



MULTITEK

NORTH AMERICA, LLC

MG38 Generator

Standard Features MG38

- Tier 3 Purpose Built Engine - 74hp Deere Diesel Engine – Model - PE4045TF290
- Robust Steel Housing
 - Weather Proof Housing
 - Sound Attenuating is Standard
 - Lockable Doors
 - Powered Coated Panels
- Deep Sea Control Panel
 - Hour Meter
 - Coolant Temperature
 - Oil Pressure
 - DC Voltmeter – Battery
 - AC Voltmeter – Hz, Amp and Voltage
- 38kW Continuous Duty Stamford PE144J Power Generator
 - Insulation Class H
 - Heavy Duty, Capable of Single or 3 Phase Applications



Optional Equipment MG38 Series

- Deere Engine Options
 - Remote Monitoring System
 - Electric Engine Preheaters
 - Webasto Heater
 - Electric 120v Block Heater
 - Oil Pan Heater 120v
 - Battery Blanket 120v
 - Tier 4 Compliance
- Optional Alternator
 - Marathon Electric – Brushless 4 Pole Rotating Field – Class H
- Optional Aluminum Roof with Steel Doors and Side Panels
- Optional Total Aluminum Enclosure with Sound Attenuation
- Tandem Axle Trailer Mounted
- Custom Color Powder Coating
 - 6 Available Colors
- External Crank Case Drain Line
- PMG with Voltage Regulator



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Engine Specifications

Deere PowerTech Diesel Engine 4045TF285

- Tier 3 Direct Injected In-Line 4 Cylinder
- 99hp 4.5L Turbocharged 4 Cycle
- HCPR Fuel System 23,000 PSI
- ECU Controlled Fuel Injection
- Electronic Governor Control
- Standard 12V Starter and 65 Amp Alternator

Fluids

- 11.9 Quarts of SAE 5W30 for 0°F and Above
- 2.9 Gals of CoolGard® Engine Coolant

Fuel Consumption Based on Engine Loading

US Gals/Hr @1800rpm	
%Engine Load	Gal/Hr
75%	2.5
100%	3.2

Additional Features

- Self-Adjusting Poly-Vee Fan Drive
- Forged Steel Connecting Rods
- Replaceable Cylinder Liners
- 500 Hour Oil Change Intervals
- 12V Electrical System

Alternator Specifications

Brushless Stamford PI144J Alternator

Generator Ratings—1800 RPM Diesel

- Rated 38kW Continuous
- 105°C Temp Rise@Temp Ambient=40°C
- 3 Phase, 4-Pole, 1800rpm, 60Hz
- 480V/277V & 208V/120V, 12 Leads
- SAE 3 SAE 11 ½

Voltage	Ph	Hz	Prime Output kW (kVA)	Standby Output kW (kVA)	Standby Max Amp Output	Wires
120/240	1	60	38 (40)	42 (48)	146	12
120/208	3	60	38 (61)	42 (60)	125	12
120/240	3	60	38 (61)	42 (60)	108	12
277/480	3	60	38 (61)	42 (60)	54	12

Control Panel Specifications

Deep Sea DSE7420

- Microprocessor Based Controller
- Multilingual Capability
- Navigation Key with Large LCD
- Extremely Rugged Vibration Resistant
- Event Recording
- Remote Display Panel

Deep Sea Options

- Engine Protection: Low Oil Pressure, Over Speed & Over Crank, Fuel Sender Failure, Battery Charger Failure
- High Coolant Temperature
- Metering: Volts, Hz, Watts, VA, RPM, DC Volts, Fuel Level, Engine Run Time

Package Specifications

- Weight: Total Unit Weight w/o Fuel 2400 lbs.
- Dimensions: 87"L x 45"W x 66"H