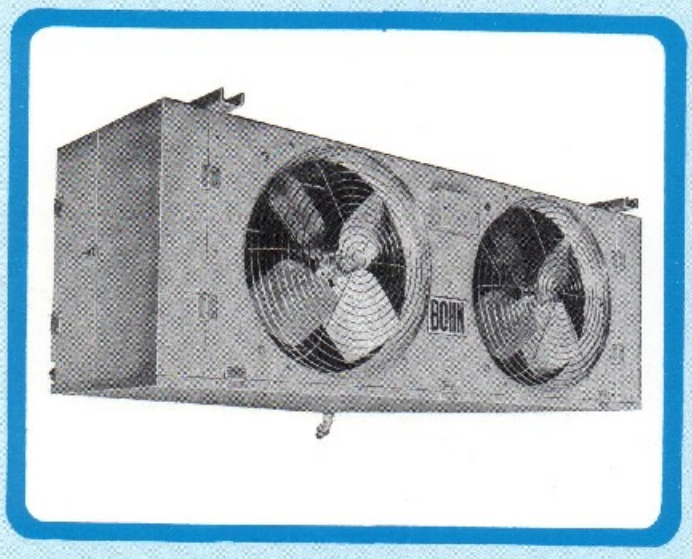
Bohn Refrigeration Evaporator-5.6 Ton	
Mfg: Bohn Refrigeration	**Model: FM-4501G**
Stock No. DCBJ001.	**Serial No. D96J00577 and D96K00077**

(2) Bohn Refrigeration Evaporators- 5.6 Ton (each). Model: FM-4501G. S/N's: D96J00577 and D96K00077. Capacity: 67,500 Btuh @ 15 °F TD. Airflow: 7000 cfm. (3) Fan Motors, 1/4 hp, 208-230 V, 6.0 amps, 60 Hz, single phase. Inlets:(1) 1/4 in. dia. copper tube (refrigerant). Outlets: (1) 3/4 in. dia. drain pipe, (1) 1-1/4 in. dia. copper tube (suction). Overall dimensions: 82 in. L x 29 in. W x 26 in. H. (ACN26)

MODEL FM

UNIT COOLER

BULLETIN 302.2
October 1975
(Supersedes Bulletin 302.1)

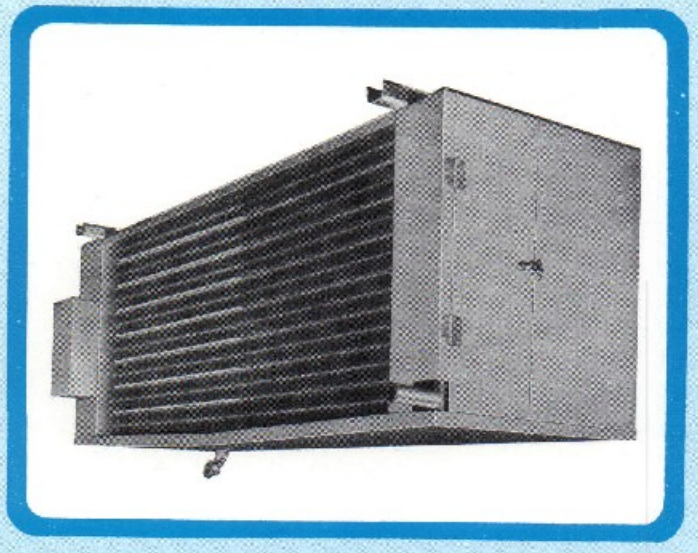


APPLICATION

The Model FM Unit Coolers are designed for maintaining temperatures of 35° F. and above. Models FM36 thru FM146 are suitable for plug application. Models FM176 thru FM1400 are ideally suited for use in large walk-in coolers, refrigerated warehouses and other similar applications.

Units may be secured to the ceiling or suspended on rod hangers. Air flow intake is at the coil face and air discharge at the fans. The Model FM Unit Cooler uses direct drive propeller fans.

A hinged access door on Model FM200 thru FM1400 provides complete access to the refrigerant connections. Models FM36 thru FM176 are furnished with easily removable access panels. The expansion valve mounts inside of the end compartment. All units are provided with an external equalizer connection.



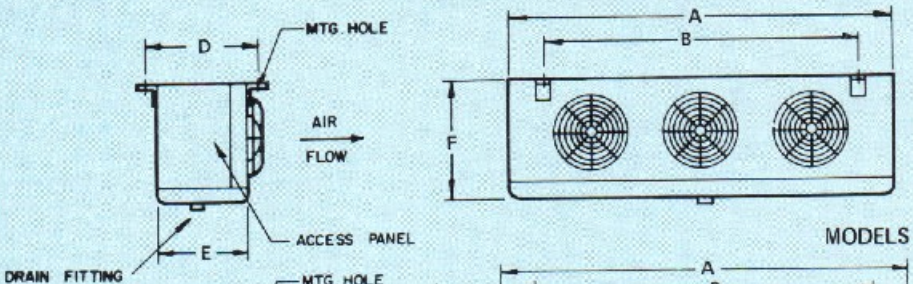
FEATURES

- Sturdy aluminum cabinets — maximum corrosion protection — lightweight.
- Rust-proof hardware and screws prevent streaking.
- Plated fan guards.
- Motors life-lubricated and thermal overload protected.
- Dependable, accurate ratings — generous coil surface.
- Plate type aluminum fins with full collars on expanded copper tubes.
- Coils are dehydrated and sealed.
- Models FM36 – FM176 are NSF Approved.
- All models UL listed.

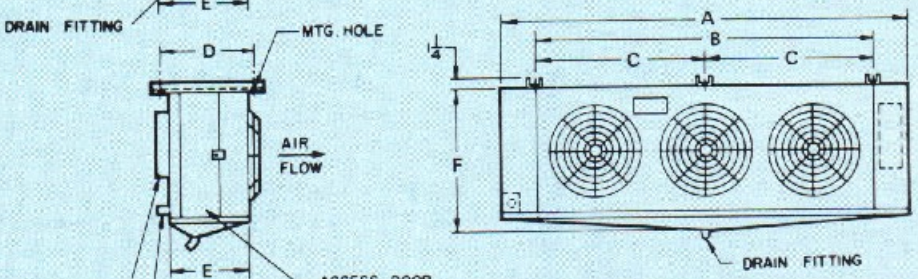
Bohn Aluminum & Brass Corporation
Heat Transfer Division
A GULF+WESTERN Manufacturing Company
Danville, Illinois 61832 • (217) 446-3710

MODEL FM

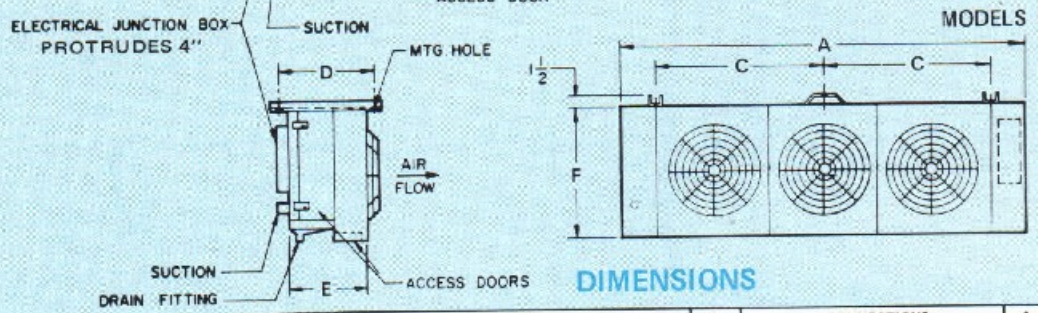
MODELS FM36 THRU FM176



MODELS FM200 THRU FM850



MODELS FM1100 THRU FM1400



DIMENSIONS

Model No.	DIMENSIONS						Mtg. Hole Dia.	CONNECTIONS			Approx. Ship Wt. (Lbs.)
	A	B	C	D	E	F		Inlet	Suction	Drain	
FM 36	22	16¼	—	15⅝	14	13⅛	⅜	½ FN	⅝ OD	⅝ M.FI.	31
FM 46	22	16¼	—	15⅝	14	16	⅜	½ FN	⅝ OD	⅞ M.FI.	34
FM 56	22	16¼	—	15⅝	14	19	⅜	½ FN	⅝ OD	1⅛ M.FI.	39
FM 76	34	28½	—	15⅝	14	13½	⅜	½ FN	⅞ OD	1⅝ M.FI.	46
FM 96	34	28½	—	15⅝	14	16	⅜	½ FN	⅞ OD	1⅝ M.FI.	57
FM 116	44	38½	—	15⅝	14	16	⅜	½ FN	⅞ OD	1⅝ M.FI.	63
FM 146	44	38½	—	15⅝	14	19	⅜	½ FN	⅞ OD	⅝ M.FI.	79
FM 176	61	55½	—	15⅝	14	16	⅜	½ FN	1⅛ OD	⅝ M.FI.	90
FM 200	61	49¼	—	21	18	22	13/32	⅞ OD	1⅜ OD	⅞ ID	235
FM 280	61	49¼	—	21	18	26	13/32	⅞ OD	1⅜ OD	⅞ ID	261
FM 380	70	58¼	—	25	22	26	17/32	⅞ OD	1⅜ OD	⅞ ID	323
FM 450	83	71¼	—	25	22	26	17/32	⅞ OD	1⅝ OD	⅞ ID	391
FM 630	83	71¼	—	25	22	35	17/32	⅞ OD	1⅝ OD	⅞ ID	447
FM 850	114	100¾	50⅞	29	26	32	17/32	1⅛ OD	2⅛ OD	⅞ ID	643
FM1100	114	100½	50¾	35	32½	47	21/32	1¾ OD	2⅛ OD	1⅛ FPT	1015
FM1400	135	121½	60¾	35	32½	47	21/32	1⅝ OD	2⅛ OD	1⅛ FPT	1260

SPECIFICATION DATA

Model No.	CFM	Air[1] Throw	CAPACITY (BTUH)		ELECTRICAL DATA				
			10° T.D.	15° T.D.	No. Motors	RPM	FULL LOAD AMPS 115V	230V	460V
FM 36	600	20	3600	5400	1	1550	1.8	1.0	—
FM 46	775	20	4600	6900	1	1550	2.1	1.1	—
FM 56	850	20	5600	8400	1	1550	2.1	1.1	—
FM 76	1200	25	7600	11400	2	1550	3.6	2.0	—
FM 96	1500	25	9600	14400	2	1550	4.2	2.2	—
FM 116	1700	25	11600	17400	2	1550	4.2	2.2	—
FM 146	2300	30	14600	21900	3	1550	6.3	3.3	—
FM 176	2700	30	17600	26400	3	1550	6.3	3.3	—
FM 200	3400	35	20000	30000	2	1075	6.0	2.8	2.0
FM 280	4300	40	28000	42000	2	1075	6.0	2.8	2.0
FM 380	5700	40	38000	57000	2	1075	—	4.0	2.0
FM 450	7000	40	45000	67500	3	1075	—	6.0	3.0
FM 630	9400	55	63000	94500	2	1075	—	8.4	5.0
FM 850	13500	55	85000	127500	3	1075	—	7.3[2]	4.4[2]
FM1100	16500	60	110000	165000	2	825	—	9.2[2]	4.6[2]
FM1400	24000	60	140000	210000	3	825	—	13.8[2]	6.9[2]

1. Air throw based on optimum conditions.
2. FM850 wired for 3 phase operation, motors are single phase, FM1100 & 1400 motors are 3 phase.