

CHAPTER 6

MOBILE ELECTRIC POWER (MEP) EQUIPMENT

EQUIPMENT DESCRIPTION SHEETS

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GENERATOR SET, DIESEL ENGINE, 10kW, 60Hz	
	TAMCN: B0016
	ID: 11559A
	NSN: 6115-01-431-3062
Functional Description	
<p>The 10kW Auxiliary Power Unit (APU), MEP-903A, is a self-contained, slide frame mounted, portable unit. It is equipped with controls, instruments and accessories necessary for operation. The generator set consists of a diesel engine, direct drive AC alternator, speed governing system, fuel system, 24 VDC auxiliary cold weather starting system (23°F or below), and generator control system. The unit has redundant local and remote controls, self-bleeding fuel system for vehicle or remote fuel tank interconnections. The generator set is designed to be used with the Standard Integrated Command Post System (SICPS), the Shadow UAV System, and the Warfighter Information Network - Tactical Shelters. Climatic condition range of -32°F to +120°F. This generator set is mobile and requires forklift support.</p>	
Technical Description	
<p><u>Generator Set</u></p> <p>Manufacturer: KECO Model: MEP-903A Voltage (Volts): 120 Frequency (Hz): 60 Speed (RPM): 3600 Phase: 120V 1-phase 2-wire; 120/240V 1-phase, 3-wire</p> <p><u>Engine</u></p> <p>Manufacturer: Kubota, Ltd Model: D722-B Type: 4 Cycle Cylinders: 3 Displacement: 12.88 in³ (0.211)</p>	<p><u>Fuel</u></p> <p>Fuel Capacity (qt): 3.5 Fuel Consumption (GPH): N/A Fuel Requirement: Diesel/JP-8</p> <p><u>Dimensions</u></p> <p>Length (in): 37.5 Width (in): 26.25 Height (in): 28.5 Weight (lbs): Dry: N/A Wet (coolant & POLs): 460 Volume (ft³): 16.25</p> <p><u>Aural Signature</u></p> <p>Audio Rating: 70dBA @ 7 meters</p>
<u>Replaced Items:</u>	No USMC items replaced.
<u>Transportability:</u>	SICPS, WIN –T, Shadow UAV, HMMWV SHELTERS.

TOOL KIT, LINEMAN'S, TK-1141	
	TAMCN: B0062
	ID: 11509A
	NSN: 5180-01-550-0145
Functional Description	
<p>The Lineman's Tool Kit is a standardized lineman's basic tool kit that provides a wide range of necessary tools for the basic electrician. The Lineman's Tool Kit enable Marines at the organizational level in Military Occupational Specialty (MOS) 1141, to install, operate and maintain mobile electric power generating sources, electrical distribution systems and the repair of interior and exterior circuitry. The tools in the Tool Kit, Lineman's are warranted for the life and are configuration controlled. Refer to SL-3-11509A for complete listing and description of tools.</p>	
Technical Description	
<p><u>Tool Set</u> Manufacturer: Kipper Model: TK-1141</p>	<p><u>Dimensions</u> Length (in): 27.1875 Width (in): 16.0 Height (in): 22.5 Weight (lbs): 55 Volume (ft³): 5.625</p>
<u>Replaced Items</u>	Replaces the B2240 Tool Kit, Lineman's Electrician.
<u>Transportability</u>	Two Man Portable
NOTE: Black & Company manufactured this kit from 2006-2009.	

CLIMBER'S SET, TREE AND POLE, TK-1141/C	
	TAMCN: B0069
	ID: 11418A
	NSN: 5180-01-550-8373
Functional Description	
<p>The Climber's Set, Tree and Pole, Model TK-1141/C, provides climbing equipment which allows the Lineman to ascend poles or trees and secure himself without the aid of a ladder. The set also contains tools for hoisting needed items from the ground level, as well as required personal protective equipment. The set consists of a case, three trays of equipment, and equipment stored in the bottom of the case. Refer to SL-3-11418A for a complete listing and description of tools.</p>	
Technical Description	
<p><u>Tool Set</u> Manufacturer: Black & Company Model: TK-1141/C</p>	<p><u>Dimensions</u> Length (in): 45.0 Width (in): 24.5 Height (in): 24.5 Weight (lbs): 175 Volume (ft³): 15.6</p>
<u>Replaced Items</u>	As required, replaces ID# 00192B which is part of B2240.
<u>Transportability</u>	Two Man Portable.

GENERATOR SET, DIESEL ENGINE, 5kW, 60Hz	
	TAMCN: B0077
	ID: 09292A
	NSN: 6115-01-274-7387
Functional Description	
<p>The 5kW TQG Generator Set, MEP-802A, 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, brushless generator, excitation system, speed governing system, fuel system, 24VDC starting system, control system and fault system. The generator set is designed to be used with any equipment requiring a small 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.</p>	
Technical Description	
<p><u>Generator Set</u> Manufacturer: Fermont Model: MEP-802A Voltage (Volts): 120/208/240 Frequency (Hz): 60 Speed (RPM): 1800 Phase: 1 and 3</p>	<p><u>Fuel</u> Fuel Capacity (Gal): 5 Fuel Consumption (GPH): .57 Fuel Requirement: Diesel/JP-8</p>
<p><u>Engine</u> Manufacturer: Onan Model: DN2M Type: 2 Cycle Cylinders: 2 Displacement: 57 in³ (0.9L)</p>	<p><u>Dimensions</u> Length (in): 50.4 Width (in): 31.8 Height (in): 36.2 Weight (lbs): Dry: 800 Wet (coolant & POLs): 888 Volume (ft³): 34</p>
	<p><u>Aural Signature</u> Audio Rating: 70dBA @ 7 meters</p>
<u>Replaced Items</u>	No USMC items replaced.
<u>Transportability</u>	LTT-MCC Trailer.

GENERATOR SET, DIESEL ENGINE, 200kW, 60Hz	
	TAMCN: B0083
	ID: 11598A
	NSN: 6115-01-296-1462
Functional Description	
<p>The 200kW TQG Generator Set, MEP-809A, 50/60Hz is a 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 and fault system, and Electronic Modular Control Panel (EMCP). This generator set is designed to be used with any 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.</p>	
Technical Description	
<p><u>Generator Set</u></p> <p>Manufacturer: Fermont Model: MEP-809A Voltage (Volts): 120/208/240/416 Frequency (Hz): 50/60 Speed (RPM): 1500/1800 Phase: 3</p> <p><u>Engine</u></p> <p>Manufacturer: Caterpillar Model: C12 Type: 4 Cycle Cylinders: 6 Displacement: 732 in³ (12.0L)</p>	<p><u>Fuel</u></p> <p>Fuel Capacity (Gal): 128 Fuel Consumption (GPH): 16 Fuel Requirement: Diesel/JP-8</p> <p><u>Dimensions</u></p> <p>Length (in): 114 Width (in): 50 Height (in): 75 Weight (lbs): Dry: 8200 Wet (coolant & POLs): 9300 Volume (ft³): 247</p> <p><u>Aural Signature</u></p> <p>Audio Rating: 70dBA @ 7 meters</p>
<u>Replaced Items</u>	No USMC items replaced.
<u>Transportability</u>	LVSr / MTRV.

GENERATOR SET, DIESEL ENGINE, 2kW, 28VDC	
	TAMCN: B0106
	ID: TBD
	NSN: 6115-01-435-1567

Functional Description

The 2kW Military Tactical Generator Set, (MTG) 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 is designed to be used with any equipment requiring a small source of DC power and operates in a “Hot and Basic” climatic condition range of -25°F to 120°F. The generator set is portable and requires a four-person lift.

Technical Description

Generator Set

Manufacturer: Dewey
 Model: MEP-501A
 Voltage (Volts): 28 VDC
 Speed (RPM): 3600 to 3750
 Phase: 1

Engine

Manufacturer: Yanmar
 Model: L48AE-DEG
 Type: 4 Cycle
 Cylinders: 1
 Displacement: 12.88³ in (0.211L)

Fuel

Fuel Capacity (Gal): 1.6
 Fuel Consumption (GPH): 0.33
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 29.5
 Width (in): 16
 Height (in): 21.8
 Weight (lbs):
 Dry: 123.5
 Wet (coolant & POLs): 138
 Volume (ft³): 6.0

Aural Signature

Audio Rating: 79dBA @ 7 meters

Replaced Items: No USMC items replaced.

Transportability: All variants of USMC platforms.

GENERATOR SET, DIESEL ENGINE, 3kW, 60Hz																																																																	
	TAMCN: B0730																																																																
	ID: 10155A																																																																
	NSN: 6115-01-285-3012																																																																
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<p>The 3kW TQG Generator Set, MEP-831A, 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, permanent magnet AC generator, control box assembly, output/load panel, primary and auxiliary fuel systems, enclosure cooling and ventilation system, engine exhaust assembly, and a 24VDC battery. The generator set is designed to be used with any equipment requiring a small source of AC power and operates in a "Hot and Basic" climatic condition range of -25°F to +120°F. The generator set is portable and requires a six-person lift.</p>																																																																	
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<table border="0" style="width: 100%;"> <tr> <td colspan="2"><u>Generator Set</u></td> <td colspan="2"><u>Fuel</u></td> </tr> <tr> <td>Manufacturer:</td> <td>Fermont</td> <td>Fuel Capacity (Gal):</td> <td>4</td> </tr> <tr> <td>Model:</td> <td>MEP-831A</td> <td>Fuel Consumption (GPH):</td> <td>0.5</td> </tr> <tr> <td>Voltage (Volts):</td> <td>120/240</td> <td>Fuel Requirement:</td> <td>Diesel/JP-8</td> </tr> <tr> <td>Frequency (Hz):</td> <td>60</td> <td></td> <td></td> </tr> <tr> <td>Speed (RPM):</td> <td>3000 to 3600</td> <td><u>Dimensions</u></td> <td></td> </tr> <tr> <td>Phase:</td> <td>1</td> <td>Length (in):</td> <td>34.8</td> </tr> <tr> <td></td> <td></td> <td>Width (in):</td> <td>27.8</td> </tr> <tr> <td><u>Engine</u></td> <td></td> <td>Height (in):</td> <td>26.5</td> </tr> <tr> <td>Manufacturer:</td> <td>Yanmar</td> <td>Weight (lbs):</td> <td></td> </tr> <tr> <td>Model:</td> <td>L70AE-D/DE</td> <td> Dry:</td> <td>304</td> </tr> <tr> <td>Type:</td> <td>4 Cycle</td> <td> Wet (coolant & POLs):</td> <td>334</td> </tr> <tr> <td>Cylinders:</td> <td>1</td> <td>Volume (ft³):</td> <td>14.6</td> </tr> <tr> <td>Displacement:</td> <td>18.1 in³ (0.296L)</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td><u>Aural Signature</u></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Audio Rating:</td> <td>70dBA @ 7 meters</td> </tr> </table>		<u>Generator Set</u>		<u>Fuel</u>		Manufacturer:	Fermont	Fuel Capacity (Gal):	4	Model:	MEP-831A	Fuel Consumption (GPH):	0.5	Voltage (Volts):	120/240	Fuel Requirement:	Diesel/JP-8	Frequency (Hz):	60			Speed (RPM):	3000 to 3600	<u>Dimensions</u>		Phase:	1	Length (in):	34.8			Width (in):	27.8	<u>Engine</u>		Height (in):	26.5	Manufacturer:	Yanmar	Weight (lbs):		Model:	L70AE-D/DE	Dry:	304	Type:	4 Cycle	Wet (coolant & POLs):	334	Cylinders:	1	Volume (ft ³):	14.6	Displacement:	18.1 in ³ (0.296L)					<u>Aural Signature</u>				Audio Rating:	70dBA @ 7 meters
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<u>Replaced Items</u>	MEP-016A, MEP-016B, MEP-016E.																																																																
<u>Transportability</u>	All variants of the USMC M116 trailer and the LTT-MCC trailer.																																																																

GENERATOR SET, DIESEL ENGINE, 10kW, 60Hz



TAMCN: B0891

ID: 09247A

NSN: 6115-01-275-5061

Functional Description

The 10kW TQG Generator Set, MEP-803A, is a fully enclosed, 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, brushless generator, excitation system, speed governing system, fuel system, 24VDC starting system, control system and fault system. The generator set is designed to be used with any equipment requiring a small 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-803A
 Voltage (Volts): 120/208/240
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 1 and 3

Engine

Manufacturer: Onan
 Model: DN4M
 Type: Cycle
 Cylinders: 4
 Displacement: 114 in³ (1.9L)

Fuel

Fuel Capacity (Gal): 9
 Fuel Consumption (GPH): 0.99
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 62
 Width (in): 32
 Height (in): 37
 Weight (lbs):
 Dry: 1140
 Wet (coolant & POLs): 1242
 Volume (ft³): 41

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items

MEP-003A.

Transportability

All variants of the USMC M116 trailer and the LTT-MCC trailer.

GENERATOR SET, DIESEL ENGINE, 10kW, 400Hz	
	TAMCN: B0921
	ID: 09248A
	NSN: 6115-01-274-7392
Functional Description	
<p>The 10kW TQG Generator Set, MEP-813A, is a fully enclosed, 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, brushless generator, excitation system, speed governing system, fuel system, 24VDC starting system, control system, and fault system. The generator set is designed to be used with any equipment requiring a small 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.</p>	
Technical Description	
<p><u>Generator Set</u> Manufacturer: Fermont Model: MEP-813A Voltage (Volts): 120/208/240 Frequency (Hz): 400 Speed (RPM): 2000 Phase: 1 and 3</p>	<p><u>Fuel</u> Fuel Capacity (Gal): 9 Fuel Consumption (GPH): 1.07 Fuel Requirement: Diesel/JP-8</p>
<p><u>Engine</u> Manufacturer: Onan Model: DN4M Type: 4 Cycle Cylinders: 4 Displacement: 114 in³ (1.9L)</p>	<p><u>Dimensions</u> Length (in): 62 Width (in): 32 Height (in): 37 Weight (lbs): Dry: 1170 Wet (coolant & POLs): 1272 Volume (ft³): 41</p>
	<p><u>Aural Signature</u> Audio Rating: 70dBA @ 7 meters</p>
<u>Replaced Items</u>	MEP-112A.
<u>Transportability</u>	All variants of the USMC M116 trailer and the LTT-MCC trailer.

GENERATOR SET, DIESEL ENGINE, 20kW, 60Hz



TAMCN: B0930

ID: 11125A

NSN: 6115-01-531-0571

Functional Description

The 20kW Generator Set, MMG 25, 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. The generator set consists of a diesel engine, brushless generator, fuel system, 12VDC starting system, control system, and automatic safety shutdown system. The generator set is designed to be used with any piece of equipment requiring a medium source of AC power. This generator set is mobile and requires forklift support.

Technical Description

Generator Set

Manufacturer: Magnum
 Model: MMG 25
 Voltage (Volts): 120/208
 Frequency (Hz): 60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: Isuzu
 Model: 4LE1 PV-05 Tier II
 4LE1 NYGV-01 Tier IV
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 133 in³ (2.179L)

Fuel

Fuel Capacity (Gal): 46
 Fuel Consumption (GPH): 2.1
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 77.5
 Width (in): 36.25
 Height (in): 51.61
 Weight (lbs):
 Dry: 2345 w/adaptor
 Wet (coolant & POLs): 2655 w/adaptor
 Volume (ft³): 79

Aural Signature

Audio Rating: 65dBA @ 23 feet

Replaced Items No USMC items replaced.

Transportability All variants of the USMC M116 trailer and the LTT-MCC trailer.

GENERATOR SET, DIESEL ENGINE, 30kW, 60Hz



TAMCN: B0953

ID: 09249A

NSN: 6115-01-274-7389

Functional Description

The 30kW TQG Generator Set, MEP-805A, 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, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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: Libby / Fermont
 Model: MEP-805A
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 4039T
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 239 in³ (3.9L)

Fuel

Fuel Capacity (Gal): 23
 Fuel Consumption (GPH): 2.60
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 79.7
 Width (in): 35.7
 Height (in): 55
 Weight (lbs):
 Dry: 2732
 Wet (coolant & POLs): 2931
 Volume (ft³): 90.56

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items MEP-005A

Transportability All variants of the USMC M353 trailer.

NOTES: Libby Models serial numbers start with "RZH" & Fermont Models start with "FZ"

GENERATOR SET, DIESEL ENGINE, 30kW, 60Hz	
	TAMCN: B0953
	ID: 09249B
	NSN: 6115-01-461-9335
Functional Description	
<p>The 30kW TQG Generator Set, MEP-805B, is a fully enclosed, self-contained, skid-mounted, portable unit. It is equipped with controls, instruments, and accessories necessary for operation as single unit or in parallel with another unit of the same class and mode. The generator set includes a diesel engine, brushless generator, cooling system, excitation system, governing system, fuel system, 24 VDC starting system, DCS, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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.</p>	
Technical Description	
<p><u>Generator Set</u> Manufacturer: MCII Model: MEP-805B Voltage (Volts): 120/208/240/416 Frequency (Hz): 50/60 Speed (RPM): 1800 Phase: 3</p> <p><u>Engine</u> Manufacturer: John Deere Model: 4045TF151 Type: 4 Cycle Cylinders: 4 Displacement: 239 in³ (3.9L)</p>	<p><u>Fuel</u> Fuel Capacity (Gal): 23 Fuel Consumption (GPH): 2.60 Fuel Requirement: Diesel/JP-8</p> <p><u>Dimensions</u> Length (in): 79.7 Width (in): 35.7 Height (in): 55 Weight (lbs): 2732 Dry: Wet (coolant & POLs): 2931 Volume (ft³): 90.56</p> <p><u>Aural Signature</u> Audio Rating: 70dBA @ 7 meters</p>
<u>Replaced Items</u>	MEP-005A, MEP-805A.
<u>Transportability</u>	All variants of the USMC M353 trailer.

GENERATOR SET, DIESEL ENGINE, 30kW, 400Hz



TAMCN: B0971

ID: 09246A

NSN: 6115-01-274-7394

Functional Description

The 30kW TQG Generator Set, MEP-815A, 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, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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: Libby / Fermont
 Model: MEP-815A
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 400
 Speed (RPM): 2000
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 4039T
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 239 in³ (3.9L)

Fuel

Fuel Capacity (Gal): 23
 Fuel Consumption (GPH): 2.75
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 79.7
 Width (in): 35.7
 Height (in): 55
 Weight (lbs):
 Dry: 2931
 Wet (coolant & POLs): 3015
 Volume (ft³): 88

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items

MEP-114A.

Transportability

All variants of the USMC M353 trailer.

NOTES: Libby Models serial numbers start with "RZH" & Fermont Models start with "FZ"

GENERATOR SET, DIESEL ENGINE, 30kW, 400Hz																																																																	
	TAMCN: B0971																																																																
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<p>The 30kW TQG Generator Set, MEP-815B, 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 includes a diesel engine, brushless generator, cooling system, excitation system, governing system, fuel system, 24VDC starting system, DCS, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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.</p>																																																																	
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<table border="0" style="width: 100%;"> <tr> <td colspan="2"><u>Generator Set</u></td> <td colspan="2"><u>Fuel</u></td> </tr> <tr> <td>Manufacturer:</td> <td>MCII</td> <td>Fuel Capacity (Gal):</td> <td>23</td> </tr> <tr> <td>Model:</td> <td>MEP-815B</td> <td>Fuel Consumption (GPH):</td> <td>2.75</td> </tr> <tr> <td>Voltage (Volts):</td> <td>120/208/240/416</td> <td>Fuel Requirement:</td> <td>Diesel/JP-8</td> </tr> <tr> <td>Frequency (Hz):</td> <td>400</td> <td></td> <td></td> </tr> <tr> <td>Speed (RPM):</td> <td>2000</td> <td colspan="2"><u>Dimensions</u></td> </tr> <tr> <td>Phase:</td> <td>3</td> <td>Length (in):</td> <td>79.7</td> </tr> <tr> <td></td> <td></td> <td>Width (in):</td> <td>35.7</td> </tr> <tr> <td><u>Engine</u></td> <td></td> <td>Height (in):</td> <td>55</td> </tr> <tr> <td>Manufacturer:</td> <td>John Deere</td> <td>Weight (lbs):</td> <td></td> </tr> <tr> <td>Model:</td> <td>4045TF151</td> <td> Dry:</td> <td>2732</td> </tr> <tr> <td>Type:</td> <td>4 Cycle</td> <td> Wet (coolant & POLs):</td> <td>2931</td> </tr> <tr> <td>Cylinders:</td> <td>4</td> <td>Volume (ft³):</td> <td>90.56</td> </tr> <tr> <td>Displacement:</td> <td>239 in³ (3.9L)</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td colspan="2"><u>Aural Signature</u></td> </tr> <tr> <td></td> <td></td> <td>Audio Rating:</td> <td>71dBA @ 7 meters</td> </tr> </table>		<u>Generator Set</u>		<u>Fuel</u>		Manufacturer:	MCII	Fuel Capacity (Gal):	23	Model:	MEP-815B	Fuel Consumption (GPH):	2.75	Voltage (Volts):	120/208/240/416	Fuel Requirement:	Diesel/JP-8	Frequency (Hz):	400			Speed (RPM):	2000	<u>Dimensions</u>		Phase:	3	Length (in):	79.7			Width (in):	35.7	<u>Engine</u>		Height (in):	55	Manufacturer:	John Deere	Weight (lbs):		Model:	4045TF151	Dry:	2732	Type:	4 Cycle	Wet (coolant & POLs):	2931	Cylinders:	4	Volume (ft ³):	90.56	Displacement:	239 in ³ (3.9L)					<u>Aural Signature</u>				Audio Rating:	71dBA @ 7 meters
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<u>Replaced Items</u>	MEP-114A, MEP-815A.																																																																
<u>Transportability</u>	All variants of the USMC M353 trailer.																																																																

GENERATOR SET, DIESEL ENGINE, 2kW, 60Hz	
	TAMCN: B0980
	ID: 11101A
	NSN: 6115-01-435-1565
Functional Description	
<p>The 2kW Military Tactical Generator Set, (MTG) MEP-531A, 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 AC alternator, speed governing system, fuel system, 24VDC auxiliary cold weather starting system (23°F or below), and generator control system. The generator set is designed to be used with any equipment requiring a small source of AC power and operates in a "Hot and Basic" climatic condition range of -25°F to +120°F. The generator set is portable and requires a four-person lift.</p>	
Technical Description	
<p><u>Generator Set</u></p> <p>Manufacturer: Dewey Model: MEP-531A Voltage (Volts): 120 Frequency (Hz): 60 Speed (RPM): 3600 to 3750 Phase: 1</p> <p><u>Engine</u></p> <p>Manufacturer: Yanmar Model: L48AE-DEG Type: 4 Cycle Cylinders: 1 Displacement: 12.88 in³ (0.21L)</p>	<p><u>Fuel</u></p> <p>Fuel Capacity (Gal): 1.6 Fuel Consumption (GPH): 0.3 Fuel Requirement: Diesel/JP-8</p> <p><u>Dimensions</u></p> <p>Length (in): 29.5 Width (in): 16 Height (in): 21.7 Weight (lbs): Dry: 123.5 Wet (coolant & POLs): 152 Volume (ft³): 5.9</p> <p><u>Aural Signature</u></p> <p>Audio Rating: 79dBA @ 7 meters</p>
<u>Replaced Items</u>	No USMC items replaced.
<u>Transportability</u>	All variants of the M116 trailer.

GENERATOR SET, DIESEL ENGINE, 60kW, 400Hz



TAMCN: B1016

ID: 09245A

NSN: 6115-01-274-7395

Functional Description

The 60kW TQG Generator Set, MEP-816A, 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, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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: Libby / Fermont
 Model: MEP-816A
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 400
 Speed (RPM): 2000
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 6059T
 Type: 4 Cycle
 Cylinders: 6
 Displacement: 359 in³ (5.9L)

Fuel

Fuel Capacity (Gal): 43
 Fuel Consumption (GPH): 5.37
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 87
 Width (in): 35.7
 Height (in): 59
 Weight (lbs):
 Dry: 3606
 Wet (coolant & POLs): 4042
 Volume (ft³): 103

Aural Signature

Audio Rating: 72dBA @ 7 meters

Replaced Items MEP-115.

Transportability All variants of the USMC M353 trailer.

NOTES: Libby Models serial numbers start with "RZH" & Fermont Models start with "FZ"

GENERATOR SET, DIESEL ENGINE, 60kW, 400Hz



TAMCN: B1016

ID: 09245B

NSN: 6115-01-462-0292

Functional Description

The 60kW TQG Generator Set, MEP-816B, 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 includes a diesel engine, brushless generator, cooling system, excitation system, governing system, fuel system, 24VDC starting system, DCS, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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: MCII
 Model: MEP-816B
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 400
 Speed (RPM): 2000
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 6068TF151
 Type: 4 Cycle
 Cylinders: 6
 Displacement: 359 in³ (5.9L)

Fuel

Fuel Capacity (Gal): 43
 Fuel Consumption (GPH): 5.37
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 87
 Width (in): 35.7
 Height (in): 59
 Weight (lbs):
 Dry: 3603
 Wet (coolant & POLs): 4042
 Volume (ft³): 103

Aural Signature

Audio Rating: 72dBA @ 7 meters

Replaced Items

MEP-115A, MEP-816A.

Transportability

All variants of the USMC M353 trailer.

GENERATOR SET, DIESEL ENGINE, 60kW, 60Hz



TAMCN: B1021

ID: 09244A

NSN: 6115-01-274-7390

Functional Description

The 60kW TQG Generator Set, MEP-806A, 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, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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: Libby / Fermont
 Model: MEP-806A
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 6059T
 Type: 4 Cycle
 Cylinders: 6
 Displacement: 359 in³ (5.9L)

Fuel

Fuel Capacity (Gal): 43
 Fuel Consumption (GPH): 5.06
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 87
 Width (in): 35.7
 Height (in): 59
 Weight (lbs):
 Dry: 3556
 Wet (coolant & POLs): 3992
 Volume (ft³): 103

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items

MEP-006A.

Transportability

All variants of the USMC M353 trailer.

NOTES: Libby Models serial numbers start with "RZH" & Fermont Models start with "FZ"

GENERATOR SET, DIESEL ENGINE, 60kW, 60Hz



TAMCN: B1021

ID: 09244B

NSN: 6115-01-462-0291

Functional Description

The 60kW TQG Generator Set, MEP-806B, 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 includes a diesel engine, brushless generator, cooling system, excitation system, governing system, fuel system, 24 VDC starting system, DCS, and fault system. The generator set is designed to be used with any piece of equipment requiring a medium 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: MCII
 Model: MEP-806B
 Voltage (Volts): 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 6068TF151
 Type: 4 Cycle
 Cylinders: 6
 Displacement: 359 in³ (5.9L)

Fuel

Fuel Capacity (Gal): 43
 Fuel Consumption (GPH): 5.06
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 87
 Width (in): 35.7
 Height (in): 59
 Weight (lbs):
 Dry: 3556
 Wet (coolant & POLs): 3992
 Volume (ft³): 106

Aural Signature

Audio Rating: 70dBA @ 7 meters

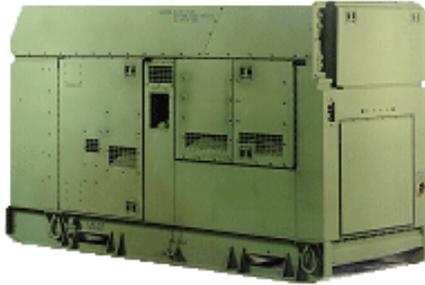
Replaced Items

MEP-006A, MEP-806A.

Transportability

All variants of the USMC M353 trailer.

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: Vermont
 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).

TOOL KIT, INTERMEDIATE LEVEL, ELECTRICIANS																									
	TAMCN: B7900																								
	ID: 11390A																								
	NSN: 5180-01-546-8026																								
Functional Description																									
<p>The I-Level Tool Kit is comprised of various hand tools and accessories to aide Marines in Military Occupational Specialty (MOS) 1141 to install and maintain interior and exterior wiring. The I-Level Tool Kit comes in a rugged/transportable case, and includes electrician's tools, testers, and meters contained within its own rugged/transportable case with foam inserts and molded plastic trays for tool storage and protection. These new modernized tools are configuration controlled. Refer to SL-3-11390A for complete listing and description of tools.</p>																									
Technical Description																									
<table border="0"> <tr> <td colspan="2"><u>Tool Set</u></td> <td colspan="2"><u>Dimensions</u></td> </tr> <tr> <td>Manufacturer:</td> <td>Black & Company</td> <td>Length (in):</td> <td>48.0</td> </tr> <tr> <td></td> <td></td> <td>Width (in):</td> <td>24.0</td> </tr> <tr> <td>Model:</td> <td>I-Level</td> <td>Height (in):</td> <td>28.0</td> </tr> <tr> <td></td> <td></td> <td>Weight (lbs):</td> <td>510</td> </tr> <tr> <td></td> <td></td> <td>Volume (ft³):</td> <td>18.75</td> </tr> </table>	<u>Tool Set</u>		<u>Dimensions</u>		Manufacturer:	Black & Company	Length (in):	48.0			Width (in):	24.0	Model:	I-Level	Height (in):	28.0			Weight (lbs):	510			Volume (ft ³):	18.75	
<u>Tool Set</u>		<u>Dimensions</u>																							
Manufacturer:	Black & Company	Length (in):	48.0																						
		Width (in):	24.0																						
Model:	I-Level	Height (in):	28.0																						
		Weight (lbs):	510																						
		Volume (ft ³):	18.75																						
<u>Replaced Items</u>	No USMC items replaced.																								
<u>Transportability</u>	Forklift Portable.																								

BATTERY CHARGING APU, DIESEL ENGINE



TAMCN: N/A

ID: N/A

NSN: N/A

Functional Description

The 3.5kW Battery Charging Auxiliary Power Unit, is a self-contained, skid mounted, portable unit. It is equipped with controls, instruments and accessories necessary for operation. The set consists of a diesel engine, direct drive DC alternator, speed governing system, fuel system, and generator control system. The unit has redundant local and remote controls, self bleeding fuel system for vehicle or remote fuel tank interconnections. The APU is designed to be used on board the LVS and operates in a "Hot and Basic" climatic condition range of -51°F to +130°F. The battery charging APU is portable and requires a four-person lift.

Technical Description

Generator Set

Manufacturer: Dewey
 Model: N/A
 Voltage (Volts): 28VDC
 Speed (RPM): 3600
 Phase: 1

Fuel

Fuel Capacity (Gal): Requires Separate Fuel Source
 Fuel Consumption (GPH): 0.58
 Fuel Requirement: Diesel/JP8 or JP5

Engine

Manufacturer: Yanmar
 Model: L100V
 Type: Air cooled, 4 Cycle
 Cylinders: 1
 Displacement: 26.5 in³. (0.435L)

Dimensions

Length (in): 33
 Width (in): 21
 Height (in): 25
 Weight (lbs):
 Dry: 201
 Wet: N/A
 Volume (ft³): 10

Aural Signature

Audio Rating: 97dBA @ 1 meters (Engine Only)

Replaced Items No USMC items replaced.

Transportability LVS / MK48 Power Unit