



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 ECU is designed for quick, easy transport and hook-up. Designed for the U.S Military around the world.

Applications:

Mil-Spec and COTS designs for cooling and heating Tents, Shelters, Vans, ISO Containers / Gen-Set / ECU packages

Additional Capacities:

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

NORDICAIR
INCORPORATED

For All Your HVAC Needs Call Us Toll-Free

1-800-533-5484

(440) 466-6640 Fax: (440) 466-2012

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

V i b r a t i o n

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

C a p a b i l i t y

Tested IAW ASHRAE STD 37. 96,000 BTUs at 95°OAT, 80/67 indoor dry bulb/wet bulb. 90,000 BTUs at 125 OAT, 90/75 67 indoor dry bulb/wet bulb.

E M I

Tested IAW MIL-STD-461E. Method RE102, radiated emissions, electric field 2MHz 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, radiated susceptibility, electric field, 2 MHz to 30 GHz.

Low Temperature Operation (cooling)

Tested IAW ASRAE STD 37. 20°F OAT w/70°F return air

High Temperature Operation (cooling)

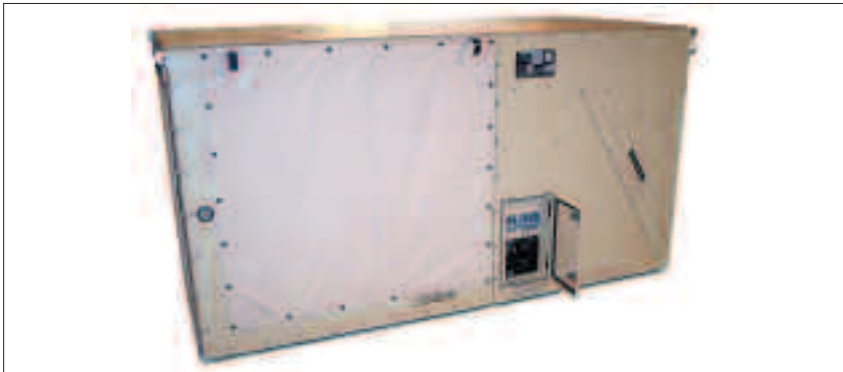
Tested IAW ASRAE STD 37. 125°F OAT w/125°F return air

S a l t F o g

Tested IAW MIL-STD-810F, Method 509.4 48 Hr. exposure, 48 Hr. drying time.

S o u n d

Less than 85 dB, measure 1m from the condenser fan discharge.



Side view w/protective canvas covers



Covers stowed/Rear view condenser coil and fan

Design Features

- 1 There is a storage compartment inside the ECU which is accessible by easy quarter turn fasteners. This compartment houses (2) 10' lengths of 12", (1) 10' length of 18" insulated flexible ducts, a 50 foot power cable and a remote control with cable.
- 2 All openings for supply and return air have covers for transport or storage.
- 3 A liquid sight glass is visible from outside the enclosure so refrigerant level can be determined without opening up the ECU.
- 4 Access ports for pressure readings as well as refrigerant charging are located outside the enclosure.
- 5 There are four eyes provided for lifting or tie down.
- 6 An hour meter is provided for preventative maintenance planning.
- 7 Easily accessible circuit breakers for power and control voltage are furnished.
- 8 The ECU can be mounted on an optional skid base for ease of movement.
- 9 Most spare parts i.e. compressor, electrical components are COTS.
- 10 The unique bolted frame design allows for easy repair if damaged. All frame members are available as spare parts.
- 11 A phase monitor is provided to prevent damage because of improper power supply connection.

Model Specification

Nordic Air Model Number: GL0883ZAADFWA11

Weight: 726 lbs.

Size (LxWxH): 75" x 34.06" x 39.25"

Power: 208 V, 50/60 Hz

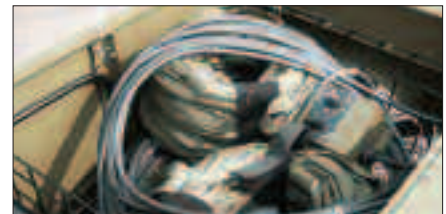
Refrigerant: R-407C

Capacity: Cooling-96,000 BTU/Heating-47,000 BTU

Controls: Local and Remote with 50ft. Cord

Power Cord: 50ft.

Ducts: (3) 10' lengths, insulated.



Storage Compartment

