

GENERATOR SET, DIESEL ENGINE, MODEL MEP-903A

NSN: 6115-01-431-3062

TAMCN: B0016

ID: 11559A



Functional Description

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.

Technical Description

Generator Set

Manufacturer: KECO
 Model: MEP-903A
 Volts: 120VAC
 Frequency (Hz): 60
 Speed (RPM): 3600
 Phase: 120V 1-phase
 2-wire; 120/240V
 1-phase, 3-wire

Engine

Manufacturer: Kubota, Ltd
 Model: D722-B
 Type: 4 Cycle
 Cylinders: 3
 Displacement: 12.88 in³. (0.211)
 Horsepower: 16.3 @ 3600 RPM
 Compression: 19.9:1

Fuel

Fuel Capacity (qt): 3.5
 Fuel Consumption (GPH): N/A
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 37.5
 Width (in): 26.25
 Height (in): 28.5
 Weight (lb):
 Dry: N/A
 Wet (coolant,/ POLs): 460
 Volume (ft³): 16.25

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items: No USMC items replaced.

Transportability: SICPS, WIN –T, Shadow UAV, HMMWV SHELTERS.

TOOL KIT, LINEMAN'S, TK-1141

NSN: 5180-01-550-0145

TAMCN: B0062

ID: 11509A



Functional Description

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 will 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 telephone and telegraph wire. 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.

Technical Description

Tool Set

Manufacturer: Black & Company Management, Inc
 Model: TK-1141

Dimensions

Length (in): 27.1875
 Width (in): 16.0
 Height (in): 22.5
 Weight (lb): 55
 Volume (ft³): 5.625

Replaced Items

Replaces the B2240 Tool Kit, Lineman's Electrician.

Transportability

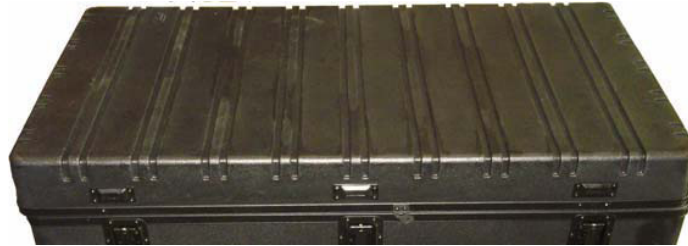
Two Man Portable.

CLIMBER'S SET, TREE AND POLE, TK-1141/C

NSN: 5180-01-550-8373

TAMCN: B0069

ID: 11418A



Functional Description

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.

Technical Description

Tool Set


Manufacturer: Black & Company Management, Inc
 Model: TK-1141/C

Dimensions

Length (in): 45.0
 Width (in): 24.5
 Height (in): 24.5
 Weight (lb): 175
 Volume (ft³): 16.5

Replaced Items As required, replaces part of B2240.

Transportability Two Man Portable.

GENERATOR SET, DIESEL ENGINE, MODEL MEP-802A																																																																										
NSN: 6115-01-274-7387	TAMCN: B0077	ID: 09292A																																																																								
																																																																										
Functional Description																																																																										
<p>The 5kW 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>																																																																										
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<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"><u>Generator Set</u></td> <td style="width: 33%;"></td> <td style="width: 33%;"><u>Fuel</u></td> <td style="width: 33%;"></td> </tr> <tr> <td>Manufacturer:</td> <td>Fermont</td> <td>Fuel Capacity (Gal):</td> <td>5</td> </tr> <tr> <td>Model:</td> <td>MEP-802A</td> <td>Fuel Consumption (GPH):</td> <td>.57</td> </tr> <tr> <td>Volts:</td> <td>120/208/240</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>1800</td> <td><u>Dimensions</u></td> <td></td> </tr> <tr> <td>Phase:</td> <td>1 and 3</td> <td>Length (in):</td> <td>50.4</td> </tr> <tr> <td></td> <td></td> <td>Width (in):</td> <td>31.8</td> </tr> <tr> <td></td> <td></td> <td>Height (in):</td> <td>36.2</td> </tr> <tr> <td></td> <td></td> <td>Weight (lb):</td> <td></td> </tr> <tr> <td><u>Engine</u></td> <td></td> <td>Dry:</td> <td>800</td> </tr> <tr> <td>Manufacturer:</td> <td>Onan</td> <td>Wet (coolant,/ POLs):</td> <td>888</td> </tr> <tr> <td>Model:</td> <td>DN2M</td> <td>Volume (ft³):</td> <td>34</td> </tr> <tr> <td>Type:</td> <td>2 Cycle</td> <td></td> <td></td> </tr> <tr> <td>Cylinders:</td> <td>2</td> <td><u>Aural Signature</u></td> <td></td> </tr> <tr> <td>Displacement:</td> <td>57 in³ (0.9L)</td> <td>Audio Rating:</td> <td>70dBA @ 7 meters</td> </tr> <tr> <td>Horsepower:</td> <td>11.0 @ 1800 RPM</td> <td></td> <td></td> </tr> <tr> <td>Compression:</td> <td>18.5:1</td> <td></td> <td></td> </tr> </table>			<u>Generator Set</u>		<u>Fuel</u>		Manufacturer:	Fermont	Fuel Capacity (Gal):	5	Model:	MEP-802A	Fuel Consumption (GPH):	.57	Volts:	120/208/240	Fuel Requirement:	Diesel/JP-8	Frequency (Hz):	60			Speed (RPM):	1800	<u>Dimensions</u>		Phase:	1 and 3	Length (in):	50.4			Width (in):	31.8			Height (in):	36.2			Weight (lb):		<u>Engine</u>		Dry:	800	Manufacturer:	Onan	Wet (coolant,/ POLs):	888	Model:	DN2M	Volume (ft ³):	34	Type:	2 Cycle			Cylinders:	2	<u>Aural Signature</u>		Displacement:	57 in ³ (0.9L)	Audio Rating:	70dBA @ 7 meters	Horsepower:	11.0 @ 1800 RPM			Compression:	18.5:1		
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<u>Transportability</u>	LTT-MCC Trailer.																																																																									

GENERATOR SET, DIESEL ENGINE, MODEL MEP-809A

NSN: 6115-01-296-1462

TAMCN: B0083

ID: 11598A



Functional Description

The 200kW 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.

Technical Description

Generator Set

Manufacturer: Fermont
 Model: MEP-809A
 Volts: 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1500/1800
 Phase: 3

Engine

Manufacturer: Caterpillar
 Model: C12
 Type: 4 Cycle
 Cylinders: 6
 Displacement: 732 in³ (12.0L)
 Horsepower: 395 @ 1800 RPM
 Compression: 18.5:1

Fuel

Fuel Capacity (Gal): 128
 Fuel Consumption (GPH): 16
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 114
 Width (in): 50
 Height (in): 75
 Weight (lb):

Dry: 8200
 Wet (coolant,/ POLs): 9300
 Volume (ft³): 34

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items

No USMC items replaced.

Transportability

LVSR / MTVR.

DUMMY LOAD, GENERATOR SET, 100kW

NSN: 6150-01-306-2943

TAMCN: B0579

ID: 07500B



Functional Description

The Dummy Load, Generator Set, 100kW provides electrical load simulating capabilities for maintenance and operational evaluation of mobile electrical power sources. It is a self-contained, air-cooled, skid-mounted unit, suitable for indoor and outdoor use. The unit contains all instruments, controls, and power loads for testing AC generators. The unit is capable of being trailer mounted.

Technical Description

Set

Manufacturer: Bruce Industries
 Model: DE1-0001
 Volts: 120/208/240/416
 Frequency (Hz): 60/400
 Phase: 3

Dimensions

Length (in): 52.25
 Width (in): 36
 Height (in): 41.75
 Weight (lb): 807
 Volume (ft³): 46

Loading Ability

Variable, 3-phase
 100kW resistive
 load, air-cooled.
 A578 Load Bank.

Temperature Range

Operating: -40°F to +131°F
 Storage: -76°F to +160°F

Replaced Item

A578 Load Bank.

Transportability

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

LOADBANK, ELECTRICAL

NSN: 6150-01-557-1304

TAMCN: B0579

ID: 07500C



Functional Description

The new 100kW Load Bank is a modified COTS item that is being purchased to replace the aging legacy Load Bank/Dummy Load (TAMCN B0579). The Load Bank consists of a rugged, weatherproof enclosure containing banks of resistors that can be connected to a generator to simulate a load. They will be used outdoors throughout all theaters of operations by Marine Corps aviation and ground equipment maintenance units for preventive and corrective maintenance, exercise and testing of various size mobile tactical generators.

Technical Description

Set

Manufacturer: Avtron Inc.
 Model: LSH100D42423
 Volts: 120/208 VAC or
 240/416 VAC
 Frequency (Hz): 50/60/400
 Phase: 3

Dimensions

Length (in): 55.4
 Width (in): 33.1
 Height (in): 63.1
 Weight (lb): 856

Loading Ability

Variable, 3-phase
 2kW to 100kW
 Resistive Load
 Fan Blower, Air-cooled.

Temperature Range

Operating: -40°F to +131°F
 Storage: -40°F to +160°F

Replaced Item

DE1-0001, TAMCN B0579, ID # 07500B

Transportability

USMC M116A3 trailer and the LTT-MCC trailer.

GENERATOR SET, DIESEL ENGINE, 3kW, 60Hz

NSN: 6115-01-285-3012	TAMCN: B0730	ID: 10155A
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Functional Description

The 3kW 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.

Technical Description

<u>Generator Set</u>		<u>Fuel</u>	
Manufacturer:	Fermont	Fuel Capacity (Gal):	4
Model:	MEP-831A	Fuel Consumption (GPH):	0.5
Volts:	120/240	Fuel Requirement:	Diesel/JP-8
Frequency (Hz):	60	<u>Dimensions</u>	
Speed (RPM):	3000 to 3600	Length (in):	34.8
Phase:	1	Width (in):	27.8
<u>Engine</u>		Height (in):	26.5
Manufacturer:	Yanmar	Weight (lb):	
Model:	L70AE-D/DE	Dry:	304
Type:	4 Cycle	Wet (8 hrs fuel, coolant, & POLs):	334
Cylinders:	1	Volume (ft ³):	14.6
Displacement:	18.1 in ³ (0.296L)	<u>Aural Signature</u>	
Horsepower:	6.7 @ 3600 RPM	Audio Rating:	70dBA @ 7 meters
Compression:	19.5:1		

Replaced Items MEP-016A, MEP-016B, MEP-016E.

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

GENERATOR SET, DIESEL ENGINE, 10kW, 60Hz

NSN: 6115-01-275-5061

TAMCN: B0891

ID: 09247A



Functional Description

The 10kW 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
 Volts: 120/208/240
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 1 and 3

Engine

Manufacturer: Onan
 Model: DN4M
 Type: 4 Cycle

 Cylinders: 4
 Displacement: 114 in³ (1.9L)
 Horsepower: 24.1 @
 1800 RPM
 Compression: 18.5:1

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 (lb):
 Dry: 1140
 Wet (8 hrs fuel, 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

NSN: 6115-01-274-7392

TAMCN: B0921

ID: 09248A



Functional Description

The 10kW 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.

Technical Description

Generator Set

Manufacturer: Fermont
 Model: MEP-813A
 Volts: 120/208/240
 Frequency (Hz): 400
 Speed (RPM): 2000
 Phase: 1 and 3

Engine

Manufacturer: Onan
 Model: DN4M
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 114 in³ (1.9L)
 Horsepower: 24.1 @
 2000 RPM
 Compression: 18.5:1

Fuel

Fuel Capacity (Gal): 9
 Fuel Consumption (GPH): 1.07
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 62
 Width (in): 32
 Height (in): 37
 Weight (lb):
 Dry: 1170
 Wet (8 hrs fuel,
 coolant, & POLs): 1272
 Volume (ft³): 41

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items

MEP-112A.

Transportability

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

GENERATOR SET, DIESEL ENGINE, 20kW, 60Hz

NSN: 6115-01-531-0571

TAMCN: B0930

ID: 11125A



Functional Description

The 20 kW 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
 Volts: 120/208
 Frequency (Hz): 60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: Isuzu
 Model: 4LE1
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 133 in³ (2.179L)
 Horsepower: 31 @ 1800 RPM
 Compression: 21.5:1

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 (lb):
 Dry: 2345 w/adapter
 Wet (8 hrs fuel, coolant, & POLs): 2655 w/adapter
 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

NSN: 6115-01-274-7389

TAMCN: B0953

ID: 09249A



Functional Description

The 30kW 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: MCII
 Model: MEP-805A
 Volts: 120/208/240/416
 Frequency (Hz): 50/60
 Speed (RPM): 1800
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 4239T
 Type: 4 Cycle

 Cylinders: 4
 Displacement: 239 in³ (3.9L)
 Horsepower: 92 @ 1800 RPM
 Compression: 17.8:1

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 (lb):
 Dry: 2732
 Wet (8 hrs fuel, coolant, & POLs): 2931
 Volume (ft³): 88

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items MEP-005A.

Transportability All variants of the USMC M353 trailer.

GENERATOR SET, DIESEL ENGINE, 30kW, 60Hz																																																																						
NSN: 6115-01-461-9335	TAMCN: B0953	ID: 09249B																																																																				
																																																																						
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<p>The 30kW 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, 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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<u>Engine</u>		Height (in):	55																																																																			
Manufacturer:	John Deere	Weight (lb):																																																																				
Model:	4045TF151	Dry:	2732																																																																			
Type:	4 Cycle	Wet (8 hrs fuel, coolant, & POLs):	2931																																																																			
Cylinders:	4	Volume (ft ³):	88																																																																			
Displacement:	239 in ³ (3.9L)	<u>Aural Signature</u>																																																																				
Horsepower:	92 @ 1800 RPM	Audio Rating:	70dBA @ 7 meters																																																																			
Compression:	17.0:1																																																																					
<u>Replaced Items</u>		MEP-005A, MEP-805A.																																																																				
<u>Transportability</u>		All variants of the USMC M353 trailer.																																																																				

GENERATOR SET, DIESEL ENGINE, 30kW, 400Hz

NSN: 6115-01-274-7394

TAMCN: B0971

ID: 09246A



Functional Description

The 30kW 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: MCII
 Model: MEP-815A
 Volts: 120/208/240/416
 Frequency (Hz): 400
 Speed (RPM): 2000
 Phase: 3

Engine

Manufacturer: John Deere
 Model: 4239T
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 239 in³ (3.9L)
 Horsepower: 92 @ 2000 RPM
 Compression: 17.8:1

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 (lb):
 Dry: 2931
 Wet (8 hrs fuel, 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.

GENERATOR SET, DIESEL ENGINE, 30kW, 400Hz

NSN: 6115-01-462-0290

TAMCN: B0971

ID: 09246B



Functional Description

The 30kW 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.

Technical Description

Generator Set

Manufacturer: MCII
 Model: MEP-815B
 Volts: 120/208/240/416
 Frequency (Hz): 400
 Speed (RPM): 2000
 Phase: 1 and 3

Engine

Manufacturer: John Deere
 Model: 4045TF151
 Type: 4 Cycle
 Cylinders: 4
 Displacement: 239 in³ (3.9L)
 Horsepower: 92 @ 2000 RPM
 Compression: 17.0:1

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 (lb):
 Dry: 2732
 Wet (8 hrs fuel, coolant, & POLs): 2931
 Volume (ft³): 88

Aural Signature

Audio Rating: 71dBA @ 7 meters

Replaced Items

MEP-114A, MEP-815A.

Transportability

All variants of the USMC M353 trailer.

GENERATOR SET, DIESEL ENGINE, MODEL MEP-531A

NSN: 6115-01-435-1565

TAMCN: B0980

ID: 11101A



Functional Description

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.

Technical Description

Generator Set

Manufacturer: Dewey
 Model: MEP-531A
 Volts: 120
 Frequency (Hz): 60
 Speed (RPM): 3600 to 3750
 Phase: 1

Engine

Manufacturer: Yanmar
 Model: L48AE-DEG
 Type: 4 Cycle
 Cylinders: 1
 Displacement: 12.88 in³. 0.21L
 Horsepower: 4.2 @ 3600 RPM
 Compression: 19.9:1

Fuel

Fuel Capacity (Gal): 1.6
 Fuel Consumption (GPH): 0.3
 Fuel Requirement: Diesel/JP-8

Dimensions

Length (in): 29.5
 Width (in): 16
 Height (in): 21.7
 Weight (lb):
 Dry: 123.5
 Wet (4 hrs fuel, coolant, & POLs): 152
 Volume (ft³): 5.9

Aural Signature

Audio Rating: 79dBA @ 7 meters

Replaced Items

No USMC items replaced.

Transportability

All variants of the M116 trailer.

GENERATOR SET, DIESEL ENGINE, 60kW, 400Hz

NSN: 6115-01-274-7395

TAMCN: B1016

ID: 09245A



Functional Description

The 60kW 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: MCII
 Model: MEP-816A
 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)
 Horsepower: 134 @
 2000 RPM
 Compression: 17.8:1

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 (lb):
 Dry: 3606
 Wet (8 hrs fuel,
 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.

GENERATOR SET, DIESEL ENGINE, 60kW, 400Hz

NSN: 6115-01-462-0292

TAMCN: B1016

ID: 09245B



Functional Description

The 60kW 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
 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)
 Horsepower: 134 @
 2000 RPM
 Compression: 17.0:1

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 (lb):
 Dry: 3603
 Wet (8 hrs fuel,
 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

NSN: 6115-01-274-7390

TAMCN: B1021

ID: 09244A



Functional Description

The 60kW 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: MCII
 Model: MEP-806A
 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)
 Horsepower: 134 @
 1800 RPM
 Compression: 17.8:1

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 (lb):
 Dry: 3556
 Wet (8 hrs fuel,
 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.

GENERATOR SET, DIESEL ENGINE, 60kW, 60Hz

NSN: 6115-01-462-0291

TAMCN: B1021

ID: 09244B



Functional Description

The 60kW 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, 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-806B
 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)
 Horsepower: 134@1800 RPM
 Compression: 17.0:1

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 (lb):
 Dry: 3556
 Wet (8 hrs fuel, coolant, & POLs): 3992
 Volume (ft³): 103

Aural Signature

Audio Rating: 70dBA @ 7 meters

Replaced Items

MEP-006A, MEP-806A.

Transportability

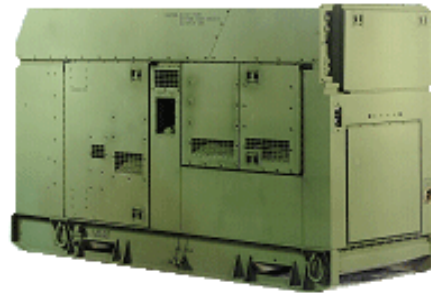
All variants of the USMC M353 trailer.

GENERATOR SET, DIESEL ENGINE, 100kW, 60Hz

NSN: 6115-00-296-1463

TAMCN: B1045

ID: 07464C



Functional Description

The 100kW 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
 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)
 Horsepower: 250 @
 1800 RPM
 Compression: 16.0:1

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 (lb):
 Dry: 5500
 Wet (8 hrs fuel,
 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

NSN: 6115-00-133-9101

TAMCN: B1045

ID: 07464A



Functional Description

The Generator Set, Diesel Engine Driven, Skid Mounted, 100kW 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
 Volts: 120/208/240/416
 Frequency (Hz): 60
 Speed (RPM): 2400
 Phase: 3

Engine

Manufacturer: Caterpillar
 Model: D333C(T)
 Type: 4 Cycle, turbocharged
 Cylinders: 6
 Displacement: 638 in³ (10.45L)
 Horsepower: 170 @ 1800 RPM

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 (lb):
 Dry: 6680
 Wet (8 hrs fuel, coolant, & POLs): 7500
 Volume (ft³): 156

Aural Signature

Audio Rating: 72dBA @ 7 meters

Replaced Items No USMC items replaced.

Transportability Medium Tactical Vehicle Replacement (MTRV).

GENERATOR SET, DIESEL ENGINE, 100kW, 60Hz

NSN: 6115-01-036-6374

TAMCN: B1045

ID: 07464B



Functional Description

The Generator Set, Diesel Engine Driven, Skid Mounted, 100kW 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
 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)
 Horsepower:
 50Hz: 181 @ 1500 RPM
 60Hz: 217 @ 1800 RPM

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 (lb):
 Dry: 6680
 Wet (8 hrs fuel, 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, LINEMAN, ELECTRICIAN			
NSN: 5180-00-596-1531		TAMCN: B2240	
		ID: 01204A	
			
Functional Description			
<p>The Tool Kit, Lineman, Electrician consists of tools and equipment required for installation, maintenance, and repair of telephone and telegraph lines. Included are pole climbing equipment, cable grip tools, wire splicing clamps, hand cutting tools, bolt cutters, and miscellaneous items. It is stowed and transported in a single chest.</p>			
Technical Description			
<u>Tool Set</u>		<u>Dimensions</u>	
Manufacturer:	Multiple	Length (in):	33.3
Model:	SL3-01204A	Width (in):	19.6
		Height (in):	14.4
		Weight (lb):	106
		Volume (ft ³):	5.4
<u>References</u>			
	SL-3-00192B		
	SL-3-01204A		
<u>Replaced Items</u>	Non USMC items replaced.		
<u>Transportability</u>	Two Handle, Man Portable.		

TOOL KIT, INTERMEDIATE LEVEL, ELECTRICIANS

NSN: 5180-01-546-8026

TAMCN: B7900

ID: 11390A



Functional Description

The I-Level Tool Kit is comprised of various hand tools and accessories to aid Marines in Military Occupational Specialty (MOS) 1141 to install and maintain interior wiring in fixed structures. The I-Level Tool Kit will come in a rugged/transportable case, and will include 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.

Technical Description

Tool Set

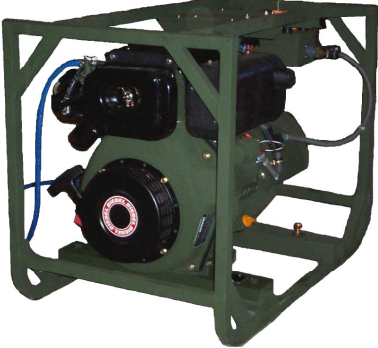
Manufacturer: Black & Company Management INC.
 Model: TK 1141/1
 I-Level

Dimensions

Length (in): 48.0
 Width (in): 24.0
 Height (in): 28.0
 Weight (lb): 510
 Volume (ft³): 18.75

Replaced Items No USMC items replaced.

Transportability Forklift Portable.

BATTERY CHARGING APU, DIESEL ENGINE			
NSN: N/A		TAMCN: N/A	
		ID: N/A	
			
Functional Description			
<p>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.</p>			
Technical Description			
<u>Generator Set</u>		<u>Fuel</u>	
Manufacturer:	Dewey	Fuel Capacity (Gal):	Requires Separate Fuel Source
Model:	N/A	Fuel Consumption (GPH):	0.58
Volts:	28VDC	Fuel Requirement:	Diesel/JP8 or JP5
Speed (RPM):	3600		
Phase:	1	<u>Dimensions</u>	
		Length (in):	33
		Width (in):	21
		Height (in):	25
<u>Engine</u>		Weight (lb):	
Manufacturer:	Yanmar	Dry:	201
Model:	L100V	Wet:	N/A
Type:	Air cooled, 4 Cycle	Volume (ft ³):	5.9
Cylinders:	1		
Displacement:	26.5 in ³ . (0.435L)	<u>Aural Signature</u>	
Horsepower:	8.3 @ 3600 RPM	Audio Rating:	97dBA @ 1 meters (Engine Only)
Compression:	21.2:1		
<u>Replaced Items</u>	No USMC items replaced.		
<u>Transportability</u>	LVS / MK48 Power Unit		