Evaporative Cooling
Fan-Air®
Manufacturer of Quality Air Moving Equipment
MADE
in the
USA
Information subject to change. Updates available online.

Low Profile, Commercial / Industrial Evaporative Cooling
16,500 to 24,500 CFM Industry Standard Rating

Features
• “Low profile” (only 47.25” high)
• External static pressure range of 0.0” to 1.2” W.G.
• 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 with 8” deep media. Two pumps are used with 12” deep media.
• Self-aligning, heavy duty, greaseable, pillow block, ball type fan bearings
• Premium 8” or 12” thick cross fluted media for 80% to 90% evaporative efficiency
• Lifting sky hooks
• 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
• Epoxy painted G-90 galvanized steel reservoir

Available Options
• U.L. 900 media
• Prewired control packages
• Distribution flush system
• Freeze protection
• Hinged access door
• 2” Pre-filters
• 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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www.unitedmetal.com

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FanAir/UMP-939/PO/04-30-2016
**Evaporative Cooling**

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### Air Delivery in Cubic Feet Per Minute

<table>
<thead>
<tr>
<th>HP</th>
<th>0 in. Static Pressure (W.G.)</th>
<th>0.1 in. Static Pressure (W.G.)</th>
<th>0.2 in. Static Pressure (W.G.)</th>
<th>0.3 in. Static Pressure (W.G.)</th>
<th>0.4 in. Static Pressure (W.G.)</th>
<th>0.5 in. Static Pressure (W.G.)</th>
<th>0.6 in. Static Pressure (W.G.)</th>
<th>0.7 in. Static Pressure (W.G.)</th>
<th>0.8 in. Static Pressure (W.G.)</th>
<th>0.9 in. Static Pressure (W.G.)</th>
<th>1.0 in. Static Pressure (W.G.)</th>
<th>1.1 in. Static Pressure (W.G.)</th>
<th>1.2 in. Static Pressure (W.G.)</th>
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<tbody>
<tr>
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<td>CFM</td>
<td>RPM</td>
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<td>16,500</td>
<td>8'</td>
<td>80%</td>
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<td></td>
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<td>12'</td>
<td>90%</td>
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### Electrical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan Motor</th>
<th>Pump</th>
<th>Evaporative Media</th>
<th>Weights (Lbs)</th>
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<tbody>
<tr>
<td>UMP-939</td>
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<tr>
<td>Up (U) Side (S) Down (D)</td>
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<tr>
<td>HP</td>
<td>Max BHP</td>
<td>Volts/Phase</td>
<td>GPH @ S</td>
<td>Dia. x Depth x Width x Height</td>
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<tr>
<td>2</td>
<td>2.3</td>
<td>24.0/13.2/12.0</td>
<td>T. of 208/230</td>
<td>10 - 8' x 12' x 39'</td>
</tr>
<tr>
<td>2</td>
<td>2.3</td>
<td>24.0/13.2/12.0</td>
<td>T. of 208/230</td>
<td>10 - 12' x 12' x 39'</td>
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<tr>
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<td>3.45</td>
<td>18.7/17.0</td>
<td>T. of 208/230</td>
<td>10 - 8' x 12' x 39'</td>
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<tr>
<td>5</td>
<td>5.75</td>
<td>16.7/15.2/7.6</td>
<td>T. of 208/230</td>
<td>10 - 8' x 12' x 39'</td>
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<td>5.75</td>
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<td>7/1</td>
<td>8.63</td>
<td>24.2/22.0/11.0</td>
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</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.
* Fan performance shown is based on tests made in accordance with AMCA 210-85, installation Type B; free inlet, ducted outlet.
* Power rating (BHP) does not include drive losses.
1. Auxiliary drain utilized only with optional freeze protection or distribution flush system. Consult factory for special applications.
2. 7/8" Electrical service entrance for 1/2" conduit.
3. 3/8" Compression fitting connection made inside unit. Minimum 40 p.s.i. water pressure is recommended to deliver the volume needed to meet high summer evaporation and bleed requirements. Do not exceed 125 p.s.i.
4. 3/4" Male hose thread.
5. (1) pump is used with 9" deep media. (2) pumps are used with 12" deep media.