

INTEGRATED TRAILER-ECU-GENERATOR (ITEG II)



TAMCN: B0018

ID: 11490B

NSN: 6115-01-591-1161

Functional Description

The Integrated Trailer-Environmental Control Unit (ECU), Generator (ITEG) is an integrated HMMWV-towable unit that is designed to support highly mobile command and control systems and other forward-deployed operations centers and activities that displace often and have limited access to external power sources. The generator produces 25kW of electrical power and can be synchronized with other ITEG units. The ECU provides complete environmental air conditioning including cooling, heating, ventilation, and filtering and has a nominal cooling capacity of 96,000 BTU/hr and a nominal heating capacity of 100,000 BTU/hr. The integral trailer is based on the standard LMCHC M1102 trailer chassis designed with high ground clearance and run flat tires.

Technical Description

Unit

Manufacturer: Magnum Products LLC
Model: MEG30I / ISO

Fuel

Fuel Capacity (Gal): 38
Fuel Consumption (GPH): 4.3
Fuel Requirement: Diesel/ULSD/JP8

Generator

Frequency (Hz): 60
Voltage (Volts): 208
Phase: 3
Wires: 4-Wire
Max Power: 25kW
Export Power: 25kW

Dimensions

Length (in): 135.4
Width (in): 89
Height (in): 71
Weight (lb):
Dry: 3980
Wet: 4200
Volume (ft³): 495

Connectors

(2) 60A IEC309 208V
(2) 20A GFCI 120V

ECU

Cooling (BTU/hr): 96,000
Heating (BTU/hr): 100,000
Duct Diameter: (2) 16 inch for supply
(1) 24 inch for return
Duct length: 25ft.

Capacity

Refrigerant: R-134a
Max. Ambient Temperature: 130°F
Min. Ambient Cooling: +50°F
Min. Ambient Heating: -25°F

Transportability Towable by HMMWV, certified helo liftable.

NOTE: There is no available payload