### IMPERIAL UNITS (inches)

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>STANDARD COILS</th>
<th>HIGH CAPACITY COILS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>10</td>
<td>12</td>
<td>10</td>
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<tr>
<td>20</td>
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<td>30</td>
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<td>40</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td>50</td>
<td>20</td>
<td>17 1/2</td>
</tr>
</tbody>
</table>

### SI UNITS (mm)

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>STANDARD COILS</th>
<th>HIGH CAPACITY COILS</th>
</tr>
</thead>
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<tr>
<td></td>
<td>B</td>
<td>C</td>
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<tr>
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<td>254</td>
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<tr>
<td>20</td>
<td>406</td>
<td>381</td>
</tr>
<tr>
<td>30</td>
<td>406</td>
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<tr>
<td>40</td>
<td>406</td>
<td>381</td>
</tr>
<tr>
<td>50</td>
<td>508</td>
<td>445</td>
</tr>
</tbody>
</table>

### NOTES:

1. FABRICATED FROM 22 GA. GALVANIZED STEEL. MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
2. HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM FINS WITH O.D. SWEAT CONNECTIONS.
3. METHOD OF VENTING HOT WATER COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.
4. HANDLING OF HOT WATER COILS CAN BE ON THE SAME SIDE AS THE CONTROLS, OR OPPOSITE SIDE. LEFT HAND UNIT WITH SAME SIDE CONNECTION IS ILLUSTRATED ABOVE.
5. ALLOW 1 1/2 (38) MINIMUM CLEARANCE FOR INSTALLATION AT THIS END.
6. PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF AHRI STANDARD 410.
7. STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.

### OPTIONS:

- HC - HIGH CAPACITY COILS SUPPLIED WITH 12 FINS PER INCH.

---

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**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**HOT WATER COILS**

**FAN POWERED TERMINALS**

**FDC & FDC DOAS SIZES 10-50**

---

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**Sheet 1 of 2 REV D FDC-1-3**
OPTIONS:

□ HC - HIGH CAPACITY COILS SUPPLIED WITH 12 FINS PER INCH.

NOTES:

1. FABRICATED FROM 22 GA. GALVANIZED STEEL. MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.

2. HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM FINS WITH O.D. SWEAT CONNECTIONS.

3. METHOD OF VENTING HOT WATER COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.

4. FLANGED ADAPTOR REQUIRED TO ATTACH HOT WATER COILS TO FANS.

5. HANDING OF HOT WATER COILS CAN BE ON THE SAME SIDE AS THE CONTROLS, OR OPPOSITE SIDELEFT HAND UNIT WITH SAME SIDE CONNECTION IS ILLUSTRATED ABOVE.

6. ALLOW 1 1/2" (38) MINIMUM CLEARANCE FOR INSTALLATION AT THIS END.

7. PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF AHRI STANDARD 410.

8. STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.

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HOT WATER COILS

1. Fabricated from 22 GA. galvanized steel. Mechanically sealed, leak resistant construction.

2. Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.

3. Method of venting hot water coil is to be provided by installing contractor.

4. Handling of hot water coils can be on the same side as the controls, or opposite side. Left hand unit with same side connection is illustrated above.

5. Allow 1 1/2" (38) minimum clearance for installation at this end.

6. Performance rated and certified in accordance with the current edition of AHRI Standard 410.

7. Standard coils supplied with 10 fins per inch.

OPTIONS:
- HC - High capacity coils supplied with 12 fins per inch
- CAD - Access door w/screws
- CADL - Access door w/snap latches
- CADQ - Coil access door w/quarter turn sash latches

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 09/26/2019

SPEC. SYMBOL: FDC-1-3

SUBMITTAL SHEET

© Copyright PRICE INDUSTRIES 2019
NOTES:
1. FABRICATED FROM 22 GA. GALVANIZED STEEL. MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
2. HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM FINS WITH O.D. SWEAT CONNECTIONS.
3. METHOD OF VENTING HOT WATER COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.
4. FLANGED ADAPTOR REQUIRED TO ATTACH HOT WATER COILS TO FANS.
5. HANDLING OF HOT WATER COILS CAN BE ON THE SAME SIDE AS THE CONTROLS, OR OPPOSITE SIDE. LEFT HAND UNIT WITH SAME SIDE CONNECTION IS ILLUSTRATED ABOVE.
6. ALLOW 1 1/2" (38) MINIMUM CLEARANCE FOR INSTALLATION AT THIS END.
7. PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF AHRI STANDARD 410.
8. STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.

OPTIONS:
- HC - HIGH CAPACITY COILS SUPPLIED WITH 12 FINS PER INCH
- CAD - ACCESS DOOR W/SCREWS
- CADL - ACCESS DOOR W/SNAP LATCHES
- CADQ - COIL ACCESS DOOR W/QUARTER TURN SASH LATCHES

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
## Standard Features
- Integrated rivet hinged access door
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Fan interlocked with heating elements
- Magnetic contactors
- 20 ga. galvanized steel construction
- High grade nickel chrome heating elements
- Single point electrical connection, except separate power supply for 600/3 Ω/3 wire

### Supply Voltage:
- 115/100V
- 208/100V (3 wire)
- 240/100V
- 277/100V
- 480/100V (3 wire)
- 208/300V (4 wire)
- 480/300V (4 wire)
- 600/300V (3 or 4 wire)

## Optional Features
- Air flow switch
- Control circuit fuse
- Door interlock disconnect switch
- Main supply fuse
- Motor fuse
- SCR controls
- SCR-DAT controls
- 0 to 10 Vdc control signal
- 4 to 20 mA control signal
- 24 Vac pulse control
- DP - dual point power connection
- Insulated EC section

## Notes
- 70 CFM per kw minimum air flow across heater coils.
- Minimum 0.2" w.g. (50 Pa) external static pressure to operate.
- Assembly ETL certified to UL1995 & CSA236.

## Unit Sizes (Outlet Duct Size B x C)

<table>
<thead>
<tr>
<th>Size</th>
<th>B x C</th>
<th>D</th>
<th>F</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>12 x 10 (305 x 254)</td>
<td>14 5/8 (371)</td>
<td>4 (102)</td>
<td>18 3/8 (467)</td>
</tr>
<tr>
<td>20</td>
<td>16 x 15 (406 x 381)</td>
<td>18 (457)</td>
<td>5 (127)</td>
<td>16 1/4 (413)</td>
</tr>
<tr>
<td>30</td>
<td>16 x 15 (406 x 381)</td>
<td>18 (457)</td>
<td>5 (127)</td>
<td>16 1/4 (413)</td>
</tr>
<tr>
<td>40</td>
<td>16 x 15 (406 x 381)</td>
<td>18 (457)</td>
<td>5 (127)</td>
<td>16 1/4 (413)</td>
</tr>
<tr>
<td>50</td>
<td>20 x 17 1/2 (508 x 445)</td>
<td>18 (457)</td>
<td>3 (76)</td>
<td>16 1/4 (413)</td>
</tr>
</tbody>
</table>

## Electric Coils
**Constant Volume**
FDC & FDC DOAS
Sizes 10-50

---

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

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---

**Submittal Sheet**

**Electrical Enclosure**

**Hinged Access Door**

---

**KUNIT SIZES SIZE B X C D FOUTLET DUCT**
STANDARD FEATURES
• INTEGRATED RIVET HINGED ACCESS DOOR
• AUTOMATIC RESET THERMAL CUTOUT
• MANUAL RESET THERMAL CUTOUT
• FAN INTERLOCKED WITH HEATING ELEMENTS
• MAGNETIC CONTACTORS
• 20 GA. GALVANIZED STEEL CONSTRUCTION
• HIGH GRADE NICKEL CHROME HEATING ELEMENTS
• SINGLE POINT ELECTRICAL CONNECTION, EXCEPT SEPARATE POWER SUPPPLY FOR 600/3 Φ/3 WIRE

SUPPLY VOLTAGE:
- 115/1Φ
- 208/1Φ (3 WIRE)
- 240/1Φ
- 277/1Φ
- 480/1Φ (3 WIRE)
- 208/3Φ (4 WIRE)
- 480/3Φ (4 WIRE)
- 600/3Φ (3 OR 4 WIRE)

OPTIONAL FEATURES
- AIR FLOW SWITCH
- CONTROL CIRCUIT FUSE
- DOOR INTERLOCK DISCONNECT SWITCH
- MAIN SUPPLY FUSE
- MOTOR FUSE
- SCR CONTROLS
- SCR-DAT CONTROLS
- 0 to 10 Vdc CONTROL SIGNAL
- 4 to 20 mA CONTROL SIGNAL
- 24 VAC PULSE CONTROL
- DP - DUAL POINT POWER CONNECTION
- INSULATED EC SECTION

NOTES
- 70 CFM PER KW MINIMUM AIR FLOW ACROSS HEATER COILS.
- MINIMUM 0.2" w.g.(50 Pa) EXTERNAL STATIC PRESSURE TO OPERATE.
- ASSEMBLY ETL CERTIFIED TO UL1995 & CSA236.

UNIT SIZES

<table>
<thead>
<tr>
<th>UNIT SIZES</th>
<th>OUTLET DUCT SIZE B X C</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>38x18 (965x457)</td>
<td>18 (457)</td>
<td>7 (178)</td>
</tr>
</tbody>
</table>

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

© Copyright PRICE INDUSTRIES 2019
NOTES:
• 22 GA. GALVANIZED STEEL HOUSING. MECHANICALLY SEALED LEAK RESISTANT CONSTRUCTION.
• INTERNAL INSULATION - 1" (25mm) THICK, MIN. 1.5 LB/CU.FT DENSITY WHICH MEETS REQUIREMENTS OF NFPA90A AND UL181.
• ATTENUATOR LINER MATCHES THE UNIT LINER (EXCEPT FOR SM1 UNIT LINER COMES WITH PM1 ATTENUATOR LINER).

**UNIT SIZE** | **IMPERIAL UNITS (inches)**
---|---
| L | B | C |
10 | 28 | 9 | 15 1/4 |
20 | 38 | 15 | 18 1/2 |
30 | 38 | 15 | 18 1/2 |
40 | 38 | 17 | 18 1/2 |
50 | 41 | 17 | 20 1/8 |

**UNIT SIZE** | **SI UNITS (mm)**
---|---
| L | B | C |
10 | 711 | 229 | 387 |
20 | 965 | 381 | 470 |
30 | 965 | 381 | 470 |
40 | 965 | 432 | 470 |
50 | 1041 | 432 | 511 |
NOTES:
- 22 GA. GALVANIZED STEEL HOUSING, MECHANICALLY SEALED LEAK RESISTANT CONSTRUCTION.
- INTERNAL INSULATION - 1" (25mm) THICK, MIN. 1.5 LB/CU.FT DENSITY WHICH MEETS REQUIREMENTS OF NFPA90A AND UL181.
- ATTENUATOR LINER MATCHES THE UNIT LINER (EXCEPT FOR SM1 UNIT LINER COMES WITH PM1 ATTENUATOR LINER).
**NOTES:**
- 1"(25) NOMINAL FILTER MEDIA.
- CARDBOARD FRAME.
- MERV 3 RATING (THROWAWAY).
- FILTERS ARE CLIPPED TO TERMINAL CASING.

**SIZE 60** REQUIRES 2 FILTERS

**IMPERIAL UNITS**

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>W</th>
<th>H</th>
<th>W</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>10</td>
<td>15</td>
<td>1/4</td>
<td>254</td>
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<tr>
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<tr>
<td>60*</td>
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<td>3/4</td>
<td>19</td>
<td>7/8</td>
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</table>

**S.I. UNITS**

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>W</th>
<th>H</th>
<th>W</th>
<th>H</th>
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<tbody>
<tr>
<td>10</td>
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<td>4</td>
<td>387</td>
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</tr>
</tbody>
</table>

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FILTERS
FAN POWERED TERMINAL
FDC
SIZES 10-60
MERV8

NOTES:
- 2" (51) NOMINAL FILTER MEDIA.
- CARDBOARD FRAME.
- MERV 8 RATING.
- FILTER MOUNTED AS STANDARD ON RH CONFIGURATION AS SHOWN BELOW. UNITS WITH LH CONFIGURATION ARE FLIPPED, CAUSING THE FILTER BOOT TO FACE DOWN.

SIZE 60 REQUIRES 2 FILTERS

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

09/26/2019 267934

© Copyright PRICE INDUSTRIES 2019
1" (25) - MERV 3  
2" (51) - MERV 8 OR 13

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>IMPERIAL UNITS</th>
<th>S.I. UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>W</td>
<td>H</td>
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<tr>
<td>10</td>
<td>16 1/2</td>
<td>12 1/2</td>
</tr>
<tr>
<td>20</td>
<td>19</td>
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<td>40</td>
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<td>15</td>
</tr>
<tr>
<td>50</td>
<td>20 1/2</td>
<td>17 1/2</td>
</tr>
</tbody>
</table>

NOTES:  
- 1" (51) NOMINAL FILTER MEDIA, FOR MERV 3 RATING (THROWAWAY).  
- 2" (51) NOMINAL FILTER MEDIA, FOR MERV 8 OR 13 RATING.  
- CARDBOARD FRAME.  
- 2 FILTERS PER UNIT REQUIRED.
FILTERS
FAN POWERED TERMINAL
FDC
SIZES 10-60
MERV3 W/ IAS

SIZE 60

MERV3 FILTERS (2X)

SIZES 10-50

MERV3 FILTER

REINFORCED MEDIA SIDE

NOTES:
- • 1"(25) NOMINAL FILTER MEDIA.
- • CARDBOARD FRAME.
- • MERV 3 RATING (THROWAWAY).

IMPERIAL UNITS | S.I. UNITS
---|---
UNIT SIZE  | W | H | W | H
10  | 9  | 15 1/4  | 229  | 387
20  | 15  | 18 1/2  | 381  | 470
30  | 15  | 18 1/2  | 381  | 470
40  | 17  | 18 1/2  | 432  | 470
50  | 17  | 20 1/8  | 432  | 511
60* | 15 1/2 | 17 1/2  | 394  | 445

*SIZE 60 REQUIRES 2 FILTERS

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 09/26/2019

SPEC. SYMBOL: MERV3 W/ IAS

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NOTES:
- 2" (51) NOMINAL FILTER MEDIA.
- CARDBOARD FRAME.
- MERV 8 RATING.
- FILTER MOUNTED AS STANDARD ON RH CONFIGURATION AS SHOWN BELOW. UNITS WITH LH CONFIGURATION ARE FLIPPED, CAUSING THE FILTER BOOT TO FACE DOWN.

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>FILTER BOOT SIZE</th>
<th>FILTER SIZE</th>
<th>BOOT SIZE</th>
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<td>H</td>
<td>A</td>
</tr>
<tr>
<td>10</td>
<td>10 1/4</td>
<td>18</td>
<td>10 3/4</td>
</tr>
<tr>
<td>20</td>
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<td>23 3/8</td>
<td>23 7/8</td>
<td>22 7/8</td>
</tr>
<tr>
<td>60*</td>
<td>25 1/4</td>
<td>25 1/4</td>
<td>15 3/4</td>
</tr>
</tbody>
</table>

*SIZE 60 REQUIRES 2 FILTERS

- FILTER BOOT (X2)

FILTERS
FAN POWERED TERMINAL
FDC
SIZES 10-60
MERV8 W/ IAS

PROJECT:
FILTERS
FAN POWERED TERMINAL
FDC
SIZES 10-60
MERV8 W/ IAS

SUBMITTAL DATE: 09/26/2019
SPEC. SYMBOL: 268268

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NOTES:

- HANGER BRACKETS ARE 12 GAUGE ZINC COATED STEEL.
- 4 PER UNIT (6 FOR SIZE 60 W/IAS).
- 2 PER DISCHARGE ATTENUATOR OR SILENCER.
- 2 PER ELECTRIC AND WATER COIL FOR SIZE 60 ONLY.
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS (BY OTHERS).
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
NOTES:
- HANGER BRACKETS ARE 12 GAUGE ZINC COATED STEEL.
- 4 PER UNIT (6 FOR SIZE 60 W/IAS).
- 2 PER DISCHARGE ATTENUATOR OR SILENCER.
- 2 PER ELECTRIC AND WATER COIL FOR SIZE 60 ONLY.
- 2 ADDITIONAL HANGER BRACKETS WHEN ELECTRIC COIL & SM/PM LINER IS SELECTED FOR SIZE 10 & 50 ONLY.
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS (BY OTHERS).
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.
NOTES:
• HANGER BRACKETS ARE 12 GAUGE ZINC COATED STEEL.
• 4 PER UNIT (6 FOR SIZE 60 W/IAS).
• 2 PER DISCHARGE ATTENUATOR OR SILENCER.
• 2 PER ELECTRIC AND WATER COIL FOR SIZE 60 ONLY.
• BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS (BY OTHERS).
• LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
NOTES:
- HANGER BRACKETS ARE 12 GAUGE ZINC COATED STEEL.
- 4 PER UNIT.
- 2 PER DISCHARGE ATTENUATOR OR SILENCER.
- 2 PER SENSIBLE COOLING COIL.
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS (BY OTHERS).
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

SENSIBLE COOLING COIL HANGER BRACKET

SENSIBLE COOLING COIL HANGER BRACKETS MOUNT FLUSH WITH FLANGE ON COIL INLET DO NOT SCREW THROUGH TUBES

SIZE 10-50
DOAS BASIC BOX

1.000" (25) TYP

SENSIBLE COOLING COIL HANGER BRACKET LOCATIONS FOR FDC DOAS
NOTES:

- HANGER BRACKETS ARE 12 GAUGE ZINC COATED STEEL.
- 4 PER UNIT.
- 2 PER DISCHARGE ATTENUATOR OR SILENCER.
- 2 PER SENSIBLE COOLING COIL.
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS (BY OTHERS).
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

ALL METRIC DIMENSIONS (\) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
NOTES:
- HBS ARE SHIPPED LOOSE FOR FIELD INSTALLATION BY OTHERS, UNLESS OTHERWISE NOTED ON ORDER
- NUMBER OF HBS SHIPPED PER UNIT ACCORDING TO THE REFERENCE CHARTS ABOVE
- RED SPRING LOAD RANGE: 16 LBS - 35 LBS
- YELLOW SPRING LOAD RANGE: 36 LBS - 65 LBS
- NOTE 1: FOR 6 & 8 ROW SENSIBLE COOLING COIL ON SIZE 50, USE YELLOW (X2)

PRODUCT          | HBS QTY REQUIRED
-----------------|------------------
|                 | BASE UNIT | DAS/SLR | IAS | EC/WC | EC+SM/PM LINER | SM/PM LINER | DOAS SENSIBLE COOLING COIL |
--------------- |-----------|----------|-----|-------|-----------------|-------------|--------------------------|
FDC 10         | RED (X4)  | RED (X2) | -   | -     | RED (X2)        | -           | -                        |
FDC 20-40      | YELLOW (X4)| RED (X2) | -   | -     | YELLOW (X2)     | -           | -                        |
FDC 50         | YELLOW (X4)| RED (X2) | -   | -     | -               | RED (X2)    | -                        |
FDC 60         | YELLOW (X4)| RED (X2) | RED (X2) | YELLOW (X2) | -     | YELLOW (X2) | -                        |
FDC DOAS 10    | RED (X4)  | RED (X2) | -   | -     | RED (X2)        | -           | RED (X2)                |
FDC DOAS 20-40 | YELLOW (X4)| RED (X2) | -   | -     | -               | -           | RED (X2)                |
FDC DOAS 50    | YELLOW (X4)| RED (X2) | -   | -     | YELLOW (X2)     | -           | RED (X2) SEE NOTE 1

PRODUCT HANGER BRACKETS (HB) LOCATIONS FOR FDC & FDC DOAS HBS

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NOTES:

- MADE FROM 22 GA GALVANIZED STEEL CONSTRUCTION
- SLIP AND DRIVE CONNECTION

---

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

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### ATTENUATOR

FAN POWERED TERMINALS
DISCHARGE FDC & FDC DOAS
SIZES 10-50

#### PROJECT:

268659

#### ENGINEER:

#### CUSTOMER:

#### SUBMITTAL DATE:

09/26/2019

#### SPEC. SYMBOL:

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### Imperial Units (inches)

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>WITHOUT COIL OR WITH STANDARD COIL</th>
<th>WITH HIGH CAPACITY COIL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>10</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>20</td>
<td>16</td>
<td>15</td>
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<tr>
<td>30</td>
<td>16</td>
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<td>15</td>
</tr>
<tr>
<td>50</td>
<td>20</td>
<td>17 1/2</td>
</tr>
</tbody>
</table>

### SI Units (mm)

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>WITHOUT COIL OR WITH STANDARD COIL</th>
<th>WITH HIGH CAPACITY COIL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>10</td>
<td>305</td>
<td>254</td>
</tr>
<tr>
<td>20</td>
<td>406</td>
<td>381</td>
</tr>
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<td>30</td>
<td>406</td>
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<td>381</td>
</tr>
<tr>
<td>50</td>
<td>508</td>
<td>445</td>
</tr>
</tbody>
</table>

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**NOTES:**

- 22 GA. GALVANIZED STEEL HOUSING, MECHANICALLY SEALED LEAK RESISTANT CONSTRUCTION.
- INSULATION TYPE WILL MATCH THE UNIT INSULATION TYPE.
- DISCHARGE ATTENUATORS SHIPPED LOOSE WITH SLIP AND DRIVE CLEATS WHERE REQUIRED.
- SLIP AND DRIVE CONNECTION (DISCHARGE COLLAR IS PROVIDED).

ALL METRIC DIMENSIONS (**) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
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NOTES:
- 22 GA. GALVANIZED STEEL HOUSING, MECHANICALLY SEALED LEAK RESISTANT CONSTRUCTION.
- SILENCER WITH PERFORATED LINER OVER ACOUSTIC FIBERGLASS MEDIA.
- DISCHARGE SILENCERS SHIPPED LOOSE WITH SLIP AND DRIVE CLEATS WHERE REQUIRED.
- SLIP AND DRIVE CONNECTION (DISCHARGE COLLAR IS PROVIDED).

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<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>IMPERIAL UNITS (inches)</th>
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<tbody>
<tr>
<td>10</td>
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<td>20</td>
<td>16</td>
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<td>30</td>
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<tr>
<td>40</td>
<td>16</td>
</tr>
<tr>
<td>50</td>
<td>20 17 1/2</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>SI UNITS (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>305 254</td>
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<tr>
<td>20</td>
<td>406 381</td>
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<td>30</td>
<td>406 381</td>
</tr>
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<td>40</td>
<td>406 381</td>
</tr>
<tr>
<td>50</td>
<td>508 445</td>
</tr>
</tbody>
</table>

OPTIONAL LINERS:
- FC - FIBERGLASS CLOTH
- PL - POLYMER LINER

PROJECT: ATTENUATOR
FAN POWERED TERMINALS
DISCHARGE SILENCER
FDC & FDC DOAS
SIZES 10-50

ENGINEER: CUSTOMER:
268660
SUBMITTAL DATE: SPEC. SYMBOL: 09/26/2019
Rev C FDC-1-3

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NOTES:
- 22 GA. GALVANIZED STEEL HOUSING, MECHANICALLY SEAL ED LEAK RESISTANT CONSTRUCTION.
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- SLIP AND DRIVE CONNECTION (DISCHARGE COLLAR IS PROVIDED).

OPTIONAL LINERS:
- FC - FIBERGLASS CLOTH
- PL - POLYMER LINER

ALL METRIC DIMENSIONS [ ] ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
NOTE:
- FRESH AIR INLET LINER MATCHES THE UNIT LINER
- OVERALL LENGTH OF UNIT IS INCREASED BY 11.000" (279) WITH THE FRESH AIR INLET OPTION

**IMPERIAL UNITS (INCHES)**

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Inlet Sizes</th>
<th>A</th>
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</tr>
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<td></td>
<td>4, 5, 6</td>
</tr>
<tr>
<td>30</td>
<td>8, 10, 12</td>
<td></td>
<td>6, 8</td>
</tr>
<tr>
<td>40</td>
<td>10, 12, 14</td>
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</tr>
<tr>
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<td>12, 14</td>
<td></td>
<td>6, 8</td>
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</table>

**SI UNITS (mm)**

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Inlet Sizes</th>
<th>A</th>
<th>FAI Sizes</th>
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<tbody>
<tr>
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<td>152, 203</td>
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</tbody>
</table>

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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NOTES:
• PLASTIC INJECTION MOLDED BUTTON, WITH GALVANIZED STEEL TABS.
• 6 LATCHES PER ACCESS PANEL.
• SLOT INCLUDED IN CAM LATCH FOR EASY ACCESSIBILITY WITH A SCREWDRIVER.

SIZE 10-50

DETAIL A

SIZE 60

SENSIBLE COOLING COIL (FDC-DOAS ONLY)

SIZES 10-60

FAN POWERED TERMINAL
FDC / FDC-DOAS

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**STANDARD CONSTRUCTION:**

- **INTERNAL INSULATION** - FIBER GLASS 1" (25mm) THICK, MINIMUM 1.5 LB/CU.FT DENSITY WHICH MEETS REQUIREMENTS OF NFPA 90A & UL181.
- **ZINC COATED 20 GAUGE STEEL HOUSING.**
- **MINIMUM 0.1" w.g. (25 PA) EXTERNAL STATIC PRESSURE TO OPERATE.**
- **ECM ELECTRICAL MOTOR, 1 PHASE, 60 CYCLE, SPEED CONTROLLER INCLUDED.**
- **LISTED UL 1995 & CSA299 ASSEMBLY.**
- **RIGHT HAND CONFIGURATION SHOWN ABOVE.**
- **THE OUTLET IS NOT VERTICALLY CENTERED ON THE DISCHARGE PANEL. WHEN THE BOX IS SUPPLIED WITH LEFT-HANDED CONTROLS, DIMENSION 'J' MEASURES FROM THE TOP OF THE BOX INSTEAD OF THE BOTTOM, AS SHOWN.**
- **UNITS NOT TO BE USED FOR TEMPORARY HEAT OR VENTILATION DURING CONSTRUCTION.**
- **GALVANIZED STEEL Drip Pan.**
- **FOR SENSIBLE COOLING COIL NOTES SEE SHEET 2 OF 2.**

**ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.**

---

**STANDARD DC**

- **PRIMARY AIR**
- **COOLING COIL**
- **OUTLET DUCT SIZE**

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>PRIMARY AIR</th>
<th>COOLING COIL</th>
<th>OUTLET DUCT SIZE</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>INLET &quot;A&quot;</td>
<td>B C D E</td>
<td>L W H J</td>
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<tr>
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<td>9 3/4 8 20</td>
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<tr>
<td>20</td>
<td>4.5,6,8,10</td>
<td>36/2 15</td>
<td>11 1/3 41 26</td>
</tr>
<tr>
<td>30</td>
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<td>39/2 17/2 13 5/8 14/2 44</td>
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</table>

<table>
<thead>
<tr>
<th>SI UNITS (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIT SIZE</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>10</td>
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<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
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</tbody>
</table>

**UNIT SIZE**

- **ECM MOTOR**
- **FULL LOAD AMPS**

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>ECM H.P.</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/20</td>
<td>4.2</td>
<td>2.4 2.3 2.2</td>
</tr>
<tr>
<td>1/16</td>
<td>4.2</td>
<td>2.4 2.3 2.2</td>
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<tr>
<td>1/12</td>
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<td>2.4 2.3 2.2</td>
</tr>
<tr>
<td>1/10</td>
<td>4.2</td>
<td>2.4 2.3 2.2</td>
</tr>
<tr>
<td>1/8</td>
<td>4.2</td>
<td>2.4 2.3 2.2</td>
</tr>
</tbody>
</table>

**OPTIONS:**

- DISCHARGE ATTENUATOR (DAS)
- DISCHARGE SILENCER (SILR)
- SLIP & DRIVE DISCHARGE COLLAR (DC)
- DISCONNECT SWITCH (DSW)
- CONTROLS ENCLOSURE (PS)
- 1" MERV 3 FILTER (MERV3)
- 2" MERV 8 FILTER (MERV8)
- 2" MERV 13 FILTER (MERV13)
- HANGER BRACKETS (HB), SHIPPED LOOSE
- SPRING HANGER BRACKETS (HBS)
- BRASS AIRFLOW SENSOR GAUGE TAPS (GT)
- CHICAGO BUILDING CODE (CBC)
- CAM LATCH ACCESS DOOR (CL)
- STAINLESS STEEL Drip Pan (SS)

**LINERS:**

- FF1
- FB1
- SM1
- PM1
- CRAF1

**PROJECT:**

- **FDC DOAS**
- **FAN POWERED TERMINAL**
- **CONSTANT VOLUME**
- **SIZES 10 TO 50**

**SPEC. SYMBOL:**

- **271534**

**SUBMITTAL DATE:**

- **09/26/2019**
SENSIBLE COOLING COIL NOTES:
- COOLING COIL IS INTENDED FOR SENSIBLE COOLING ONLY.
- FABRICATED FROM 22 GA. GALVANIZED STEEL, MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
- ALUMINUM FINS & COPPER TUBES WITH O.D. SWEAT CONNECTIONS.
- HAND OF WATER COIL CONNECTIONS IS DETERMINED WHEN VIEWED FROM AIR INLET SIDE.
- LEFT HAND COIL SHOWN ABOVE.
- COIL PERFORMANCE RATED & CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF AHRI STANDARD 410.
- SEE PERFORMANCE SCHEDULE FOR FLOW AND COOLING CAPACITY/WATER COIL CONFIGURATION.

SENSIBLE COOLING COIL:
- 2 ROW
- 4 ROW
- 6 ROW
- 8 ROW
- STAINLESS STEEL DRIP PAN (SS)

UNIT SIZE | COOLING COIL
---|---
B | C

IMPERIAL UNITS (INCH)
- 10 | 31 1/2 | 12 1/2
- 20,30,40 | 36 1/2 | 15
- 50 | 39 1/2 | 17 1/2

SI UNITS (mm)
- 10 | 800 | 318
- 20,30,40 | 927 | 381
- 50 | 1003 | 445

ROWS | X | CONNECTION SIZE
---|---|---

IMPERIAL UNITS (INCH)
- 2 | 4 1/4 | 7/8
- 4 | 6 3/8 | 1 1/8
- 6 | 8 5/8 | 1 1/8
- 8 | 10 3/4 | 1 1/8

SI UNITS (mm)
- 2 | 108 | 23
- 4 | 162 | 29
- 6 | 219 | 29
- 8 | 273 | 29