



MULTITEK

NORTH AMERICA, LLC

MG100 Generator

Standard Features MG100

- Tier 3 Purpose Built Engine - 157hp Deere Diesel Engine – Model - PE4045HF285
- Robust Steel Housing
 - Weather Proof Housing
 - Sound Attenuating is Standard
 - Lockable Doors
 - Powered Coated Panels
 - Separate Access Door for Controls
 - Containment base with 200 Gallon Fuel Tank
- Deep Sea Control Panel
 - Hour Meter
 - Coolant Temperature
 - Oil Pressure
 - DC Voltmeter – Battery
 - AC Voltmeter – Hz, Amp and Voltage
- 100kW Continuous Duty Stamford UC1274D Power Generator
 - Insulation Class H
 - Heavy Duty, Capable of Single or 3 Phase Applications



Optional Equipment MG100 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
- Alternator Option
 - PMG Exciter
 - Marathon Electric – Brushless 4 Pole Rotating Field – Class H
- Optional Weatherproof, Sound Attenuating Aluminum Housing
- Tandem Axle Trailer Mounted



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Engine Specifications

Deere PowerTech Diesel Engine 4045HF285

- Tier 3 Direct Injected In-Line 4 Cylinder
- 157hp 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

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

Fuel Consumption Based on Engine Loading

US Gals/Hr @1800rpm

%Engine Load	Gal/Hr
75%	6.4
100%	8.3

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 UC1274D Alternator

Generator Ratings—1800 RPM Diesel

- Rated 100kW 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	Standby Output kW (kVA)	Prime Output kW (kVA)	Standby Max Amp Output	Wires
120/240	1	100	100 (100)	90 (90)	416	12
120/208	3	100	100 (125)	90 (112)	346	12
120/240	3	100	100 (125)	90 (112)	300	12
277/480	3	100	100(125)	90 (112)	150	12

Control Panel Specifications

Deep Sea DSE 7430

- 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 3240 lbs.
- Dimensions: 120"x 45" w x 73"H