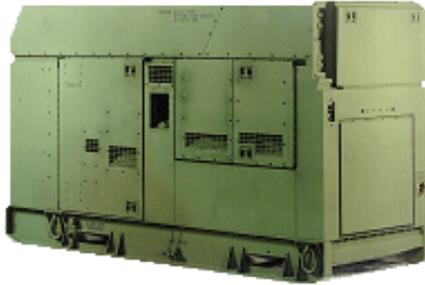


GENERATOR SET, DIESEL ENGINE, 100kW, 60Hz



TAMCN: B1045

ID: 07464C

NSN: 6115-01-296-1463

Functional Description

The 100kW TQG Generator Set, MEP-807A, is a fully enclosed, self-contained, skid-mounted, portable unit. It is equipped with controls, instruments, and accessories necessary for operation as a single unit or in parallel with another unit of the same class and mode. The generator set consists of a diesel engine, brushless generator, excitation system, speed governing system, fuel system, 24VDC starting system, control system, fault system, and Electronic Modular Control Panel (EMCP). The generator set is designed to be used with any piece of equipment requiring a large source of AC power and operates in a "Hot and Basic" climatic condition range of -25°F to +120°F. This generator set is mobile and requires forklift support.

Technical Description

Generator Set

Manufacturer: Fermont
 Model: MEP-807A
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: Caterpillar
 Model: 3126B
 Type: 4 Cycle
 Cylinders: 6
 Displacement: 442 in³ (7.25L)

Fuel

Fuel Capacity (Gal): 66
 Fuel Consumption (GPH): 7.85
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 106
 Width (in): 40
 Height (in): 65
 Weight (lbs):
 Dry: 5500
 Wet (coolant & POLs): 6100
 Volume (ft³): 156

Aural Signature

Audio Rating: 72dBA @ 7 meters

Replaced Items

MEP-007A, MEP-007B, MEP-007C.

Transportability

Medium Tactical Vehicle Replacement (MTVR).

GENERATOR SET, DIESEL ENGINE, 100kW, 60Hz



TAMCN: B1045

ID: 07464A

NSN: 6115-00-133-9101

Functional Description

The 100kW MIL-STD Generator Set, MEP-007A, is a self-contained, transportable source of AC power. A 100kW synchronous, brushless generator is directly powered by a six-cylinder, water-cooled, four-cycle, turbocharged diesel engine. Both the engine and generator are mounted on a welded I-beam skid base and contained within a steel-paneled housing enclosure. The generator set is provided with the controls, instruments, and accessories necessary for its operation, monitoring, and control. The generator set is designed to be used with any piece of equipment requiring a large source of external AC power and operates in a "Hot and Basic" climatic condition range of -25°F to +125°F. This generator set is mobile and requires forklift support.

Technical Description

Generator Set

Manufacturer: Consolidated Diesel Electric Co
 Model: MEP-007A
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: Caterpillar
 Model: D333C(T)
 Type: 4 Cycle, turbocharged
 Cylinders: 6
 Displacement: 638 in³ (10.45L)

Fuel

Fuel Capacity (Gal): 90
 Fuel Consumption (GPH): 6
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 106
 Width (in): 40
 Height (in): 65
 Weight (lbs):
 Dry: 6680
 Wet (coolant & POLs): 7500
 Volume (ft³): 156

Aural Signature

Audio Rating: 72dBA @ 7 meters

Replaced Items No USMC items replaced.

Transportability Medium Tactical Vehicle Replacement (MTVR).

GENERATOR SET, DIESEL ENGINE, 100kW, 60Hz



TAMCN: B1045

ID: 07464B

NSN: 6115-01-036-6374

Functional Description

The 100kW MIL-STD Generator Set, MEP-007B, is a self-contained, transportable source of AC power. A 100kW synchronous, brushless generator is directly powered by a six-cylinder, water-cooled, four-cycle, turbocharged diesel engine. Both the engine and generator are mounted on a welded I-beam skid base and contained within a steel-paneled housing enclosure. The generator set is provided with the controls, instruments, and accessories necessary for its operation, monitoring, and control. The generator set is designed to be used with any piece of equipment requiring a large source of external AC power and operates in a "Hot and Basic" climatic condition range of -25°F to +125°F. This generator set is mobile and requires forklift support.

Technical Description

Generator Set

Manufacturer: Fermont
 Model: MEP-007B
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: Caterpillar
 Model: D3306(T)
 Type: 4 Cycle, turbocharged
 Cylinders: 6
 Displacement: 638 in³ (10.45L)

Fuel

Fuel Capacity (Gal): 91
 Fuel Consumption (GPH): 6
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 106
 Width (in): 40
 Height (in): 65
 Weight (lbs):
 Dry: 6680
 Wet (coolant & POLs): 7500
 Volume (ft³): 156

Aural Signature

Audio Rating: 72dBA @ 7 meters

Replaced Items

No USMC items replaced.

Transportability

Medium Tactical Vehicle Replacement (MTVR).