



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 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 120K 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. 105,000 BTUs at 95°OAT, 80/67 indoor dry bulb/wet bulb. 123,800 BTUs at 125 OAT /125 indoor dry 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

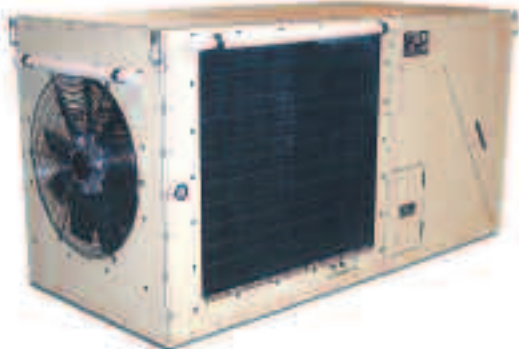
Tested IAW MIL-STD-810F, Method 509.4 48 Hr. exposure, 48 Hr. drying time.

S o u n d

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



Side view w/protective canvas covers



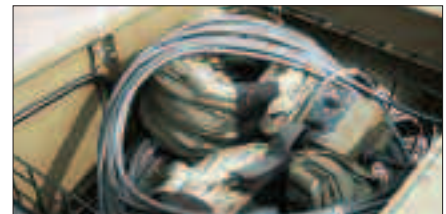
Covers stowed/Rear view condenser coil and fan

Design Features

- 1 There is an optional 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 30 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.
- 12 Standard trailer mounting points.
- 13 Load shedding and feedback.

Model Specification

Nordic Air Model Number: GL1083ZAADFWA14
Weight: 726 lbs., with skid base: 764 lbs.
Size (LxWxH): 75" x 34.06" x 39.25"
Size with skid base (LxWxH): 75" x 34.06" x 43.25"
Power: 208 V, 50/60 Hz
Refrigerant: R-407C
Capacity: 120,000 BTU
Controls: Local and Remote with 50ft. Cord
Power Cord: 30ft.
Ducts: (3) 10' lengths, insulated.



Storage Compartment



5455 Route 307 West, Geneva, OH. 44041

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