

EEECU-M18-2 BASIC (400/3/50VAC)

Energy Efficient Environmental Control Unit (EEECU)

HDT
GLOBAL



The EEECU-M18-2 BASIC Energy Efficient Environmental Control Unit (EEECU) is designed for operation in severe environments, providing outstanding performance even when subjected to rough handling, sand, dust, rain, snow, or extreme heat. Whether positioned on the ground outside an expeditionary shelter or trailer mounted for portability, the EEECU-M18-2 BASIC is qualified for operation in temperatures ranging from -45.6° to 54.4°C (-50° to 130°F). The unit features onboard storage capability for optional flexible air ducts and power cord simplifying the EEECU-M18-2 BASIC set-up and teardown processes.

The EEECU-M18-2 BASIC operator control offers OFF/COOL/HEAT/VENT operating modes and a manually adjustable thermostat. A power quality analyzer is embedded in the control panel to prevent operation during poor power quality or phase reversal conditions. Resettable circuit breakers are provided for the main power, control and fan circuits.

KEY FEATURES

- Corrosion-resistant, powder coated aluminum frame, optional CARC coating available
- Refrigerant Charge is less than <2.99 kg (R-410A)
- Reliable, energy efficient Copeland Hermetic Scroll Compressor
- Hot-gas-bypass valve provides freeze protection during low load conditions
- Liquid Quench valve provides compressor cooling during high ambient operation
- Fin-Tube type evaporator coil assures optimal heat transfer
- Incline operation 10° from horizontal any direction
- Lightweight all-aluminum micro-channel condenser coil with 1.8mm pitch (14 fins per inch) allows sand, dust and organic materials to pass-thru the fins
- Washable/cleanable evaporator air filter
- CBRN (NBC) ready, use the optional ducts and adapter kit (HDT part number AF-9454311, NSN 4130-01-434-7665)
- On board storage basket for air ducts and power cable



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Ordering information		
HDT part number	603-H007483-001	
NSN	4120-01-645-5918	
On GSA Contract		
Available Colors ¹		
Tan 33446 (686) per FED-STD-595		
Green 34094 (393) per FED-STD-595		
Refrigerant	R-410A	
Charge	5 lbs	2.27 kg
ECU Capacity		
Cooling ²	61,416 BTU/H	18 kW
Heating	38,000 BTU/H	11.1 kW
Power		
Voltage (V/Phase/Hz)	400/3/50VAC	
Control voltage	24/1/50VAC	
Max power		
Cooling	10,850 Watts / 19 Amps (400V)	
Heating	10,200 Watts / 16.3 Amps (400V)	
Compressor soft start capability	Yes	
Main onboard power circuit breaker	25 Amp., 3 Pole	
Power cable length ⁴	50'	15.2 m
Power cable connector	MS-3102R24-79P, 5 Pin (3P-N-E)	
Air flow		
Evaporator ³	1,400 CFM	2,375 m ³ /h
Condenser	4,400 CFM	7,475 m ³ /h
Heating	600 CFM	1,020 m ³ /h
Dimensions (L x W x H)	45.75" x 35.75" x 47.38"	116 x 91 x 120 cm
System weight	540 lbs	245 kg
Operating environment		
Cooling	40° to >130°F	4.4° to >54.4°C
Heating	-50° to 90°F	-45.6° to 32°C
Storage temps	-60° to 160°F	-51° to 71°C
Noise	<70 dBA	

1 Units also available in CARC paint, please ask your HDT representative

2 Based on outside air entering the condenser @ 52°C (125°F) dry bulb and 32°C (90°F) dry bulb / 23.9°C (75°F) wet bulb indoor air entering the evaporator section

3 Airflow at 7.6 mm WG (0.3 IWG) External Static Pressure

4 Detached, ships loose

5. 20 m (65.6') remote cable, duck vavle and related gaskets, no auto start, overpack includes duct sleeves, duct bags, couplers, nbc adapter, cap, and various clamps.

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

NON EXPORT CONTROLLED INFORMATION
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