Low Profile, High Capacity, High Efficiency Evaporative Cooling
10,000 to 14,000 CFM Industry Standard Rating

Features
- "Low profile" (only 32.25" 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, Hybralume™ construction
- Epoxy powder base paint finish baked on at 375° on key components
- Rugged cabinet assembly with double thick Hybralume™ 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
- Plastiliner™ coated reservoir

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

Patent #4774030 or other patents pending

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Information subject to change. Updates available online.
FanAir/UMP-724-HL/PO/v1.4 - January 2015
Evaporative Cooling
Fan-Air®
Manufacturer of Quality Air Moving Equipment
MADE in the USA
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<table>
<thead>
<tr>
<th>Model</th>
<th>AMCA LICENSED AIR DELIVERY IN CUBIC FEET PER MINUTE</th>
<th>ELECTRICAL SPECIFICATIONS</th>
<th>FAN UNIT</th>
<th>Evaporative Media</th>
<th>Weights (Lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches Static Pressure (W.G.)</td>
<td>Fan Motor</td>
<td>Pump</td>
<td>Fan</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0.1</td>
<td>0.2</td>
<td>0.3</td>
<td>0.4</td>
</tr>
<tr>
<td>UMP-724-HL Down</td>
<td>10,000</td>
<td>6,827</td>
<td>5,769</td>
<td>4,626</td>
<td>2,925</td>
</tr>
<tr>
<td></td>
<td>12,000</td>
<td>7,869</td>
<td>6,946</td>
<td>6,000</td>
<td>4,946</td>
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<td></td>
<td>13,000</td>
<td>8,988</td>
<td>8,188</td>
<td>7,345</td>
<td>6,499</td>
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<tr>
<td></td>
<td>14,000</td>
<td>9,895</td>
<td>9,095</td>
<td>8,400</td>
<td>7,669</td>
</tr>
</tbody>
</table>

* Performance rating is at max BHP and includes the effects of the evaporative media, inlet louver, 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 be 33” x 33” (see accessories drawing for details). 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.

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.

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FanAir/UMP-724-HL/DIM/v1.4 - January 2015

* Auxiliary drain utilized only with optional freeze protection or distribution flush system. Consult factory for special applications.
* 7/8” Electrical service entrance for 1/2” conduit.
* 3/8” Compression fitting connection made inside unit. Minimum 15 g.p.m. water pressure is recommended to deliver the volume needed to meet high summer evaporation and bleed requirements. Do not exceed 125 p.s.i.
* 3/4” Male hose thread.

Fan-Air® Evaporative Cooling
UMP-724-HL 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-724 Adj. Curb</td>
<td>7220-34</td>
<td>18 ga galv.</td>
<td>34&quot; x 34&quot;</td>
<td>45</td>
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<tr>
<td>Industrial Leg Kit</td>
<td>11975</td>
<td>0.08&quot; Aluminum</td>
<td>--</td>
<td>4</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.

**Description**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Material / Finish</th>
<th>Roof Opening</th>
<th>Weight in Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>80700</td>
<td>CRS Grill / Gray</td>
<td>16' and above</td>
<td>9</td>
</tr>
<tr>
<td>80701</td>
<td>CRS Grill + Galv. Blades / Beige</td>
<td>12' to 16'</td>
<td>22</td>
</tr>
<tr>
<td>80702</td>
<td>CRS Grill + Aluminum / Gray</td>
<td>12' to 16'</td>
<td>36</td>
</tr>
</tbody>
</table>

**Pressure Drop @ 1,200 FPM**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Pressure Drop @ 1,200 FPM</th>
<th>Material / Finish</th>
<th>Weight in Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>80700</td>
<td>.02&quot;</td>
<td>CRS Grill / Gray</td>
<td>9</td>
</tr>
<tr>
<td>80701</td>
<td>.07&quot;</td>
<td>CRS Grill + Galv. Blades / Beige</td>
<td>22</td>
</tr>
<tr>
<td>80702</td>
<td>.10&quot;</td>
<td>CRS Grill + Aluminum / Gray</td>
<td>36</td>
</tr>
</tbody>
</table>

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