Low Profile, High Capacity, High Efficiency Evaporative Cooling
14,000 to 21,000 CFM Industry Standard Rating

**Features**

- “Low profile” (only 38.25” 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**

**United Metal Products**
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www.unitedmetal.com

Information subject to change. Updates available online.
FanAir/UMP-730-HL/PO/v1.4 - January 2015
AMCA LICENSED AIR DELIVERY IN CUBIC FEET PER MINUTE

<table>
<thead>
<tr>
<th>Inlet Type</th>
<th>Industry Standard Rating</th>
<th>Model #</th>
<th>CFM</th>
<th>RPM</th>
<th>CFM</th>
<th>RPM</th>
<th>CFM</th>
<th>RPM</th>
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<th>RPM</th>
<th>CFM</th>
<th>RPM</th>
<th>CFM</th>
<th>RPM</th>
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<tbody>
<tr>
<td>Louvered</td>
<td>14,000</td>
<td>UMP-730-HL Down</td>
<td>11,071</td>
<td>404</td>
<td>9,343</td>
<td>405</td>
<td>7,364</td>
<td>409</td>
<td>4,778</td>
<td>398</td>
<td>3/4</td>
<td>0.86</td>
<td>13.8</td>
<td>7.6</td>
<td>6.9</td>
<td>3.5</td>
<td>3.2</td>
<td>2.1</td>
</tr>
<tr>
<td>Wire Grill</td>
<td>16,000</td>
<td>UMP-730-HL Down</td>
<td>12,975</td>
<td>408</td>
<td>10,930</td>
<td>405</td>
<td>8,525</td>
<td>409</td>
<td>5,650</td>
<td>403</td>
<td>3/4</td>
<td>0.86</td>
<td>13.8</td>
<td>7.6</td>
<td>6.9</td>
<td>3.5</td>
<td>3.2</td>
<td>2.1</td>
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<tr>
<td>Louvered</td>
<td>18,000</td>
<td>UMP-730-HL Down</td>
<td>13,275</td>
<td>445</td>
<td>10,656</td>
<td>446</td>
<td>8,929</td>
<td>450</td>
<td>6,422</td>
<td>449</td>
<td>1</td>
<td>1.15</td>
<td>16.0</td>
<td>8.8</td>
<td>8.0</td>
<td>4.6</td>
<td>4.2</td>
<td>2.1</td>
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<tr>
<td>Wire Grill</td>
<td>21,000</td>
<td>UMP-730-HL Down</td>
<td>14,236</td>
<td>449</td>
<td>12,438</td>
<td>445</td>
<td>10,292</td>
<td>447</td>
<td>7,876</td>
<td>452</td>
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<td>1.15</td>
<td>16.0</td>
<td>8.8</td>
<td>8.0</td>
<td>4.6</td>
<td>4.2</td>
<td>2.1</td>
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</tbody>
</table>

* Performance rating include the effects of the evaporative media, inlet device (louver or grill), motor and drives in the airstream.
* Performance certified for installation Type B: Free Inlet, Ducted Outlet
* Power rating (BHP) does not include transmission losses.
* Performance rating include the effects of the evaporative media, inlet device (louver or grill), motor and drives in the airstream.
* Maximum 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.

ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Volts/Phase</th>
<th>115/208/230</th>
<th>208/230/460</th>
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</thead>
<tbody>
<tr>
<td>HP</td>
<td>Volts/Phase</td>
<td>amps</td>
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<tr>
<td>1.00</td>
<td>30</td>
<td>2.3</td>
</tr>
<tr>
<td>2.00</td>
<td>40</td>
<td>2.3</td>
</tr>
<tr>
<td>3.00</td>
<td>60</td>
<td>2.3</td>
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</tbody>
</table>

FAN UNIT

**Evaporative Media**

- 7/8" Electrical service entrance for 1/2" conduit.
- 3/8" Compression fitting connection made inside unit. Minimum 30 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.
- 5/8" Male hose thread.

**Weights**

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

**Shipping**

- Shipments include motors, pumps and drives.
- Weights are in pounds and include motors, pumps and drives. Operating weights include saturated media and assumes 2.5" depth of water in sump.

**Operate**

- Auxiliary drain utilized only with optional freeze protection or distribution flush system. Consult factory for special applications.
- Only motors 1.5 HP or greater require a separate motor overload protection device.
# UMP-730-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-730 Adj. Curb</td>
<td>7220-46</td>
<td>18 ga galv.</td>
<td>46&quot; x 46&quot;</td>
<td>60</td>
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<tr>
<td>Curb Tie-Down Kit</td>
<td>12434</td>
<td>16 ga painted galv.</td>
<td>--</td>
<td>4</td>
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</tbody>
</table>

**DISCLAIMER:**
- 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**
- UFG45 Grill
- UFD45-2 Grill Diffuser
- A4545 Auto Damper Diff.

<table>
<thead>
<tr>
<th>Discharge Height Application</th>
<th>Part #</th>
<th>Pressure Drop @ 1,200 FPM</th>
<th>Material / Finish</th>
<th>Weight in Lbs.</th>
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</thead>
<tbody>
<tr>
<td>16' and above</td>
<td>10604</td>
<td>.02&quot;</td>
<td>CRS Grill / Gray</td>
<td>14</td>
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<tr>
<td>12' to 16'</td>
<td>80284</td>
<td>.07&quot;</td>
<td>CRS Grill + Galv. Blades / Beige</td>
<td>29</td>
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<tr>
<td>12' to 16'</td>
<td>20038</td>
<td>.10&quot;</td>
<td>CRS Grill + Aluminum / Gray</td>
<td>59</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.