

GENERATOR, LIGHT WEIGHT, MAN-PORTABLE

TAMCN: B01067B

I.D: 12131A

NSN: 6115-01-435-1567



Functional Description

The 2kW Light Weight (LTWT) DC, Man-Portable Generator, MEP-501A, is a self-contained, skid mounted, portable unit. It is equipped with controls, instruments and accessories necessary for operation. The generator set consists of a diesel engine, direct drive DC alternator, speed governing system, fuel system, 24 VDC auxiliary cold weather starting system (23°F or below), and generator control system. The generator set can be used with any equipment requiring a small source of DC power.

Technical Description

Information

Manufacturer: DOD PM-Mobile Electric Power
 Model: MEP-501A

Fuel

Type: Diesel/JP-8/F-24
 Fuel Capacity (Gal): 1.6
 Average Fuel Consumption (GPH): 0.33

Engine

Manufacturer: Yanmar
 Model: L48AE-DEG
 Type: 4 Cycle
 Cylinders: 1
 Displacement: 12.88 in³ (0.211L)
 Speed (RPM): 3,600 to 3,750

Temperatures

Operating: -25°F to +120°F

Shipping Dimensions

Length (in): 29.5
 Width (in): 16.0
 Height (in): 21.8
 Square (ft²)/Cube (ft³): 3.3/6.0

Output

DC: 28 VDC
 Phase: Single-Phase

Weight (lbs)

Dry: 123.5
 Wet (Coolant & POLs): 138.0

Aural Signature

Audio Rating: 70dBA @ 7m

Transportability: Treat as cargo.

NOTE: The MEP-501A set requires a four-person lift.