

60K MILITARY ECU

U.S. Military Rated, Developed for the U.S. Armed Forces



HDT's Military ECUs are designed to withstand the most severe environments and conditions. Heavy duty, but light weight aluminum construction. This ECU is designed for quick, easy transport and hook-up.

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

KEY FEATURES

- There is a storage compartment inside the ECU which is accessible by easy quarter turn fasteners. This compartment houses two 10 foot (3 m) lengths of 16" (40.64 cm) insulated flexible ducts, a 50 foot (15.24 m) 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 up the ECU
- Access ports for pressure readings and refrigeration charging are located outside the enclosure
- There are four eyes for lifting and tie down
- An hour meter for preventive maintenance planning
- Easily accessible circuit breakers for power and control voltage
- Skid base mounted
- The unique bolted frame design allows for easy repair. All frame members are available as spare parts.
- Phase monitor

The versatile skid mounted 60K ECU has been tested and passed the following MIL-Standards and ASHRAE Capacity and 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. 62,100 BTUs at 95 degrees OAT 80/67 indoor dry bulb/wet bulb. 54,200 BTUs at 125 degrees OAT, 90/75 indoor dry bulb/wet bulb. 50,500 BTUs at 131 OAT, 90/75 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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60K MILITARY ECU SPECIFICATIONS

Ordering information

Without remote, Green

HDT Part Number	62-N0604073PHGN
Mfg part number	GL0583ZAADWYX10
NSN	4120-01-581-2260
On GSA Contract	x

With remote, Green

HDT Part Number	62-N0604073PHRGN
Mfg part number	GL0583ZAADWYX11
NSN	4120-01-581-2260
On GSA Contract	x

Refrigerant	R-407C
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ECU Capacity

Cooling	62,000 BTU	18.2 kW
Heating	37,000 BTU	10.8 kW

Power	208V / 3-PH ; 50/60 Hz
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Dimensions

L x W x H	47" x 39" x 48"	119 x 99 x 122 cm
Power cord with connector options	50' length	15.24 m length
Two insulated ducts	10' length	3 m length

System weight	560 lbs	254 kg
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Controls

Cord length	50'	15.24 m
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