

Low Profile, Commercial / Industrial Evaporative Cooling 9,500 to 12,500 CFM Industry Standard Rating

Features

- "Low profile" (only 47.00" 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
- Self-aligning, heavy duty, greaseable, pillow block, ball type fan bearings
- Fan performance is factory set to job specific specifications
- Lifting sky hooks
- Premium 8" or 12" thick cross fluted media for 80% to 90% evaporative efficiency
- 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

• 800 Series - "Low Profile"

• UMP-839

- Up Discharge
- Side Discharge
- Down Discharge

Available Options

- Class II, U.L. 900 media
- Pre-wired 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



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Model #	Industry Standard Rating	Media Depth	Eff. @ 500 FPM	HP	AIR DELIVERY IN CUBIC FEET PER MINUTE (CFM)																											
					Inches Static Pressure (W.G.) ①																											
					0.0		0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		1.1		1.2			
					CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM
UMP-839	9,500	8"	80%	1	6,120	371	5,830	393	5,560	411	5,320	431	5,030	456	4,820	475	4,530	501	4,300	522	4,010	549	3,720	576								
		12"	90%	1	5,980	379	5,690	402	5,440	421	5,230	438	4,920	464	4,930	482	4,440	509	4,190	530	3,900	557										
	10,500	8"	80%	1 1/2	7,030	423	6,760	442	6,550	457	6,290	478	6,100	493	5,830	515	5,620	533	5,410	552	5,160	575	4,970	591	4,730	614	4,530	633	4,280	657		
		12"	90%	1 1/2	6,880	434	6,600	453	6,420	468	6,170	489	5,990	502	5,730	524	5,520	543	5,340	559	5,090	582	4,900	598	4,670	621	4,460	640				
	11,500	8"	80%	2	7,700	467	7,480	484	7,300	496	7,060	515	6,890	528	6,660	548	6,450	564	6,290	578	6,060	599	5,860	616	5,630	637	5,450	653	5,220	675		
		12"	90%	2	7,550	479	7,310	497	7,160	507	6,920	526	6,750	540	6,500	560	6,340	574	6,190	586	5,970	607	5,780	624	5,550	645	5,370	660	5,150	681		
	12,500	8"	80%	3	8,790	537	8,590	552	8,430	562	8,300	572	8,090	588	7,980	598	7,760	615	7,620	627	7,400	645	7,310	652	7,050	675	6,840	693	6,680	708		
		12"	90%	3	8,600	550	8,390	566	8,270	575	8,160	583	7,950	600	7,830	610	7,620	627	7,480	638	7,270	655	7,070	673	6,930	686	6,720	704	6,580	717		

Model #	ELECTRICAL SPECIFICATIONS						BLOWER UNIT		EVAPORATIVE MEDIA	WEIGHTS ③	
	Fan Motor ②			Pump			Diameter	Type	Qty.-Depth x Width x Height	Shipping	Operate
	HP	Max BHP	Volt/Phase 115/208/230 1-Phase Amps	Volt/Phase 208/230/460 3-Phase Amps	GPH@ 5' Head	Volt/Phase 115 1-Phase Amps					
UMP-839	1	1.15	13.0 / 6.3 / 6.5	3.6 / 3.8 / 1.9	450	1.7	18" x 18"	DWDI-FC	5-8" x 12" x 39"	470	595
	1	1.15	13.0 / 6.3 / 6.5	3.6 / 3.8 / 1.9	820	2.3	18" x 18"	DWDI-FC	5-12" x 12" x 39"	492	629
	1 1/2	1.73	18.0 / 9.5 / 9.0	4.5 / 4.2 / 2.1	450	1.7	18" x 18"	DWDI-FC	5-8" x 12" x 39"	483	608
	1 1/2	1.73	18.0 / 9.5 / 9.0	4.5 / 4.2 / 2.1	820	2.3	18" x 18"	DWDI-FC	5-12" x 12" x 39"	505	642
	2	2.3	24.0 / 12.6 / 12.0	5.9 / 5.6 / 2.8	450	1.7	18" x 18"	DWDI-FC	5-8" x 12" x 39"	506	631
	2	2.3	24.0 / 12.6 / 12.0	5.9 / 5.6 / 2.8	820	2.3	18" x 18"	DWDI-FC	5-12" x 12" x 39"	528	665
	3	3.45	32.0 / 16.8 / 16.0	8.7 / 8.0 / 4.0	450	1.7	18" x 18"	DWDI-FC	5-8" x 12" x 39"	518	643
	3	3.45	32.0 / 16.8 / 16.0	8.7 / 8.0 / 4.0	820	2.3	18" x 18"	DWDI-FC	5-12" x 12" x 39"	540	667

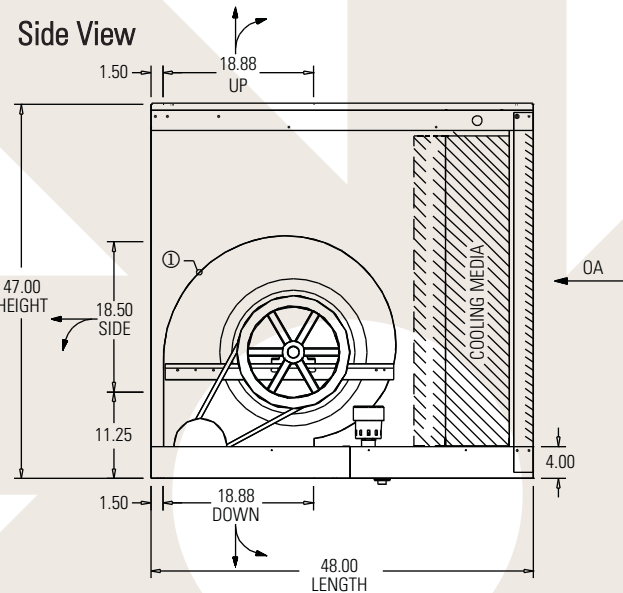
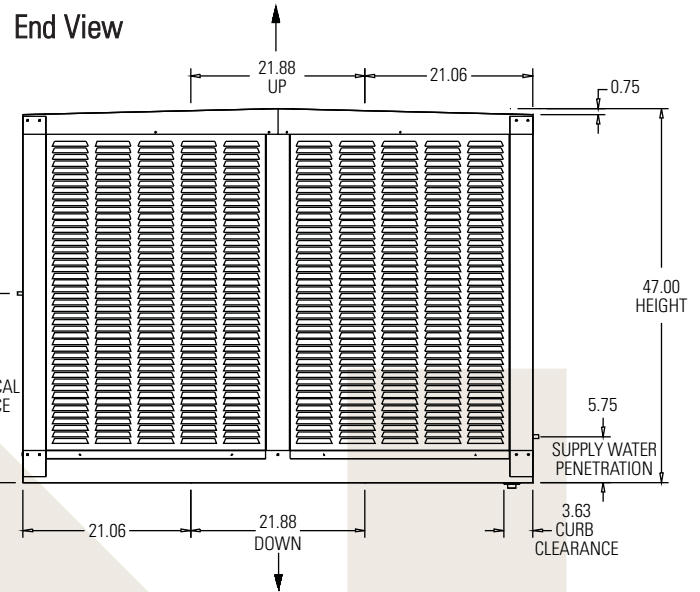
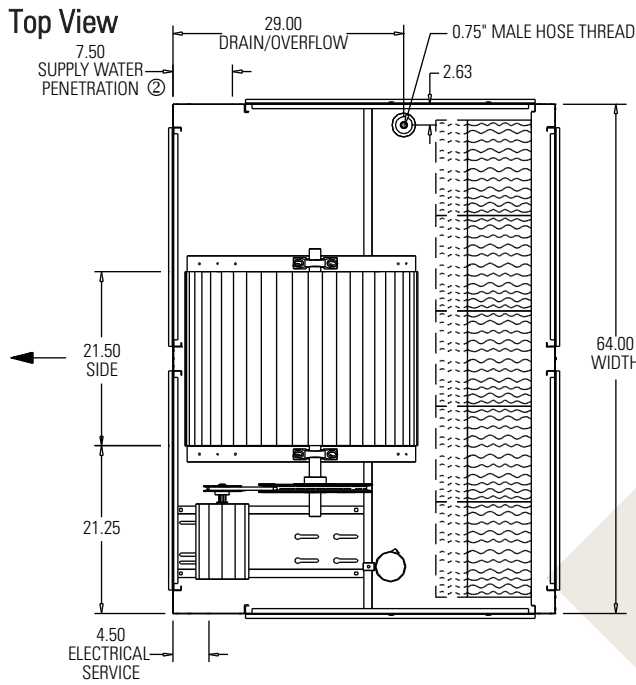
- ① UMP-800 series, blower type evaporative coolers are designed for ducted applications with external static pressure ranges of 0.0" through 1.2". For straight down ducted low static applications with external static pressure ranges of 0.0" to 0.2" a UMP-700 series propeller type axial fan model may be recommended.
- ② Only motors with 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 is nameplate data. Consult factory for overload and control options.
- ③ Weights are in pounds and include motors, pumps and drives. Operating weights include saturated media and assume 2.5" depth of water in sump. Weights exclude optional accessories such as curbs, diffusers and controls.

* Performance ratings include 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.





UMP-839



① 7/8" Electrical service entrance
(NOTE: When the unit is supplied with an Integral Single Point Power Connection / Control Panel the electrical service entrance will be on the opposite side of the unit - above the supply water penetration)

② 3/8" Compression fitting connection made inside unit.

NOTE: Minimum 50 p.s.i. of water pressure required for float.