

HDT® NORDIC 18K EEECU

Energy Efficient Environmental Control Unit (EEECU)



The HDT 18K EEECU is part of the next generation of Energy Efficient ECUs (EEECUs) that delivers 18,000 BTU/H of cooling at 130°F (51.6°C) using the environmentally acceptable refrigerant R-410A. The 18K EEECU delivers Energy Efficiency Ratings (EERs) 20% higher than other ECUs available in the market (as measured in BTU/W) and is designed to the USMC-Enhanced Environmental Control Units (E2CU) interface and performance requirements. It 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 versatile, lightweight HDT 18K EEECU 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 that provides more comfortable heat by reducing the effect of evaporative cooling. The unit includes a canvas condenser cover and a power cable.

KEY FEATURES

- High and low speed blower
- 18,000 BTU/H cooling at 130 °F (5.3 kW at 54.4°C) and 13,660 BTU/H (4 kW) heating
- CBRN compatible
- Environmentally acceptable refrigerant R-410A
- Continuous-run refrigerant circuit for in-rush management
- Hot gas by-pass for low ambient control
- Electro-coated coils for corrosion resistance
- Externally accessible charging ports and pressure readings
- Easily accessible circuit breaker
- Four recessed handles for lifting
- A liquid sight glass visible from the outside of the unit
- Canvas cover for the condenser for travel or storage mode
- Front or side power connection points
- Optional 15 ft (4.57 m) remote cable
- Verified Performance Capability:
 - 20,975 BTU/h at 95°F outdoor ambient, 80°F DB/67°F WB indoor ambient.
 - 18,380 BTU/h at 125°F outdoor ambient, 90° F DB/75° WB indoor ambient.
 - 18,440 BTU/h at 130°F outdoor ambient, 90° F DB/75° WB indoor ambient.
- Maximum Operating Conditions: 130°F outdoor ambient and 130°F indoor return air temperature



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Ordering information

HDT Part Number (Green)	GS1H93ZAANWFX11
NSN (Green)	4130-01-599-7691
HDT Part Number (Tan)	GS1H93ZAANWFX21
NSN (Tan)	

Power	208VAC /3 Phase / 50 – 60 Hz
Circuit Breaker	17 Amp, 3-Pole

Refrigerant	R-410A
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Capacity		
Cooling	20,975 BTU/H at 95°F	6.15 kW at 35°C
Heating	13,660 BTU/H	4 kW

Physical characteristics		
Size (L x W x H)	28.25" x 30" x 20"	72 x 76 x 51 cm
Power Cord Length	25'	7.62 m
Weight	230 lb	104 kg

Operator controls	Local or Remote (Optional)
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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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