



colonize in comfort.

d e p e n d a b l e c o o l i n g a n y w h e r e .

Frigiking homecoolers



All Phoenix Manufacturing, Inc. products are precision crafted and engineered to provide low cost operation, easy maintenance, with product reliability and longevity. Water evaporation is an environmentally friendly source of cooling as compared to mechanical refrigeration. Phoenix Manufacturing makes sound products with sensible and functional innovations, leading to a new era.

All stages of our manufacturing emphasize quality, efficiency and every Frigiking Air Cooler is built to the most exacting

standards. The cabinet design, with a deep drawn bottom pan, is constructed of hot dipped galvanized steel and coated with an attractive appliance type finish. Every component is engineered for reliable performance, so your cooler will last through years of cooling comfort with a minimum of maintenance.

In short, the Frigiking cooler is your best choice for years of comfort and economical trouble free operation.

Brisa windowcoolers



More cool for less energy! Brisa window model evaporative coolers deliver more CFM (cubic feet per minute of air) for each watt of energy consumed than comparative competitive models. This means quicker cooling, as it absorbs heat from the air faster. Brisa can cost between 15-28% less to operate and achieve equivalent cooling!

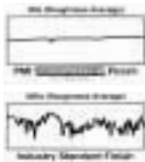
Brisa, engineered to put your energy costs on ice!



New MIRROSCOPIC™ polished blower shaft

This new Phoenix Manufacturing, Inc. exclusive polished blower shaft finishing process extends the life of your cooler.

MIRROSCOPIC™ Ground Finish



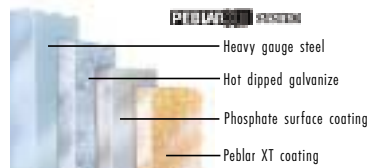
Mirro-Scopic Difference Standard Blower Shaft

The above units were subjected to accelerated life testing under extreme conditions.

- Junction box allows easy plug-in connections of motor and pump. (3300-6500 CFM)
- High-torque, belt-driven motors are recognized by Underwriters Laboratories.
- Exclusive slide damper on “down discharge” models is used to prevent winter heat loss. (3300-6500 CFM)
- Oversized balanced blower wheels generate maximum air plus quiet operation.

Peblar XT Protective Powder Coating

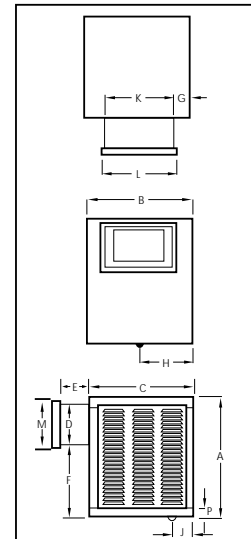
Our exclusive **Peblar XT** surface preparation is the highest quality and most costly outdoor architectural grade finish used in the industry to date. This attractive, multi-layer bonded treatment protects your cooler against corrosion and assures years of reliable service.



Brisa Engineering Data

Model Number	Cabinet Dimensions												
	A	B	C	D	E	F	G	H	J	K	L	M	P
BW3001	25	28	28	13 ¹ / ₄	10 ¹ / ₄	13	3	14	4 ¹ / ₂	20 ³ / ₄	21 ¹ / ₄	15	3 ¹ / ₄
BW3500	32	28	28	13 ¹ / ₄	10 ¹ / ₄	15 ¹ / ₂	3 ⁵ / ₈	14	4 ¹ / ₂	20 ³ / ₄	21 ¹ / ₄	15	3 ¹ / ₄
BW4000	36	28	28	13 ¹ / ₄	10 ¹ / ₄	19 ¹ / ₂	3 ⁵ / ₈	14 ³ / ₈	4 ¹ / ₂	20 ³ / ₄	21 ¹ / ₄	15	3 ¹ / ₄
BW4500	36	34	34	13 ¹ / ₄	10 ¹ / ₄	19 ¹ / ₂	6 ⁵ / ₈	17	5 ⁵ / ₈	20 ³ / ₄	21 ¹ / ₄	15	3 ¹ / ₄
BW5000	36	34	34	13 ¹ / ₄	10 ¹ / ₄	19 ¹ / ₂	6 ⁵ / ₈	17	5 ⁵ / ₈	20 ³ / ₄	21 ¹ / ₄	15	3 ¹ / ₄
NEW BW5500*	36	33 ¹ / ₄	27 ¹ / ₄	13 ¹ / ₄	10 ¹ / ₄	19 ¹ / ₂	6 ¹ / ₄	17	4 ¹ / ₂	20 ³ / ₄	21 ¹ / ₄	15	3 ¹ / ₄

Model Number	Blower Wheel		Motor			Approx. Shipping Weight	Area Cooling Capacity Sq/Ft
	D	W	H.P.	SP.	VOLT		
BW3001	8	8	1/4	2	115	91	300/500
BW3500	13 ¹ / ₄	13	1/3	2	115	115	600/800
BW4000	13 ¹ / ₄	13	1/3	2	115	120	700/1000
BW4500	16 ¹ / ₈	15 ⁷ / ₈	1/3	2	115	143	700/1200
BW5000	16 ¹ / ₈	15 ⁷ / ₈	1/2	2	115	144	1200/1600
NEW BW5500*	16 ¹ / ₈	15 ⁷ / ₈	1/2	2	115	150	1400/1800



*New Brisa model BW5500 utilizes rigid media for high efficiency.

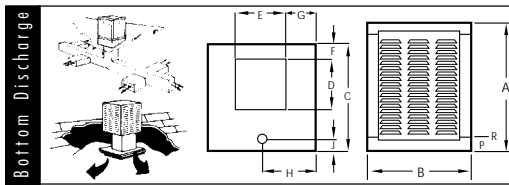
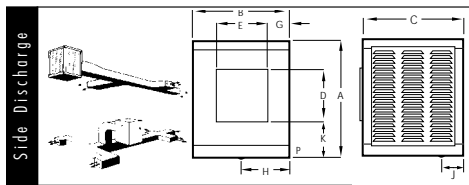


It's hard to beat our 4-pad bottom discharge model for maximum cool air at minimum energy cost. Ideal for roof installation, this cooler features a unique full closing damper to seal the unit and prevent winter heat loss.

maximum air intake for maximum efficiency. Includes factory 115V pump, float and bleed-off, and an L.A. listed quick disconnect. Your choice of a 1 or 2 speed motor.

Available in sizes ranging from 3000-6500 CFM.

This versatile side discharge unit is perfect for either roof or thru-the-wall installation. Our wide angle pad lancing provides



Frigiking Engineering Data

Model Number	Cabinet Dimensions												Blower Wheel		Pad Frame		Pad Filler Dimensions		
	A	B	C	D	E	F	G	H	J	K	P	R	DIA.	WIDTH	HT.	WIDTH	NO.	HT.	WIDTH
RV2000	20	28 ⁵ / ₈	28 ⁵ / ₈	16	16	3 ⁷ / ₈	6 ¹ / ₂	--	--	--	3 ¹ / ₄	6 ¹ / ₂	16	FAN	14 ¹ / ₂	23 ¹ / ₃	4	14	22
FD/FS 350	32	28	28	16 ¹ / ₁₆	16 ¹ / ₁₆	3 ¹ / ₄	6	14	4 ¹ / ₄	10 ¹ / ₄	--	--	13 ³ / ₄	13	26	22	4 ² / ₃	27	24
FD/FS 450	36	34	34	17 ⁷ / ₈	17 ⁷ / ₈	4 ¹ / ₂	8 ¹ / ₁₆	17	5 ¹ / ₄	12 ¹ / ₄	--	--	16 ¹ / ₈	15 ⁷ / ₈	30	28	4 ² / ₃	29	29
FD/FS 650	42 ¹ / ₄	37	37	19 ⁷ / ₈	19 ⁷ / ₈	3 ⁷ / ₈	8 ⁸ / ₁₆	18 ¹ / ₂	6	14 ¹ / ₄	--	--	19 ¹ / ₈	17 ⁷ / ₈	37	31	4 ² / ₃	35	33

Model Number	Cooling Capacity		Tested Air Delivery							Motor Specifications					Approx. Shipping Weight
	Industry Standard Rating*	Cubic Ft. Area	0"	.1"	.2"	.3"	.4"	.5"	HP	Speed	Phase	Hz	Volt		
RV2000	2000/1330	4000	--	--	--	--	--	--	1 ¹ / ₁₂	2	1	60	115	60	
FD/FS 350	3000	6600	2180	2085	1980	1860	1685	1490	1 ¹ / ₃	1	1	60	115	107	
FD/FS 350	3000/2000	6600	2180	2085	1980	1860	1685	1490	1 ¹ / ₃	2	1	60	115	108	
FD/FS 450	4000	8000	3130	2922	2702	2478	2250	2010	1 ¹ / ₃	1	1	60	115	136	
FD/FS 450	4000/2665	8000	3130	2922	2702	2478	2250	2010	1 ¹ / ₃	2	1	60	115	137	
FD/FS 450	4500	9000	3660	3464	3268	3072	2876	2680	1 ¹ / ₂	1	1	60	115/230	137	
FD/FS 450	4500/3000	9000	3660	3464	3268	3072	2876	2680	1 ¹ / ₂	2	1	60	115/230	138	
FD/FS 650	5500	11000	4130	3966	3802	3636	3469	3305	1 ¹ / ₂	1	1	60	115/230	173	
FD/FS 650	5500/3365	11000	4130	3966	3802	3636	3469	3305	1 ¹ / ₂	2	1	60	115/230	174	
FD/FS 650	6500	13000	4710	4546	4382	4218	4052	3890	3 ³ / ₄	1	1	60	115/230	176	
FD/FS 650	6500/4330	13000	4710	4546	4382	4218	4052	3890	3 ³ / ₄	2	1	60	115/230	177	

*Industry Standard Rating represents a numerical index for use in comparing units of different manufacturers.
 - All Specifications Subject To Change Without Notice.

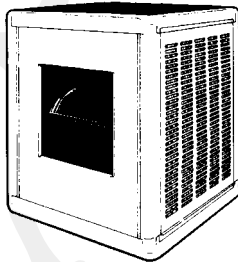
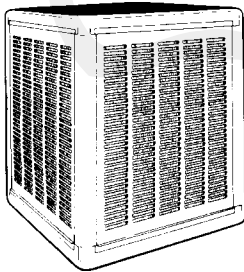


Residential Specification Submittal



FEATURES

- All welded, hot dipped galvanized steel cabinet
- Heavy duty motor and pump
- **PEBLAR XT™** multilayer finish
- **MIRROSCOPIC™** polished blower shaft finish



PROJECT _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

SUBMITTED BY DATE _____

FRIGIKING EVAPORATIVE COOLERS and components are designed and tested in accordance with one or more of the following standards or agencies: **AIR DELIVERY** - data published derived from tests conducted in accordance with A.M.C.A. (Air Movement and Control Assoc.) standard 210. **ASPEN PADS** - built to federal specification PP-E-911 for Type 1, Class A, Grade 4. **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 523. **SURFACE BURNING CHARACTERISTICS** of building materials (best rating) per UL 723 and ASTM E-84. **PUMPS** recognized under the UL standard #778 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 #547 for locked rotor and heat rise protection.

RECOMMENDATIONS:

MODEL	QTY	CFM	STAT PRES

MTR	HP	SPEED	VOLTAGE	PHASE

OPTIONAL ACCESSORIES

Notes

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