

HDT 15K ECU HEAT PUMP

Portable Air-Conditioning and Heating

HDT[®]
GLOBAL



HDT's line of portable environmental control units (ECUs) are the ideal choice for high performance air conditioning and heating systems for first responder, commercial, construction, mining, medical and industrial applications.

APPLICATIONS

- Military, mining, first responder shelters
- Supplemental/emergency cooling
- Spot cooling
- Medical equipment
- Special events
- Building drying and dehumidification
- Server and telecommunication cooling
- Building and plant maintenance
- Process cooling
- Aerospace and aviation

The innovative design of the HDT 15K ECU provides for simple transport, storage and deployment featuring a two-wheeled cart type chassis making it ideal for a single person set-up. The ECU is set-up outside a shelter and its 10" (25.4 cm) supply and return air ducts are connected to the ECU and routed through the shelter duct ports provided in the shelter wall.

The HDT 15K ECU provides up to 15,000 BTU/HR (4.4 kW) of cooling capacity and 13,500 BTU/H (4 kW) of heating when functioning as a heat pump. If the ambient drops below 40°F (4.4°C), this innovative design also has supplemental 5,600 BTU/H (1.63 kW) heat strips that ensure the heat stays on.

KEY FEATURES

- Galvanized steel sub-base with powder coat finish on the outer cabinet for maximum environmental protection
- Emergency override for air conditioner and heat pump
- Environmentally acceptable R-410A refrigerant
- Metal cased remote control and weatherproof remote cable

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HDT 15K ECU HEAT PUMP SPECIFICATIONS

Ordering information

HDT Part Number	604-H006873-130
NSN	N/A
On GSA Contract	X

Refrigerant R-410A

ECU capacity

Cooling	15,000 BTU/H	4.4 kW
Heating	13,500 BTU/H	4 kW
Supplemental resistance heating	5,600 BTU/H	1.64 kW

Power

Voltage (V/Phase/Hz)	115VAC/1 Phase/60 Hz
Max power	
Cooling	RLA 13.5 (1.55 kW) LRA 63
Heating	RLA 27.75 (3.19 kW) LRA 63
Motor protection	Supply breaker and internal contactor
Compressor protection	Internal thermal and motor contactor
Temperature controls	Thermostat ~ return air sensing
Mode selector switch	ON/OFF ~ AUTO TEMP ~ FAN ALWAYS ON
Heating safety switches	High temperature cut out (bi-metal disc)

Air flow

Evaporator	550 CFM	934.5 m ³ /h
Return air conditioning	20°F drop from ambient	11°C drop from ambient

Dimensions (L x W x H) 25" x 21.5" x 39.25" 63.5 x 54.6 x 99.7 cm

System weight 191 lbs 86.6 kg

Operating environment -40° to > 125°F -40° to > 52°C

Mechanical

Refrigeration stages	1 stage
Heating stages	1 stage + resistance
Compressor type	Scroll
Condensor/evaporator coil material	Copper tube / alum fin
Expansion valve type	Bi-flow restrictor
Circulating fan	Forward curve
Condenser fan type	Axial
Subbase material	Galvanized steel
Cabinet finish	Powder coat

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