

MER

ISUZU

MG-14

1800 RPM

-FACTORY DIRECT- MARINE DIESEL GENERATOR

3CE/1504

We don't make a lot of noise, just a lot of electricity!
(80 DbA @ one meter without a sound enclosure)



- *Tough enough to start a 12 hp electric motor.
- *Precise enough to run your computer.
- *You tell us the application,
We'll build the generator for the job.



Standard MER Features :

- * Deluxe MER instrument panel, with 4 Murphy Switch-gauges, pre-wired for easy plug-together installation.
- *12 Volt, 1.7kw Electric starter, 40 Amp Alternator and remote electric start / stop solenoid.
- *New generation thermostatically controlled fuel injection pump, automatic air bleeding, achieve the lowest possible smoke and exhaust emissions. The C series engines meet all Tier IV emission standards.
- *Balanced, four stroke, OHV, direct injected design make the Isuzu C series one of the most fuel efficient engines in its class.
- *Independent, automatic safety shutdown systems for high water temperature or low oil pressure protect your investment.

*Structural steel base frame with captive anti-vibration suspension mounts, (97% efficiency) minimize vibration and noise transfer to the frame.

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

© 2008 MER Equipment
All rights reserved.

All dimensions in inches
Std. Keel cooled config.

Lengths

24.3" 3CD Engine only
17.94" (Lima SER 282 frame)
20.9" (Lima Mac 280 frame)
13.25" (pancake Jr.)
20.44" (Lima SER 283 frame)
14.41" (Newage BCI-164D)

- *601 lbs with Lima SER 282 frame
- *606 lbs with Lima Mac-R 280 frame
- *541 lbs with Fidelity Pancake Jr.
- *671 lbs with Lima SER 283 frame
- *616 lbs with Newage BCI-164D

**MG-14CESL
14 KW-1800 RPM
601 POUNDS***

**Length: 37.6 - 44.75"*
Width: 19.125"
Height: 28.0"**
(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-ISUZU MG-14CESL 1800 RPM MARINE GENERATOR

OUTPUT @ 1800 RPM - 60Hz:

Continuous 3 Phase rating @ .8 PF.....14 Kw
Intermittent rating (standby).....15 Kw
Voltage regulation: MG-14CESL (SER).....±1%
MG-14CEML (MAC).....±4%

Note: SER Basler regulated units are built for multipurpose onboard power. Optional motor application units are built for large motor starting, (up to 1 hp per 1 Kw starting capacity).

INSTALLATION SPECIFICATIONS:

Fresh Water inlet size: 30mm/1-1/8" OD (Hose ID 1-1/8")
Exhaust output size: 38mm/1.5" ID w/ 5" OD flange
Opt. wet exhaust elbow: 51mm/2" OD (Hose ID 2")
Fuel inlet size: 8mm/ 5/16" OD (Hose ID 5/16")
Fuel return size: 8mm/ 5/16" OD (Hose ID 5/16")
Heat Rejection @ 1800rpm: 805 BTU/minute
Engine sound pressure: 80.1 dbA at one meter
Exhaust Gas Flow: 114 CFM, @950F, Coolant Flow 9 GPM
Intake Air flow for combustion: 56.5 CFM

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

ENGINE SPECIFICATIONS:

ENGINE MODEL: ISUZU 3CE1BGZG-01, SAE 5/7.5
ENGINE TYPE....3 CYLINDER, 4 CYCLE, OVERHEAD
VALVE DIRECT INJ, WATER COOLED MARINE DIESEL
BORE X STROKE.....3.46in. x 3.54 in. (88mm x 90mm)
PISTON DISPLACEMENT.....98 cu.in. (1.6L)
CRANK: CAST IRON, BALANCED & COUNTERWEIGHTED
COMPRESSION RATIO.....19.0:1
COOLANT CAPACITY, ENGINE ONLY....2.1 quarts (2.0L)
OIL CAPACITY.....7quarts (6.7L)
ENGINE ROTATION.....CCW (facing flywheel)
ALTERNATOR.....40 Amps, 12V
FRONT PTO PULLY CAPACITY.....10.8 Hp
MAXIMUM INSTALLATION ANGLE.....30 DEG.

- * low vibration & noise due to high mass flywheel, crank-center mounted vibration isolators, and denoised engine.
- * fuel efficient, low smoke performance, thanks to four cycle OHV thermostatically controlled direct injection system.
- * wet exhaust manifold and expansion tank provide low engine room temperatures and reduced fire hazard.
- * easy starting in all weather conditions, with intake air pre-heating module.
- * automatic safety shutdown system triggered by low oil pressure or high water temperature conditions, for engine protection and safety.

OPTIONS:

MOTOR START GENERATORS, HEAT EXCHANGER COOLING, FRONT END POWER TAKEOFFS, AC INSTRUMENTS, EXHAUST SILENCERS (WET OR DRY), RACOR FUEL FILTRATION, LOW FLUID LEVEL SHUTDOWNS, OIL CHANGE PUMP, SOUND INSULATED ENCLOSURES, AUTO-START ELECTRONIC ENGINE CONTROLS, AND MANY MORE, TOO LENGTHY TO LIST.

MER Marine Generators

*"Superior Service --
--Better Engineering."*

The MER Marine Generator combines a direct driven, 1800 RPM, brushless, continuous duty alternator and MER marinized Isuzu 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 20 to 50 thousand hours.

Around the world, the Isuzu 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.

Warranty on major components is 2 years.



A DIVISION OF MARINE ENGINE & REPAIR

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

