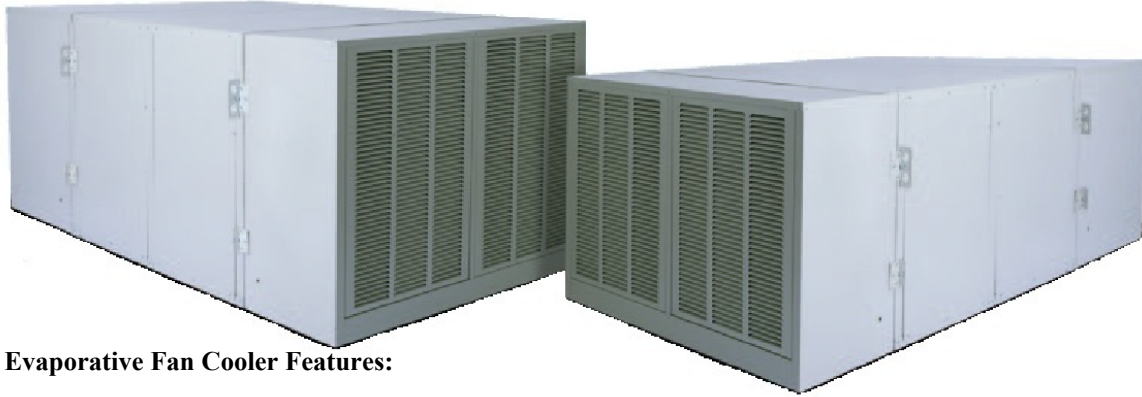


PHOENIX MANUFACTURING, INC.

3655 E. Roeser Rd. - Phoenix, AZ 85040 *evapcool.com* 602-437-1034

SPECIFICATION DATA INDUSTRIAL EVAPORATIVE FAN COOLER MODELS: RF42 & RF48 (UL LISTED)



Industrial Evaporative Fan Cooler Features:

- Units are UL Listed to UL Standard 507.
- High quality architectural grade Peblar XT® finish.
- Galvanized sheet steel is zinc coated at weights rated G40 or G90.
- Up to 21,600 CFM capacity (Industry Standard Rating)
- Evaporative media used in the UL Listed models is rated to UL900.
- Three Phase EISA motors are NEMA MG-1 Table 12-12 compliant.
- Motor & Belt included.
- Bearings have an L10 bearing life of 39,000 hours.
- City of Los Angeles Approved.
- Solid shaft for strength & durability.
- Multilayer bottom pan finish.

PERFORMANCE

AIR DELIVERY - data published derived from tests conducted in accordance with A.M.C.A. (Air Movement and Control Assoc.) standard 210.

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.

SINGLE PHASE MOTORS - tested under UL standard 507 for locked rotor and heat rise protection.

THREE PHASE MOTORS - EISA motors are NEMA MG-1 Table 12-12 compliant.

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

CONSTRUCTION

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

DURA-COOL PADS - Used in UL Listed coolers is rated to UL900.

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.

BLOWER WHEEL - balanced in accordance with ISO 1940 and A.N.S.I. standard S2.19, quality grade G6.3. City of Los Angeles (C.O.L.A.), RR8075 Mechanical, RR930159 Electrical (1 1/2 HP Maximum, Single Phase).

PENCIL HARDNESS - per ASTM D3363.

IMPACT RESISTANCE - per D2794.

FLEXIBILITY- per ASTM D522.

SPECULAR GLOSS - per ASTM D523.

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 requirements of UL 1332 - Organic Coatings for Steel Enclosures of Outdoor Use Electrical Equipment.

Phoenix Evaporative Coolers and components are designed and tested in accordance with one or more of the following standards or agencies:

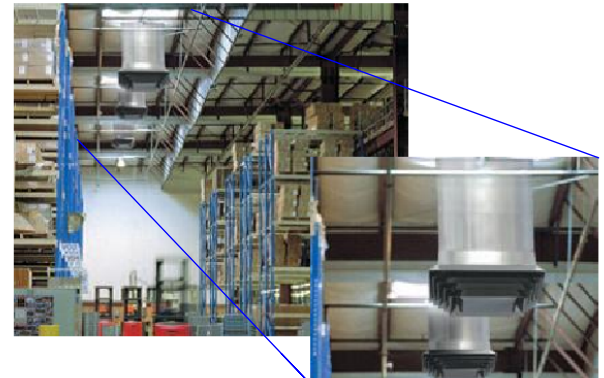


AMCA Certified

Phoenix Manufacturing, Inc. certifies that the evaporative coolers shown are licensed to bear the AMCA seal. Cooler ratings are based on tests and procedures performed in accordance with AMCA publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



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

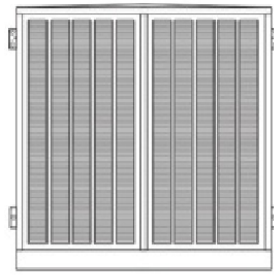
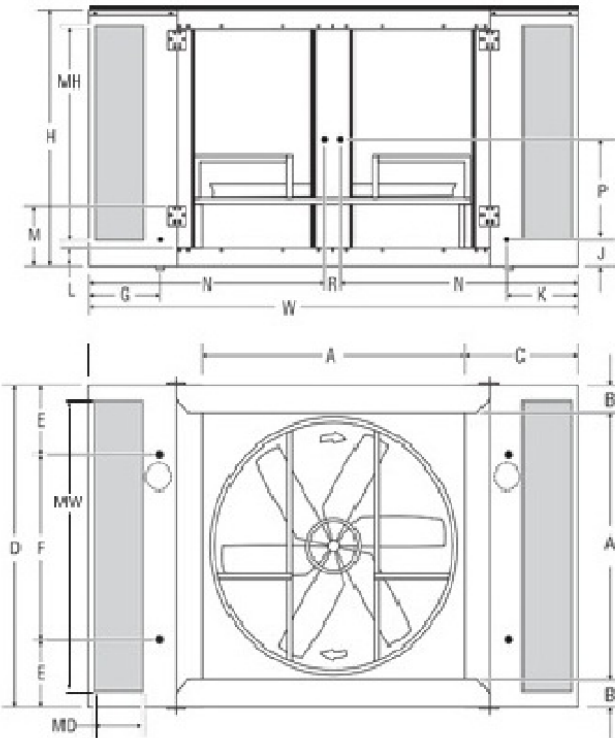


All data, specifications and detail contained in this publication are intended as a general guide for using PHOENIX MANUFACTURING, INC. PRODUCTS. These products should not be used in design or construction without an independent evaluation by a qualified engineer or architect to verify the suitability of a particular product for use in a specific application. PHOENIX MANUFACTURING, INC. assumes no liability for failure resulting from the use or misapplication of computation, detail drawings and specifications contained herein. This publication contains the latest information available at the time of printing. PHOENIX MANUFACTURING, INC. reserves the right to make modifications and/or change materials of any of their products without prior notice or obligation. PHOENIX MANUFACTURING, INC. may not produce all of the products contained in this submittal. For product availability and the latest information regarding products contact PHOENIX MANUFACTURING, INC.



PHOENIX MANUFACTURING, INC.

SUBMITTAL DATA



Project: _____ Location: _____

Architect: _____ Engineer: _____

Contractor: _____ Submitted by: _____

Notes: _____

Pump Specifications				
Pump Model	Volts	AMPS	Watts	GPM @ 6' Head
PK60LA	115	1.7	105	6.8
PK62LA	230	1.1	105	6.8

Performance shown is installation Type B - Free Inlet, duct outlet. Power Rating (B.H.P.) does not include drive losses. Performance ratings include the effects of evaporative media in the airstream.

Model	Fan Dimensions O.D.	Media Dimensions			Cabinet Dimensions			Discharge Dimensions			Drain Location Male Hose Thread			Water Service Opening is 1/4" I.D.		Bottom Pan		Electrical Service access is 7/8" I.D.			Approximate Weight	
		MH	MW	MD	H	W	D	A	B	C	E	F	G	J	K	Depth	Riser	N	P	R	Ship	Oper.
RF42XX	34 1/2	34-1/2	60	8	39	96	62	46	8	25	13	36	13 1/2	5	13-1/2	3 1/2	12	46-3/8	19-1/2	3-1/4	725	820
RF48XX	44 1/2	44-1/2	60	8	49	96	62	52	5	22	13	36	13 1/2	5	13-1/2	3 1/2	12	46-3/8	24-1/2	3-1/4	800	895

AMCA Certified Airflow & Electrical Data

Model	Motor Specification					Pump Volts/Amp	Motor Amps	AMCA Certified Air Flow (CFM) @ Specified Static Pressure (inches of Water)			
	Nameplate	Fan RPM	Voltage	Phase				0.0"	0.1"	0.2"	0.3"
	Hp										
RF4221	2	2.12	600	115	1	115 / 3.4	18.8	17,800	16,200	13,800	12,400
RF4222	2	2.12	600	208-230	1	115 / 3.4	10.2-9.4	17,800	16,200	13,800	12,400
RF4223	2	2.12	600	208-230	3	115 / 3.4	6.2-5.8	17,800	16,200	13,800	12,400
RF4224	2	2.12	600	460	3	115 / 3.4	2.9	17,800	16,200	13,800	12,400
RF4821	2	2.33	506	115	1	115 / 3.4	18.8	21,600	19,600	15,600	13,500
RF4822	2	2.33	506	208-230	1	115 / 3.4	10.2-9.4	21,600	19,600	15,600	13,500
RF4823	2	2.33	506	208-230	3	115 / 3.4	6.2-5.8	21,600	19,600	15,600	13,500
RF4824	2	2.33	506	460	3	115 / 3.4	2.9	21,600	19,600	15,600	13,500