## STANDARD CONSTRUCTION
- Single speed T.E.A.O. motor(s) - direct drive
- Gray powder coated exterior (Optional: Custom Color or Stainless)
- Split cabinet construction for fan assembly removal
- Top Mounting only
- Front air intake only
- High efficiency Pro-V Nozzle

### NOTES:
1. Operation at 50 Hz will generate approximately a 17% reduction in performance.
2. Performance data based on AMCA licensed data from unheated units.
3. Maximum leaving air temperature shall not exceed 120°F.
4. Consult factory for vertically mounted units.

See sheet EP-422 for heater amp draws/total load requirements.

### MODEL NUMBER CONFIGURATION

**IDC16-1 060 E D-430-F-SS**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC16-1060E</td>
<td>60.00</td>
<td>5,145</td>
<td>3,302</td>
<td>5,359</td>
<td>85%</td>
<td>2.80</td>
<td>1 @ 3</td>
<td>43.0</td>
<td>146.8</td>
<td>25°</td>
<td>490</td>
</tr>
<tr>
<td>IDC16-1072E</td>
<td>72.00</td>
<td>5,005</td>
<td>2,944</td>
<td>6,256</td>
<td>91%</td>
<td>2.90</td>
<td>1 @ 3</td>
<td>50.0</td>
<td>170.7</td>
<td>25°</td>
<td>555</td>
</tr>
<tr>
<td>IDC16-1084E</td>
<td>84.00</td>
<td>4,644</td>
<td>2,732</td>
<td>6,772</td>
<td>89%</td>
<td>3.00</td>
<td>1 @ 3</td>
<td>56.0</td>
<td>191.1</td>
<td>26°</td>
<td>620</td>
</tr>
<tr>
<td>IDC16-1096E</td>
<td>96.00</td>
<td>5,352</td>
<td>3,148</td>
<td>8,920</td>
<td>87%</td>
<td>4.10</td>
<td>1 @ 5</td>
<td>71.0</td>
<td>242.3</td>
<td>25°</td>
<td>745</td>
</tr>
<tr>
<td>IDC16-1108E</td>
<td>108.00</td>
<td>5,236</td>
<td>3,080</td>
<td>9,817</td>
<td>86%</td>
<td>4.20</td>
<td>1 @ 5</td>
<td>71.0</td>
<td>242.3</td>
<td>23°</td>
<td>810</td>
</tr>
<tr>
<td>IDC16-1120E</td>
<td>117.00</td>
<td>6,012</td>
<td>3,627</td>
<td>12,526</td>
<td>87%</td>
<td>4.80</td>
<td>1 @ 7.5</td>
<td>100.0</td>
<td>341.3</td>
<td>25°</td>
<td>940</td>
</tr>
<tr>
<td>IDC16-1132E</td>
<td>132.00</td>
<td>5,602</td>
<td>3,296</td>
<td>12,839</td>
<td>86%</td>
<td>4.90</td>
<td>1 @ 7.5</td>
<td>1 @ 5, 1 @ 3</td>
<td>2 @ 52.0</td>
<td>25°</td>
<td>1,005</td>
</tr>
<tr>
<td>IDC16-1144E</td>
<td>144.00</td>
<td>5,225</td>
<td>3,074</td>
<td>13,062</td>
<td>85%</td>
<td>5.40</td>
<td>1 @ 7.5</td>
<td>2 @ 52.0</td>
<td>355.0</td>
<td>25°</td>
<td>1,080</td>
</tr>
<tr>
<td>IDC16-1156E</td>
<td>156.00</td>
<td>4,943</td>
<td>2,908</td>
<td>13,388</td>
<td>84%</td>
<td>5.50</td>
<td>1 @ 7.5</td>
<td>2 @ 55.0</td>
<td>375.4</td>
<td>26°</td>
<td>1,145</td>
</tr>
<tr>
<td>IDC16-2168E</td>
<td>188.00</td>
<td>5,203</td>
<td>3,061</td>
<td>15,176</td>
<td>89%</td>
<td>7.00</td>
<td>1 @ 5, 1 @ 3</td>
<td>2 @ 60.5</td>
<td>413.0</td>
<td>25°</td>
<td>1,285</td>
</tr>
<tr>
<td>IDC16-2180E</td>
<td>180.00</td>
<td>5,143</td>
<td>3,026</td>
<td>16,073</td>
<td>87%</td>
<td>7.10</td>
<td>1 @ 5, 1 @ 3</td>
<td>2 @ 65.0</td>
<td>443.7</td>
<td>25°</td>
<td>1,405</td>
</tr>
<tr>
<td>IDC16-2192E</td>
<td>192.00</td>
<td>5,352</td>
<td>3,148</td>
<td>17,840</td>
<td>87%</td>
<td>8.20</td>
<td>2 @ 5</td>
<td>2 @ 71.0</td>
<td>484.6</td>
<td>25°</td>
<td>1,470</td>
</tr>
</tbody>
</table>

### Sound level measured 10' (3m) from the unit in free field:
- 3, 5, 7½, (5 + 3) & (5 + 5) hp motor(s):
  - 68 dBA, 70 dBA, 71 dBA, 72 dBA & 73 dBA
<table>
<thead>
<tr>
<th>MODEL</th>
<th>kW (code)</th>
<th>Temp Rise °F</th>
<th>Qty @ HP</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC16-1060E</td>
<td>43 (0430)</td>
<td>25</td>
<td>1 @ 3</td>
<td>2</td>
<td>13.1/119.1</td>
<td>25/150</td>
</tr>
<tr>
<td>IDC16-1072E</td>
<td>50 (0500)</td>
<td>25</td>
<td>1 @ 3</td>
<td>2</td>
<td>13.1/138.8</td>
<td>25/175</td>
</tr>
<tr>
<td>IDC16-1084E</td>
<td>56 (0560)</td>
<td>26</td>
<td>1 @ 3</td>
<td>2</td>
<td>13.1/155.4</td>
<td>25/200</td>
</tr>
<tr>
<td>IDC16-1096E</td>
<td>71 (0710)</td>
<td>25</td>
<td>1 @ 5</td>
<td>2</td>
<td>17.0/197.1</td>
<td>35/250</td>
</tr>
<tr>
<td>IDC16-1108E</td>
<td>71 (0710)</td>
<td>23</td>
<td>1 @ 5</td>
<td>2</td>
<td>17.0/197.1</td>
<td>35/250</td>
</tr>
<tr>
<td>IDC16-1120E</td>
<td>100 (1000)</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>2</td>
<td>23.0/277.6</td>
<td>50/350</td>
</tr>
<tr>
<td>IDC16-1132E</td>
<td>2 @ 52</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>3</td>
<td>23.0/144.3/144.3</td>
<td>50/200/200</td>
</tr>
<tr>
<td>IDC16-1144E</td>
<td>2 @ 52</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>3</td>
<td>23.0/144.3/144.3</td>
<td>50/200/200</td>
</tr>
<tr>
<td>IDC16-1156E</td>
<td>2 @ 59</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>3</td>
<td>23.0/152.7/152.7</td>
<td>50/200/200</td>
</tr>
<tr>
<td>IDC16-2168E</td>
<td>2 @ 60.5</td>
<td>25</td>
<td>1 @ 3</td>
<td>3</td>
<td>30.1/167.9/167.9</td>
<td>50/225/225</td>
</tr>
<tr>
<td>IDC16-2180E</td>
<td>2 @ 85</td>
<td>25</td>
<td>1 @ 3</td>
<td>3</td>
<td>30.1/180.4/180.4</td>
<td>50/225/225</td>
</tr>
<tr>
<td>IDC16-2192E</td>
<td>2 @ 71</td>
<td>25</td>
<td>2 @ 5</td>
<td>3</td>
<td>34.0/197.1/197.1</td>
<td>60/350/350</td>
</tr>
</tbody>
</table>

**208/360 (voltage code D)**

**MOTOR AMP DRAW PER HP**

**SEPARATE MOTOR & HEATER(S) PANEL**

**MOtor Amp Draw Within HTR Panel**

**240/360 (voltage code E)**

**MOTOR AMP DRAW PER HP**

**SEPARATE MOTOR & HEATER(S) PANEL**

**MOtor Amp Draw Within HTR Panel**

---

Berner reserves the right to alter specifications without prior notice.

©Copyright, 2022 Berner International
<table>
<thead>
<tr>
<th>MODEL</th>
<th>kW (code)</th>
<th>Temp Rise °F</th>
<th>Qty @ HP</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT (including motor)</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC16-1060E</td>
<td>43 (0430)</td>
<td>25 1 @ 3</td>
<td>2</td>
<td>6.1/51.7</td>
<td>15/70</td>
<td>1</td>
<td>57.8</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>IDC16-1072E</td>
<td>50 (0500)</td>
<td>25 1 @ 3</td>
<td>2</td>
<td>6.1/60.1</td>
<td>15/100</td>
<td>1</td>
<td>66.2</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>IDC16-1084E</td>
<td>56 (0560)</td>
<td>26 1 @ 3</td>
<td>2</td>
<td>6.1/67.4</td>
<td>15/100</td>
<td>1</td>
<td>73.5</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>IDC16-1096E</td>
<td>71 (0710)</td>
<td>25 1 @ 5</td>
<td>2</td>
<td>7.9/85.4</td>
<td>20/125</td>
<td>1</td>
<td>93.3</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td>IDC16-1108E</td>
<td>71 (0710)</td>
<td>23 1 @ 5</td>
<td>2</td>
<td>7.9/85.4</td>
<td>20/125</td>
<td>1</td>
<td>93.3</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td>IDC16-1120E</td>
<td>100 (1000)</td>
<td>25 1 @ 7.5</td>
<td>2</td>
<td>11.0/120.3</td>
<td>25/150</td>
<td>1</td>
<td>131.3</td>
<td>175</td>
<td></td>
</tr>
<tr>
<td>IDC16-1132E</td>
<td>2 @ 52 (1040)</td>
<td>25 1 @ 7.5</td>
<td>3</td>
<td>11.0/62.5/62.5</td>
<td>25/100/100</td>
<td>2</td>
<td>73.5/62.5</td>
<td>100/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-1144E</td>
<td>2 @ 52 (1040)</td>
<td>25 1 @ 7.5</td>
<td>3</td>
<td>11.0/62.5/62.5</td>
<td>25/100/100</td>
<td>2</td>
<td>73.5/62.5</td>
<td>100/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-1156E</td>
<td>2 @ 55 (1100)</td>
<td>26 1 @ 7.5</td>
<td>3</td>
<td>11.0/66.2/66.2</td>
<td>25/100/100</td>
<td>2</td>
<td>77.2/66.2</td>
<td>100/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-2168E</td>
<td>2 @ 60.5 (1210)</td>
<td>25 1 @ 3</td>
<td>3</td>
<td>14.0/72.8/72.8</td>
<td>25/100/100</td>
<td>2</td>
<td>86.8/72.8</td>
<td>125/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-2180E</td>
<td>2 @ 65 (1300)</td>
<td>25 1 @ 3</td>
<td>3</td>
<td>14.0/78.2/78.2</td>
<td>25/100/100</td>
<td>2</td>
<td>92.2/78.2</td>
<td>125/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-2192E</td>
<td>2 @ 71 (1420)</td>
<td>25 2 @ 5</td>
<td>3</td>
<td>15.8/85.4/85.4</td>
<td>25/125/125</td>
<td>2</td>
<td>101.2/85.4</td>
<td>150/125</td>
<td></td>
</tr>
<tr>
<td>IDC16-2168E</td>
<td>2 @ 60.5 (1210)</td>
<td>25 1 @ 3</td>
<td>3</td>
<td>14.0/72.8/72.8</td>
<td>25/100/100</td>
<td>2</td>
<td>86.8/72.8</td>
<td>125/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-2180E</td>
<td>2 @ 65 (1300)</td>
<td>25 1 @ 3</td>
<td>3</td>
<td>14.0/78.2/78.2</td>
<td>25/100/100</td>
<td>2</td>
<td>92.2/78.2</td>
<td>125/100</td>
<td></td>
</tr>
<tr>
<td>IDC16-2192E</td>
<td>2 @ 71 (1420)</td>
<td>25 2 @ 5</td>
<td>3</td>
<td>15.8/85.4/85.4</td>
<td>25/125/125</td>
<td>2</td>
<td>101.2/85.4</td>
<td>150/125</td>
<td></td>
</tr>
</tbody>
</table>

Berner reserves the right to alter specifications without prior notice.
## INDUSTRIAL DIRECT DRIVE 16

### Electric Heated Air Curtain

**Electrical Performance Sheet**

**380/3/50 (voltage code T)**

**MOTOR AMP DRAW PER HP**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>kW (code)</th>
<th>Temp Rise °F</th>
<th>Qty @ HP</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT (including motor)</th>
<th>BREAKER RATING PER CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDC16-1060E</td>
<td>43 (0430)</td>
<td>25</td>
<td>1 @ 3</td>
<td>2</td>
<td>5.9/65.3</td>
<td>15/90</td>
<td>1</td>
<td>71.2/90</td>
<td>90</td>
</tr>
<tr>
<td>IDC16-1072E</td>
<td>50 (0500)</td>
<td>25</td>
<td>1 @ 3</td>
<td>2</td>
<td>5.9/76.0</td>
<td>15/100</td>
<td>1</td>
<td>81.9/100</td>
<td>125</td>
</tr>
<tr>
<td>IDC16-1084E</td>
<td>56 (0560)</td>
<td>26</td>
<td>1 @ 3</td>
<td>2</td>
<td>5.9/85.1</td>
<td>15/125</td>
<td>1</td>
<td>91.0/125</td>
<td>125</td>
</tr>
<tr>
<td>IDC16-1096E</td>
<td>71 (0710)</td>
<td>25</td>
<td>1 @ 5</td>
<td>2</td>
<td>7.7/107.9</td>
<td>20/150</td>
<td>1</td>
<td>115.6/150</td>
<td>150</td>
</tr>
<tr>
<td>IDC16-1108E</td>
<td>71 (0710)</td>
<td>23</td>
<td>1 @ 5</td>
<td>2</td>
<td>7.7/107.9</td>
<td>20/150</td>
<td>1</td>
<td>115.6/150</td>
<td>150</td>
</tr>
<tr>
<td>IDC16-1110E</td>
<td>100 (1000)</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>2</td>
<td>9.0/151.9</td>
<td>20/200</td>
<td>1</td>
<td>160.9/200</td>
<td>225</td>
</tr>
<tr>
<td>IDC16-1132E</td>
<td>2 @ 55 (1040)</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>3</td>
<td>9.0/79.0/79.0</td>
<td>20/100/100</td>
<td>2</td>
<td>88.0/79.0</td>
<td>125/100</td>
</tr>
<tr>
<td>IDC16-1144E</td>
<td>2 @ 52 (1040)</td>
<td>25</td>
<td>1 @ 7.5</td>
<td>3</td>
<td>9.0/79.0/79.0</td>
<td>20/100/100</td>
<td>2</td>
<td>88.0/79.0</td>
<td>125/100</td>
</tr>
<tr>
<td>IDC16-1156E</td>
<td>2 @ 55 (1100)</td>
<td>26</td>
<td>1 @ 7.5</td>
<td>3</td>
<td>9.0/83.6/83.6</td>
<td>20/125/125</td>
<td>2</td>
<td>92.6/83.6</td>
<td>125/125</td>
</tr>
<tr>
<td>IDC16-2168E</td>
<td>2 @ 60.5 (1210)</td>
<td>25</td>
<td>1 @ 3</td>
<td>3</td>
<td>13.6/91.9/91.9</td>
<td>20/125/125</td>
<td>2</td>
<td>105.5/91.9</td>
<td>150/125</td>
</tr>
<tr>
<td>IDC16-2180E</td>
<td>2 @ 65 (1300)</td>
<td>25</td>
<td>1 @ 3</td>
<td>3</td>
<td>13.6/98.8/98.8</td>
<td>20/125/125</td>
<td>2</td>
<td>112.4/98.8</td>
<td>150/125</td>
</tr>
<tr>
<td>IDC16-2192E</td>
<td>2 @ 71 (1420)</td>
<td>25</td>
<td>2 @ 5</td>
<td>3</td>
<td>15.4/107.9/107.9</td>
<td>25/150/150</td>
<td>2</td>
<td>123.3/107.9</td>
<td>175/150</td>
</tr>
</tbody>
</table>

©Copyright, 2022 Berner International