



Evaporator **EM-17**

MCC's EM-17 rear ceiling mount air conditioning evaporator has been specifically engineered for use in vehicles with an overall length of 35 – 40' (1067 – 1219 cm) and which are used in the severest of climates and operating conditions. This unit was designed with the term “heavy-duty” in mind: from its long life large frame transit style

motors to its own power supply being generated by a 24V batteryless alternator. This is the unit that needs to be experienced to be appreciated. It has conquered transit-duty school bus applications in the desert, now let it conquer your unique application.

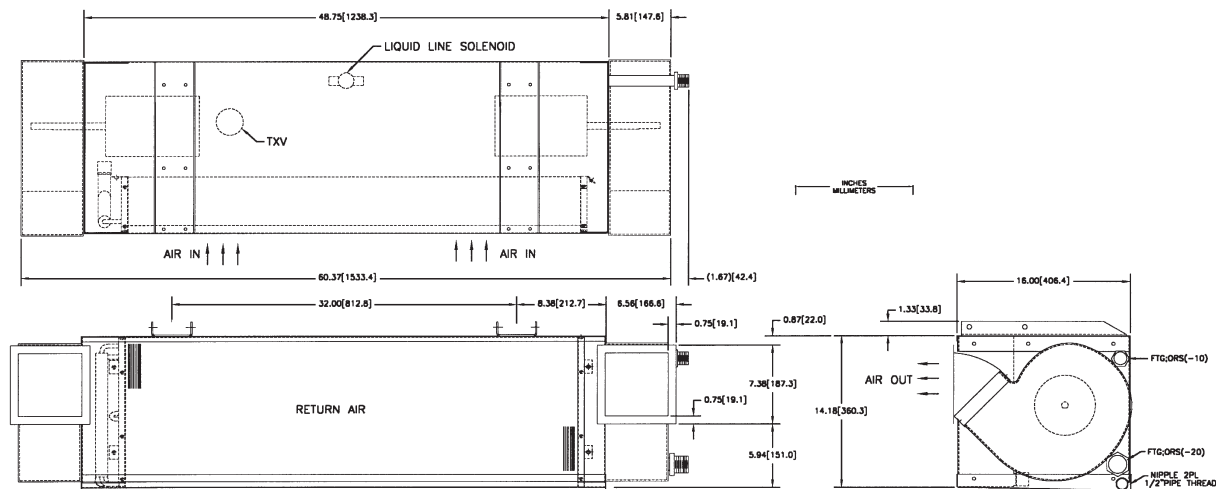


Features

- Internally-enhanced rugged coil design delivers the highest capacity in its class while using R134a as its refrigerant
- Heavy-duty steel frame construction coupled with stainless steel fasteners equal rugged construction
- The highest air volume in its class is generated by two re-buildable 56-series cast frame constructed motors which drive two large diameter metal scroll blower wheels. This is then evenly dispersed through the use of ductwork to provide total passenger comfort
- State-of-the-art electronic controls are incorporated to provide minimum wiring, improved reliability, and maximum protection
- All refrigerant connection points are O-ring for added leak protection and are coupled with hoses constructed to meet or exceed SAE SPEC J2064 Type E
- A vinyl-clad steel cover is included in your choice of two colors (snow white or dove gray) which are custom fit to your vehicles unique contours
- A durable aluminum mesh filter is mounted in an easy-to-service hinged air return grill for minimized service time and maximum operating time

Evaporator EM-17

MCC Evaporators



Technical Data

Cooling capacity	130000 Btu/hr (38 kW) IMACA ^[1]	32760 Btu/hr (9.61 kW) ARI ^[2]
Air flow	2400 CFM (4080 m ³ /hr)	
Refrigerant	R134a	
Length	62.04" (1576 mm)	
Width	16" (406.4 mm)	
Height	15.5" (394 mm)	
Weight	196 lbs (89 kg)	
Condensate drain connection	½" (12.7 mm) MPT	
Max amperage requirement	57 amps at 27 VDC (Rated @ high speed and ½" static)	
Cooling coil	6 rows deep, galvanized steel tube sheets with internally enhanced 0.4" (9.5 mm) diameter copper tubes expanded into 0.006" (0.15 mm) aluminum fins	
Motors	Fully re-buildable 56-series frame construction capable of a constant duty design life rating of no less than 10000 hours. Motor shafts are a series-300 stainless steel for corrosion resistance. Motors are two speed (hi/low) through use of an external voltage dropping resistor.	
Blowers	Heavy gauge metal center type, dynamical balanced for quiet operation.	
Blower housings	Steel construction coated with a heat-resistant sound dampening foam to aid in noise reduction	
Expansion valve	Externally equalized right-angle valve with a replaceable power head and cage assembly. The superheat is factory preset.	
Return air filter	Constructed of a durable aluminum mesh (rated to pass FMVSS302)	

[1] IMACA conditions: 100°F (38°C) / 90°F (32°C) / 50% RH

[2] ARI conditions: 95°F (35°C) / 80°F (27°C) / 50% RH

