TAT Israel

Elevate Your Mission with the Ultimate ECU for Military Shelters

Unveiling the new 5T ECU - Your Strategic Advantage in Environmental Control Units

Discover the cutting-edge 5-ton Environmental Control Unit (ECU) designed to revolutionize military operations.
As you embark on critical missions, choose a solution that stands out in the most challenging environments without compromise.

Key Features:

1. Unmatched Cooling Capacity:

TAT's 5T ECU ensures superior performance in extreme conditions, outshining the competition.

2. Adaptability for Any Scenario:

Ground, off-road, railroad, airborne, or sea transportation - the 5T ECU is engineered for versatility, offering seamless deployment in diverse operational scenarios.

3. Space-Efficient Stackable Design:

Utilizing the 463L pallet transportation standard, our unit allows stacking of up to 4 ACUs, optimizing space during transit and storage.

4. Robust Construction yet light weight:

Designed for minimal maintenance and repairs, our heavy-duty welded Aluminum cabinet guarantees long-term reliability. 10% less in weight.

5. Precise Control with Advanced Technology:

Featuring a digital controller with a full-color 3.5" touch display, the 5T ECU provides precise temperature control and user-friendly operation.

6. Conditional Based Maintenance (CBM):

- Improve system reliability
- Decrease maintenance costs

Technical Excellence, Specifications at a Glance

Why choose the TAT's 5T ECU?

The ECU is designed to outperform the competition in any condition while being the lightest in the industry using, a heavy-duty welded Aluminum cabinet, contributing to its overall efficiency. We guarantee the best performance per size!

In the face of extreme conditions, trust TAT's ECU to elevate your mission. Embrace innovation, reliability, and superior performance with a military ECU designed for mission success.

Technical specification:

Cooling Capacity:

- Cooling capacity at ambient 35ºC (95ºF): 72,000 BTU/H (21 KW) @50Hz
- Cooling capacity at ambient 55ºC (131ºF): 60,000 BTU/H (18 KW) @50Hz

Power Supply:

- Voltage supply: 3x230VAC ±10%
- Frequency: 50Hz ±5%

Environmental Operating Range:

- Operation at Cooling: -20°C to 55°C
- Operation at Heating: -40°C

Power Consumption:

- Maximum current consumption: 21A per phase - ambient 55ºC (131ºF)
- Nominal current cooling mode: 18.6A per phase - ambient 35ºC (95ºF)
- Maximum starting current: 106A (For less than 3 cycles)
- Maximum 21.5A at heating mode

Installation kit:

- 400mm, 1000mm ducting (supply and return air ducts)
- 1300mm power cable including power plug
- 1400mm control cable
- Optional: wheels kit

Weight and Dimensions:

- Weight: 208kg (including power, control and controller)
- Dimensions: 618mm x 1312mm x 1004mm

Three optional controllers:

- Digital controller
- Set-point rigid design
- Range control rigid design

Heating Capacity:

- 43,000 BTU/H (12.7 kW)

Refrigerant:

- R407c

TAT Israel

With over half a century of experience, TAT Israel has emerged as a leading provider of thermal management solutions for air, land, and sea platforms. From single components to comprehensive systems, TAT delivers innovative solutions that ensure optimal performance and reliability for our customers.

Contact our Sales Team

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