

# Air to Air Thermoelectric Assembly

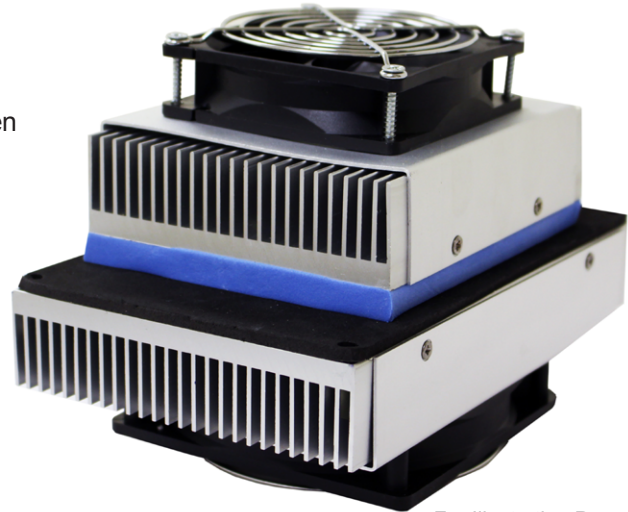


## ATS PART# ATS-WFF-60W-12-C

ATS' air to air thermoelectric assemblies are heat exchangers that remove heat from an enclosure and are designed for temperature regulation of small electronic cabinets or enclosures. They are often used when it is better to circulate cooled air rather than use direct contact with a cold plate.

### FEATURES & BENEFITS

- » Compact and lightweight
- » Can be mounted in any orientation
- » No compressor
- » Virtually maintenance free
- » Simple quick installation
- » Air to air heat exchanger
- » Quiet operation
- » Uses thermoelectrics



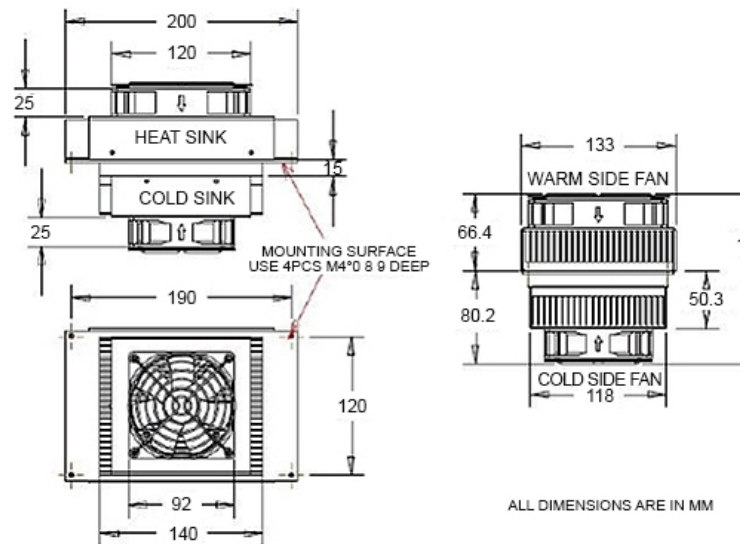
For Illustration Purposes ONLY.

### SPECIFICATION

Max Cooling power	28W @ $\Delta T = 0^{\circ}\text{C}$
TEC Voltage	12 VDC
TEC Current	7.3A
Fan Voltage	12 VDC

### APPLICATIONS

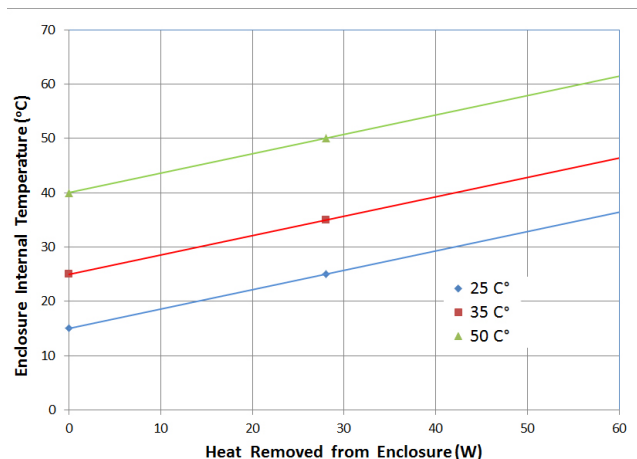
- » Enclosure or cabinet cooling
- » Electronics cooling
- » Medical, surgical and biological process cooling
- » Thermal management
- » Medical equipment
- » Refrigerators and water coolers
- » Industrial storage and food transportation



ALL DIMENSIONS ARE IN MM

### Product Detail

Max Cooling Power	TEC Voltage	TEC Current	Hot Side Fan	Cold Side Fan	Operational Temperature	Dimensions (mm)	Weight
28W	12V	7.3A	120x120x25 mm 12V, 0.3A	92x92x25 mm 12V, 0.2A	-10° – 70°	200x133x146.6	2.6 Kgs



### NOTES:

1. Please use 12 VDC power supply with the ripple less than 10%
2. Please do not drop, or the TEC can get damaged.
3. Please keep 10cm distance from walls for proper ventilation when mounting.
4. Please do not use it when temperature of the assembly or environment is higher than 70°C.
5. The graph is an example of when cabinet temperature is 50°C and the ambient temp is 50°C, the cooler can transfer 28W heat from the cabinet to outside.
6.  $\Delta T = T_{\text{enclosure}} - T_{\text{ambient}}$



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