Enfriadores Evaporativos

Soluciones de Enfriamiento Evaporativo

Enfriadores de Aire Evaporativos Comercial | Tamaño 42 - 48

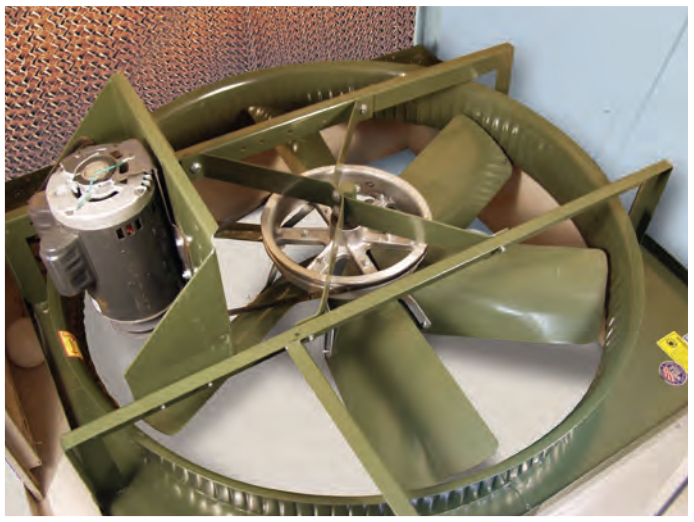
Datos del Producto

RIGID MEDIA COMMERCIAL

FAN COOLERS

Rigid Media Commercial Fan Coolers, in the correct low static application, offer an energy efficient alternative to standard blower wheel units at a fraction of the operating cost. Designed for large areas with cooling needs to match, these units can save up to 70% in energy costs.

- **70% Less Energy Costs**
- **Meets or Exceeds Most Local & National Codes**
- **U.L. Listed**
- **8" Thick Rigid Media**



MORE AIR - LESS ENERGY

These highly efficient, commercial-grade blades deliver more air while using less horsepower than a comparable sized blower wheel model. Designed for open space applications such as warehouses, factories, manufacturing areas, laundries etc., this specially designed, six-blade fan provides the optimum air delivery.

U.L. LISTED FOR SAFETY

These high capacity units are U.L. listed for safety when used in non-ducted, single discharge applications as shown to the right. All units are completely pre-wired with factory installed and tested motor and circulating pump systems. This Phoenix Manufacturing, Inc. unit will meet or exceed most local and national codes.

UL LISTED

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

3 HP RF SERIES
TWO WET SECTIONS

5 HP RF SERIES
THREE WET SECTIONS

FEATURES

- **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**
- **Up to 30,000 CFM capacity**
- **Three phase EISA motors are NEMA MG-1 table 12-12 compliant**
- **Motor, belt, pump & float included**
- **Bearings have an L10 bearing life of 39,600 hours**
- **Multi-layer bottom pan finish**

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 and Airflow

Model Number	Motor Specifications					Pump Volts/Amps [2]	Motor [1] Amperage	Air Flow (CFM) at Specified Static Pressure (Inches Water)			
	Nameplate HP	BHp	Fan RPM	Voltage	Phase			0.0"	0.1"	0.2"	0.25"
RF4833A	3	3.33	578	240	3	120 / 3.4	8.7	22,600	20,600	18,200	16,500
RF4834A	3	3.33	578	480	3	120 / 3.4	4.4				
RF4853A	5	4.85	680	240	3	120 / 5.1	12.6	30,000	28,600	26,700	26,100
RF4854A	5	4.85	680	480	3	120 / 5.1	6.3				

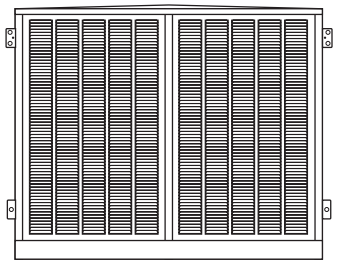
Engineering Data

Model	Fan Dimension O.D. Inches	Media Dimensions			Cabinet Dimensions				Discharge Dimensions			Drain Location Drains are 3/4" Male hose thread			Water Service Water service opening is 1/4" I.D.		Bottom Pan		Electrical Service Electrical service access 7/8" I.D.			Aprox Weight (LBS.)	
																	Depth	Riser					
		MH	MW	MD	H	W	D	S	A	B	C	E	F	G	J	K	L	M	N	P	R	Ship	OPER.
RF483--	48	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	26 1/2	3 1/4	825	1025
RF485--	48	44 1/2	60	8	49	96	91	62	52	5	22	13	36	13 1/2	5	13 1/2	3 1/2	12	46 3/8	26 1/2	3 1/4	970	1400

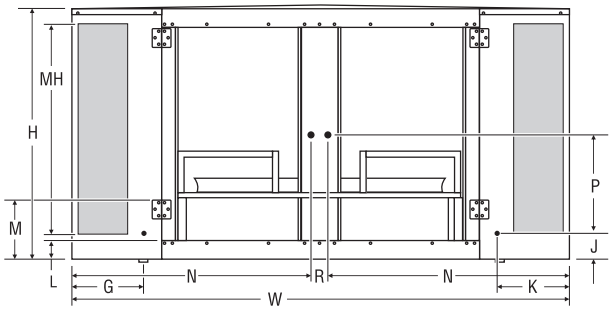
Pump Requirements

Pump Model	Volts	AMPS	Watts	GPH @ 5' Head
PK60LA	120	1.7	105	7.3

1 Pump per Wet Section is Required



END VIEW



SIDE VIEW

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

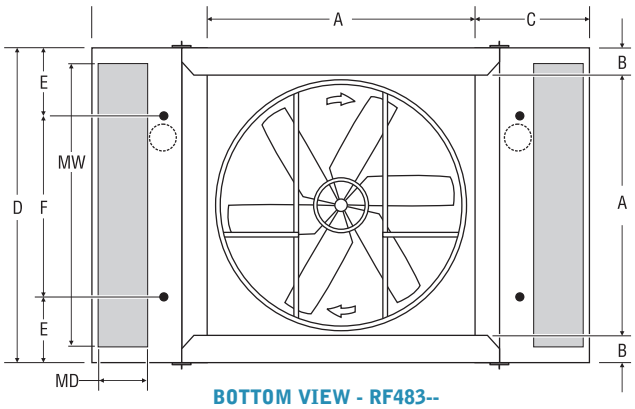
AIR DELIVERY - Data published on this page is derived from tests conducted in accordance with A.M.C.A. (Air Movement and Control Assoc.) standard 210.

SEALANT - Water immersion per ASTM D870. FLEXIBILITY - per ASTM D756. CORROSION RESISTANCE - per ASTM B117. 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.

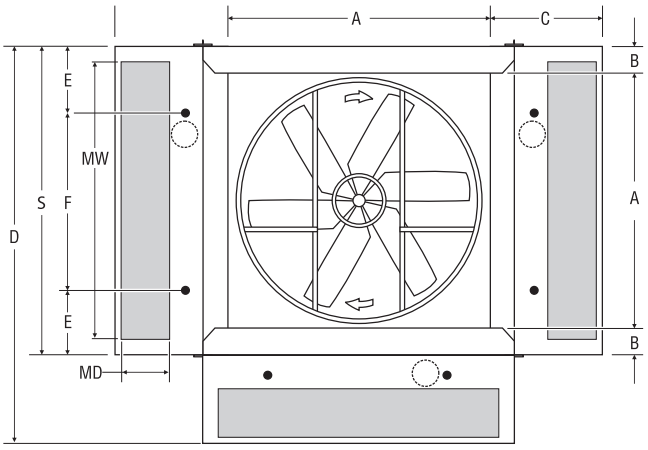
EVAPORATIVE MEDIA - Specially corrugated cellulose material, impregnated with insoluble antirot salt and rigidifying saturants.

PUMPS - Classified per UL 778 & 507 for operating water pumps with thermal overload and locked rotor protection. POLYMERIC MATERIALS listed in accordance with UL 94 and 746C.

MOTORS - Recognized under UL component standard #1004 for motor certification. MOTORS tested under UL standard #507 for locked rotor and heat rise thermal protection.

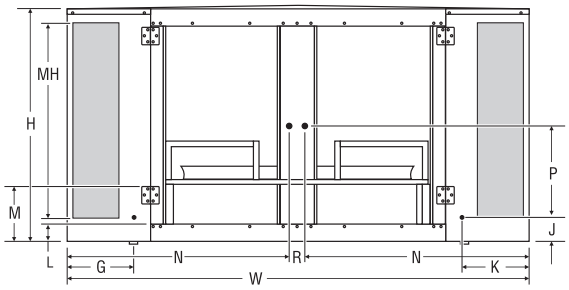


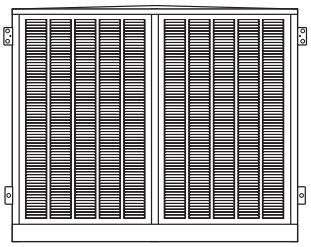
BOTTOM VIEW - RF483--



BOTTOM VIEW - RF485--

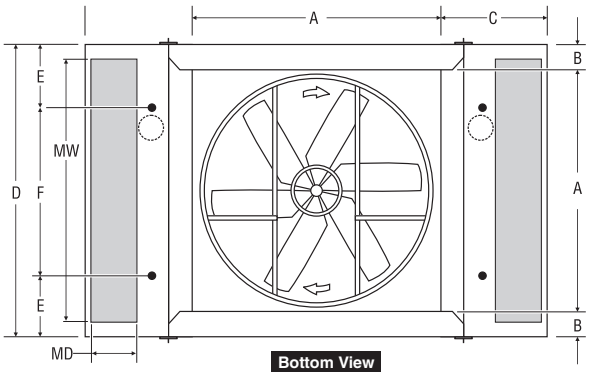
ENERGY EFFICIENT EVAPORATIVE AIR COOLER





AEROCOOL®
Rigid Media Commercial Fan Coolers

UL LISTED — U.L. Listed when used in non-ducted, single discharge applications as shown.



Bottom View

AEROCOOL RIGID MEDIA COMMERCIAL FAN COOLER FEATURES:

- These models are up to 21,600 cfm capacity
- AMCA licensed ratings
- Hot dipped galvanized steel constructed cabinet
- Peblar XT™ architectural finish, protects against rust
- UL Listed
- 8" thick rigid media

Engineering Data

Model	Fan Dimensions O.D.	Media Dimensions			Cabinet Dimensions			Discharge Dimensions			Drain Location Drains are 3/4" Male hose thread			Water Service Water service opening is 1/4" I.D.		Bottom Pan		Electrical Service Electrical service access 7/8" I.D.			Aprox Weight (LBS.)	
																Depth	Riser					
		MH	MW	MD	H	W	D	A	B	C	E	F	G	J	K	L	M	N	P	R	Ship	OPER.
RF42	42	34.5	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	925
RF48	48	44.5	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	1000

AMCA Certified Airflow and Electrical Data

Model Number	Motor Specifications					Pump Volts/Amps [2]	Motor [1] Amperage	Static Pressure (Inches Water) and AMCA Certified Air Flow (CFM)			
	Nameplate HP	BHp	Fan RPM	Voltage	Phase			0.0"	0.1"	0.2"	0.25"
RF4221	2	2.3	592	120	1	120/3.4	18.8	17,800	16,200	13,800	12,400
RF4222	2	2.3	592	208-240	1	120/3.4	10.2 - 9.4				
RF4223	2	2.3	592	208-240	3	120/3.4	6.2 - 5.8				
RF4224	2	2.3	592	480	3	120/3.4	2.9				
RF4821	2	2.3	506	120	1	120/3.4	18.8	21,600	19,600	15,600	13,500
RF4822	2	2.3	506	208-240	1	120/3.4	10.2 - 9.4				
RF4823	2	2.3	506	208-240	3	120/3.4	6.2 - 5.8				
RF4824	2	2.3	506	480	3	120/3.4	2.9				

amca CERTIFIED RATINGS — AIR PERFORMANCE — AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.®

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

- Performance certified is for installation type B: free inlet, ducted outlet.
- Performance ratings include the effect of evaporative media.
- Power (BHP) includes transmission losses.

1. All external wiring and components such as disconnects, motor starters, and over-current protection are to be field supplied and are not included as part of the evaporative cooler from the factory.
2. A separate 120 volt, 60 hertz, single phase, GFCI protected pump circuit is required to maintain the UL Listing of the evaporative cooler. Pump capacity is shown on page 3. 1 pump per wet section is required.