PERFORMANCE DATA

RDV with Silencer (RDVQ) – Recommended Air Volume Ranges

Digital Controls*

Unit Size	RDVQ/RDVQSS w/packless silencer cfm Min. – Max.	RDVQ/RDVQSS w/absorptive silencer cfm Min. – Max.
6	80 – 380	80 – 450
7	110 – 600	110 – 650
8	160 – 800	160 – 800
9	200 – 1000	200 – 1050
10	270 – 1350	270 – 1350
12	350 – 2000	350 – 2100
14	500 – 2500	500 – 3000
16	650 – 3500	650 – 4000

Pneumatic

Unit Size	RDVQ/RDVQSS w/packless silencer cfm Min. – Max.	RDVQ/RDVQSS w/absorptive silencer cfm Min. – Max.
6	80 – 380	80 – 450
7	110 – 600	110 – 650
8	160 – 800	160 – 800
9	200 – 1000	200 – 1050
10	270 – 1350	270 – 1350
12	350 – 2000	350 – 2100
14	500 – 2500	500 – 3000
16	650 – 3500	650 – 4000

Notes:
Factory calibrated controls must be selected within the above flow range limits. A minimum value of zero is also available. When an auxiliary flow setting is specified, the value must be greater than the minimum setting and within the range limits. On controls mounted by Price but supplied by others, the air volume ranges are guidelines only.
* Selection of airflow limits below the listed values is not recommended. Stability and accuracy may not be acceptable at lower than recommended airflow limits. The actual performance will vary depending on the terminal unit controls supplied.
*Minimum airflow limit is based on min .02 in. w.g. differential pressure signal from airflow sensor. Selection of airflow limits below the listed values is not recommended. Stability and accuracy may not be acceptable at lower than recommended airflow limits. The actual performance will vary depending on the terminal unit controls supplied. Maximum airflow limit is based on max 1.0 in.w.g. differential pressure signal from the airflow sensor .

RDV with Silencer (RDVQ) Minimum Operating Pressure

Absorptive

Unit Size	Airflow cfm	Min. ΔPs in. w.g.
6	200	0.07
	250	0.11
	350	0.2
	450	0.31
7	250	0.05
	350	0.08
	450	0.13
	550	0.19
	650	0.25
8	400	0.05
	500	0.08
	600	0.11
	700	0.14
	800	0.18

Unit Size	Airflow cfm	Min. ΔPs in. w.g.
9	450	0.03
	650	0.07
	850	0.11
	1050	0.16
10	550	0.02
	750	0.04
	950	0.07
	1150	0.11
	1350	0.15
12	900	0.02
	1300	0.05
	1500	0.07
	1700	0.09
	2100	0.13

Unit Size	Airflow cfm	Min. ΔPs in. w.g.
14	1000	0.02
	1500	0.04
	2000	0.07
	2500	0.11
	3000	0.16
16	1500	0.01
	2000	0.02
	2500	0.04
	3000	0.06
	3500	0.09
	4000	0.13

Packless

Unit Size	Airflow cfm	Min. ΔPs in. w.g.
6	200	0.24
	250	0.36
	350	0.67
	450	1.05
7	250	0.14
	350	0.25
	450	0.39
	550	0.56
	650	0.75
8	400	0.11
	500	0.17
	600	0.24
	700	0.33
	800	0.42

Unit Size	Airflow cfm	Min. ΔPs in. w.g.
9	450	0.08
	650	0.16
	850	0.26
	1050	0.39
10	550	0.06
	750	0.12
	950	0.18
	1150	0.26
	1350	0.35
12	900	0.08
	1300	0.15
	1500	0.2
	1700	0.25
	2100	0.36

Unit Size	Airflow cfm	Min. ΔPs in. w.g.
14	1000	0.02
	1500	0.05
	2000	0.09
	2500	0.14
	3000	0.21
16	1500	0.05
	2000	0.09
	2500	0.13
	3000	0.19
	3500	0.24
	4000	0.31

Performance Notes:
1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.

PERFORMANCE DATA

RDV with Silencer (RDVQ) – Inlet Sound Data

Fiber Glass Silencer (Exhaust)

Unit Size	Airflow	Sound Power Levels Lw dB Re 10^{-12} Watts																							
		0.5 in. w.g. Octave Band						1.0 in. w.g. Octave Band						1.5 in. w.g. Octave Band						3.0 in. w.g. Octave Band					
	cfm	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
6	200	54	39	28	23	19	17	57	43	27	22	19	22	59	45	27	21	19	24	62	49	27	22	19	28
	250	56	42	33	29	22	23	59	46	32	28	21	26	61	49	32	27	21	28	64	53	31	25	20	31
	350	59	47	40	38	33	28	62	51	39	37	32	32	64	54	39	36	32	34	67	58	38	34	31	37
	450	61	51	45	45	42	33	64	55	44	43	41	36	66	57	44	42	40	38	69	61	43	41	40	41
7	250	53	39	25	21	19	17	58	43	26	21	19	22	60	45	27	21	19	24	64	49	28	21	19	28
	350	57	43	32	29	23	24	61	47	33	29	25	28	64	49	33	29	26	30	68	53	34	29	27	34
	450	59	47	37	36	30	29	64	50	38	35	31	32	66	53	38	35	32	35	70	57	39	35	34	39
	550	62	49	41	40	35	32	66	53	42	40	36	36	68	55	43	40	37	38	73	59	43	40	39	42
	600	62	50	43	43	37	34	67	54	44	43	39	38	69	57	44	42	40	40	73	61	45	42	41	44
8	400	59	40	30	27	19	23	64	44	32	28	21	26	66	46	32	28	23	28	71	50	34	28	24	32
	500	61	43	35	32	26	27	65	47	36	33	28	31	68	49	37	33	29	33	73	53	38	33	31	37
	600	62	46	38	37	31	31	67	50	40	37	33	34	70	52	41	37	34	36	74	56	42	37	36	40
	700	63	48	42	40	36	34	68	52	43	40	37	37	71	54	44	41	38	40	76	58	45	41	40	43
	800	64	50	44	43	39	36	69	53	46	44	41	40	72	56	47	44	42	42	77	60	48	44	44	46
9	450	58	41	30	24	21	23	62	45	31	24	23	27	65	47	31	24	23	29	69	51	32	23	25	33
	650	62	46	37	33	30	29	66	50	38	33	32	33	68	52	39	33	33	36	73	56	40	33	34	39
	850	64	49	43	39	37	34	69	53	44	39	39	38	71	55	44	39	40	40	75	59	45	39	41	44
	1050	67	52	47	45	43	38	71	56	48	45	44	42	73	58	48	44	45	44	78	62	49	44	46	48
10	550	57	42	28	22	22	23	62	46	30	23	25	28	65	49	32	24	27	30	70	53	34	25	31	35
	750	61	47	35	30	29	28	66	51	37	31	32	33	68	53	38	32	34	36	73	57	40	33	37	41
	950	63	50	39	36	34	33	68	54	41	37	37	37	71	56	43	38	39	40	76	60	45	39	42	45
	1150	66	53	43	41	38	36	70	57	45	42	41	41	73	59	46	42	43	44	78	63	48	43	46	48
	1350	67	55	46	45	41	39	72	59	48	46	45	44	75	61	50	46	47	46	80	65	52	47	50	51
12	900	58	45	31	28	29	31	63	50	33	31	33	35	65	52	34	32	35	37	70	57	36	35	38	41
	1300	62	50	38	35	35	36	67	54	40	38	39	40	69	57	41	39	41	42	74	61	43	41	44	46
	1500	64	51	41	38	38	38	68	56	43	40	41	42	71	58	44	42	43	44	76	63	46	44	46	48
	1700	65	53	43	40	40	39	70	57	45	43	43	43	72	60	46	44	45	46	77	64	48	46	48	49
	2000	67	55	46	43	43	42	72	59	48	46	46	46	74	61	49	47	48	48	79	66	52	49	51	52
14	1000	58	40	28	29	34	34	62	44	30	30	38	39	65	47	30	31	40	42	69	51	32	33	43	47
	1500	62	45	36	36	40	38	67	49	37	37	43	43	69	52	38	38	45	46	74	56	40	39	48	51
	2000	66	48	41	41	44	41	70	53	43	42	47	46	73	55	44	43	49	49	77	60	45	44	52	54
	2500	68	51	46	45	47	43	73	55	47	46	50	48	75	58	48	47	52	51	80	62	50	48	55	56
16	1500	60	43	32	31	36	36	64	47	34	33	39	40	67	49	36	34	40	42	72	53	38	37	43	46
	2000	63	46	38	36	40	38	68	50	40	38	42	42	71	52	41	39	44	45	75	56	43	42	47	49
	2500	66	49	42	40	43	40	70	53	44	42	46	45	73	55	46	43	47	47	78	59	48	45	50	51
	3000	68	51	46	43	46	42	73	55	48	45	48	46	75	57	49	46	50	49	80	61	51	49	52	53
	3500	69	53	49	45	48	44	74	57	51	48	50	48	77	59	52	49	52	50	82	63	54	51	54	54

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.

PERFORMANCE DATA

RDV with Silencer (RDVQ) – Inlet Sound Data

Polymer Film Lined Silencer (Exhaust)

Unit Size	Airflow	Sound Power Levels Lw dB Re 10^{-12} Watts																							
		0.5 in. w.g. Octave Band						1.0 in. w.g. Octave Band						1.5 in. w.g. Octave Band						3.0 in. w.g. Octave Band					
	cfm	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
6	200	54	40	31	24	19	21	58	44	35	25	19	24	61	47	36	26	19	27	65	51	39	27	19	30
	250	56	43	34	29	25	25	60	47	37	30	25	28	63	50	39	30	24	30	67	54	42	31	24	34
	300	58	45	37	33	30	28	62	50	40	34	30	31	65	52	42	34	29	33	69	56	45	35	29	37
	380	60	49	40	37	37	32	65	53	43	38	36	35	67	55	45	39	36	37	71	60	48	40	35	41
7	250	55	41	31	26	22	21	60	46	35	28	23	26	62	49	37	29	24	29	67	53	40	32	25	34
	350	58	45	36	31	28	26	63	50	39	33	29	31	66	52	41	34	30	34	70	57	44	37	31	39
	450	61	48	39	35	33	30	65	52	42	37	34	35	68	55	44	38	35	38	72	60	47	40	36	42
	550	63	50	41	38	37	33	67	54	45	40	38	38	70	57	46	41	38	41	74	62	50	43	39	45
	600	63	51	42	39	38	34	68	55	46	41	39	39	71	58	48	42	40	42	75	63	51	45	41	47
8	400	59	44	33	29	22	26	64	49	36	32	24	31	67	52	38	33	25	34	72	57	42	35	28	39
	500	61	46	36	33	27	30	66	51	40	35	29	35	69	54	42	37	31	38	74	59	45	39	33	42
	600	63	48	39	36	32	33	67	53	42	38	34	38	70	56	44	40	35	40	75	61	48	42	37	45
	700	64	50	41	39	35	35	69	55	44	41	37	40	71	58	46	42	39	43	76	63	50	44	41	48
	800	65	51	43	41	38	37	70	56	46	43	40	42	73	59	48	44	42	45	77	64	52	47	44	50
9	450	59	45	38	30	28	26	63	49	41	33	29	31	66	52	43	34	29	34	70	57	46	36	30	39
	650	62	49	42	36	35	32	66	53	46	38	36	37	69	56	48	39	36	39	74	61	51	42	37	44
	850	64	51	46	40	40	36	69	56	49	42	41	41	72	59	51	43	41	43	76	63	54	45	42	48
	1050	66	54	48	43	43	39	71	58	52	45	44	44	74	61	54	46	45	47	78	66	57	49	46	51
10	550	59	47	40	31	28	30	63	52	44	35	31	34	66	54	46	37	32	37	71	59	49	40	35	42
	750	62	50	44	35	33	34	66	55	47	39	36	38	69	57	50	41	37	41	74	62	53	44	40	45
	950	64	52	47	38	37	37	69	57	50	42	40	41	71	60	52	44	41	44	76	65	56	47	44	48
	1150	66	54	49	41	40	39	70	59	53	44	43	43	73	62	55	46	44	46	78	66	58	50	47	51
	1350	67	56	51	43	43	41	72	61	54	46	45	45	75	63	57	48	47	48	79	68	60	52	50	53
12	900	62	49	40	33	35	34	67	54	44	36	37	38	70	56	45	38	38	41	74	61	49	41	40	45
	1300	66	53	45	38	40	38	71	57	49	41	42	43	73	60	50	43	43	45	78	64	54	46	45	50
	1500	68	54	47	40	41	40	72	59	50	43	43	45	75	61	52	45	45	47	80	66	56	48	47	52
	1700	69	56	49	41	43	42	74	60	52	45	45	46	76	63	54	47	46	49	81	67	57	50	48	53
	2000	71	57	51	44	45	44	75	62	54	47	47	48	78	64	56	49	48	51	83	69	59	52	50	55
14	1000	59	46	40	33	34	37	64	50	43	35	37	42	66	53	44	37	39	45	71	57	46	39	41	50
	1500	64	51	47	39	40	41	68	55	49	41	43	46	71	58	50	43	44	49	75	62	53	45	47	54
	2000	67	54	51	43	44	43	71	58	53	45	47	49	74	61	55	47	48	52	79	65	57	49	51	57
	2500	69	57	55	46	47	46	74	61	57	49	50	51	77	63	58	50	52	54	81	68	61	52	54	59
16	1500	60	49	43	38	38	38	65	52	45	40	40	43	67	54	47	41	41	46	72	58	49	43	44	51
	2000	64	52	47	42	42	41	68	56	49	44	44	46	71	58	51	45	46	49	75	62	53	47	48	54
	2500	66	54	51	45	46	43	71	58	53	47	48	48	73	60	54	48	49	51	78	64	56	50	51	56
	3000	68	57	53	47	48	45	73	60	55	49	51	50	75	63	57	50	52	53	80	66	59	52	54	58
	3500	70	58	55	49	51	47	74	62	58	51	53	51	77	64	59	52	54	54	81	68	61	54	56	59

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.

PERFORMANCE DATA

RDV with Silencer (RDVQ) – Inlet Sound Data

Packless Silencer (Exhaust)

Unit Size	Airflow	Sound Power Levels Lw dB Re 10^{-12} Watts																							
		0.5 in. w.g. Octave Band						1.0 in. w.g. Octave Band						1.5 in. w.g. Octave Band						3.0 in. w.g. Octave Band					
	cfm	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
6	200	50	46	42	45	48	44	53	46	42	46	48	44	55	46	42	47	48	44	58	46	42	47	48	44
	250	52	49	45	47	50	49	55	49	45	48	50	49	57	49	45	48	50	49	60	49	45	49	50	49
	300	*	*	*	*	*	*	57	51	47	49	52	53	59	51	48	49	52	53	62	51	48	50	52	53
	380	*	*	*	*	*	*	*	*	*	*	*	*	61	55	51	51	54	58	65	55	51	52	54	58
7	250	52	46	39	42	42	39	56	48	40	44	44	42	57	49	40	46	45	43	61	52	41	48	47	45
	350	56	49	44	46	47	46	59	52	45	48	49	48	61	53	45	49	50	49	64	55	46	51	52	52
	450	59	52	47	49	51	51	62	54	48	51	53	53	64	55	49	52	54	54	67	58	50	54	56	57
	550	*	*	*	*	*	*	64	56	51	53	56	57	66	58	52	54	57	58	69	60	52	56	59	60
	600	*	*	*	*	*	*	65	57	52	54	57	59	67	58	53	55	58	60	70	61	54	57	60	62
8	400	57	50	42	45	44	46	61	53	43	48	47	47	62	55	43	49	48	48	66	58	44	52	51	49
	500	60	52	46	48	48	49	63	55	46	50	50	51	65	57	47	52	52	51	68	60	47	54	54	53
	600	62	54	48	49	51	52	65	57	49	52	53	54	67	59	49	54	54	54	70	62	50	56	57	56
	700	64	55	51	51	53	55	67	58	51	54	55	56	69	60	52	55	57	57	72	63	52	58	59	58
	800	65	57	53	52	55	57	69	60	53	55	57	59	70	62	54	57	59	59	73	65	54	59	61	61
9	450	59	51	42	44	45	40	63	53	43	46	46	43	65	54	44	48	48	44	68	57	44	50	49	46
	650	63	55	47	48	50	48	67	57	48	50	52	50	69	58	49	52	53	51	72	60	50	54	55	53
	850	66	57	51	51	54	53	70	60	52	53	56	55	72	61	53	54	57	56	75	63	53	57	59	59
	1050	69	60	54	53	57	57	72	62	55	55	59	59	74	63	56	57	60	60	77	65	56	59	62	63
10	550	62	52	41	44	44	38	65	55	43	46	47	42	67	57	44	48	48	44	71	60	46	51	51	48
	750	65	55	46	47	48	44	69	58	47	50	51	48	71	60	48	52	53	50	74	63	50	55	56	54
	950	68	57	49	50	52	49	71	60	51	53	55	52	73	62	52	54	56	55	77	65	53	57	59	58
	1150	70	59	52	52	55	53	73	62	53	55	58	56	75	64	54	57	59	58	79	67	56	59	62	62
	1350	71	61	54	54	57	56	75	64	55	57	60	59	77	65	56	59	62	61	80	68	58	61	65	65
12	900	64	52	42	46	46	43	68	55	43	49	49	47	71	57	43	50	50	49	75	61	44	53	53	52
	1300	68	55	47	49	52	50	72	58	48	53	55	53	74	60	49	54	56	55	78	64	50	57	59	59
	1500	69	56	49	51	54	53	73	59	50	54	57	56	76	61	51	56	58	58	80	65	52	59	61	61
	1700	70	57	51	52	56	55	75	61	52	55	59	58	77	63	53	57	60	60	81	66	54	60	63	64
	2000	72	58	53	54	59	58	76	62	54	57	61	61	78	64	55	59	63	63	82	67	56	62	66	67
14	1000	63	48	43	49	52	48	68	53	43	50	53	49	71	55	43	50	53	49	76	59	44	51	54	50
	1500	65	51	48	53	57	56	70	56	48	53	58	57	73	58	48	54	58	58	78	63	49	55	59	59
	2000	67	54	52	55	61	62	72	58	52	56	61	63	75	60	52	57	62	64	80	65	53	57	63	65
	2500	68	55	54	57	63	67	73	60	55	58	64	68	76	62	55	59	65	68	82	66	55	59	66	69
16	1500	62	54	44	48	49	45	67	58	45	50	50	46	70	61	45	50	50	47	76	65	47	52	52	49
	2000	64	56	47	51	53	51	70	61	49	52	55	53	73	63	49	53	55	54	78	68	50	54	56	55
	2500	66	58	50	53	57	56	72	63	51	55	58	57	75	65	52	55	59	58	80	70	53	57	60	60
	3000	68	60	53	55	60	60	73	64	54	56	61	61	76	67	55	57	62	62	81	72	56	58	63	64
	3500	69	61	55	57	63	63	74	66	56	58	64	65	77	68	57	59	64	66	83	73	58	60	65	67

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2016.
3. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit