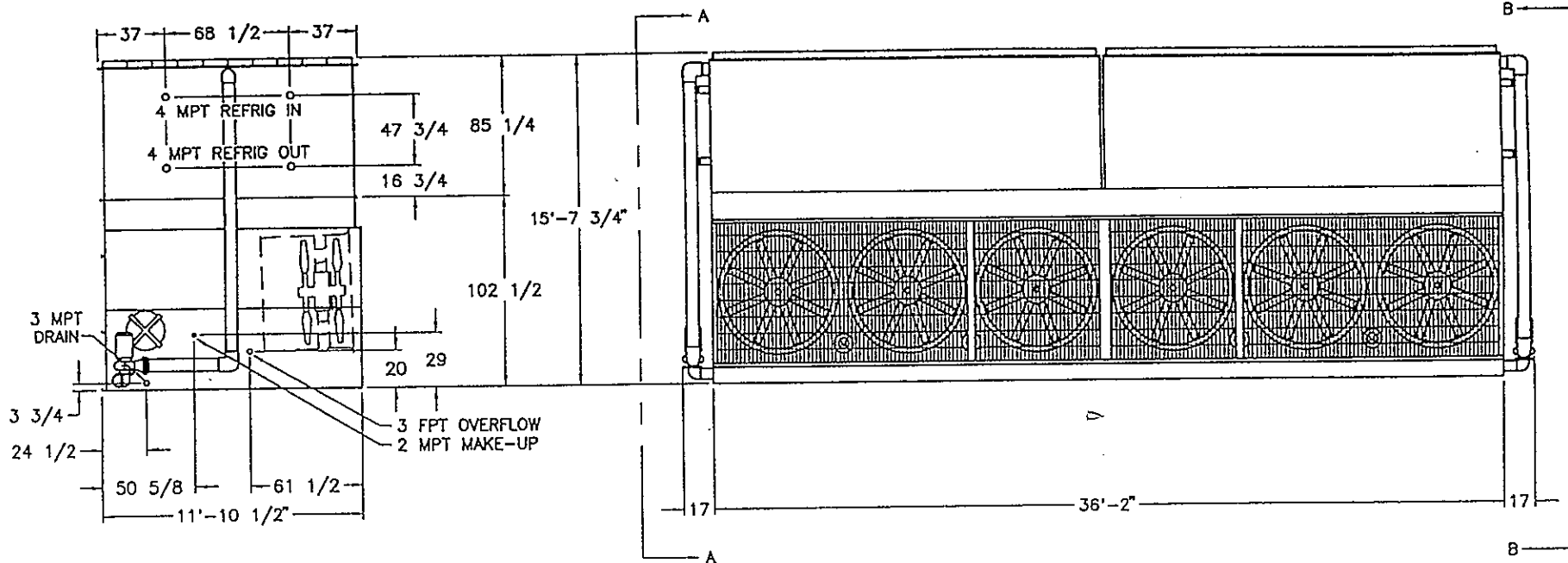


MECHANICAL SPECIFICATIONS

**EVAPCO POWER-MIZER EVAPORATIVE CONDENSERS
AND CLOSED CIRCUIT COOLERS**

EVAPCO SERIAL NUMBER 974741M

UNIT TYPE	All hot-dip galvanized steel, factory assembly, counterflow blow through.
CONSTRUCTION	Pan constructed of heavy gauge mill hot-dip galvanized steel. All galvanized steel is coated with a minimum of 2.35 ounces of zinc per square foot of area (G-235 designation). Pan-Fan section includes vane-axial type fans and drives mounted and aligned at the factory. All fan components are located in the dry entering air stream. During fabrication, all panel edges are coated with a 95% pure zinc-rich compound.
MAKE-UP FLOAT VALVE ASSEMBLY*	Brass float valve with adjustable, unsinkable, foam-filled plastic float.
STRAINER*	All type 304 stainless steel construction with large area removable perforated screens.
ACCESS	G-235 hot-dip galvanized steel circular access doors held in place by wingnuts.
BLEED-OFF*	Waste water bleed line with adjustable valve provided.
PUMP*	Vertically installed closed-coupled centrifugal pump with mechanical seal installed to drain on shut-down. Totally enclosed motor suitable for outdoor operation provided with protective canopy.
FANS	Fans are vane-axial type constructed of cast aluminum alloy blades. They are arranged in two-stage system installed in closely fitted cowl with venture air inlet and air stabilizing vanes.
FAN SHAFT	Solid shaft of ground and polished steel. Exposed surface coated with rust preventative.
BEARINGS	Heavy-duty, self-aligning grease packed ball bearings with eccentric locking collars. Grease fittings extended to outside of unit.
FAN DRIVE	Solid backed power band constructed of neoprene with polyester cords and designed for 150% of motor nameplate horsepower.
FAN MOTOR	Totally enclosed, ball bearing type with 1.15 service factor suitable for outdoor service. Mounted on an adjustable motor base.
FAN GUARD SCREEN	Hot-dip galvanized steel screens, 1/2" x 4" wire mesh.
HEAT TRANSFER CASING CONSTRUCTION	G-235 hot-dip galvanized steel panel construction, separable from pan section.
COIL	Thermal-Pak coil design of all prime surface steel, encased in steel framework with entire assembly hot-dip galvanized after fabrication. Designed with sloping tubes for liquid drainage and tested to 350 psig air under water. (Patent No.4755331)
WATER DISTRIBUTION SYSTEM	Precision molded ABS spray nozzles with large 1" x 1/2" orifice and internal sludge ring to eliminate clogging. Nozzles are threaded into Schedule-40 Polyvinyl Chloride (PVC) headers equipped with removable end plugs for ease of cleaning.
ELIMINATORS	Constructed entirely of inert Polyvinyl Chloride (PVC) in easily handled sections. Design incorporates three changes in air direction and with hooked leaving edges arranged to direct discharge are away from fans.



NOTES:

1. (M) - FAN MOTOR LOCATION
2. MAKE-UP WATER PRESSURE 20psi MIN. 50psi MAX.
3. 3/4" DIA. MOUNTING HOLES. REFER TO RECOMMENDED STEEL SUPPORT DRAWING
4. HEAVIEST SECTION IS COIL SECTION
5. ALL NIPPLE LOCATIONS ARE APPROXIMATE DIMENSIONS. DO NOT USE FOR PRE-FABRICATION OF CONNECTING PIPING.
6. VIEW B-B SAME AS VIEW A-A LESS MAKE-UP AND DRAIN CONNECTIONS, OPPOSITE HAND.
7. MPT DENOTES MALE PIPE THREAD.
8. FPT DENOTES FEMALE PIPE THREAD.

WEIGHTS			NO. SHIPPING SECTIONS
SHIPPING	OPER.	HEAVIEST SECTION	
70310	91180	26560	3

MODEL NUMBER (1) PMCB 1770 CONDENSER
 CERTIFIED FOR _____ TAG _____
 CUSTOMER ORDER NO. _____
 CAPACITY 1255 T.R. R-717 EVAPCO NO. 974741M
 FAN MOTOR (2) 30 & (2) 15 REFRIG. 96.3 °COND 20 °SUCTION 78 °W.B.
 PUMP MOTOR (2) 7.5 H.P. ELEC. SPEC. 460/60/3
 H.P. ELEC. SPEC. 460/60/3
 REMARKS _____



EVAPORATIVE CONDENSER

REV _____ DATE 2/5/97 JBF

CP123612ERA-ST

EAPCO®, INC. MIDWEST

-----FINAL INSPECTION RECORD-----

SERIAL # 974741M			PAN	MECHANIC Terry Jopp Scott	INSPECTOR Waisel	DATE 2-25-96
MODEL # PMCB-1770			CASING	TECHNICIANS Kenny Matt Tony	INSPECTOR Waisel	DATE 2-25-96
LH	RH	REMOTE	FAN	TOPP + SCOTT	INSPECTOR Waisel	DATE 2-25-96
TYPE OF SEALER TAPE USED			FLAT	HAT	O-RING	

FAN MOTORS				SERVICE FACTOR 1.25	VOLTS 208 230/460	PHASE 3	HZ 60
1	MFG U.S.	TYPE UT	HP 30	RPM 1765	FRAME 286T	SERIAL A012362R050F	
2	U.S.	UT	15	1765	254T	A012340R151F	
3	U.S.	UT	15	1765	254T	A012340R151F	
4	U.S.	UT	30	1765	286T	A012362R050F	
5							
6							
TESTED AMPS		NAMEPLATE AMPS		TEST SHEET ATTACHED		YES	NO

30HP 84.7/76.2/38.1
15HP 43.3/39.2/19.6

DRIVE INFORMATION		BEARINGS GREASED		YES	NO
DIRECT DRIVE	DRIVER BUSHING SD1 1/2 / SD5 1/2	DRIVER SHEAVE 4B62/2B62	BEARING SIZE RA01 1/2		
BELT SIZE 2BX128	DRIVEN BUSHING SK1 1/2	DRIVEN SHEAVE 2B15.4	BEARING SIZE		

FAN INFORMATION			AT	PROP <input checked="" type="checkbox"/>	CENT.
SIZE 60"	MFG Balsco	# OF BLADES 12	BUSHING SIZE Q1 1 1/2	PROD. PITCH	FINAL PITCH
CAPACITY CONTROL DAMPERS		YES	NO <input checked="" type="checkbox"/>	TESTED	YES

PUMP MOTORS			VOLTS 208 230/460	PHASE 3	HZ 60	SERVICE FACTOR 1.25
1	MFG U.S.	HP 7 1/2	AMPS 22.4 20.6/10.3	RPM 1745	FRAME 213JM	SERIAL # Z1223100 212F
2	U.S.	7 1/2	22.4 20.6/10.3	1745	213JM	Z1223100 212F
3						
4						

