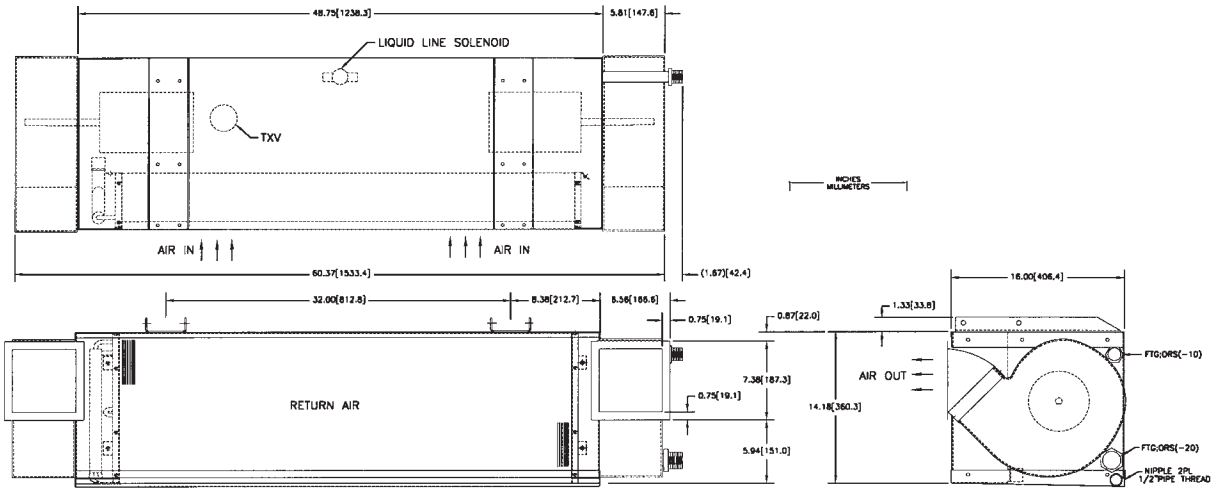
Evaporator **EM-17**

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 R-134a 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



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	16” (406.4 mm)
Width	48.75” (1238.3 mm)
Height	15.5” (394 mm)
Weight	196 lbs (89 kg)
Condensate drain connection	½” (12.7 mm) O.D
Current draw	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	Rated at 2060 CFM (3500 m^3/hr) @ 0.5” (13 mm) static @ 27 volts and 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