

**Low Profile, Commercial / Industrial Evaporative Cooling
16,500 to 24,500 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

• 900 Series - "Low Profile"

• UMP-939

- 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.) ❶																											
					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		
UMP-939	16,500	8"	80%	2	13,320	260	12,720	276	12,250	286	11,610	301	11,120	312	10,570	324	9,910	341	9,300	354												
		12"	90%	2	13,000	268	12,320	283	11,960	292	11,340	306	10,820	318	10,340	329	9,630	346	9,000	361												
	18,500	8"	80%	3	15,170	300	14,760	309	14,210	322	13,810	331	13,270	344	12,830	354	12,250	367	11,870	376	11,400	388	10,650	405								
		12"	90%	3	14,800	309	14,400	317	13,870	330	13,490	339	12,960	351	12,570	360	11,970	374	11,650	382	11,080	395	10,360	412								
	22,500	8"	80%	5	18,060	354	17,570	365	17,230	373	16,750	384	16,470	390	16,020	401	15,740	407	15,300	418	14,940	426	14,470	437	14,140	445	13,620	457	13,140	468		
		12"	90%	5	17,600	364	17,140	375	16,840	382	16,370	393	16,150	398	15,700	409	15,400	415	14,940	426	14,690	432	14,170	444	13,850	452	13,270	465	12,840	475		
	24,500	8"	80%	7 1/2	19,400	383	19,400	399	19,400	414	19,400	428	19,180	440	18,950	445	18,540	454	18,290	460	17,920	469	17,490	479	17,240	485	16,790	495	16,520	501		
		12"	90%	7 1/2	19,400	399	19,400	414	19,400	428	19,180	440	18,770	449	18,580	454	18,160	463	17,950	468	17,530	478	17,150	487	16,870	493	16,440	503	16,220	508		

Model #	ELECTRICAL SPECIFICATIONS						BLOWER UNIT		EVAPORATIVE MEDIA	WEIGHTS ❸	
	Fan Motor ❷			Pump							
	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	Diameter	Type	Qty.-Depth x Width x Height	Shipping	Operate
UMP-939	2	2.3	24.0 / 12.6 / 12.0	5.9 / 5.6 / 2.8	820	2.3	25" x 25"	DWDI-FC	10-8"x 12"x 39"	971	1377
	2	2.3	24.0 / 12.6 / 12.0	5.9 / 5.6 / 2.8	1,100	5.0	25" x 25"	DWDI-FC	10-12"x 12"x 39"	1015	1460
	3	3.45	32.0 / 16.8 / 16.0	8.7 / 8.0 / 4.0	820	2.3	25" x 25"	DWDI-FC	10-8"x 12"x 39"	983	1389
	3	3.45	32.0 / 16.8 / 16.0	8.7 / 8.0 / 4.0	1,100	5.0	25" x 25"	DWDI-FC	10-12"x 12"x 39"	1027	1472
	5	5.75	--	14 / 13.8 / 6.9	820	2.3	25" x 25"	DWDI-FC	10-8"x 12"x 39"	1016	1422
	5	5.75	--	14 / 13.8 / 6.9	1,100	5.0	25" x 25"	DWDI-FC	10-12"x 12"x 39"	1060	1505
	7 1/2	8.63	--	21 / 19.2 / 9.6	820	2.3	25" x 25"	DWDI-FC	10-8"x 12"x 39"	1018	1424
	7 1/2	8.63	--	21 / 19.2 / 9.6	1,100	5.0	25" x 25"	DWDI-FC	10-12"x 12"x 39"	1062	1507

- ❶ UMP-900 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.
- ❷ 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 is nameplate data. Consult factory for overload and control options.
- ❸ 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 curb, diffuser and controls.

NOTE: Do not exceed 19,400 CFM.

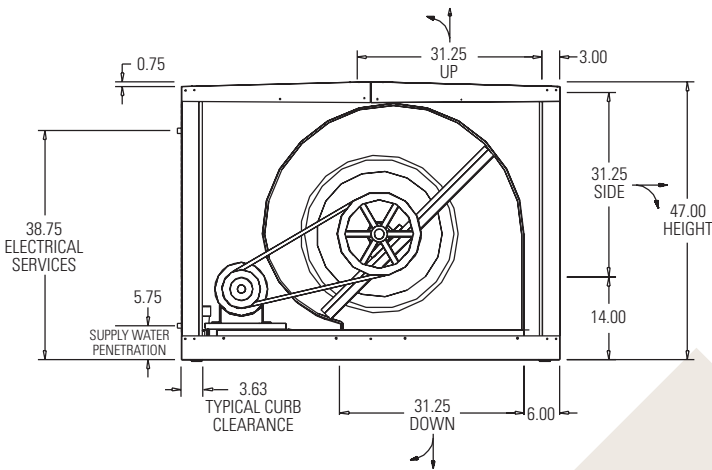
* Performance ratings include the effects of the evaporative media, inlet louver, motor and drives in the airstream.
 * Fan performance shown is based on tests made in accordance with AMCA 210-85, installation Type B; free inlet, ducted outlet.
 * Power rating (BHP) does not include drive losses.



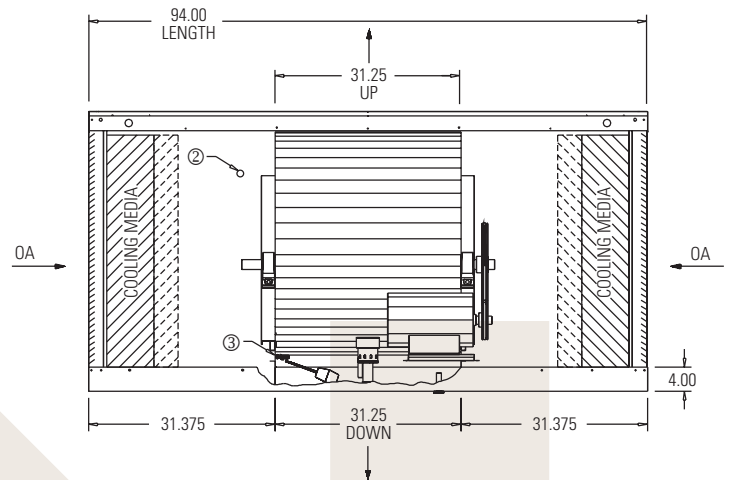


UMP-939

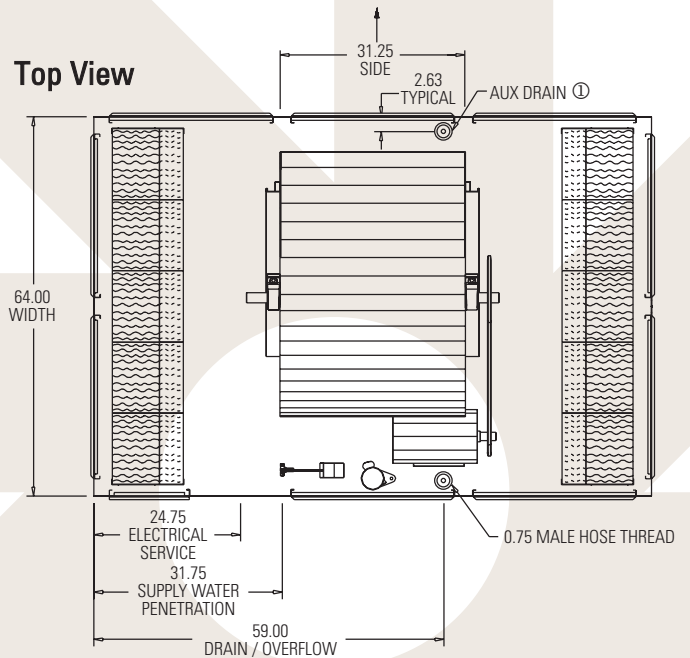
End View



Side View



Top View



① Auxiliary drain utilized only with optional freeze protection or distribution flush system. Consult factory for special applications.

② 7/8" Electrical service entrance

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

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