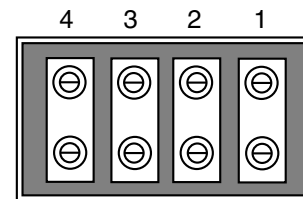


Model MAA150T-12

MAA150T-12/24

The MAA150T-12/24 Thermoelectric air conditioners are designed for electronic cabinets and environmental chambers. They can cool to 72°F below ambient or maintain ambient temperatures while removing up to 150 BTU/Hr (@ 77°F ambient). These models are available in 12 or 24 VDC configurations. Because there is no air exchanged between the cabinet and the ambient, the MAA150T-12/24 series are ideal for NEMA 12 requirements. These air conditioners are virtually maintenance-free, with no filters to change, and they can be mounted in any orientation, offering design flexibility with solid-state reliability.

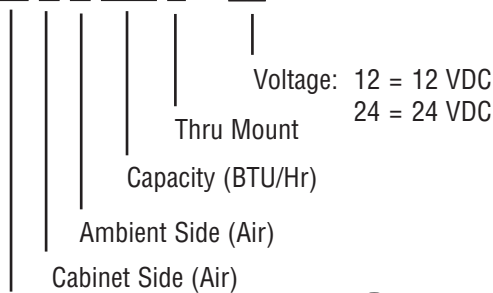
Wiring Schematic (Power Connector)



Position	Description
1	TEC +
2	TEC -
3	FAN +
4	FAN -

Model Number Nomenclature

M A A 150 T - ___



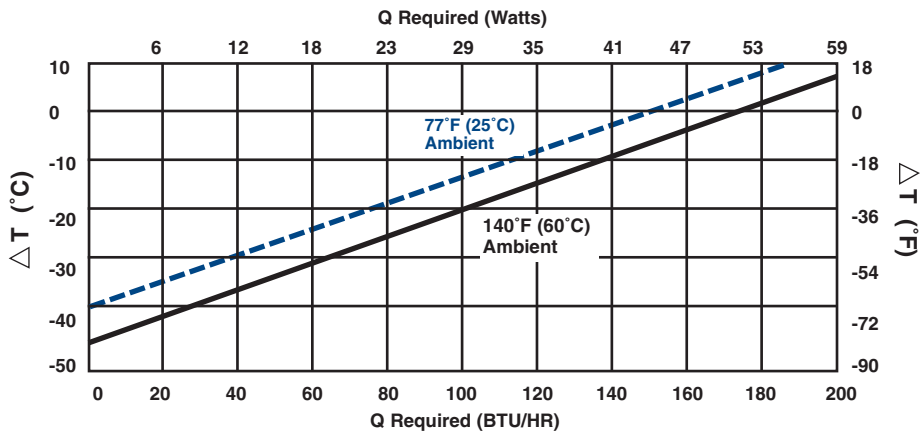
MELCOR



Specifications:		
Model:	MAA150T-12	MAA150T-24
Capacity	150 BTU/Hr (44 Watts)	150 BTU/Hr (44 Watts)
Input Voltage	12 VDC	24VDC
Max. Ambient Temp. **	140°F / 60°C	140°F / 60°C
Current (Running)	9.5 amps	4.5 amps
Weight	4.4 lbs. (2.0 kg)	4.4 lbs. (2.0 kg)
Rating Maintained	NEMA 12	NEMA 12
Overall Dimensions	8.0" H x 5.5" W x 6.4" D 203mm x 140mm x 165mm	8.0" H x 5.5" W x 6.4" D 203mm x 140mm x 165mm

** Consult MELCOR for higher ambient temperature.

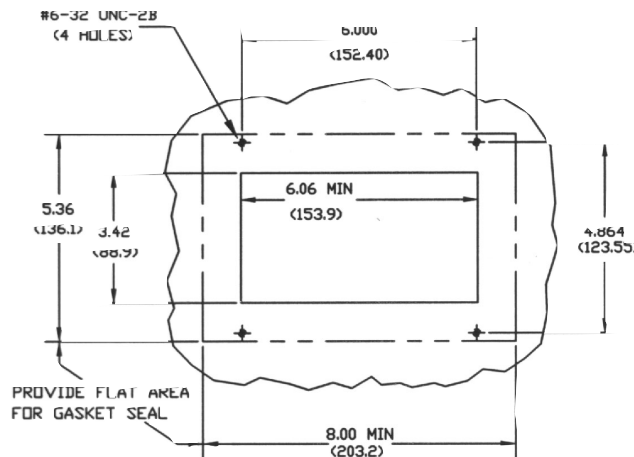
Performance Curve: MAA150T-12/24 Series



Important:
 The air conditioner performance curves are dependent upon active and passive heat loads. To calculate passive cabinet heat gain, see the instructions on pages 6 and 7. For assistance contact MELCOR.

$\Delta T = T_{max \text{ Cabinet}} - T_{max \text{ Ambient}}$

Installation Cutout



Dimensional Drawing

Inches (mm)

