



U.S. Military rated

Developed for the **US ARMED FORCES**

NORDICAIR for all your HVAC needs

Environmental Control Units

ECU Military

Environmental Control Units



125°F

Green

Desert Tan

Environments don't get any harsher than this. **Nordic Air's** Military ECUs are designed to take the most severe abuse. Heavy duty, but lightweight aluminum construction. This versatile compact dual capacity 18K / 9K ECU is designed for easy handling and hook up. The dimensions of Nordic Air 18K / 9K is the same as the existing 18K equipment found in the field. This allows for easy change out.

Applications:

Mil-Spec and COTS designs for cooling and heating Tents, Shelters, Vans and ISO Containers.

Additional Capacities:

The Nordic Air Family of ECUs includes: 9K, 18K, 24K, 30K, 36K, 42K, 48K, 60K, 72K, 96K and 120K.



For All Your HVAC Needs Call Us Toll-Free

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The versatile compact 18K/9K Nordic Air ECU has been tested and passed the following MIL-Standards and ASHRAE Capacity and Test Standards.

V i b r a t i o n

Tested IAW MIL STD-810, 514.5 60 min per axis, sinusoidal cycling 5-200-50Hz, 12 minute sweep, acceleration level 1.5g.

C a p a b i l i t y

Tested IAW ASHRAE STD 37.18,600 /15,300 BTUs at 95 degrees OAT 80/67 indoor dry bulb / wet bulb. 16,095 /18,000 BTUs at 125 degrees OAT, 90/75 indoor dry bulb/wet bulb.

E M I

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.

S a l t F o g

Tested IAW MIL STD 810F, Method 509.4. 48 Hour exposure, 48 hour drying time.

S o u n d

Less than 85db, measured 1 meter from the condenser fan discharge.



Front view with remote control and cable shown



Rear view w/protective canvas cover stowed in the running position.

Design Features

- 1 This versatile compact ECU will operate in (2) cooling modes merely by turning a switch.
High Cool: 18,000 BTU. Low Cool: 15,000 BTU.
- 2 A canvas cover is provided for the condenser for transport or storage.
- 3 A liquid sight glass is visible from the outside of the enclosure so refrigerant level can be determined without opening up the ECU.
- 4 Access ports for reading system pressures and refrigeration charging are located outside the enclosure.
- 5 There are four handles provided for lifting.
- 6 An hour meter is provided for preventive maintenance planning.
- 7 Easily accessible circuit breakers for power and control voltage are provided.
- 8 A phase monitor is provided to prevent damage because of an improper power supply connection.
- 9 Most spare parts i.e. compressor and electrical components are COTS.
- 10 Front or side power hook up points.

Model Specification

Nordic Air Model Number: GS1H83ZAANWY011

Weight: 228 lbs.

Size (LxWxH): 28.25" x 30" x 20"

Power: 208 V, 50/60 Hz

Refrigerant: R-407C

Capacity High Speed, Cool : 18,000 BTU

Low Speed, Cool : 15,000 BTU

High Speed, Heat : 14,000 BTU

Low Speed, Heat : 7,000 BTU

Power Cord: Optional

