



TractorGen

MG-7.5

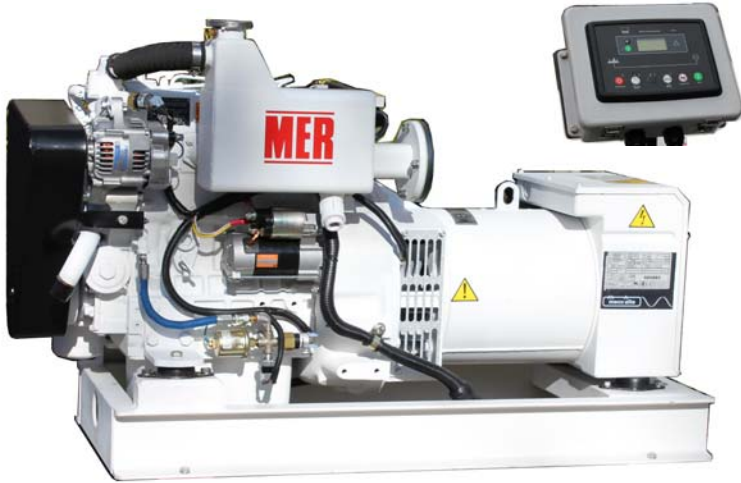
1800 RPM

-FACTORY DIRECT-  
EPA TIER iT-IV - MARINE DIESEL  
GENERATOR

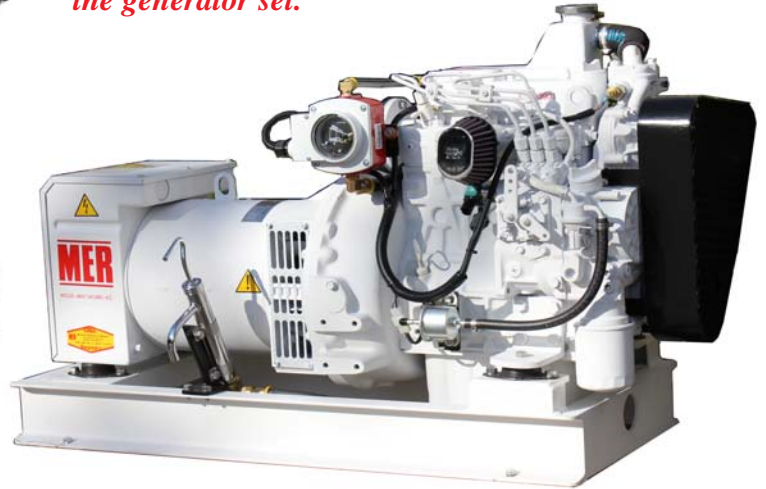
D1005/ECP3-1LN

© 2011 MER Equipment  
All rights reserved.

*MER custom generators are made in the USA - Specifically designed for large electric motor starting requirements. MER custom designs can start up to One HP per KW; maximizing efficiency - Saving thousands of gallons of fuel over the life of the generator set.*



**MG-7.5KMAC--KC**  
*Tier IV Mechanical*



**ENGINE FEATURES:**

\* Experience: With over 80 years building diesel engines, Kubota is proud to be the number one engine manufacturer of diesel engines below 100 HP.

\*Reliable - Durable Quality: Kubota Corporation's Quality Inspection Facility is state of the art and dedicated to meet the highest expectations of the Kubota name.

\*Emissions: The Engine Product Environmental Management Section at Kubota -Osaka, Japan takes all possible measures to ensure that Kubota Diesels meet the world's highest level of emission regulations. EPA, CARB, EU and MOC Certified.

\*High efficiency (88%) motor start generator with dedicated secondary excitation windings for unsurpassed voltage control, 5.2 HP Code G motor start capability as standard equipment.

\*Kubota's BG series offers a solid timing gear train without the use of belts. The unique mechanical governor system ensures stable output and regulation. Kubota's generator engine lineup provides compact, high performance, rugged engine design built for maximum efficiency & longevity.



Dimensions will change with optional generators and or cooling systems. Please confirm exact configuration if dimensions are critical.

**Lengths**

- 19.7" Engine Only
- 18.5" 282 Frame
- 20.5" 283 Frame
- 20.6" ECP3-1LN Frame
- 20.6" ECP3-2LN Frame
- 10.6" NPE32-B/4 PANCAKE

- \*590 lbs with 282 frame
- \*615 lbs with 283 frame
- \*520 with ECP3-1LN Frame
- \*542 with ECP3-2LN Frame
- \*518 with NPE-32 Pancake

All dimensions in inches Standard keel cooled configuration.

**MG-7.5KMAC-KC**  
**7.5 KW-1800 RPM**  
**520 POUNDS\***

**Length: 31" - 43"\***  
**Width: 18.5"**  
**Height: 27.0"**  
(Dependent on Gen. option)

**MER Equipment**

338 West Nickerson  
Seattle, Washington 98119 - USA  
(206) 286-1817 FAX: (206) 286-1917

**Toll Free: 1-800-777-0714**  
**email: info@merequipment.com**  
**www.merequipment.com**

# MER- MG-7.5KMAC-KC

## 1800 RPM MARINE GENERATOR

### OUTPUT @ 1800 RPM:

Continuous 3 Phase rating @ .8 PF.....7.5 Kw  
Intermittent rating (standby).....8.5 Kw  
Voltage regulation: MG-7.5KMAC.....+/- 1%

Note: Regulated units are built for multi-purpose onboard power. Optional motor application units are available for larger motor starting, (up to 1 hp per 1 Kw starting capacity).

### INSTALLATION SPECIFICATIONS:

Water inlet size: 26mm/1.0" OD (Hose ID 1.0")  
Water outlet size: 26mm/1.0" OD (Hose ID 1.0")  
Exhaust output size: 38mm/1.5" ID w/5" flange  
Opt. wet exhaust elbow: 50mm/2.0" OD (Hose ID 2.0")  
Fuel inlet size: 3/8" OD (Hose ID 3/8")  
Fuel return size: 6mm/ 1/4" OD (Hose ID 1/4")  
Heat Rejection @ 1800rpm: 713 BTU/minute  
Coolant Flow: 10 GPM  
Exhaust Gas Flow: 70 CFM, Exhaust temp max. 800 F.  
Max allowable backpressure: 28" Water

MER marine gensets come standard set up for keel cooling. Heat exchanger cooling is available with brass direct-driven sea water pump, and zinc protected cupro-nickle heat exchanger.

### ENGINE SPECIFICATIONS:

ENGINE MODEL: D1005-E3BG  
ENGINE TYPE...3 CYLINDER, 4 CYCLE, 9 VALVE,  
WATER COOLED, NATURAL IDI MARINE DIESEL  
RATED HP: 13.1 HP STANDBY, 11.7 HP PRIME.  
BORE X STROKE.....76mm x 73.6mm,  
PISTON DISPLACEMENT.....61.08cu.in. (1.0L)  
FUEL INJECTION TYPE.....IDI  
MAXIMUM CONTINUOUS OPERATING ANGLE.....20 DEG.  
INTERMITTENT ANGLE.....30 DEG.  
OIL CAPACITY.....5 quarts (5.1L)  
ENGINE ROTATION.....CCW (facing flywheel)  
ALTERNATOR.....30 Amps, 12V  
BELLHOUSING / FLYWHEEL SAE 5 / 6.5

- \* low vibration & noise due to high mass flywheel, crank-center mounted vibration isolators, and denoised engine.
- \* structural steel baseframe designed for ease of installation.
- \* wet exhaust manifold and expansion tank provide low engine room temperatures and reduced fire hazard.
- \* easy starting in all weather conditions, with cold start pre-heating.
- \* automatic safety shutdown system triggered by low oil pressure or high water temperature conditions, for engine protection.

### OPTIONS:

Stainless Steel Wet Exhaust Elbow, Heat Exchanger Cooling, Front End PTO, AC Instruments, Automatic Start/Stop, Inverter Interface, Digital Remote instruments and controls.

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

# MER Marine Generators

*"More power through better performance."*

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

The MER Generator is designed and built in the USA specifically for the rugged conditions of commercial use. The expected time between overhauls on the MER packaged generator set is 20 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**  
EQUIPMENT

[www.merequipment.com](http://www.merequipment.com)

338 West Nickerson  
SEATTLE, WASHINGTON 98119  
PHONE (206) 286-1817  
TOLL FREE 1-800-777-0714  
FAX (206) 286-1917

