



# ***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. These vertical skid mounts are 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 Container / 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 Skid Mounted 36K 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. 38,000 BTUs at 95°OAT, 80/67 indoor dry bulb/wet bulb. 34,100 BTUs at 125 OAT, 90/75 indoor dry bulb/wet bulb. 32,000 BTUs at 131 OAT, 90/75 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 Hz. 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 ASRAE 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.



Front view w/protective canvas covers



Covers stowed



Storage compartment



Front view, condenser coil side

*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" 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 is mounted on a 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.
- 12 A duct connection for NBC filtration equipment is provided.

*Model Specification*

**Nordic Air Model Number:** GL0383ZAADWYX11  
**Weight:** 468 lbs.  
**Size (LxWxH):** 47.62" x 37" x 42.5"  
**Power:** 208 V, 50/60 Hz  
**Refrigerant:** R-407C  
**Capacity:** Cooling-38,000 BTU/Heating-31,000 BTU  
**Controls:** Local and Remote with 50ft Cord  
**Power Cord:** 50ft.  
**Ducts:** (2) 10' lengths, Insulated

