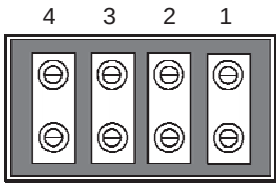
CUSTOM THERMOELECTRIC
Your Thermoelectric Partner

ATL-080-24

ATL-080-24 air to liquid heat exchangers are designed for liquid cooling electronics. They can cool to 72F below ambient or maintain temperatures while removing up to 78 watts of heat. The assembly uses 24 volts DC. These assemblies are almost maintenance free, with no filters to change, can be mounted in any orientation, and offer solid state reliability.

Wiring Schematic (Power Connector)



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

Specification:

Model	ATL-080-24
Cooling Method	air to fluid
Cooling Objective	Purified water
Cooling objective Contact Part	Aluminum, partially copper
Cooling Capacity (*1)	80W
Fan Input Voltage	24VDC
Peltier Input Voltage	24VDC
Rated Consumption Current (*2)	5.1A
Starting Current (*3)	6.2A
Working Humidity	Below 80%
Max Ambient Temperature	60 degree
Overheat protection	no
Electrical Connection	Screw
Noise	45 dB
Site of Use	Indoor
Outer diameter of Pipe Connecting	dia 9.5mm
Dimensions (*4)	203x155x147mm
Mass of Main Unit	est. 3.12kgs

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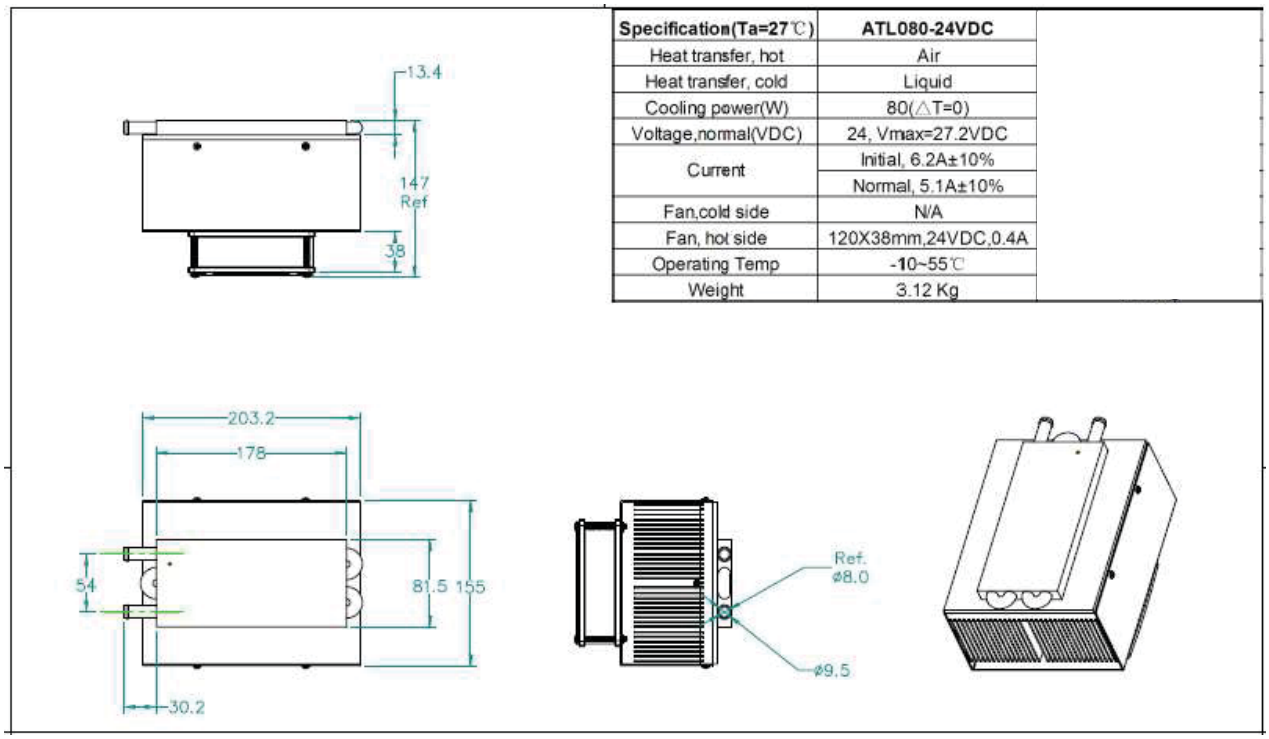
Remarks:

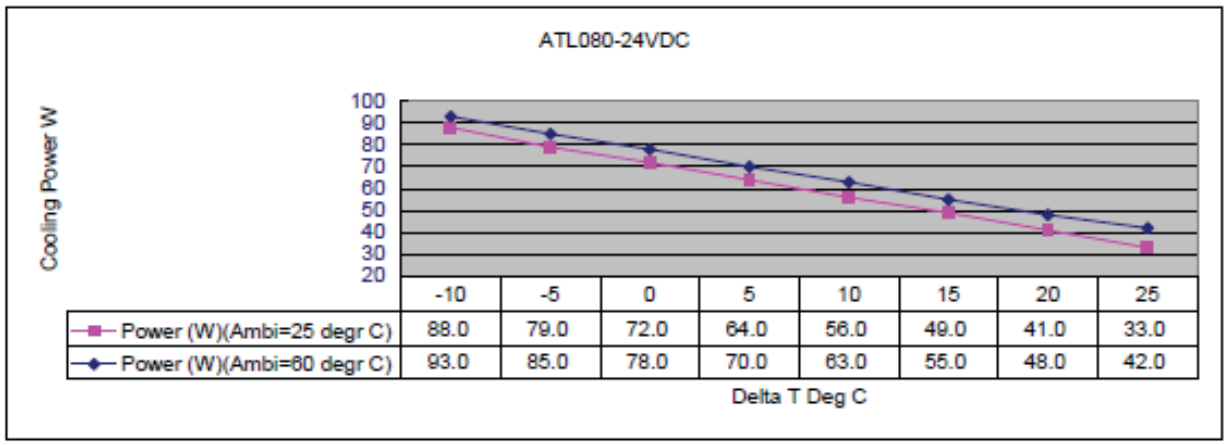
*1 Ambient temperature at 25 degree.
*2 Ambient termperature at stable 25 degree.
*3 Ambient termperature at stable 25 degree
*4 Terminal board and other projected parts are excluded.

Dimensional Drawing **(mm)**

Specification(Ta=27℃)	ATL080-24VDC
Heat transfer, hot	Air
Heat transfer, cold	Liquid
Cooling power(W)	80(△T=0)
Voltage,normal(VDC)	24, Vmax=27.2VDC
Current	Initial, 6.2A±10%
	Normal, 5.1A±10%
Fan,cold side	N/A
Fan, hot side	120X38mm,24VDC,0.4A
Operating Temp	-10~55℃
Weight	3.12 Kg



Performance Curve:



Delta T (T ambient- T Cabinet, degree C)