

# HDT E2CU-18K

Enhanced Environmental Control Unit (E2CU)



The HDT E2CU-18K is part of the next generation of Enhanced ECU's (E2CU's). The E2CU-18K delivers 18,000 BTU/H (2.6 kW) at 130°F (51.6°C) using the environmentally acceptable refrigerant R-410A. The E2CU delivers Energy Efficiency Ratings (EERs) 20% or more higher than the current ECU's available in the market (as measured in BTU/W). It is designed to the USMC-Enhanced Environmental Control Units (E2CU) interface and performance requirements.

The HDT E2CU-18K is GSA listed as a COTS Ruggedized ECU and has undergone MIL-SPEC tests for MIL-STD 810, vibration, MIL-STD 810F, salt fog, high and low temperature tests per IAW ASHRAE STD 37 and IAW MIL-STD 461E-Method RE-102 radiated emissions and Method CS101 conducted susceptibility.

The HDT E2CU-18K is equipped with comprehensive on-board diagnostics, inrush current limiting, fresh-air input through an independent fresh air fan system, and a two-speed evaporator blower. The unit includes a canvas condenser cover and a power cable.

## KEY FEATURES

- Verified performance capability:
  - 20,900 BTU/H at 95°F outdoor ambient, 80°F DB/67°F WB indoor ambient
  - 18,300 BTU/H at 125°F outdoor ambient, 90°F DB/75°F WB indoor ambient
  - 18,000 BTU/H at 130°F outdoor ambient, 90°F DB/75°F WB indoor ambient
- 14,000 BTU/H (4.1 kW) heating
- Maximum operating conditions: 130°F outdoor ambient and 130°F indoor return air temperature.
- R-410A high efficiency refrigerant, ozone friendly
- CBRN compatible
- Low inrush current
- Low power consumption
- Low noise
- Rugged design
- Optional 15' (4.57 m) remote cable
- Advanced diagnostics available on Green E2CU



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## SPECIFICATIONS

### Available colors

#### Green

HDT part number GS1H93ZAANWFX11

NSN 4120-01-599-7691

GSA

#### Gray

HDT part number 603-H012723-011

NSN N/A

GSA

**Refrigerant** R-410A

### ECU capacity

Cooling 20,900 BTU/H at 95°F 6.1 kW at 35°C

Heating 14,000 BTU/H 4.1 kW

### Power

Voltage (V/Phase/Hz) 208/3/50-60VAC

Max power 4.9 kW, 14.5 Amps

Circuit breaker 17 Amp. 3 Pole

### Physical characteristics

Dimensions (L x W x H) 28.25" x 30" x 20" 72 x 76 x 51 cm

Power cord length 25' 7.62 m

**System weight** 230 lbs 104 kg

**Operator controls** Local or remote (optional)

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

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