81 (0.17)	2.90 (0.27)	3.98 (0.37)	5.07 (0.47)	6.16 (0.57)	7.24 (0.67)	8.33 (0.77)	9.41 (0.87)	10.50 (0.98)	11.59 (1.08)	12.67 (1.18)
96 (2400)	1.95 (0.18)	3.12 (0.29)	4.29 (0.4)	5.46 (0.51)	6.63 (0.62)	7.80 (0.72)	8.97 (0.83)	10.14 (0.94)	11.31 (1.05)	12.48 (1.16)	13.65 (1.27)





Beginning point of water penetration is defined by AMCA standard 511 as the free area velocity at which 0.01 ounces of water per square foot of free area is measured to pass through a 4' x 4' louver during a 15 minute test.

Data corrected to standard air density and tested to AMCA 500-L figure 5.5.

© Copyright Price Industries Limited 2014.

Acoustic Louvers
QAF Series

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Performance Data - Model QAF845

Acoustic Performance Ratings

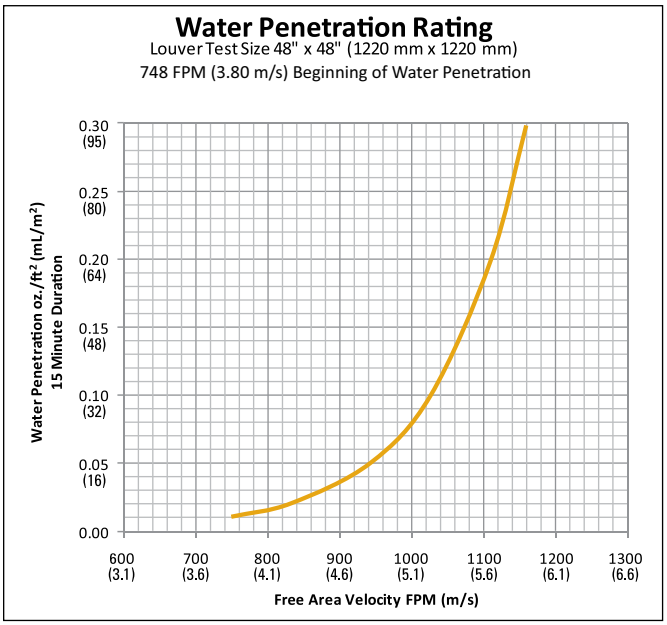
	Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Free-Field Noise Reduction (dB)	11	13	16	21	18	14
Transmission Loss (dB)	5	7	10	15	12	8

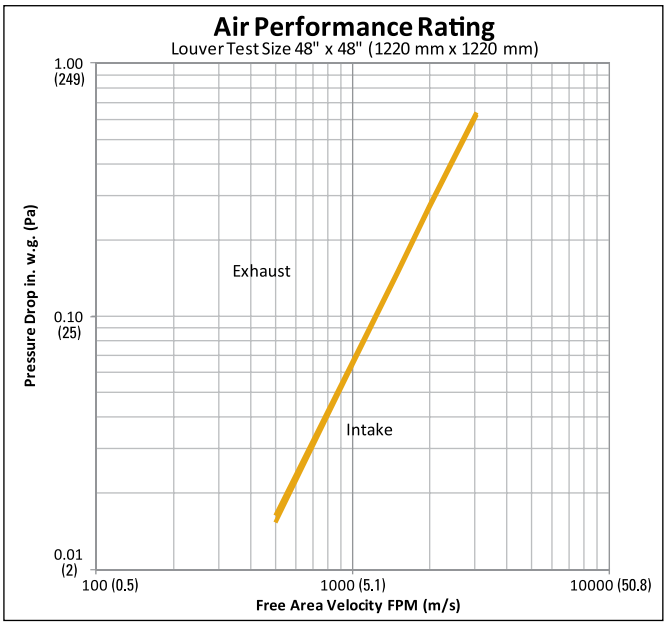
Performance Notes:

1. Test data obtained in accordance with ASTM E90 test standard for Transmission Loss.
2. Free Field Noise Reduction = Transmission Loss + 6 dB
3. Sound Transmission Class (STC) = 12, obtained in accordance with ASTM E413.

Free Area In Square Feet (Square Meters)

Height in. (mm)	Width in. (mm) 12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54 (1350)	60 (1500)	66 (1650)	72 (1800)
18 (450)	0.28 (0.03)	0.45 (0.04)	0.63 (0.06)	0.80 (0.07)	0.97 (0.09)	1.14 (0.11)	1.31 (0.12)	1.48 (0.14)	1.65 (0.15)	1.82 (0.17)	1.99 (0.18)
24 (600)	0.45 (0.04)	0.73 (0.07)	1.00 (0.09)	1.27 (0.12)	1.55 (0.14)	1.82 (0.17)	2.09 (0.19)	2.37 (0.22)	2.64 (0.25)	2.91 (0.27)	3.18 (0.3)
30 (750)	0.45 (0.04)	0.73 (0.07)	1.00 (0.09)	1.27 (0.12)	1.55 (0.14)	1.82 (0.17)	2.09 (0.19)	2.36 (0.22)	2.64 (0.25)	2.91 (0.27)	3.18 (0.3)
36 (900)	0.63 (0.06)	1.00 (0.09)	1.38 (0.13)	1.75 (0.16)	2.13 (0.2)	2.50 (0.23)	2.88 (0.27)	3.25 (0.3)	3.63 (0.34)	4.00 (0.37)	4.38 (0.41)
42 (1050)	0.80 (0.07)	1.27 (0.12)	1.75 (0.16)	2.23 (0.21)	2.71 (0.25)	3.18 (0.3)	3.66 (0.34)	4.14 (0.38)	4.62 (0.43)	5.09 (0.47)	5.57 (0.52)
48 (1200)	0.97 (0.09)	1.55 (0.14)	2.13 (0.2)	2.71 (0.25)	3.29 (0.31)	3.87 (0.36)	4.44 (0.41)	5.02 (0.47)	5.60 (0.52)	6.18 (0.57)	6.76 (0.63)
54 (1350)	0.97 (0.09)	1.55 (0.14)	2.13 (0.2)	2.71 (0.25)	3.29 (0.31)	3.87 (0.36)	4.44 (0.41)	5.02 (0.47)	5.60 (0.52)	6.18 (0.57)	6.76 (0.63)
60 (1500)	1.14 (0.11)	1.82 (0.17)	2.50 (0.23)	3.18 (0.3)	3.86 (0.36)	4.55 (0.42)	5.23 (0.49)	5.91 (0.55)	6.59 (0.61)	7.28 (0.68)	7.96 (0.74)
66 (1650)	1.31 (0.12)	2.09 (0.19)	2.88 (0.27)	3.66 (0.34)	4.44 (0.41)	5.23 (0.49)	6.01 (0.56)	6.80 (0.63)	7.58 (0.7)	8.37 (0.78)	9.15 (0.85)
72 (1800)	1.48 (0.14)	2.36 (0.22)	3.25 (0.3)	4.14 (0.38)	5.02 (0.47)	5.91 (0.55)	6.80 (0.63)	7.68 (0.71)	8.57 (0.8)	9.46 (0.88)	10.34 (0.96)
78 (1950)	1.48 (0.14)	2.36 (0.22)	3.25 (0.3)	4.14 (0.38)	5.02 (0.47)	5.91 (0.55)	6.80 (0.63)	7.68 (0.71)	8.57 (0.8)	9.46 (0.88)	10.34 (0.96)
84 (2100)	1.65 (0.15)	2.64 (0.24)	3.63 (0.34)	4.61 (0.43)	5.60 (0.52)	6.59 (0.61)	7.58 (0.7)	8.57 (0.8)	9.56 (0.89)	10.55 (0.98)	11.54 (1.07)
90 (2250)	1.82 (0.17)	2.91 (0.27)	4.00 (0.37)	5.09 (0.47)	6.18 (0.57)	7.27 (0.68)	8.37 (0.78)	9.46 (0.88)	10.55 (0.98)	11.64 (1.08)	12.73 (1.18)
96 (2400)	1.99 (0.18)	3.18 (0.3)	4.38 (0.41)	5.57 (0.52)	6.76 (0.63)	7.96 (0.74)	9.15 (0.85)	10.34 (0.96)	11.54 (1.07)	12.73 (1.18)	13.92 (1.29)





Beginning point of water penetration is defined by AMCA standard 511 as the free area velocity at which 0.01 ounces of water per square foot of free area is measured to pass through a 4' x 4' louver during a 15 minute test.

Data corrected to standard air density and tested to AMCA 500-L figure 5.5.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Acoustic Louvers
QAF Series

Price certifies that Models QA645, QA845, QAF845, QA1245, and QAF1245 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration, air performance and sound ratings.

Performance Data - Model QAF1245

Acoustic Performance Ratings

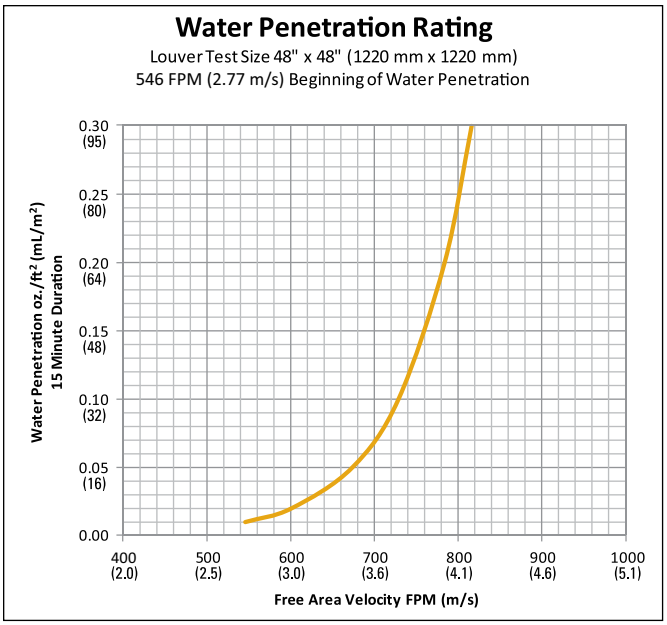
	Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Free-Field Noise Reduction (dB)	13	15	20	21	18	14
Transmission Loss (dB)	7	9	14	15	12	8

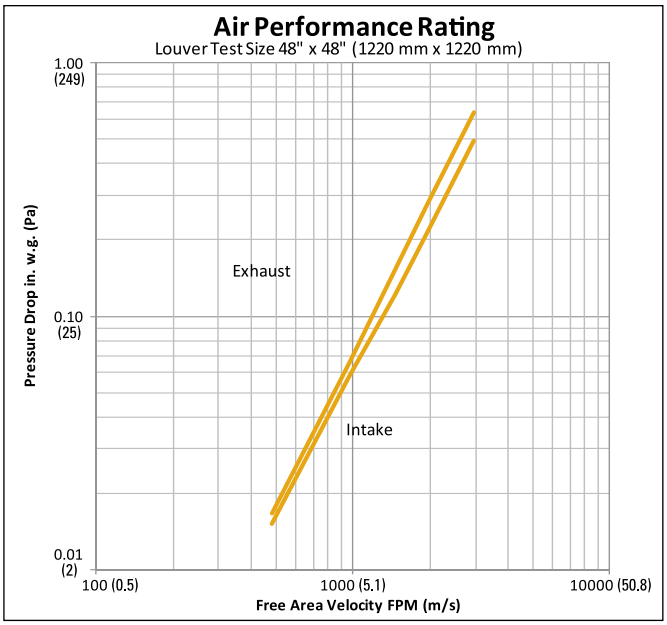
Performance Notes:

1. Test data obtained in accordance with ASTM E90 test standard for Transmission Loss.
2. Free Field Noise Reduction = Transmission Loss + 6 dB
3. Sound Transmission Class (STC) = 12, obtained in accordance with ASTM E413.

Free Area In Square Feet (Square Meters)

Height in. (mm)	Width in. (mm) 12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54 (1350)	60 (1500)	66 (1650)	72 (1800)
24 (600)	0.38 (0.04)	0.61 (0.06)	0.84 (0.08)	1.07 (0.1)	1.30 (0.12)	1.52 (0.14)	1.75 (0.16)	1.98 (0.18)	2.21 (0.21)	2.44 (0.23)	2.67 (0.25)
30 (750)	0.60 (0.06)	0.61 (0.06)	0.84 (0.08)	1.07 (0.1)	1.30 (0.12)	1.52 (0.14)	1.75 (0.16)	1.98 (0.18)	2.21 (0.21)	2.44 (0.23)	2.67 (0.25)
36 (900)	0.60 (0.06)	0.97 (0.09)	1.33 (0.12)	1.69 (0.16)	2.06 (0.19)	2.42 (0.22)	2.78 (0.26)	3.14 (0.29)	3.51 (0.33)	3.87 (0.36)	4.23 (0.39)
42 (1050)	0.83 (0.08)	0.97 (0.09)	1.33 (0.12)	1.69 (0.16)	2.06 (0.19)	2.42 (0.22)	2.78 (0.26)	3.14 (0.29)	3.51 (0.33)	3.87 (0.36)	4.23 (0.39)
48 (1200)	0.83 (0.08)	1.33 (0.12)	1.82 (0.17)	2.32 (0.22)	2.82 (0.26)	3.31 (0.31)	3.90 (0.35)	4.31 (0.4)	4.80 (0.45)	5.30 (0.49)	5.80 (0.54)
54 (1350)	1.05 (0.10)	1.33 (0.12)	1.82 (0.17)	2.32 (0.22)	2.82 (0.26)	3.31 (0.31)	3.90 (0.35)	4.31 (0.4)	4.80 (0.45)	5.30 (0.49)	5.80 (0.54)
60 (1500)	1.05 (0.10)	1.68 (0.16)	2.31 (0.22)	2.95 (0.27)	3.58 (0.33)	4.21 (0.39)	4.84 (0.45)	5.47 (0.51)	6.10 (0.57)	6.73 (0.63)	7.36 (0.68)
66 (1650)	1.28 (0.12)	1.68 (0.16)	2.31 (0.22)	2.95 (0.27)	3.58 (0.33)	4.21 (0.39)	4.84 (0.45)	5.47 (0.51)	6.10 (0.57)	6.73 (0.63)	7.36 (0.68)
72 (1800)	1.28 (0.12)	2.04 (0.19)	2.81 (0.26)	3.57 (0.33)	4.34 (0.4)	5.10 (0.47)	5.87 (0.55)	6.63 (0.62)	7.40 (0.69)	8.16 (0.76)	8.93 (0.83)
78 (1950)	1.50 (0.14)	2.04 (0.19)	2.81 (0.26)	3.57 (0.33)	4.34 (0.4)	5.10 (0.47)	5.87 (0.55)	6.63 (0.62)	7.40 (0.69)	8.16 (0.76)	8.93 (0.83)
84 (2100)	1.50 (0.14)	2.40 (0.22)	3.30 (0.31)	4.20 (0.39)	5.10 (0.47)	6.00 (0.56)	6.90 (0.64)	7.80 (0.72)	8.70 (0.81)	9.60 (0.89)	10.50 (0.98)
90 (2250)	1.72 (0.16)	2.40 (0.22)	3.30 (0.31)	4.20 (0.39)	5.10 (0.47)	6.00 (0.56)	6.90 (0.64)	7.80 (0.72)	8.70 (0.81)	9.60 (0.89)	10.50 (0.98)
96 (2400)	1.72 (0.16)	2.76 (0.26)	3.79 (0.35)	4.82 (0.45)	5.86 (0.54)	6.89 (0.64)	7.93 (0.74)	8.96 (0.83)	9.99 (0.93)	11.03 (1.02)	12.06 (1.12)

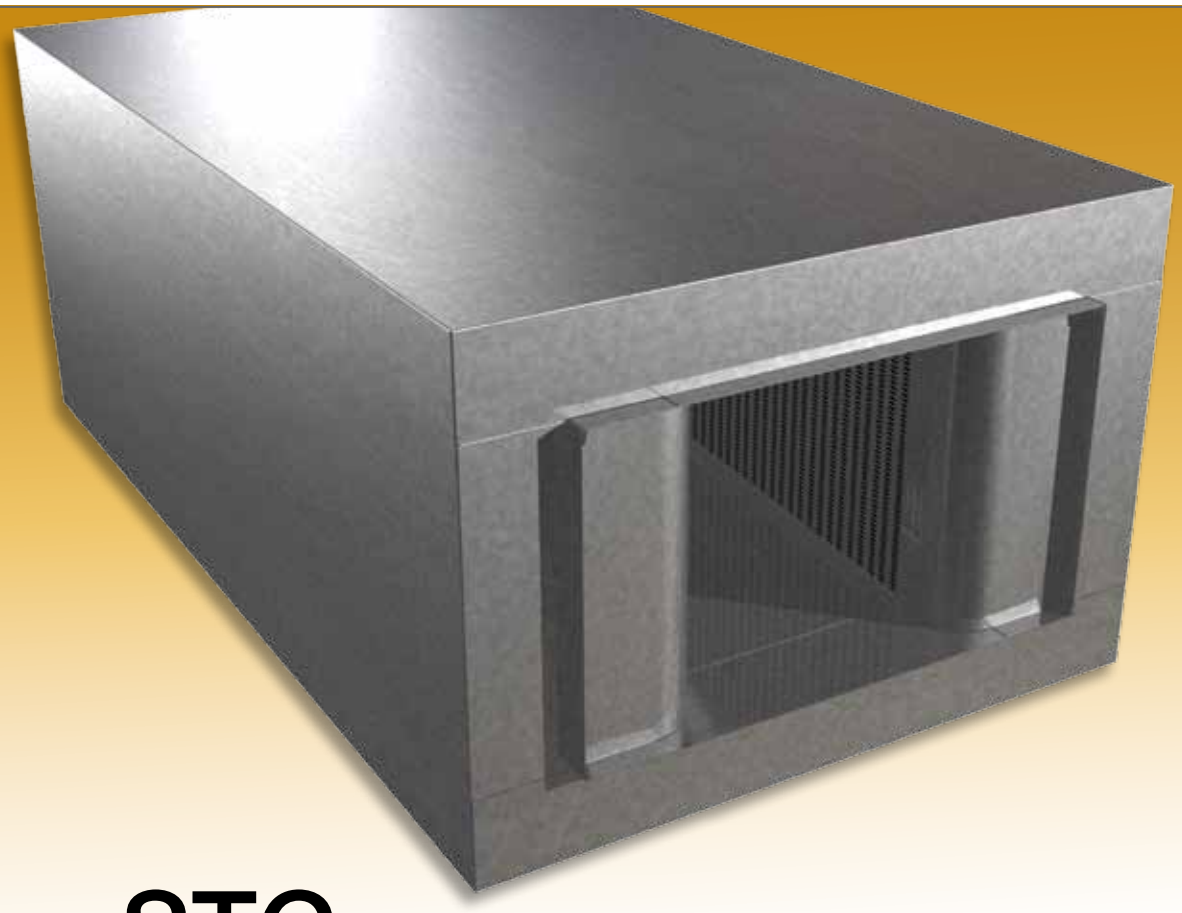




Beginning point of water penetration is defined by AMCA standard 511 as the free area velocity at which 0.01 ounces of water per square foot of free area is measured to pass through a 4' x 4' louver during a 15 minute test.

Data corrected to standard air density and tested to AMCA 500-L figure 5.5.

© Copyright Price Industries Limited 2014.

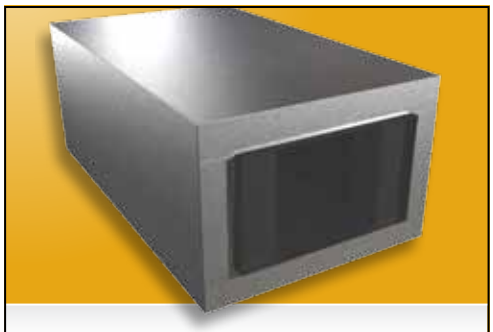


STC

SOUND TRANSMISSION CLASS SILENCERS

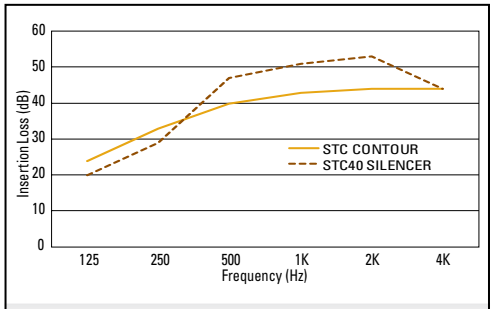
Sound Transmission Class (STC) rated silencers meet specific noise requirements for acoustically sensitive applications. Price STC silencers provide STC 40, 45, 50, and 55 ratings and include as required, a high transmission loss casing to reduce noise flanking through the sides of the silencer.

Effective noise solution for acoustically sensitive applications.



Double Wall Casing Option

Ideal for noise sensitive spaces such as interrogation rooms and recording studios.



Available STC ratings of 40-55

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Product Information

Models

Rectangular STC Silencers

Rectangular Sound Transmission Class
R-STC

Price R-STC Silencers are designed to provide noise reduction performance meeting STC 40, 45, 50 and 55 ratings, and as required, include a high transmission loss casing to maintain the acoustic integrity of the unit. An STC rating is a single number value indicating the sound transmission loss provided by a building assembly. A specific STC rating is commonly specified for the wall construction between adjacent acoustically sensitive rooms, such as interrogation rooms and recording studios. The STC rating of the R-STC silencers has been determined based on insertion loss performance obtained using the latest ASTM E477-13 test method and rated according to ASTM 413.

Features

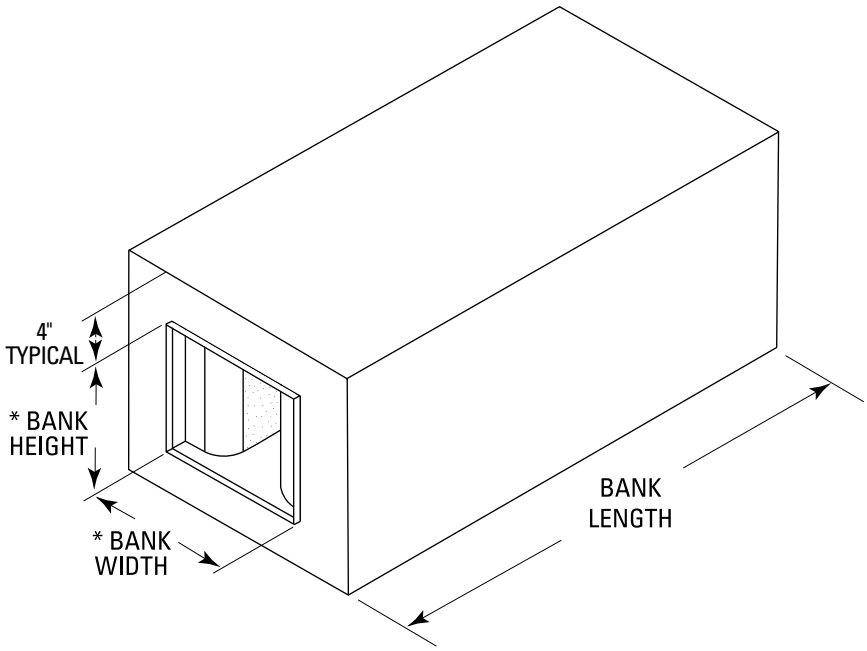
- Provide STC40, 45, 50 and 55 ratings
- Double wall construction as needed for high transmission loss casing
- Welded construction to provide the highest quality. Mechanical fasteners used only when absolutely necessary
- 2" slip connection on both ends

R-STC Silencers Applications

Price R-STC silencers are typically designed for medium-low velocity applications. This medium-low velocity configuration provides the highest insertion loss levels across the full range of frequencies.

R-STC40

Configuration	STC Rating
R-Rectangular	40
	45
	50
	55



* Bank width & height typically equal the duct dimensions.

Standard Dimension Limits

Bank Width		Bank Height		Length		Component Width		Component Height	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6	48	6	48	84	144	6	48	6	48

- All dimensions are in inches
- Standard sizes are based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.
- Add 8 inches to Bank width and Bank height dimensions for double wall construction.

Construction

Price STC silencers consist of solid metal casing, minimum 26 gauge perforated metal liner, and acoustic fiberglass media. Various classifications are available to meet the specific requirements of each project.

Material

STC40 – 16 Gauge casing

STC45 – 10 Gauge Casing

STC50 – Double Wall Casing

STC55 – Double Wall Casing

Dimensional Data

Price R-STC silencers are built to match the duct dimensions, therefore the width, height and length dimensions for the silencer must always be specified. Please consult the Stand Dimension Limits chart for available sizes.

Accessories & Custom Options

To meet project requirements, Price can provide additional features such as:

- Elbow and Circular configurations
- Fiberglass Cloth
- Paint
- Flanges
- Slip and Drive Connections
- Access Doors
- Plastic covered ends for shipping

Contact your local Price sales rep for additional custom options and accessories.

© Copyright Price Industries Limited 2014.

Performance Data - Model R-STC

Dimensional Data — Imperial (in.) / Metric (mm)

	Available Duct Widths											Duct Height	Silencer Length
Imperial	6	12-13	24-26	36-39	48-52	60-65	72-78	84-91	96-104	108-117	120-240	6-144	36-144
Metric	150	300-325	600-650	900-975	1200-1300	1500-1625	1800-1950	2100-2275	2400-2600	2700-2925	3000-6000	150-3600	900-3600

Dynamic Insertion Loss (DIL)

STC Rating	Length in. (mm)	Face Velocity fpm (m/s)	Pressure Drop in. w.g. (Pa)	Octave Band Dynamic Insertion Loss (dB) 1	2	3	4	5	6	7	8
				63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
STC40	84 (2100)	+750 (+3.81)	0.31 (77)	11	18	27	46	51	53	45	31
		+500 (+2.54)	0.14 (35)	12	19	28	47	51	53	45	31
		0	0.00	12	20	29	47	51	53	44	29
		-500 (-2.54)	0.14 (35)	14	22	31	48	51	53	44	28
		-750 (-3.81)	0.31 (77)	15	23	32	48	51	52	43	28
STC45	108 (2700)	+750 (+3.81)	0.33 (82)	15	25	33	54	54	55	54	37
		+500 (+2.54)	0.15 (37)	16	25	34	54	54	55	54	37
		0	0.00	16	26	35	53	54	55	54	36
		-500 (-2.54)	0.15 (37)	19	28	36	53	54	55	53	35
		-6000 (-30.48)	0.33 (82)	20	29	38	53	54	55	53	35
STC50	120 (3000)	+750 (+3.81)	0.34 (85)	18	29	37	55	55	55	55	40
		+500 (+2.54)	0.16 (39)	18	28	37	55	55	55	55	40
		0	0.00	19	29	38	55	55	55	55	40
		-500 (-2.54)	0.16 (39)	21	31	39	55	55	55	55	39
		-6000 (-30.48)	0.34 (85)	23	32	41	55	55	55	55	39
STC55	144 (3600)	+750 (+3.81)	0.36 (90)	25	36	45	55	55	55	55	46
		+500 (+2.54)	0.17 (41)	24	36	45	55	55	55	55	46
		0	0.00	25	36	46	55	55	55	55	47
		-500 (-2.54)	0.17 (41)	26	38	46	55	55	55	55	47
		-6000 (-30.48)	0.36 (90)	29	39	47	55	55	55	55	47

Generated Noise (dB)

Length	Face Velocity fpm (m/s)	Octave Band Generated Noise (dB re 10^{-12} Watts) 1	2	3	4	5	6	7	8
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
All Lengths	+750 (+3.81)	50	38	30	38	38	36	32	28
	+500 (+2.54)	39	24	15	28	31	25	18	14
	-500 (-2.54)	32	20	15	29	34	31	28	18
	-750 (-3.81)	44	21	24	37	41	41	41	32

Generated Noise Corrections (dB)

Silencer Face Area (ft^2) (+)	0.5	1	2	4	8	16	32	64	128
dB Addition or Reduction (-)	-9	-6	-3	0	+3	+6	+9	+12	+15

Weights (lbs.)

Model	Length (in)	Width (in)	12						24						36						48					
		Height (in)	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48	18	24	30	36	42	48
R-STC40	84		142	173	202	231	260	289	221	261	302	343	385	427	300	352	405	457	510	562	379	443	508	572	636	700
R-STC45	108		339	405	471	537	603	669	497	579	660	741	822	903	654	750	846	942	1038	1134	813	924	1035	1146	1256	1365
R-STC50	120		428	498	565	634	703	774	583	670	754	839	925	1012	738	842	943	1044	1147	1250	893	1013	1131	1249	1368	1485
R-STC55	144		506	592	670	751	832	917	694	797	897	996	1097	1201	879	1003	1123	1244	1363	1487	1063	1209	1347	1488	1630	1768

Performance Notes:

1. Data derived in strict accordance with ASTM E477-13.
2. "+" indicates data for forward flow (supply).
3. "-" indicates data for reverse flow (return).
4. Dynamic Insertion Loss is limited to 55 dB due to flanking. Contact Price if insertion loss above 55 dB is required.
5. Generated noise data is based on a face area of 4 ft^2. Corrections in chart provided must be applied for other sizes.
6. Performance data is based on a 24" x 24" component.
7. For performance data specific to a size not cataloged, please use Price All-In-One Selection Software.
8. STC ratings are determined according to ASTM E413.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

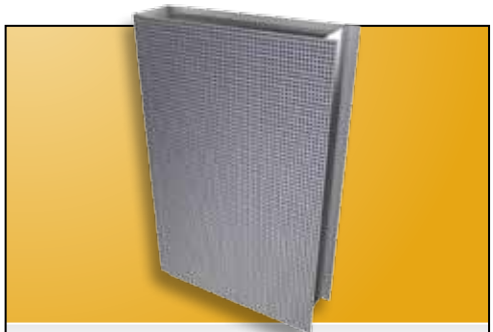
Price Panels

ACOUSTIC PANELS AND ENCLOSURES

Price Acoustic Panels are ideal for use in barriers and enclosures in applications such as test cells, pumps, generator sets, built up air handlers, compressors, gas turbines, and more. The tongue-and-groove design is self-aligning, easy to install and structurally sound, making Price Acoustic Panels an economic solution to control unwanted noise at the source.

This highly effective and flexible panel system can be customized to suit almost any application.

High performance acoustical doors



High performance panel

Tongue-and-groove construction for easy installation

NVLAP LAB CODE 200874-0

Please contact **noise**control@priceindustries.com for more information.

Product Information

Models

Acoustic Panels and Enclosures

Acoustic Panel	**QLP**
Acoustic Panel Film Lined	**QLPT**

Price Acoustic Panels are effective methods for controlling excessive equipment radiated noise. With tongue and groove construction, assembly is easy and installation time is minimized. Price's versatile line of acoustic panels is ideal for use in walls, barriers and enclosures, and is fully customizable to meet noise reduction requirements. The acoustic panel system is extremely flexible and because we have the ability to build each barrier or enclosure to suit the application we can provide a customized solution to fit your noise control needs.

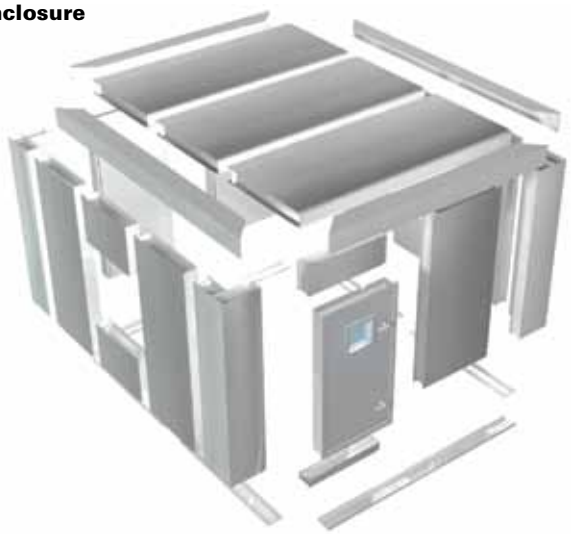
Features

- Easy to assemble, tongue and groove design.
- Available with high performance acoustic doors.
- Available in H-Chanel design when heavy gauges are required.
- Available in 2, 4, and 6 inch depths.
- Provided with required openings and construction characteristics to suit the application.
- No screws through panel joints to reduce installation cost and air/noise/moisture leakage.
- Tongue design to eliminate the need for field insulation of joints.
- Effective enclosure system for noisy equipment.
- Available with heavier gauge construction to minimize breakout noise.
- High quality and flexible system to provide strength and airtight construction.
- Economical way to attenuate low frequency noise at the source.
- Self-aligning panels installed in minimal time.
- Customized to suit each application, with a wide variety of sizes and configurations available.

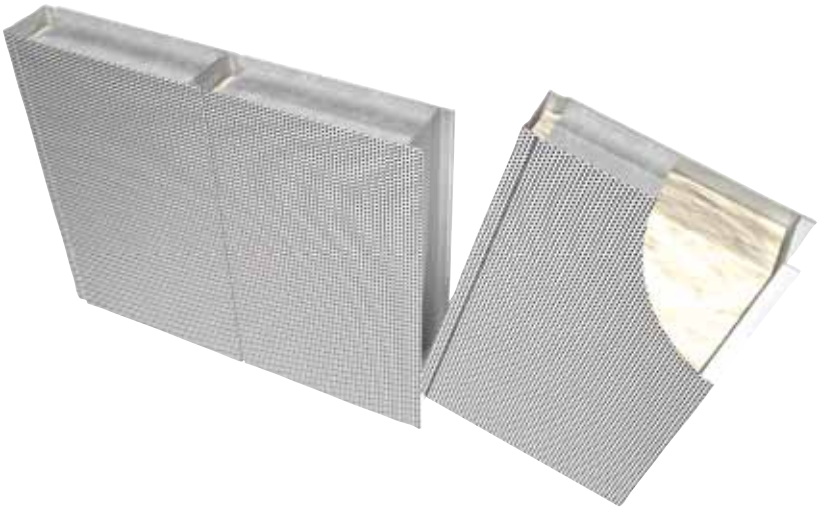
Applications

- Barrier systems
- Custom enclosures for noisy equipment
- Inlet and exhaust plenums
- Rooms and booths
- Test Cells
- Ideal for attenuating unwanted noise from turbines, pumps, motors, compressors, air handlers, generator sets, and more.

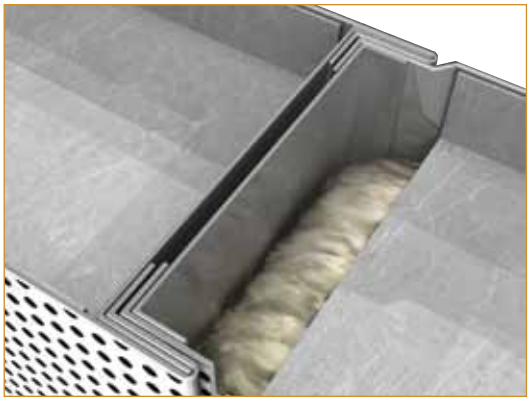
Acoustic Enclosure



Acoustic Panel Assembly



Tongue and Groove Joint



For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Product Information

Construction

Price Absorptive Acoustic Panels are constructed of 18 gauge solid metal skin, glass fiber acoustic media and 22 gauge perforated liner.

For applications with very strict or unique requirements that cannot be met by the standard construction classifications, please contact your local Price sales rep.

Material

G – Galvanized (Default material)

A – Aluminum†

304 – 304 Stainless Steel†

316 – 316 Stainless Steel†

SC – Satin Coat (Paintable)

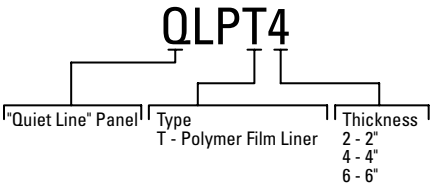
† Sheet metal gauge may differ from standard values.

Panel Sheets

Panels that exceed a width of 45 inches will be built in multiple sheets, then field assembled (by others).

Enclosures

Built up enclosures will be shipped factory assembled and equipment mounted. Enclosures provide ventilation with integrated noise control, and can be custom designed for the application.

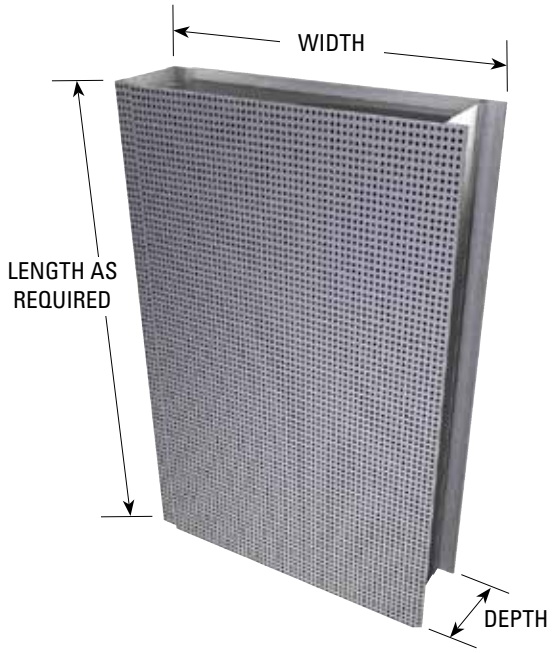


Performance Data

Model	Transmission Loss (dB) Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
QLP2	16	22	29	37	42	48
QLP4	17	27	36	47	56	60
QLPT2	19	30	36	44	56	58
QLPT4	19	31	41	49	56	59

Model	Absorption (Coefficient) Measured at Octave Band Center Frequencies					
	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
QLP2	0.50	0.83	1.05	0.95	0.97	0.89
QLP4	0.71	1.29	1.18	1.05	0.98	0.89
QLPT2	0.39	0.34	0.62	0.81	0.84	0.80
QLPT4	0.47	0.75	0.88	0.88	0.88	0.84

Test data is obtained in accordance with ASTM E90 and ASTM C423 test standards for transmission loss and absorption coefficients respectively.



Standard Dimension Limits

Panel Width		Depth	
Min	Max	Min	Max
12	45	2	6

- All dimensions are in inches.
- Standard sizes based on raw material sizes and acceptable structural engineering practices.
- For sizes outside the standard range, please contact your local Price sales rep.

© Copyright Price Industries Limited 2014.

Accessories & Custom Options

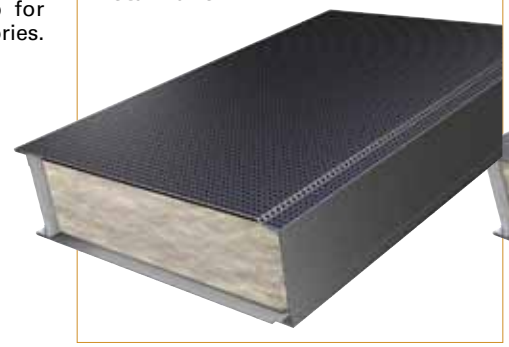
To meet project requirements Price can provide a wide range of additional features.

Contact your local Price sales rep for additional custom options and accessories.

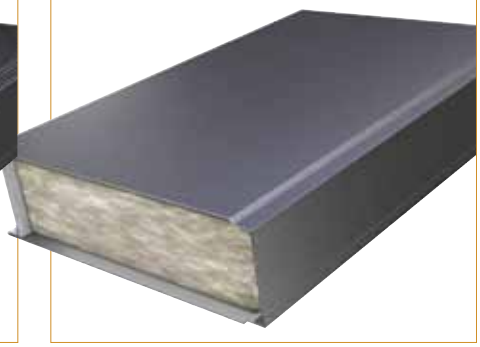
Panel Construction Options

- 6″ depth panels
- Heavier gauge construction
- Polymer Film Liner
- Fiberglass Cloth
- Paint

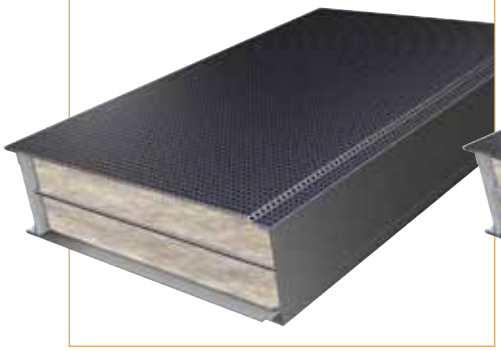
Standard Perforated/Solid Metal Panel



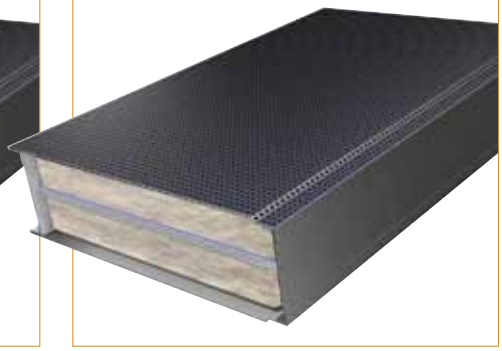
Solid/Solid Metal Panel



Perforated/Solid with Septum

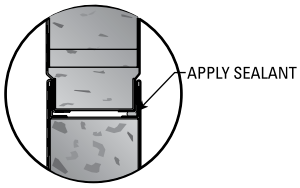


Perforated/Solid with Added Mass Core



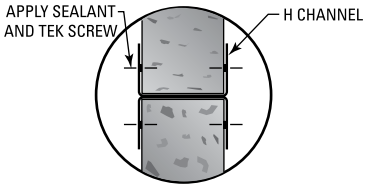
Enclosure Accessories and Construction Options

Tongue & Groove



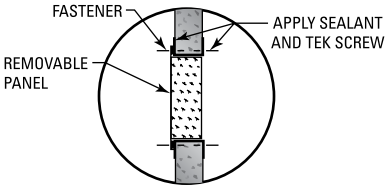
H Channel

- Windows
- H-Chanel Construction



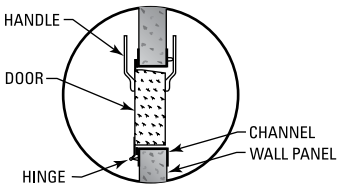
Removable Panel

- Removable Panels/Access Panels



Door

- Pre-hung Acoustic Doors



For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Extended Casing Silencers
RLX,RMX,RHX Series

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Absorptive Silencers

A. General

Furnish and install Price Silencers of the sizes, configuration and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, and fiberglass cloth as required. Suggested construction gauges are a minimum Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Absorptive Rectangular Silencers:
RL, RM, RH, RLX, RMX, RHX.

Absorptive Elbow Silencers: ERM, ERMX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Absorptive Circular Silencers:
CM, CH, CMX, CHX, CMP

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Fiberglass Cloth

For absorptive silencers with internal velocities that exceed 4000 fpm, a fiberglass cloth shall be added to the silencer between the internal perforated liner and the acoustic media to protect the media from erosion. If Fiberglass Cloth Bagged is required, the acoustic media will be fully encapsulated.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Film Lined Silencers

A. General

Furnish and install Price Film Lined Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Film Lined Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, Polymer Film Liner, and Acoustic Standoff. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Film Lined Rectangular Silencers:
RLT, RMT, RHT, RLTX, RMTX.

Film Lined Elbow Silencers: ERMT, ERMTX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Film Lined Circular Silencers:
CMT, CHT, CMTX, CHTX

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Film Liner

Film lined silencer models shall be provided with a layer of polymer film securely wrapped around the internal acoustic media to prevent contamination from moisture and airborne particulate that may be present in the duct system. Acoustic standoff shall run the entire length of the internal baffles and be located between the perforated metal liner and the film liner to ensure the highest level of acoustic performance. If polymer film Bagged is required, the acoustic media will be fully encapsulated. Film lined silencers shall have the attenuation performance for film lined silencers tested in accordance with latest ASTM E477 standard.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Rectangular Film Lined Extended Casing Silencers
RLTX, RMTX, RHTX Series

General Suggested Specification

Film Lined Silencers

A. General

Furnish and install Price Film Lined Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Film Lined Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, Polymer Film Liner, and Acoustic Standoff. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Film Lined Rectangular Silencers:
RLT, RMT, RHT, RLTX, RMTX.

Film Lined Elbow Silencers: ERMT, ERMTX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Film Lined Circular Silencers:
CMT, CHT, CMTX, CHTX

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Film Liner

Film lined silencer models shall be provided with a layer of polymer film securely wrapped around the internal acoustic media to prevent contamination from moisture and airborne particulate that may be present in the duct system. Acoustic standoff shall run the entire length of the internal baffles and be located between the perforated metal liner and the film liner to ensure the highest level of acoustic performance. If polymer film Bagged is required, the acoustic media will be fully encapsulated. Film lined silencers shall have the attenuation performance for film lined silencers tested in accordance with latest ASTM E477 standard.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Film Lined Silencers

A. General

Furnish and install Price Film Lined Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Film Lined Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, Polymer Film Liner, and Acoustic Standoff. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Film Lined Rectangular Silencers:
RLT, RMT, RHT, RLTX, RMTX.

Film Lined Elbow Silencers: ERMT, ERMTX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Film Lined Circular Silencers:
CMT, CHT, CMTX, CHTX

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Film Liner

Film lined silencer models shall be provided with a layer of polymer film securely wrapped around the internal acoustic media to prevent contamination from moisture and airborne particulate that may be present in the duct system. Acoustic standoff shall run the entire length of the internal baffles and be located between the perforated metal liner and the film liner to ensure the highest level of acoustic performance. If polymer film Bagged is required, the acoustic media will be fully encapsulated. Film lined silencers shall have the attenuation performance for film lined silencers tested in accordance with latest ASTM E477 standard.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Elbow Film Lined Extended Casing Silencers
ERMTX Series

General Suggested Specification

Film Lined Silencers

A. General

Furnish and install Price Film Lined Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Film Lined Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, Polymer Film Liner, and Acoustic Standoff. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Film Lined Rectangular Silencers:
RLT, RMT, RHT, RLTX, RMTX.

Film Lined Elbow Silencers: ERMT, ERMTX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Film Lined Circular Silencers:
CMT, CHT, CMTX, CHTX

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Film Liner

Film lined silencer models shall be provided with a layer of polymer film securely wrapped around the internal acoustic media to prevent contamination from moisture and airborne particulate that may be present in the duct system. Acoustic standoff shall run the entire length of the internal baffles and be located between the perforated metal liner and the film liner to ensure the highest level of acoustic performance. If polymer film Bagged is required, the acoustic media will be fully encapsulated. Film lined silencers shall have the attenuation performance for film lined silencers tested in accordance with latest ASTM E477 standard.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Film Lined Silencers

A. General

Furnish and install Price Film Lined Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Film Lined Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, Polymer Film Liner, and Acoustic Standoff. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Film Lined Rectangular Silencers:
RLT, RMT, RHT, RLTX, RMTX.

Film Lined Elbow Silencers: ERMT, ERMTX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Film Lined Circular Silencers:
CMT, CHT, CMTX, CHTX

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Film Liner

Film lined silencer models shall be provided with a layer of polymer film securely wrapped around the internal acoustic media to prevent contamination from moisture and airborne particulate that may be present in the duct system. Acoustic standoff shall run the entire length of the internal baffles and be located between the perforated metal liner and the film liner to ensure the highest level of acoustic performance. If polymer film Bagged is required, the acoustic media will be fully encapsulated. Film lined silencers shall have the attenuation performance for film lined silencers tested in accordance with latest ASTM E477 standard.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Absorptive Circular Film Lined Extended Casing Silencers
CMTX, CHTX Series

General Suggested Specification

Film Lined Silencers

A. General

Furnish and install Price Film Lined Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Absorptive Film Lined Silencers shall consist of solid steel casings, perforated sheet metal liners, absorptive acoustic fiberglass media, Polymer Film Liner, and Acoustic Standoff. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Film Lined Rectangular Silencers:
RLT, RMT, RHT, RLTX, RMTX.

Film Lined Elbow Silencers: ERMT, ERMTX.

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Film Lined Circular Silencers:
CMT, CHT, CMTX, CHTX

Connection Diameter		Minimum Casing Gauge
Min	Max	
6	20	22
6	44	18
6	60	16

Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 3: 16ga galvanized casing / 26ga galvanized perforated liner.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends and attached to the outer casing with a minimum of two stiffeners.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Film Liner

Film lined silencer models shall be provided with a layer of polymer film securely wrapped around the internal acoustic media to prevent contamination from moisture and airborne particulate that may be present in the duct system. Acoustic standoff shall run the entire length of the internal baffles and be located between the perforated metal liner and the film liner to ensure the highest level of acoustic performance. If polymer film Bagged is required, the acoustic media will be fully encapsulated. Film lined silencers shall have the attenuation performance for film lined silencers tested in accordance with latest ASTM E477 standard.

3. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Packless Silencers

A. General

Furnish and install Price Packless Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Packless silencers shall consist of solid steel casings and perforated metal liners with no acoustic media. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Packless Rectangular Silencers: PRM

Packless Elbow Silencers: PERM

Packless Circular Silencers: PCLS, PCMS, PCHS, PCLB, PCMB, PCHB

Packless Elbow Circular Silencers: PECLS, PECMS, PECHS, PECLB, PECMB, PECHB

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Packless Silencers

A. General

Furnish and install Price Packless Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Packless silencers shall consist of solid steel casings and perforated metal liners with no acoustic media. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Packless Rectangular Silencers: PRM

Packless Elbow Silencers: PERM

Packless Circular Silencers: PCLS, PCMS, PCHS, PCLB, PCMB, PCHB

Packless Elbow Circular Silencers: PECLS, PECMS, PECHS, PECLB, PECMB, PECHB

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

© Copyright Price Industries Limited 2014.

Packless Circular Silencers
PCLS,PCLB,PCMS,PCMB, PCHS,PCHB Series

General Suggested Specification

Packless Silencers

A. General

Furnish and install Price Packless Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Packless silencers shall consist of solid steel casings and perforated metal liners with no acoustic media. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Packless Rectangular Silencers: PRM

Packless Elbow Silencers: PERM

Packless Circular Silencers: PCLS, PCMS, PCHS, PCLB, PCMB, PCHB

Packless Elbow Circular Silencers: PECLS, PECMS, PECHS, PECLB, PECMB, PECHB

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Packless Elbow Circular Silencers
PECLS,PECLB,PECMS,PECMB, PECHS,PECHB Series

General Suggested Specification

Packless Silencers

A. General

Furnish and install Price Packless Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules. Silencer inlet and outlet connections shall be equal to the duct sizes shown on the drawings. Duct transitions shall be provided by the contractor and are not permitted unless shown on the drawings and approved by the engineer. If discrepancies between the suggested specifications and the silencer schedule occur, the latter takes precedence.

1. Performance

Silencer performance characteristics, including insertion loss, pressure drop, and generated noise, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Performance data shall be obtained from the manufacturer's NVLAP accredited laboratory. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Packless silencers shall consist of solid steel casings and perforated metal liners with no acoustic media. Suggested construction gauges are a minimum. Stainless Steel or Aluminum gauges shall be adjusted accordingly.

Packless Rectangular Silencers: PRM

Packless Elbow Silencers: PERM

Packless Circular Silencers: PCLS, PCMS, PCHS, PCLB, PCMB, PCHB

Packless Elbow Circular Silencers: PECLS, PECMS, PECHS, PECLB, PECMB, PECHB

(Standard) Construction Class 1: 22ga galvanized casing / 26ga galvanized perforated liner.

Construction Class 2: 18ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 1: 16ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 2: 10ga galvanized casing / 26ga galvanized perforated liner.

High Transmission Loss 3: For critical applications where high transmission loss is required, custom HTL3 construction shall be specified by the designing manufacturer to meet project requirements.

Acceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Thin Line Return Dissipater

A. General

Furnish and install Price Thin Line Return Dissipaters of the sizes, configuration, and performance as described on plans and / or air distribution schedules.

1. Performance

Silencer performance characteristics, including insertion loss and pressure drop, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and /or schedule.

B. Construction

Silencers shall consist of 24 gauge solid steel casings, 24 gauge perforated sheet metal liner, and absorptive acoustic fiberglass media.

Thin Line Return Dissipater: TLRD®

Thin Line Return Dissipater Low Pressure: TLRD-LP

Thin Line Return Dissipater Low Pressure Film Lined: TLRD-LP-T

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Cross Talk Silencers

A. General

Furnish and install Price CrossTalk Silencers of the sizes, configuration, and performance as described on plans and / or air distribution schedules.

1. Performance

Silencer performance characteristics, including insertion loss and pressure drop, shall be attained through testing in accordance with the latest ASTM E477 test standard for acoustical duct silencers. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss, generated noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E477-13. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and / or schedule.

B. Construction

Silencers shall consist of 22 gauge solid steel casings, 26 gauge solid steel internal noses at inlet and outlet, and ¾ inch

dual-density absorptive acoustic fiberglass media.

Cross Talk Silencers: XTL, XTZ, XTU

1. Acoustic Media

Acoustic media shall be shot-free inorganic glAcceptable methods of fastening include button lock, Pittsburgh lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners will not be acceptable.

The silencer perforated liners shall be rigidly fastened to the casing of the silencer on both ends, and attached to the outer casing with a minimum of two stiffeners.

2. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

Suggested Specification

Return Air Canopy

A. General

Furnish and install Price Return Air Canopy air transfer silencers of the sizes, configuration, and performance as described on plans and/or air distribution schedules.

1. Performance

Silencer performance characteristics, including insertion loss and pressure drop, shall be obtained in a NVLAP-Accredited laboratory (NVLAP Lab Code 200874-0) in strict accordance with ASTM E477 test standard for acoustical duct silencers. Laboratory performance verification may be requested, in which case a comparative report shall be made available to the engineer.

2. Submittal

Manufacturer's performance data for dynamic insertion loss and pressure drop shall be obtained in a NVLAP-Accredited lab (NVLAP Lab Code 200874-0) in strict accordance with ASTM E477. Data for each scheduled silencer shall be provided with the size, configuration, air volume, and air flow direction as it appears on the drawing and/or schedule.

B. Construction

Silencers shall consist of minimum 24 gauge solid steel casing and absorptive acoustic fiberglass media or fiber free foam liner as required.

Acceptable methods of fastening include button lock, Pittsburg lock and welds. In situations where these methods are not feasible, rivets can be used. Screws or other types of mechanical fasteners are not acceptable.

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be in accordance with erosion requirements of UL 181, and shall conform to the physical properties and requirements of ASTM C 1071. Density shall be consistent with that used to generate cataloged test data.

2. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

General Suggested Specification

Acoustic Louvers

A. General

Furnish and install Price Acoustic Louvers of the sizes, configuration, and performance as described on plans and/or schedules.

1. Performance

Acoustic Louver transmission loss performance shall be attained through testing in accordance with the ASTM E90 test standard for sound transmission loss. Air performance and water penetration ratings shall be certified by AMCA 500.

2. Submittal

Manufacturer's performance data for transmission loss and/or free field noise and pressure drop shall be provided and shall be obtained in accordance with ASTM E90 and AMCA 500. Data for each acoustic louver shall be provided with the size, configuration and air volume as it appears on the drawing and/or schedule.

Acoustic Louvers: XTL, XTZ, XTU

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

© Copyright Price Industries Limited 2014.

General Suggested Specification

Acoustic Panels and Enclosures

A. General

Furnish and install Price Acoustic Panels and Enclosures of the sizes, configuration, and performance as described on plans and/or schedules. Enclosures will include, as required, acoustical panels, trims and mounting channels, sealant, hardware, doors, and assembly drawings supplied by manufacturer for on-site assembly by others.

1. Performance

Panel performance characteristics, including transmission loss and absorption coefficient, shall be attained through testing in accordance with the ASTM E90 and ASTM C423 test standards.

2. Submittal

Manufacturer's performance data including transmission loss (STC) and sound absorption coefficient (NRC) shall be provided and shall be obtained in accordance with ASTM E90 and ASTM C423 test standards. Submittals shall include dimensions, openings, access door details, construction materials, material finishes, assembly instructions, and installation details.

B. Construction

Panels shall be tongue and groove construction an shall consist of 18 gauge solid steel skin, 22 gauge perforated steel liner, 18 gauge full depth splitters spaced maximum of 16" apart, and absorptive acoustic fiberglass media.

Acoustic Panels: QLP2, QLP4, QLP6

1. Acoustic Media

Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin. Glass fiber shall be packed with a minimum 10% compression to eliminate voids and settling; density shall be consistent with that used to generate cataloged test data.

2. Combustion Ratings

Combustion ratings for acoustic media shall be equal to or less than the combustion ratings noted below when tested in accordance with ASTM E84, UL723 and NFPA255.

Flame Spread Classification: < 25

Smoke Development Rating: < 50

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Index by Product Name

Absorptive Circular M110-M139

CM M110-M119
CH M110-M112, M120-M122
CMP M135-M139
CMX M123-M131
CHX M123-M124, M132-M134

Absorptive Elbow M87-M109

ERM M87-M98
ERMX M99-M109

Absorptive Rectangular M28-M86

RL M28-M39
RM M28-M30, M40-M48
RH M28-M30, M49-M57
RLX M58-M68
RMX M58-M59, M69-M77
RHX M58-M59, M78-M86

Acoustic Louver M351-M358

QA M351-M358
QAF M351-M358

Axial Fan Silencer M140-M153

AFS M140-M153

Cross Talk Silencers M348-M350

XTL M348-M350
XTU M348-M350
XTZ M348-M350

Film Lined Circular M236-M260

CMT M236-M245
CHT M236-M238, M246-M248
CMTX M249-M257
CHTX M249-M250, M258-M260

Film Lined Elbow M213-M235

ERMT M213-M224
ERMTX M225-M235

Film Lined Rectangular M154-M212

RLT M154-M165
RMT M154-M156, M166-M175
RHT M154-M156, M176-M183
RLTX M184-M194
RMTX M184-M185, M195-M203
RHTX M184-M185, M204-M212

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Index by Product Name

Packless Circular M279-M311

PCLS M279-M291
PCLB M279-M291
PCMS M279-M281, M292-M301
PCMB M279-M281, M293-M301
PCHS M279-M281, M302-M311
PCHB M279-M281, M302-M311

Packless Elbow M270-M278

PERM M270-M278

Packless Elbow Circular M312-M344

PECLS M312-M324
PECLB M312-M324
PECMS M312-M314, M325-M334
PECMB M312-M314, M325-M334
PECHS M312-M314, M335-M344
PECHB M312-M314, M335-M344

Packless Rectangular M261-M269

PRM M261-M269

Panels and Enclosures M359-M362

QLP2 ..... M359-M362
QLP4 ..... M359-M362
QLP6 ..... M359-M362

Thin Line Return Dissipater M345-M347

TLRD® M345-M347
TLRD-LP M345-M347
TLRD-LP-T M345-M347

© Copyright Price Industries Limited 2014.

Index by Product Code

A

AFS Absorptive Axial Fan Silencer **M140-M153**

C

CH Absorptive Circular High Velocity Silencer **M110-M112, M120-M122**
CHT Absorptive Circular High Velocity Film Lined Silencer **M236-M238, M246-M248**
CHTX Absorptive Circular High Velocity Film Lined Extended Casing Silencer **M249-M250, M258-M260**
CHX Absorptive Circular High Velocity Extended Casing Silencer **M123-M124, M132-M134**
CM Absorptive Circular Medium Velocity Silencer **M110-M119**
CMP Absorptive Circular Medium Velocity Pod Only Silencer **M135-M139**
CMT Absorptive Circular Medium Velocity Film Lined Silencer **M236-M245**
CMTX Absorptive Circular Medium Velocity Film Lined Extended Casing Silencer **M249-M257**
CMX Absorptive Circular Medium Velocity Extended Casing Silencer **M123-M131**

E

ERM Absorptive Elbow Medium Velocity Silencer **M87-M98**
ERMT Absorptive Elbow Medium Velocity Film Lined Silencer **M213-M224**
ERMTX Absorptive Elbow Medium Velocity Film Lined Extended Casing Silencer **M225-M235**
ERMX Absorptive Elbow Medium Velocity Extended Casing Silencer **M99-M109**

P

PCHB Packless Circular Low Velocity Big Casing Silencer **M279-M281, M302-M311**
PCHS Packless Circular High Velocity Small Casing Silencer **M279-M281, M302-M311**
PCLB Packless Circular Low Velocity Big Casing Silencer **M279-M291**
PCLS Packless Circular Low Velocity Small Casing Silencer **M279-M291**
PCMB Packless Circular Medium Velocity Big Casing Silencer **M279-M281, M292-M301**
PCMS Packless Circular Medium Velocity Small Casing Silencer **M279-M281, M292-M301**
PECHB Packless Elbow Circular Low Velocity Big Casing Silencer **M312-M314, M335-M344**
PECHS Packless Elbow Circular High Velocity Small Casing Silencer **M312-M314, M335-M344**
PECLB Packless Elbow Circular Low Velocity Big Casing Silencer **M312-M324**
PECLS Packless Elbow Circular Low Velocity Small Casing Silencer **M312-M324**
PECMB Packless Elbow Circular Medium Velocity Big Casing Silencer **M312-M314, M325-M334**
PECMS Packless Elbow Circular Medium Velocity Small Casing Silencer **M312-M314, M325-M334**
PERM Packless Elbow Medium Velocity Silencer **M270-M278**
PRM Packless Rectangular Medium Velocity Silencer **M261-M269**

Q

QA Acoustic Louver, Blade Configuration **M351-M358**
QAF Acoustic Louver, Airfoil Configuration **M351-M358**
QLP2 2″ Tongue and Groove QUIET-LINE® Acoustic Panel **M359-M362**
QLP4 2″ Tongue and Groove QUIET-LINE® Acoustic Panel **M359-M362**
QLP6 4″ Tongue and Groove QUIET-LINE® Acoustic Panel **M359-M362**

R

RH Absorptive Rectangular High Velocity Silencer **M28-M30, M49-M57**
RHT Absorptive Rectangular High Velocity Film Lined Silencer **M154-M156, M176-M183**
RHTX Absorptive Rectangular High Velocity Film Lined Extended Casing Silencer **M184-M185, M204-M212**
RHX Absorptive Rectangular High Velocity Extended Casing Silencer **M58-M59, M78-M86**
RL Absorptive Rectangular Low Velocity Silencer **M28-M39**

For more information on additional imperial and metric sizes, please visit www.priceindustries.com or contact your local Price representative.

© Copyright Price Industries Limited 2014.

Index by Product Code

RLT Absorptive Rectangular Low Velocity Film Lined Silencer **M154-M165**
RLTX Absorptive Rectangular Low Velocity Film Lined Extended Casing Silencer **M184-M194**
RLX Absorptive Rectangular Low Velocity Extended Casing Silencer **M58-M68**
RM Absorptive Rectangular Medium Velocity Silencer **M28-M30, M40-M48**
RMT Absorptive Rectangular Medium Velocity Film Lined Silencer **M154-M156, M166-M175**
RMTX Absorptive Rectangular Medium Velocity Film Lined Extended Casing Silencer **M184-M185, M195-M203**
RMX Absorptive Rectangular Medium Velocity Extended Casing Silencer **M58-M59, M69-M77**

T

TLRD® Thin Line Return Dissipater **M345-M347**
TLRD-LP **M345-M347**
TLRD-LP-T **M345-M347**

X

XTL CrossTalk L Configuration Silencer **M348-M350**
XTU CrossTalk U Configuration Silencer **M348-M350**
XTZ CrossTalk Z Configuration Silencer **M348-M350**

© Copyright Price Industries Limited 2014.