PERFORMANCE


Net Sensible Cooling [BTU/h] vs R.H. [\%] for different temperatures (65F, 70F, 75F, 80F).

Net Reheat [BTU/h] vs R.H. [\%] for different temperatures (65F, 70F, 75F, 80F).

<table>
<thead>
<tr>
<th>Performance</th>
<th>82DB / 50% R.H.</th>
<th>82DB / 60% R.H.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture Removal, LB/HR</td>
<td>28.1</td>
<td>36.0</td>
<td>1</td>
</tr>
<tr>
<td>Net Sensible Cooling, MBH</td>
<td>42.6</td>
<td>37.8</td>
<td>2</td>
</tr>
<tr>
<td>Net Reheat, MBH</td>
<td>46.5</td>
<td>55.7</td>
<td>3</td>
</tr>
<tr>
<td>Water Heating, MBH (Water Heating Models Only)</td>
<td>89.3</td>
<td>93.6</td>
<td>4</td>
</tr>
</tbody>
</table>

Notes:
1. Reheat mode assuming 1050 BTU/lb
2. Cooling mode with remote condenser at 95F.
3. Defined as sum of latent and compressor input. Use dehumidifier for supplemental heat only.
4. Assuming 85F entering water temperature.
5. For conditions and data not shown contact the factory.

CAUTIONS: The reheat capacity rating includes latent recovery and heat of compression. It is recommended that dehumidifier be used for supplemental heat only. The cooling capacity is based on an ambient temperature of 95°F. As outside conditions vary, so will the performance of the dehumidifier. Ratings are subject to change without notice.
DESIGN SPECIFICATIONS

<table>
<thead>
<tr>
<th>Electrical</th>
<th>208/230V</th>
<th>208/230V</th>
<th>460V</th>
<th>575V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase/Hz</td>
<td>1/60</td>
<td>3/60</td>
<td>3/60</td>
<td>3/60</td>
</tr>
<tr>
<td>Compressor B.T.U.</td>
<td>72,000</td>
<td>72,000</td>
<td>72,000</td>
<td>71,700</td>
</tr>
<tr>
<td>Compressor RLA</td>
<td>36.9</td>
<td>23.2</td>
<td>11.2</td>
<td>7.9</td>
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<tr>
<td>Compressor LRA</td>
<td>185</td>
<td>164</td>
<td>75</td>
<td>54</td>
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<tr>
<td>Blower Motor HP</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Blower Motor FLA</td>
<td>6.5</td>
<td>4.8</td>
<td>2.4</td>
<td>1.9</td>
</tr>
<tr>
<td>Unit FLA</td>
<td>44.9</td>
<td>29.5</td>
<td>14.4</td>
<td>10.5</td>
</tr>
<tr>
<td>Maximum Fuse Size</td>
<td>75</td>
<td>50</td>
<td>25</td>
<td>17.5</td>
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<tr>
<td>Minimum Circuit Amp.</td>
<td>54.2</td>
<td>35.3</td>
<td>17.2</td>
<td>12.5</td>
</tr>
<tr>
<td>Operating KW</td>
<td>7.04</td>
<td>7.01</td>
<td>7.01</td>
<td>6.91</td>
</tr>
</tbody>
</table>

CFM ................................................................. 3000
External Static Pressure ........ 0.50” H2O
Refrigerant ...................... R-410A (Factory Charged 40 lbs.)
Compressor Type ...................... Scroll
DCA 3000A Filter (Quantity: 2) ... 20” x 25” x 1” Fiberglass
DCA 3000AWH Filter (Quantity: 4) ... 20” x 25” x 1” Fiberglass
Drain Connection ................. 1” Bar Drain
DCA 3000A Weight .................. 750 lbs.
DCA 3000AWH Weight ............... 950 lbs.

Liquid Inlet [inches O.D.] (up to 50’)^1 ........................................ 0.625
Hot Gas Outlet [inches O.D.] (up to 50’)^1 ........................................ 0.875
Water Inlet [inches O.D.] ............. 1.125
Water Outlet [inches O.D.] ............ 1.125
Water Flow G.P.M.^2 ................. 13.0
Pressure Drop (Ft. WC)^2 ............ 10.5

^1 Over 50ft contact factory
^2 Water Flow data based on 60% RH + Return Air 82°F and Pool Water at 85°F

STANDARD FEATURES

- MET Laboratory Safety Listed To UL 1995
- 3 Year Part Warranty
- Single Refrigeration Circuit
- Single Scroll Compressor
- Powder Coated, Galvannealed Steel Cabinet
- Low Ambient Head Pressure Control
- Remote Condenser Ready
- Rifle Tube Refrigeration Coils
- TEFC Blower Motor
- Stainless Steel Condensate Drain Pan
- Standard Microprocessor Control System (WH Models Only)
- ElectroFin Coated Coils

OPTIONAL FEATURES

- Right Side Component Service Access
- Top or Bottom Discharge (Not Field Convertible)
- Extended Surface Filters 2” & 4”
- Outdoor Installation Package
- Motorized Evaporator Bypass Damper
- Outdoor Make Up Air Assembly with Damper & Filter
- Defrost Timer Package
- External Static Upgrade
- Control Options
- Space Heating Options Available
- Other Options Available
- Water Cooled Condenser For Water Heating Or A/C Available

DCA DEHUMIDIFIER CORPORATION OF AMERICA

www.dehumidifiercorp.com