Phoenix Manufacturing, Inc.
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SUBMITTAL DATA

INDUSTRIAL EVAPORATIVE FAN COOLER

MODELS: RF6048 RF6024 RF6020

RF60 Series

- Units are UL Listed to UL Standard 507
- High quality architectural grade Peblar XT® finish
- Galvanized sheet steel is zinc coated at weight rated G40 or G90
- Multi-layer bottom pan finish
- Up to 50,000 CFM capacity
- Three Phase EISA motors are NEMA MG-1 table 12-12 compliant
- Motor, belt, pumps & float are included
- Bearings have an L10 bearing life of 39,600 hours

PERFORMANCE

BEARING LIFE - L10 bearing life of 39,600 hours is based on ABMA standard 9/ISO standard 281.

MOTORS - recognized under UL component standard #1004 for motor certification.

THREE PHASE MOTORS - EISA motors are NEMA MG-1 table 12-12 construction.

PUMPS - recognized under the UL standard #778 for operating water pumps with thermal overload and locked rotor protection.

VFD AND CONTROLS – VFD and controls built in for a single point connection.

ISVSPC – Internal Single Voltage Single Point Connection is included

CONSTRUCTION

EVAPORATIVE MEDIA - specifically corrugated cellulose material, impregnated with insoluble anti-rot salts and rigidifying saturates.

SEALANT - water immersion per ASTM D870.

FLEXIBILITY - per ASTM D756.

HOT DIPPED GALVANIZED SHEET STEEL - is ASTM A653, type CS, with zinc coating weights rated G40 or G90.

CORROSION RESISTANCE - per ASTM B117.

POLYMERIC MATERIALS - listed in accordance with UL 94 and 746C.

PENCIL HARDNESS - per ASTM D3363.

IMPACT RESISTANCE - per D2794.

FLEXIBILITY - per ASTM D522.

SURFACE BURNING CHARACTERISTICS- of building materials (best rating) per UL 723 and ASTM E-84.

PEBLAR XT® - is our one coat TGIC Polyester Powder Coating system that is applied over 5 stage zinc phosphate prepared sheet steel surfaces for protection against atmospheric corrosion. This coating system meets the requirement of UL 1332 - organic coatings for steel enclosures of outdoor use electrical equipment.

UL LISTED

UL Listed when used in non-ducted, single discharge applications as shown.

Performance shown is installation Type B - Free Inlet, duct outlet. Power Rating (B.H.P.) includes transmission losses. Performance ratings include the effects of evaporative media in the airstream.

Electrical Data & Performance

	Motor Specifications							Tested Air Flow (CFM) @ Specified Static Pressure (inches of water)						
Model	HP	BHP	Fan RPM	Voltage	Phase	Pump Volts/ Amps	Motor Amps	0.0"	0.1	0.2"	.3"	.4"	.5"	.6"
RF6048	10	11.5	637*	480	3	120/7.5	12.5				50,000	48,000	45,500	42,000
RF6048	10	10.2	612*	480	3	120/7.5	12.5			50,000	47100	44750	42000	
RF6048	10	8.89	586*	480	3	120/7.5	12.5		49,000	46700	44000	41200		
RF6048	10	7.61	560*	480	3	120/7.5	12.5	48,500	46000	43000	40700			
RF6024	10	11.5	637*	240	3	120/7.5	25				50,000	48,000	45,500	42,000
RF6024	10	10.2	612*	240	3	120/7.5	25			50,000	47100	44750	42000	
RF6024	10	8.89	586*	240	3	120/7.5	25		49,000	46700	44000	41200		
RF6024	10	7.61	560*	240	3	120/7.5	25	48,500	46000	43000	40700			
RF6020	10	11.5	637*	208	3	120/7.5	27				50,000	48,000	45,500	42,000
RF6020	10	10.2	612*	208	3	120/7.5	27			50,000	47100	44750	42000	
RF6020	10	8.89	586*	208	3	120/7.5	27		49,000	46700	44000	41200		
RF6020	10	7.61	560*	208	3	120/7.5	27	48,500	46000	43000	40700			

***RPM factory adjusted via VFD.**

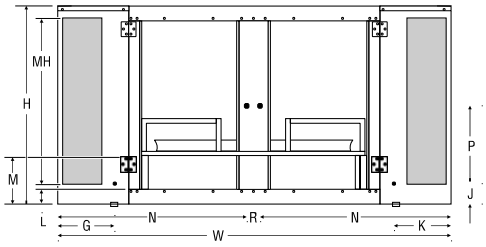
Pump Specifications

Pump Model	Volts	AMPS	Watts	GPM
PK60LA	120	1.7	105	7.6 @ 6'
PDP12-1	120	0.8	42	N/A

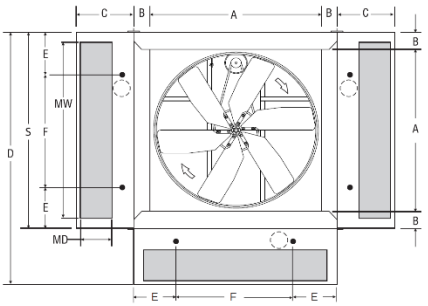
1 recirculating pump, 1 programmable drain pump and 1 float per wet section are included

NOTE: All external wiring and components such as disconnects are to be field supplied and are not included as part of the evaporative cooler. Installation must be in accordance with the NEC and local laws.

SIDE VIEW



BOTTOM VIEW



Engineering Data

Model	Fan Dimensions O.D.	Media Dimensions			Cabinet Dimensions				Discharge Dimensions			Drain Location Male Hose Thread			Water Service Opening is 3/8" I.D.		Bottom Pan		Electrical Service access is 7/8" I.D.			Approx. Weight	
																	Depth	Riser					
		MH	MW	MD	H	W	D	S	A	B	C	E	F	G	J	K	L	M	N	P	R	Ship	Oper.
RF60__	60	54-1/2	72	8	61	108	91	74	64	5	17	37	NA	13-1/2	5	13-1/2	3-1/2	12	49	22-1/2	NA	1400	2100

⚠ **WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

SUBMITTAL DATA

PROJECT:	
LOCATION:	
ARCHITECT:	
ENGINEER:	
CONTRACTOR:	
SUBMITTED BY:	

UNIT TAG	MODEL NUMBER	QTY	CFM	STATIC PRESSURE	HP	VOLTAGE	PHASE

NOTES: