

HDT EEECU-60K SEL

Energy Efficient Environmental Control Unit (EEECU)



The HDT EEECU-60K SEL is the next generation of Energy Efficient ECUs (EEECUs), delivering Energy Efficient Ratings (EERs) that are 20% higher than the current ECUs on the market today.

The HDT EEECU-60K SEL is equipped with comprehensive on-board diagnostics, compressor inrush current limiting, and a two-speed evaporator blower that provides more comfortable heat by reducing the effect of evaporative cooling. The unit includes a supply and return air ducts, canvas condenser cover and a power cable.

KEY FEATURES

- 60,000 BTU/H cooling at 130°F outside temperature (17.6 kW at 54.4°C)
- 37,000 BTU/H (10.8 kW) electric heating
- Environmentally acceptable refrigerant R-410A
- Compressor inrush control limits peak starting current
- Incline operation 10° from horizontal any direction
- Washable / cleanable evaporator air filter
- CBRN (NBC) compatible. Use optional ducts and adapter kit (HDT part number AF-9454311, NSN 4130-01-434-7665)
- Full onboard diagnostics provide superheat, sub-cooling, operating pressure and temperature information to the technician
- Two (2) ducts, 16" diameter x 10' long (40.6 cm diameter x 3.04 m long)
- Available options: 50' (15.2 m) long remote thermostat cable (PN 108-00124-50)

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HDT EEECU-60K SEL SPECIFICATIONS

Ordering information	Without Overpack		With Overpack	
HDT Part Number	62-NO604103PHEGN		62-NO604103PHERGN	
Mfg. part number	GL0593ZAADWFX10		GL0593ZAADWFX11	
NSN	N/A		N/A	
On GSA Contract	X		X	
Refrigerant	R-410A		R-410A	
Charge	10 lbs 12 oz	4.88 kg	10 lbs 12 oz	4.88 kg
ECU capacity				
Cooling ²	60,100 BTU/H	17.6 kW	60,100 BTU/H	17.6 kW
Heating	37,000 BTU/H	10.8 kW	37,000 BTU/H	10.8 kW
Power				
Voltage (V/Phase/Hz)	208/3/50-60VAC		208/3/50-60VAC	
Control voltage	24/1/50-60VAC		24/1/50-60VAC	
Max power				
Cooling	10,650 Watts		10,650 Watts	
Heating	12,180 Watts		12,180 Watts	
Compressor soft-start capability	Yes		Yes	
Main onboard power circuit breaker	50 Amp. 3 Pole		50 Amp. 3 Pole	
Power cable length			50'	15.2 m
Power cable connector			MS3102R32-17P (4 Pin, 3P-E)	
Air flow				
Evaporator ³	2,130 ACFM	3,619 m3/h	2,130 ACFM	3,619 m3/h
Condenser	4,800 ACFM	8,156 m3/h	4,800 ACFM	8,156 m3/h
Dimensions (L x W x H)	45.75" x 35.75" x 47.38"	116 x 91 x 120 cm	45.75" x 35.75" x 47.38"	116 x 91 x 120 cm
System weight	640 lbs	290 kg	640 lbs	290 kg
Operating environment				
Cooling	0° to > 130°F	-17° to > 54.4°C	0° to > 130°F	-17° to > 54.4°C
Heating	-50° to 70°F	-45.6 to 21°C	-50° to 70°F	-45.6 to 21°C
Storage temperatures	-60° to 160°F	-51° to 71°C	-60° to 160°F	-51° to 71°C
Noise	76 dBA		76 dBA	

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

2 Based on outside air entering the condenser at 130°F (54.4°C) dry bulb and 90°F (32°C) dry bulb / 75°F (23.9°C) wet bulb indoor air entering the evaporator section

3 Airflow at 0.3 IWG (7.6 mm) External 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.

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