

- **700 Series** - "Low Profile"
- **UMP-739**
-Down Discharge



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
- 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 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

- 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

United Metal Products

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| Model | Industry Standard Rating | Inlet Type ⑤ | AMCA LICENSED AIR DELIVERY IN CUBIC FEET PER MINUTE | | | | | | | | ELECTRICAL SPECIFICATIONS | | | | | | FAN UNIT | | Evaporative Media | Weights (Lbs) ③ | | | |
|-----------------|--------------------------|--------------|---|-----|--------|-----|--------|-----|--------|-----|---------------------------|-----|----|---------|--|--|---------------------|---------------------------------------|-------------------|------------------------------|---------------------|---------|---------|
| | | | Inches Static Pressure (W.G.) ① | | | | | | | | Fan Motor ② | | | | Pump ④ | | Fan | | | Qty. -Depth x Width x Height | Shipping | Operate | |
| | | | 0 | | 0.1 | | 0.2 | | 0.3 | | 0.4 | | HP | Max BHP | Volt/Phase 115/208/230 1-Phase Amps | Volt/Phase 208/230/460 3-Phase Amps | GPM @ 5' Head | Volt/Phase 115/ 1-Phase Amps | Dia. | | | | Max RPM |
| UMP-739 Down | 24,000 | Louvered | 19,393 | 497 | 17,803 | 496 | 16,130 | 494 | 14,163 | 496 | 11,883 | 502 | 2 | 2.3 | 24.0/13.2/12.0 | 7.5/6.8/3.4 | 13.7 | 2.3 | 48" | 900 | 10 - 8" x 12" x 39" | 695 | 1,000 |
| | | Wire Grill | 22,000 | 500 | 20,395 | 498 | 18,518 | 496 | 16,383 | 495 | 13,953 | 497 | 2 | 2.3 | 24.0/13.2/12.0 | 7.5/6.8/3.4 | 13.7 | 2.3 | 48" | 900 | 10 - 8" x 12" x 39" | 682 | 987 |
| | 26,000 | Louvered | 21,760 | 559 | 20,386 | 557 | 19,034 | 558 | 17,833 | 565 | 16,202 | 568 | 3 | 3.45 | -- /18.7/17.0 | 10.6/9.6/4.8 | 13.7 | 2.3 | 48" | 900 | 10 - 8" x 12" x 39" | 706 | 1,011 |

* 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

- ① 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. For ducted applications with external static pressures exceeding 0.2" a UMP - 900 series blower model is recommended. 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.
- ② 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. Consult factory for overload and control options.
- ③ 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.
- ④ 230v pumps are available; contact UMP for details.
- ⑤ Model #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.

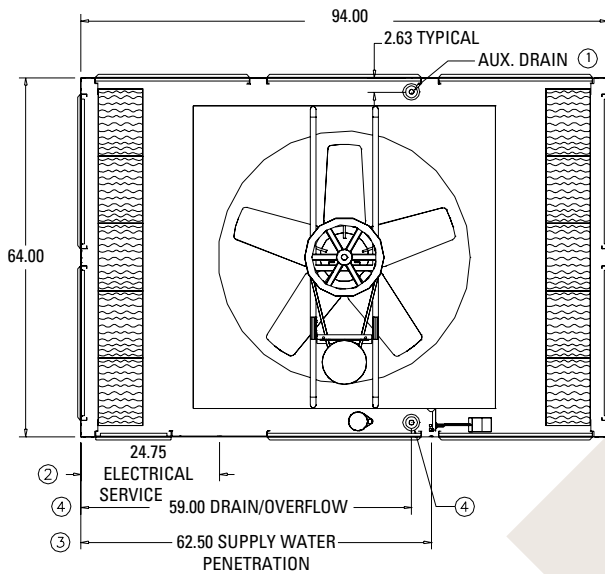


United Metal Products certifies that the Fan Air™ unit shown hereon is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

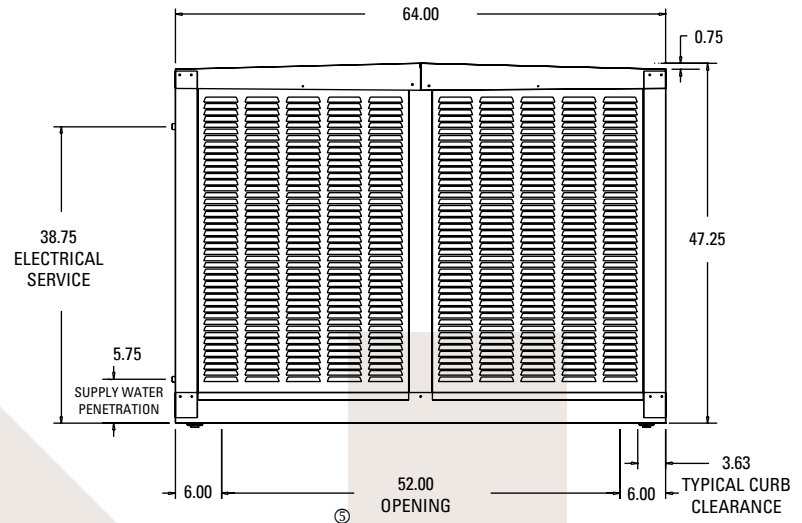


UMP-739

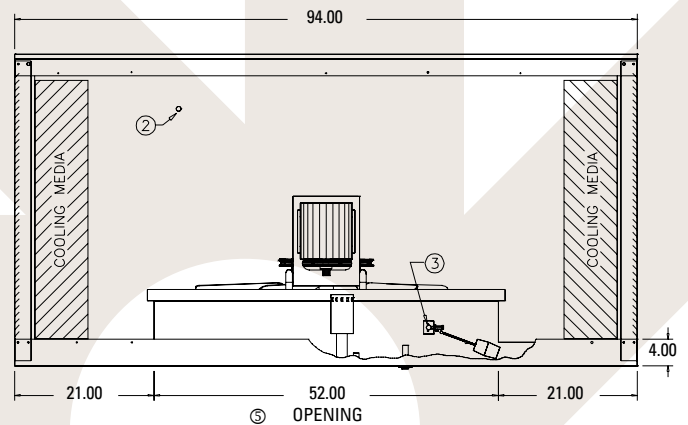
Top View



End View



Side View



- ① **Auxiliary Drain** - (3/4" male hose thread) - Consult factory for special applications.
 - A. **Distributor Flush System** - May be externally plumbed (by others). The installer has the option to run the flush line internally to the overflow tube or secure the flushline back into the sump. If the installer chooses to run the flush line internally to the auxiliary drain then it will be necessary to externally plumb the auxiliary drain.
 - B. **Freeze Kit** - Must be externally plumbed (by others) when utilizing optional Freeze Kit. Note: When the optional Freeze Kit is used in conjunction with the optional Flush Kit, the flush line will be factory mounted into the sump only.
- ② **Electrical Service** - 7/8" entrance for 1/2" conduit.
- ③ **Float** - 3/8" Compression fitting connection made inside unit. Minimum 15 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 **Primary Drain / Overflow** - (3/4" male hose thread) must be externally plumbed (by others).
- ⑤ **Duct Size** - Recommended duct size 51" x 51".