



Design Features

- A storage compartment inside the ECU allows easy access to two 10' lengths of 12", one 10' length of 18" insulated flexible ducts, a 50 foot power cable and a remote control with cable.
- All openings for supply and return air have covers for transport or storage.
- A liquid sight glass is visible from the outside of the enclosure so refrigerant level can be determined without opening the ECU.
- Access ports for pressure readings and refrigeration charging are located outside the enclosure.
- Four eye attachment points are provided for lifting and tie down.
- An hour meter for preventive maintenance planning
- Easily accessible circuit breakers for power and control voltage
- The ECU can be mounted on an optional skid base for ease of movement
- Most spare parts (i.e. compressor and electrical component) are COTS products
- The unique bolted frame design allows for easy repair. All frame members are available as spare parts.
- A phase monitor is provided to prevent damage because of improper power supply connection.

With heavy duty yet light-weight aluminum construction, HDT Nordic ECUs are designed to withstand the most severe environments and conditions and are designed for quick, easy transport and hook-up.

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



Specifications **96K Military ECU**

Ordering information	
HDT part number	GL0883ZAADFWA11
NSN number	
Weight	726 lbs. 329 kg
Size (LxWxH)	75" x 34.06" x 39.25" 191 x 87 x 99.7 cm
Power	208V, 50/60 Hz
Refrigerant	R-407C
Capacity	
Cooling	96,000 BTU
Heating	47,000 BTU
Controls	Local and remote with 50ft. cord
Power Cord	50ft
Ducts	Three 10' length, insulated

The versatile HDT Nordic 96K ECU has been tested and passed the following MIL-Standards and ASHRAE Capacity Test Standards.

- **Vibration Tested:** IAW MIL STD-810, 514.5 60 min per axis, sinusoidal cycling 5-200-5Hz, 12 minute sweep, acceleration level 1.5g.
- **Capability Tested:** IAW ASHRAE STD 37. 96,000 BTUs at 95 degrees OAT 80/67 indoor dry bulb/wet bulb. 90,000 BTUs at 125 degrees OAT/75 67 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, 10 kHz to 10 MHz. Method CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz. Method RS103, rated susceptibility, electric field, 2 MHz to 30 GHz.
- **Low Temperature Operation (cooling):** Tested IAW ASHRAE STD 37, 20°F OAT with 70°F return air.
- **High Temperature Operation (cooling):** Tested IAW ASHRAE STD 37, 125°F OAT with 125°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.

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