



JOHN DEERE

MARINE DIESEL

MG-100-TII

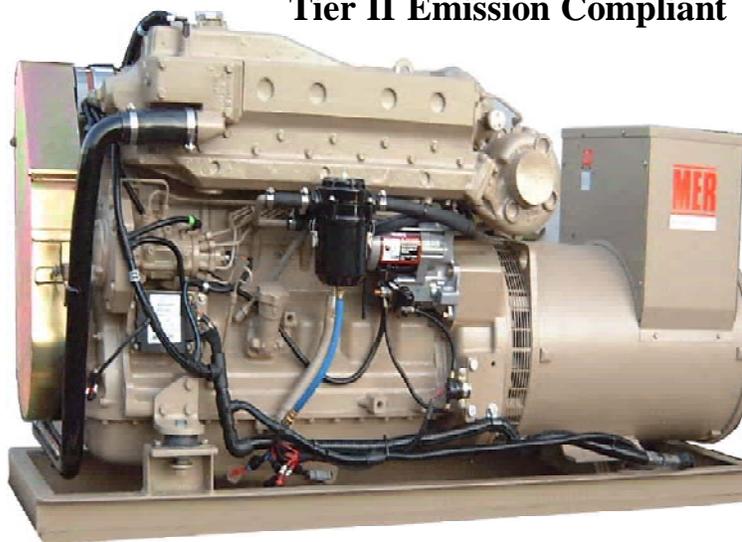
GENERATOR

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6068T/1607

Tier II Emission Compliant

****2 Year Limited
commercial warranty**



SOUND ENCLOSURES AVAILABLE FOR ALL MER GENERATORS

ENGINE FEATURES:

- * Tier II compliant electronically controlled fuel injection for fuel efficient, low smoke operation.
- * Wet Cylinder liners for long life and easy rebuildability.
- * Six cylinder, four stroke, counterbalanced, Turbocharged direct injected design, for smooth, quiet performance.
- * Deluxe John Deere Digital instrument panel, pre-wired for easy plug-together installation.
- * Automatic shut down system for high water temperature and/or low oil pressure.
- * Electric start/stop solenoid with warm up idle function.
- * Electronic fuel injection governing for precise 60 Hz generator output no load to full load.
- * Structural steel base frame with anti-vibration suspension mounts at crankcenter to minimize vibration transfer to the hull.
- * Live PTO with 50 hp output, standard on Keel Cooled Engines.

Package Length:
76.62" (363 Frame)
73.49" (362 Frame)



Width:-----28"
Height:-----38"
Length: Engine:-----44.9"
Generator Length:
Lima MG100SL 31.72" (SL, 363 frame)
Lima MG96SL 28.59" (SL, 362 frame)
Lima 100Mac-R 31.5" (ML, 440 frame)
Newage MG100SN 33.5" 3 Ph: UCI- 274E)
Newage MG96SN 28.9" 3 Ph: UCI- 274G)

Dimensions subject to change.
All dimensions in inches.

**MG-100JDSL-Tier II
100 Kilowatt - 1800 RPM
2369 Pounds*
Externally Regulated
Marine Generator**

- *MG-96SL, 3PH--2222 LBS
- *MG-100SL, 3PH--2369 LBS
- *MG-100ML, 3 PH--2696 LBS
- *MG-96SN, 3PH--2349 LBS
- *MG-100SN, 3PH--2476 LBS

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MER MG-100JD-TII

1800 RPM MARINE GENERATOR

OUTPUT @ 1800 RPM:

Prime Power 3 Phase rating @ .8 PF.....100Kw
Standby rating @ 125deg. rise.....110Kw
Voltage regulation: MG-100SL (SER).....±1%
MG-100ML (MAC).....±4%

Note: SER Basler regulated units are built for multi-purpose onboard power. MAC motor application units are built for large electric motor starting, at a 1hp per 1Kw capacity (code G, motor-35% dip, one

INSTALLATION SPECIFICATIONS:

Minimum Dry Exhaust output size: 3" ID w/5" flange
Opt. wet exhaust elbow: 4" OD (Hose ID 4")
Fuel inlet/return size: 10mm/ 3/8" OD (Hose ID 3/8")
Total Fuel Flow with return: 30gph.
Exhaust gas flow @ 1800 rpm: 848, CFM, Max. Temp. 745 F.
Engine heat rejection: 5863 BTU, Coolant Flow 33gpm

MER marine gensets come standard set up for keel cooling. Heat exchanger cooling is available with brass gear-driven sea water pump, and cupro-nickle heat exchanger & stainless wet exhaust elbow.

ENGINE SPECIFICATIONS:

ENGINE MODEL: John Deere 6068TFM75

ENGINE TYPE.....6 CYLINDER, 4 CYCLE, TURBOCHARGED
COUNTER-BALANCED, WATER COOLED, MARINE
DIESEL
PISTON DISPLACEMENT.....414cu.in. (6.8L)
CYLINDER LINER.....CAST IRON, WET, O-RING FIT
CRANKSHAFT.....Forged steel, dynamically balanced
COMPRESSION RATIO.....17:1
WATER CAPACITY.....32quarts, 30L
ENGINE ROTATION.....CCW (facing flywheel)
RECOMMENDED BATTERY800 CCA, 12V

- * replaceable Cast Iron Wet liners for long life expectancy & easy in frame rebuildability.
- * low vibration & noise due to counterbalanced crankshaft, high mass flywheel & crank-center mounted vibration isolators.
- * fuel efficient, low smoke performance, thanks to Tier II compliant electronically controlled fuel injection system.
- * wet exhaust manifold and expansion tank provide low engine room temperatures and reduced fire hazard.
- * easy starting in all weather conditions, with direct injection and glow plug pre-heating.
- * automatic shut-down system triggered by low oil pressure or high water temperature conditions, for engine protection and safety.

OPTIONS:

Electronic generator meters & controls, heat exchanger cooling, multiple clutched or live PTOs, Motor application generator ends, remote or automatic start.

Many other optional features & designs are available, please inquire, if you have special application problems.

MER Marine Generators

"More power through better performance."

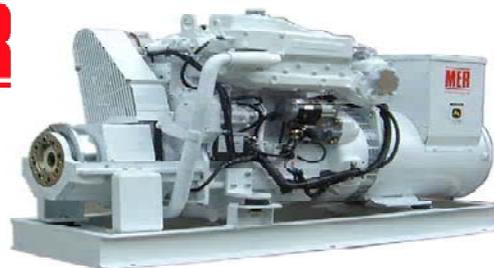
The MER Marine Generator combines a direct driven, 1800 RPM, brushless, continuous duty alternator and MER Packaged John Deere Diesel engine in a generator system manufactured & load tested to the strictest quality standards.

The MER Generator is designed and built specifically for the rugged conditions of commercial use. The expected time between overhauls on the MER packaged generator set is 30 to 50 thousand hours.

Around the world, the MER name has become synonymous with dependable, fuel efficient, maintenance free diesel power. MER has been building generator sets for the fishermen, contractors, and processors of the west coast since 1964. Our generators are built to withstand the tests of time and heavy use.

Talk to an owner of our products. Ask him about our gensets and our after sales services and then call us. We are toll free from anywhere in North America and we're on call 24 hours a day for same day shipping, worldwide.

MER



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