

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

Features

- 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
- Aspen wood fiber media with dust trap filters
- "Rain-Tight" pitched top construction (1/4"/12")
- Lifting sky hooks
- The most up-to-date propeller type axial fan affords maximum air delivery while minimizing horsepower
- Heavy gauge, hot dipped galvanized steel construction
- Epoxy powder base paint finish baked on at 375°
- Rugged cabinet assembly with double thick steel corners
- Adjustable motor sheave for air flow adjustment

• 500 Series

• UMP-554

- Side Discharge
- Down Discharge

Available Options

- Clean Pump
- 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



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Model #	Industry Standard Rating	AIR DELIVERY IN CUBIC FEET PER MINUTE (CFM)								ELECTRICAL SPECIFICATIONS						FAN UNIT						Evaporative Media		Weights ⑤		
		Inches Static Pressure (W.G.) ①								Fan Motor ②				Pump ④		Fan		Drives				Quantity - Width x Height	Shipping Operating			
		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	GPH @5' Head	Volt/Phase 115 1 Phase Amps	Dia.	Max RPM	Motor Pulley O.D.	Fan Pulley O.D.				Belt	Shaft
UMP-554 Down (D) Side (S)	14,000	11,964	400	9,644	400	7,175	400	4,116	400	--	--	3/4	.86	13.8 / 7.6 / 6.9	3.5 / 3.2 / 1.6	380	1.2	42"	690	3.75"	11.25"	A48	1"	16-29x29/12-29x29	515 / 515	820 / 1001
	16,000	13,309	445	11,300	445	9,203	445	6,663	445	4,031	445	1	1.15	16.0 / 8.8 / 8.0	4.6 / 4.2 / 2.1	380	1.2	42"	690	3.75"	11.25"	A48	1"	16-29x29/12-29x29	525 / 525	835 / 1015
	18,000	15,612	522	13,924	522	12,249	522	10,253	522	8,091	522	1 1/2	1.72	20 / 11 / 10	6.6 / 6.0 / 3.0	380	1.2	42"	690	3.75"	11.25"	A48	1"	16-29x29/12-29x29	532 / 532	842 / 1022
	21,000	17,287	578	15,760	578	14,272	578	12,621	578	10,716	578	2	2.3	24 / 13.2 / 12	7.5 / 6.8 / 3.4	380	1.2	42"	690	3.75"	11.25"	A48	1"	16-29x29/12-29x29	555 / 555	865 / 1045

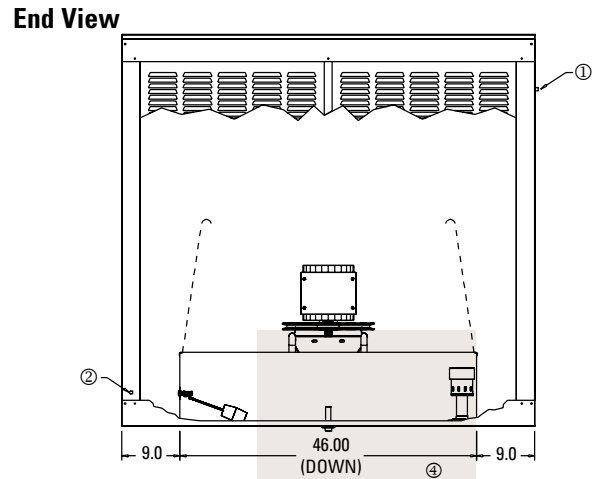
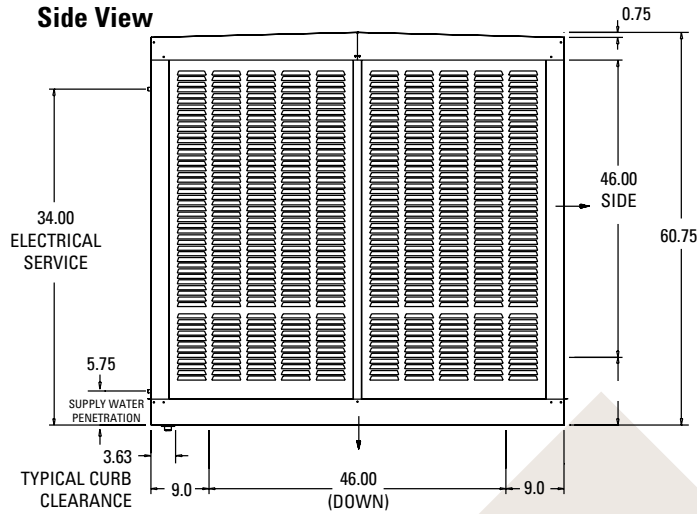
* Performance rating include the effects of the evaporative media, inlet louver, motor and drives in the airstream.

* Performance shown is for installation Type B: Free Inlet, Ducted Outlet

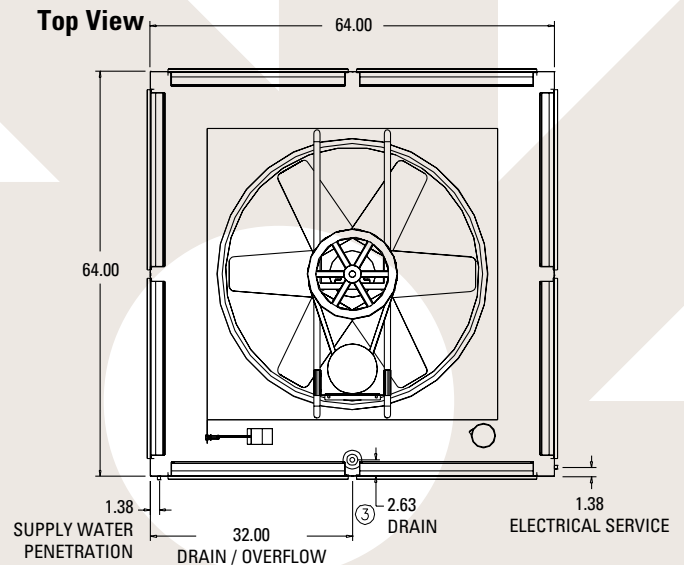
* Power rating (BHP) does not include drive losses.

- ① The 500 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 with loaded media. For ducted applications with external static pressures exceeding 0.2" a UMP-800 or 900 series blower model is 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 are NEC. Usable at 208v. 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.

UMP-554

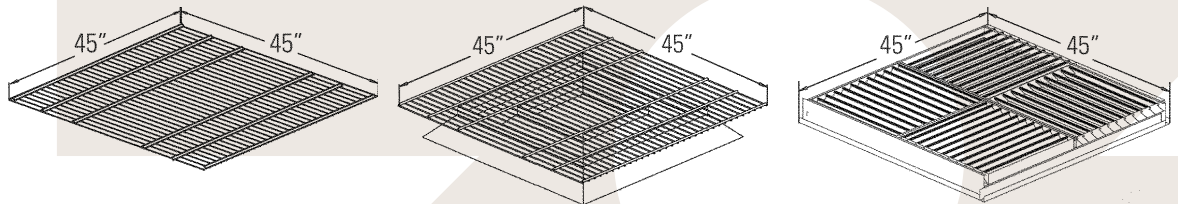
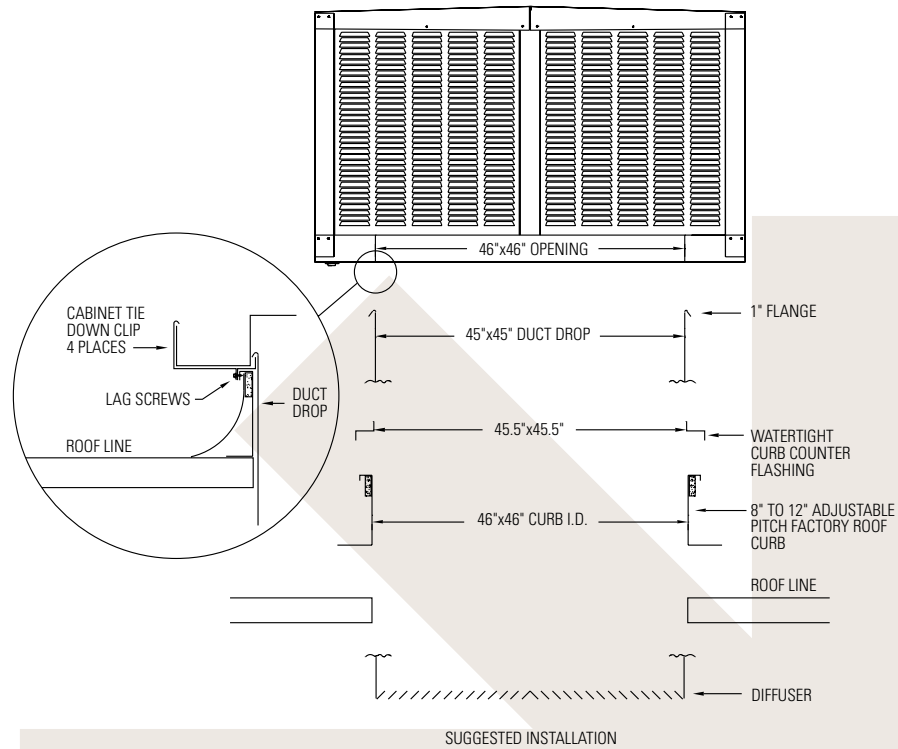


- ① 7/8" Electrical service entrance for 1/2" conduit.
- ② 3/8" Compression fitting connection made inside unit. Minimum 15 p.s.i. water pressure is recommended to deliver the volume needed to meet high summer evaporation and bleed requirements. Do not exceed 125 p.s.i.
- ③ 3/4" Male hose thread.
- ④ Minimum duct sizing should be 45" x 45" (see accessories drawing for details). 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.



UMP-554 Optional Accessories

Description	Part #	Material/Finish	Opening	Weight in Lbs.
UMP-554 Adj. Curb	7220-46	18 ga galv.	46" x 46"	60
Cabinet Tie-Down Kit	12434	16 ga painted galv.	--	4



Description	UFG45 Grill	UFD45-2 Grill Diffuser	A4545 Auto Damper Diff.
Discharge Height Application	16' and above	12' to 16'	12' to 16'
Part #	10604	80284	20038
Pressure Drop @ 1,200 FPM	.02"	.07"	.10"
Material / Finish	Galv. / Beige	Galv. / Beige	Aluminum
Weight in Lbs.	14	29	59