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MEP804A – MEP804B – MEP814A – MEP814B MANUALS

- [MEP804A-MEP804B-MEP814A-MEP814B-Technical-Manual-Repair-Parts-Manual-TM-9-6115-643-24P](#)
- [MEP804A-MEP804B-MEP814A-MEP814B-Technical-Manual-Operators-Manual-TM-9-6115-643-10](#)
- [MEP804A-MEP804B-MEP814A-MEP814B-Unit-DS-GS-Technical-Manual-TM-9-6115-643-24](#)
- [MEP804A-MEP804B-MEP814A-MEP814B-RPSTL-Technical-Manual-TM-9-6115-643-24P](#)
- [MEP804A-MEP804B-MEP814A-MEP814B-Engine-Parts-Technical-Manual-TM-9-2815-254-24P](#)
- [MEP804A-MEP804B-MEP814A-MEP814B-Engine-Maintenance-Technical-Manual-TM-9-2815-254-24](#)

Identification Data		
Description	15 kW TQG, 50/60 Hz, DED, Skid Mtd	15 kW, TQG, 400 Hz, DED, Skid

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MILITARY DIESEL GENERATORS & PARTS



LIN	G12170B model G12170		G12238B model G12238	
Specification	MIL-DTL-53133/5		MIL-DTL-53133/6	
SSN	M53500		M53500	
Trailer mounted configurations	PU-801B: Figure A-16 PU-802A: Figure A-17 PP-AN/MJQ-48B: Figure A-19		PU-800A: Figure A-15 PP-AN/MJQ-39B: Figure A-18	
Physical Characteristics				
Dimensions LWH (in)	70 x 36 x 55 (Cube: 77 ft3)			
Wet Weight (lbs)	2124		2238	
Engine	Yanmar – Model:4TNV84T-DFM 4 Cycle, Liquid Cooled, 4 Cyl, 3.31 Inch Bore, 40 BHP @ 1800 RPM, 24 VDC starter,			
Instrumentation	Hour meter, voltmeter, frequency, amps (% RL), oil pressure, fuel, coolant temp, battery amps, emergency stop, battle short.			
Fuels	Diesel DL-1, DL-2; Jet Fuel JP-8.			
Fuel Capacity	Fuel tank: 14 gallons.			
Performance Characteristics				
Power Rating	15 kW (12.5 kW @ 50 Hz), 0.8 pf @ 4000 ft/120 °F; 110% Max Power; De-rate: 3.5%/1000 ft from 4000 to 8000 ft			
Environmental Capability	-25°F (-50°F W/kit) to 125°F, rain, humidity, altitude, sand/dust, transportation, cold storage: -60°F, salt spray, fungus, 15° incline.			
Protective Devices	Automatic shut down with emergency bypass for low oil pressure, coolant high-temperature, no fuel, over-speed, and over-voltage.			
Fuel Consumption	1.44 gph @ rated load.		1.75 gph @ rated load.	
Human Factors	MIL-STD-1474.			
Noise	70 dBA @ 7 meters (23 ft).			
Reliability (MTBF)	594 hr @ 80% LCL		377 hr @ 80% LCL	
Maintenance Ratio	less than 0.05			
Electrical Characteristics				
Connection	120/208V, 3ph, 4 wire	240/416V, 3ph, 4 wire	Freq adj range	

MILITARY DIESEL GENERATORS & PARTS



Electrical	Drip proof generator enclosure, fungus & moisture treated, solid state voltage regulator, solderless connectors, brushless Marathon/Lima generator.							
Electrical Performance								
Electric Power Quality	AC Voltage				Frequency			
	50/60 Hz		400 Hz		50/60 Hz		400 Hz	
Regulation	1%				0.25%			
Modulation	1%							
Short term steady st stability (30 sec)	1% bandwidth				0.5% bandwidth			
Long term steady state stability (4 hr)	2% bandwidth				1% bandwidth			
Application/rejection of rated load,Recovery time	15% dip/rise,0.5 sec		12% dip/rise,0.5 sec		4% und/over,2 sec		1.5%und/over, 1 sec	
Motor load	30% dip, .7 sec to 95% init volt		25% dip,,7 sec to 95% init volt					
Max waveform deviation factor	5%							
Individual waveform harmonic	2%							
EMI	Meets MIL-STD-461C Part 9							
EMP	HAEMP IAW MIL-STD-2169							

Optional Equipment			
Description	NSN	Tech Bulletin	Effect on Dimensions (in)
Winterization kit	6115-01-477-0566	TB 9-6115-643-13	None (internal)
Technical Manuals			
	Army	Air Force	Marine Corps
Operators	TM 9-6115-643-10	TO 35C2-3-455-21	None
Unit, DS, GS	TM 9-6115-643-24	TO 35C2-3-455-22	
RPSTL	TM 9-6115-643-24P	TO 35C2-3-455-24	