Low Profile, High Capacity, High Efficiency Evaporative Cooling
24,000 to 26,000 CFM Industry Standard Rating

Features

• “Low profile” (only 47.25” high)
• Factory tested and shipped ready to operate, including factory wired components
• ETL Listed and labeled in accordance with U.L. standards
• Copper-wound, heavy duty ball bearing motors
• One high capacity pump provides complete media saturation
• Self-aligning, heavy duty, greaseable, pillow block, ball type fan bearings
• Fan performance is factory set to job specific specifications
• Premium 8” thick cross fluted 80% efficient media
• Lifting sky hooks

• The most up-to-date propeller type axial fan affords maximum air delivery while minimizing horsepower
• Heavy gauge, hot dipped galvanized steel construction
• Epoxy powder base paint finish baked on at 375°
• Rugged cabinet assembly with double thick steel corners
• “Rain-Tight” pitched top construction (1/4”/12”)
• Easily accessible external distributor clean-outs
• Side access media removal
• Adjustable motor sheave for air flow adjustment

Available Options

• Class II, U.L. 900 media
• Prewired control packages
• Distribution flush system
• Freeze protection
• Hinged access door
• Self-tensioning belt
• Installation accessories
• Fused and non-fused disconnects

Resources Available for This Product

• Catalog By Mail
• Catalog Online

Tests Performed In Accordance with AMCA Standards

Patent #4774030 or other patents pending

United Metal Products
1920 E Broadway Road Tempe, AZ 85282
T 480.968.9550
F 480.968.9555
www.unitedmetal.com

Information subject to change. Updates available online.
FanAir/UMP-739/PO/v1.4 - January 2015
## AMCA LICENSED AIR DELIVERY IN CUBIC FEET PER MINUTE

<table>
<thead>
<tr>
<th>Model</th>
<th>Industry Standard Rating</th>
<th>Inlet Type</th>
<th>AMCA LICENSED AIR DELIVERY IN CUBIC FEET PER MINUTE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Louvered</td>
<td>19,393 CFM 497 RPM 0.1 in. static pressure</td>
</tr>
<tr>
<td>UMP-739 Down</td>
<td></td>
<td>Wire Grill</td>
<td>22,000 CFM 500 RPM 0.1 in. static pressure</td>
</tr>
</tbody>
</table>

### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Fan Motor</th>
<th>Pump</th>
<th>FAN UNIT</th>
<th>Evaporative Media</th>
<th>Weights (Lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 HP</td>
<td>820</td>
<td>48&quot; 900</td>
<td>Type B: Free Inlet</td>
<td>695, 1,000</td>
</tr>
<tr>
<td>10 - 8&quot; x 12&quot; x 39&quot;</td>
<td>706, 1,011</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Fan Air®

**Manufacturer of Quality Air Moving Equipment**

* Performance rating include the effects of the evaporative media, inlet device (louver or grill), motor and drives in the airstream.

* Performance certified is for installation Type B: Free Inlet, Ducted Outlet

* Power rating (BHP) does not include transmission losses.

The 700 series fan type evaporative coolers are only designed for straight down ducted applications. External static pressure ranges of 0.0" to 0.2". Higher ESP are only shown to demonstrate fan characteristics and performance with loaded media. For ducted applications with external static pressures exceeding 0.2" a UMP - 900 series blower model is recommended.

Only motors 1 HP or less are provided with integral thermal protection. Motors 1.5 HP or greater require a separate motor overload device. Amperage ratings shown are NEC at nominal HP. Usable at 208v. Consult factory for overload and control options.

Weights are in pounds and include motors, pumps and drives. Operating weights include saturated media and assumes 2.5"depth of water in sump. Weights exclude optional accessories such as curb, diffuser and controls.

Minimum duct sizing should equal discharge dimension. Evaporative cooling is an adiabatic process. Possibility of water damage may exist. Special consideration must be taken when utilizing an evaporative cooler. Consult factory for special applications.

230v pumps are available; contact UMP for details.

Model of UMP-739 is available with either an inlet louver or inlet grill. An inlet louver is recommended to protect the evaporative media from outdoor elements such as UV exposure, birds & storm damage. An inlet grill may be used in applications where a greater air volume is required but may shorten media life.

United Metal Products certifies that the Fan Air® unit shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.
### UMP-739 Optional Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Material / Finish</th>
<th>Roof Opening</th>
<th>Weight in Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMP-739 Adj. Curb</td>
<td>7220-52</td>
<td>18 ga galv.</td>
<td>52” x 52”</td>
<td>68</td>
</tr>
<tr>
<td>Curb Tie-Down Kit</td>
<td>12434</td>
<td>16 ga painted galv.</td>
<td>--</td>
<td>4</td>
</tr>
</tbody>
</table>

**Description**
- UFG51 Grill
- UFD51-2 Grill Diffuser
- A5151 Auto Damper Diff.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Material / Finish</th>
<th>Roof Opening</th>
<th>Weight in Lbs.</th>
<th>Pressure Drop @ 1,200 FPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Height Application</td>
<td>16’ and above</td>
<td>12’ to 16’</td>
<td>12’ to 16’</td>
<td>17</td>
<td>.02”</td>
</tr>
<tr>
<td>Part #</td>
<td>10605</td>
<td>80285</td>
<td>20036</td>
<td>34</td>
<td>.07”</td>
</tr>
<tr>
<td>Pressure Drop @ 1,200 FPM</td>
<td></td>
<td></td>
<td></td>
<td>72</td>
<td>.10”</td>
</tr>
<tr>
<td>Material / Finish</td>
<td>CRS Grill / Gray</td>
<td>CRS Grill + Galv. Blades / Beige</td>
<td>CRS Grill + Aluminum / Gray</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CAUTION** - Guards must be installed when fan is delivering air over an occupied space, or when deemed advisable for safety. UMP diffusers feature a “safety guard” design. FAN-AIR coolers will not be provided without a diffuser or grille.