



Design Features

- This compact ECU will operate on high and low speed. Cool: 18,000 BTU. Heat: 14,000 BTU
- A canvas cover for transport or storage mode
- A liquid sight glass visible from the outside of the unit
- Access port for reading system pressure and refrigeration charging are located outside the enclosure
- An hour meter for preventive maintenance planning
- Easily accessible circuit breakers for power and control voltage are provided
- A phase monitor prevents damage from an improper power supply connection
- Front or side power hook up points

Nordic's Military ECUs are designed to withstand the most severe environments and conditions. Heavy duty, but light weight aluminum construction. This ECU is designed for quick, easy transport and hook-up.

Applications: *The Mil-Spec and COTS are designed for cooling and heating expeditionary shelters, hardwall shelters, vans and ISO containers.*



Specifications **18K Military ECU**

Ordering information	
HDT part number	GS1H83ZAANWY011
NSN number	4120-01-581-0399
Weight	228 lbs. 103.4 kg
Size (LxWxH)	28.25" x 30" x 20" 72x 76 x 51 cm
Power	208V/3/50/60 Hz
Refrigerant	R-407C
Capacity	
Cool High Speed	18,000 BTU
Heat High Speed	14,000 BTU
Accessories	
Available	Power Cord

The versatile compact 18K Nordic ECU has been tested and passed the following MIL-Standards and ASHRAE Capacity and Test Standards.

- **Vibration Tested:** IAW MIL STD-810, 514.5 60 min per axis, sinusoidal cycling 5-200-50Hz, 12 minute sweep, acceleration level 1.5g.
- **Capability Tested:** IAW ASHRAE STD 37. 18,600 BTUs at 95 degrees OAT 80/67 indoor dry bulb/wet bulb. 16,095 BTUs at 125 degrees OAT, 90/75 indoor dry bulb/wet bulb.
- **EMI:** Tested IAW MIL STD-461E, Method RE102, radiated emissions, electric field 2 MHz to 1 GHz. Method CE102, conducted emissions, power leads, 10KHz to 10 MHz Method CS101, conducted susceptibility, power leads, 30 Hz to 150 Hz. Method RS103, rated susceptibility, electric field, 2 MHz to 30 GHz.
- **Low Temperature Operation (cooling):** Tested IAW ASHRAE STD 37, 20 degree F OAT with 70 degree F return air.
- **High Temperature Operation (cooling):** Tested IAW ASHRAE STD 37, 125 degree F OAT with 125 degree F return air.
- **Salt Fog:** Tested IAW MIL STD 810F, Method 509.4. 48 Hour exposure, 48 hour drying time.
- **Sound:** Less than 85db, measured 1 meter from the condenser fan discharge.

HDT Global
30500 Aurora Road, Suite 100
Solon, OH 44139 USA
P 800.969.8527
F 440.248.1691
sales@hdtglobal.com