LQ-AR-300-24-ADV

Adaptive Value - Liquid to Air Thermoelectric Cooler Assembly

About Adaptive Cooler Assemblies

Adaptive thermoelectric cooling assemblies come in direct to air, air to air and liquid to air variations comprising thermoelectric cooler module/s, heat exchangers, fan/s and thermal interfaces which are optimised for effective heat transfer.

European Thermodynamics are specialists in thermal management and thermoelectrics, developing the high performance thermoelectrics products and materials of the future.

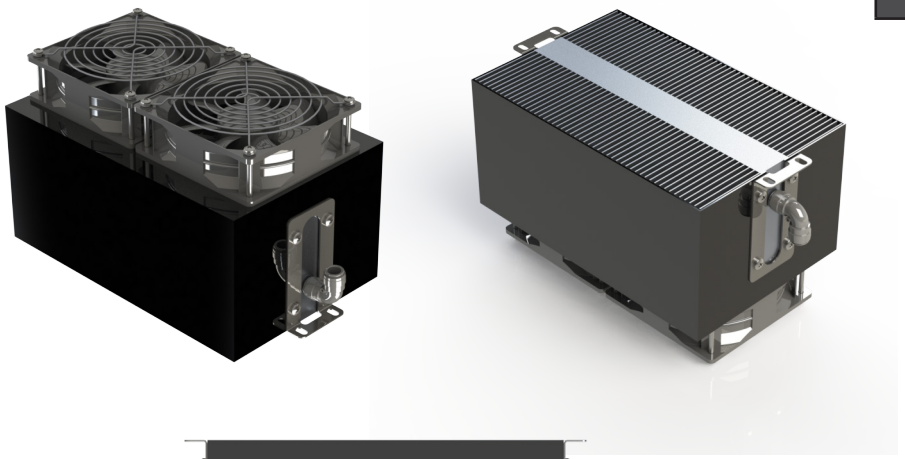
Liquid-to-air type thermoelectric assembly to meet demands of higher COP, lower consumption and high performance. Temperature of liquid outlet is adjustable ranging from 0 to 40 degrees Celsius with accuracy 1 degree Celsius.

Data

Maximum cooling power	[W]	300
Nominal voltage	[V]	24
Maximum voltage	[V]	31.4
Maximum current	[A]	15 / Start: 18
Power input	[W]	360
Operating temperature	[°C]	-10 to 45
Weight	[kg]	5.48
Performance tolerance	[%]	10
L10 of fans at 40°C	[hrs]	Hot side:70121

Benefits

- Compact design
- High reliability
- ROHS/REACH compliant
- Low noise
- Precise temperature control



Applications

- Medical analysis
- Laser cooling

Recommended for use

- JUNIOR PID PWM Thermal Controller - accurate to 0.5° (ADJ-48-450-UR) or
- CYCLO Servo PWM Thermal Controller - accurate to 1° (ADC-48-450-U)

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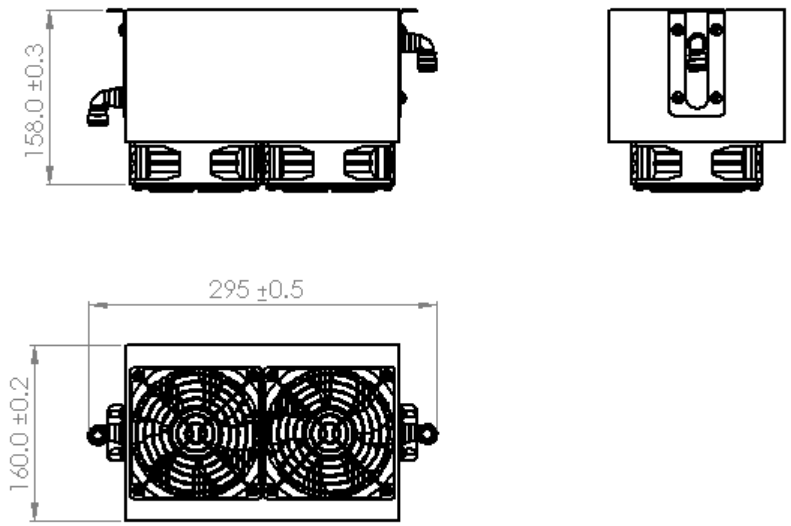
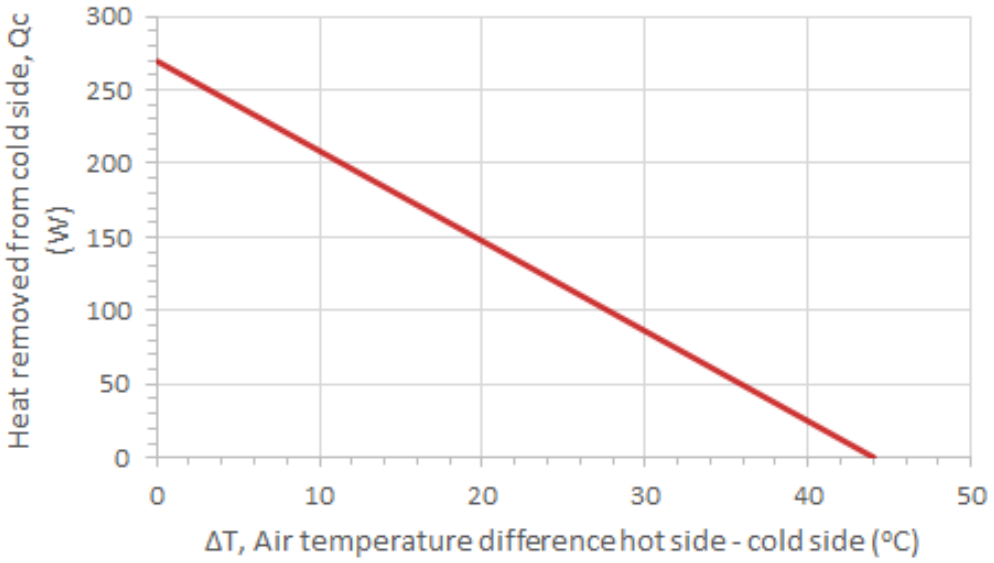
Diagram & Dimensions



Performance graph



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