Optional Controls Enclosure - NEMA W/Motor Speed Controller

Electrical Enclosure NEMA W/Motor Speed Controller

Project:  
Engineer:  
Customer:  
Submittal Date: 09/26/2019

Specifications:
- Imperial dimensions are converted to metric and rounded to the nearest millimeter.
- Units not to be used for temporary heat or ventilation during construction.
- Controls mounted as standard on LH side as shown above.
- The outlet is not vertically centered on the discharge panel. When the box is supplied with right-handed controls, dimension 'J' measures from the bottom of the box instead of the top, as shown.
- Units not to be used for temporary heat or ventilation during construction.

ECM Motor Specifications:

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Inlet Sizes</th>
<th>A</th>
<th>Return Air Inlet</th>
<th>Outlet</th>
<th>L</th>
<th>W</th>
<th>H</th>
<th>J</th>
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<td>8</td>
<td>10</td>
<td>9 1/4</td>
<td>8</td>
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<td>20</td>
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<td>13 1/2</td>
<td>15</td>
<td>13 1/4</td>
<td>11 1/3</td>
<td>41</td>
<td>26</td>
<td>18 1/2</td>
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<td>13 1/4</td>
<td>11 1/3</td>
<td>41</td>
<td>26</td>
<td>18 1/2</td>
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<tr>
<td>40</td>
<td>10, 12, 14, 16</td>
<td>13 1/2</td>
<td>15</td>
<td>13 1/4</td>
<td>11 1/3</td>
<td>41</td>
<td>26</td>
<td>18 1/2</td>
</tr>
<tr>
<td>50</td>
<td>12, 14, 16</td>
<td>15</td>
<td>16</td>
<td>11 3/4</td>
<td>14 1/2</td>
<td>44</td>
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<td>20 1/8</td>
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</table>

<table>
<thead>
<tr>
<th>SI Units (mm)</th>
<th>Inlet Sizes</th>
<th>A</th>
<th>Return Air Inlet</th>
<th>Outlet</th>
<th>L</th>
<th>W</th>
<th>H</th>
<th>J</th>
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<td>515, 520, 524, 530, 533</td>
<td>343</td>
<td>381</td>
<td>337</td>
<td>288</td>
<td>304</td>
<td>660</td>
<td>470</td>
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<td>762</td>
<td>411</td>
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</table>

Options:
- ECM Motor
- Inlet Attenuator (IAS)
- Discharge Attenuator (DAS)
- Discharge Silencer (SLR)
- Slip & Drive Discharge Collar (DC)
- Disconnect Switch (DSW)
- Controls Enclosure (PS)
- 1" MERV 3 Filter (MERV3)
- 2" MERV 5 Filter (MERV5)
- Hanger Brackets (HB), Shipped Loose
- Spring Hanger Brackets (HBS)
- Brass Airflow Sensor Gauge Taps (GT)
- Chicago Building Code (CBC)
- Cam Latch Access Door (CL)
- Fresh Air Inlet (FAI)

Liners:
- FF1
- FB1
- SM1
- PM1
- CRAF1

Notes:
- Internal insulation - fiberglass 1" (25mm) thick, min. 1.5 lb/cu.ft.
- Zinc coated 20 gauge steel housing.
- Minimum 0.1" w.g. (25 Pa) external static pressure to operate.
- Electric motor 1 phase, 60 cycle.
- Listed UL1995 & CSA236 assembly.
- Controls mounted as standard on LH side as shown above.
- The outlet is not vertically centered on the discharge panel. When the box is supplied with right-handed controls, dimension 'J' measures from the bottom of the box instead of the top, as shown.
- Units not to be used for temporary heat or ventilation during construction.
**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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**NOTES:**

- **INTERNAL INSULATION - FIBERGLASS 1" (25mm) THICK, MIN. 1.5 LB/CU.FT DENSITY WHICH MEETS THE REQUIREMENTS OF NFPA 90A AND UL181.**
- **ZINC COATED 20 GAUGE STEEL HOUSING.**
- **MINIMUM 0.1" w.g. (25 PA) EXTERNAL STATIC PRESSURE TO OPERATE.**
- **ELECTRIC MOTOR 1 PHASE, 60 CYCLE.**
- **LISTED UL1995 & CSA236 ASSEMBLY.**
- **CONTROLS MOUNTED AS STANDARD ON LH SIDE AS SHOWN ABOVE.**
- **THE OUTLET IS NOT VERTICALLY CENTERED ON THE DISCHARGE PANEL WHEN THE BOX IS SUPPLIED WITH RIGHT-HANDED CONTROLS, DIMENSION 'J' MEASURES FROM THE BOTTOM OF THE BOX INSTEAD OF THE TOP, AS SHOWN.**
- **UNITS NOT TO BE USED FOR TEMPORARY HEAT OR VENTILATION DURING CONSTRUCTION.**

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**OPTIONS:**

- ECM MOTOR
- GENESIS INLET ATTENUATOR (IAS)
- DISCHARGE ATTENUATOR (DAS)
- DISCHARGE SILENCER (SLR)
- SLIP & DRIVE DISCHARGE COLLAR (DC)
- DISCONNECT SWITCH (DSW)
- CONTROLS ENCLOSURE (PS)
- 1" MERV 3 FILTER (MERV3)
- 2" MERV 8 FILTER (MERV8)
- HANGER BRACKETS (HB), SHIPPED LOOSE
- SPRING HANGER BRACKETS (HBS)
- BRASS AIRFLOW SENSOR GAUGE TAPS (GT)
- CHICAGO BUILDING CODE (CBC)
- CAM LATCH ACCESS DOOR (CL)

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**LINERS:**

- FF1
- FB1
- SM1
- PM1
- CRAF1

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

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**FLA AT 0.2" w.g. (50Pa) EXTERNAL STATIC PRESSURE AND MAX. FLOW.**