

HDT 60K LECU

CBRN-Compatible Protection Against Extreme Temperatures



The HDT Lightweight Environmental Control Unit (LECU) is a 60,000 BTU/H (17.6 kW) Improved Environment Control Unit (IECU) that operates in a chemical, biological, radiological, and nuclear (CBRN) environment and is compatible with such Joint Project Manager Collective Protective equipment as Collectively Protected Field Hospitals (CPFHs).

The US Air Force qualified the HDT 60K LECU for use with its Expeditionary Medical Support (EMEDS) program and the unit also functions with Army and Navy field hospitals. The LECU offers a high-pressure blower, phase protection, and optional continuous run (hot gas bypass). Field users favor the LECU for its simple, rugged design and easy maintenance and the small size and light weight allow 16 LECUs to fit onto a single 463L pallet.

KEY FEATURES

- Environmentally acceptable refrigerants
- Fully operational with 14 kW or higher generator sets
- CBRN compatible
- Full military qualification program
 - Reliability testing
 - Performance testing
 - Environmental testing
- Military-grade technical manuals available



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Ordering Information

HDT Part Number 60859A

NSN N/A

On GSA Contract N/A

Refrigerant R407C

Charge 9.5 lbs 4.3 kg

ECU Capacity*

Cooling Total 60,000 BTU/H 17.6 kW

Cooling Sensible 42,700 BTU/H 12.5 kW

Heating 41,000 BTU/H 12 kW

Energy Efficiency Ratio (EER)

Power

Voltage 120/208VAC, 3-phase, 50/60 Hz

Control 120VAC, single-phase, 50/60 Hz

Power Consumption 12.5 kW

Power Cable 20' 6.1 m

Soft start Optional

Connectors MS connectors

Operator Controls Remote provided with cables

Air flow

Evaporator 1,550 SCFM** 2,633 m³/h

Fresh (make-up) 250 SCFM 425 m³/h

Indoor Air Ports (flexible ducts)

Width 16" 40.6 cm

Length 5' and 7' 1.5 and 2.1 m

Condensate Drain

Operating Temperature Range

Cooling 60°F to 125°F 15.6°C to 52°C

Heating -20°F to 60°F -28.9°C to 15.6°C

Dimensions

L x W x H 42" x 26" x 48" 107 x 66 x 122 cm

System Weight 530 lbs 240 kg

* Capacity at 52°C/125°F dry bulb (DB) ambient and 32°C/90°F DB and 24°C/75°F wet bulb indoors

** 3" WG static pressure

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

HDT Expeditionary Systems, Inc.

30500 Aurora Road, Suite 100

Solon, OH 44139 USA

P 800.969.8527 / 540.887.4700

sales@hdtglobal.com

Revision 4 05-19 01-05-02-0392