



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



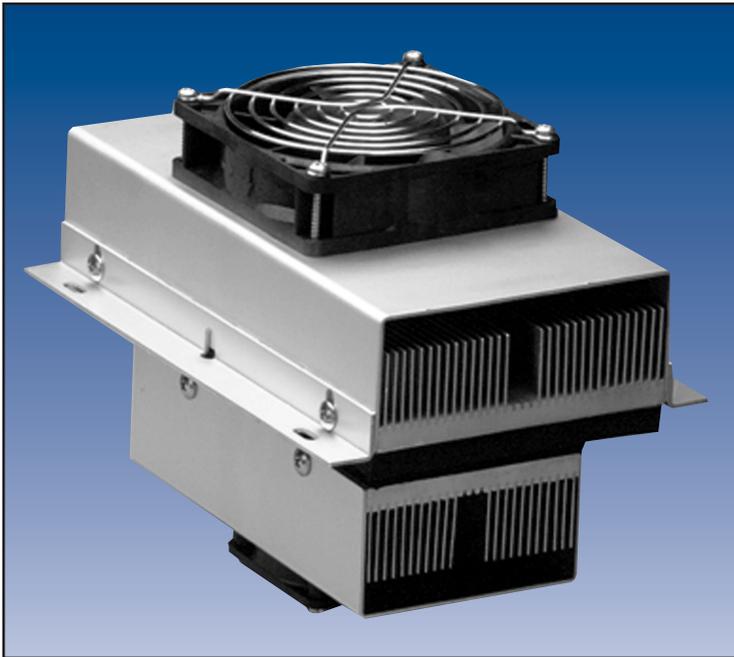
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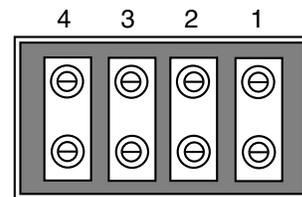


Model MAA150T-12

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.

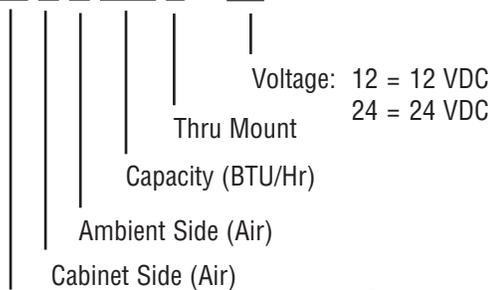
Wiring Schematic (Power Connector)



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

Model Number Nomenclature

M A A 150 T - ___



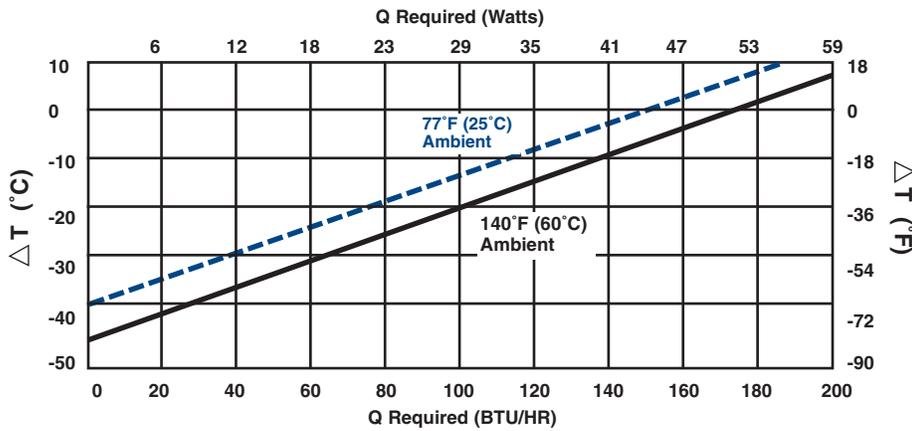
MELCOR



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.

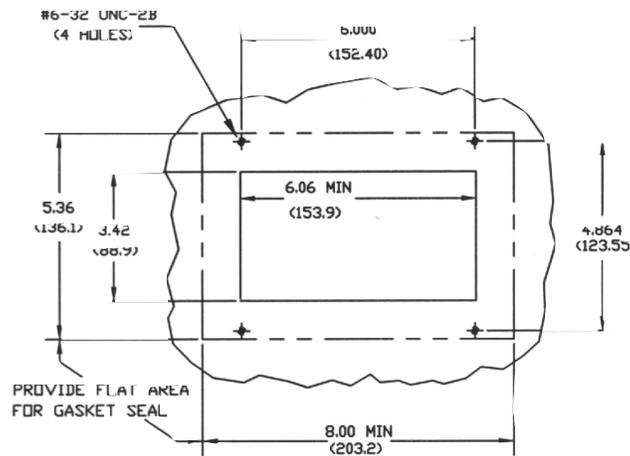
Performance Curve: MAA150T-12/24 Series



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)

