

# MER

## ISUZU

### MG-18

### 1800 RPM

# -FACTORY DIRECT- MARINE DIESEL GENERATOR

SOUND ENCLOSURES AVAILABLE FOR ALL MER GENERATORS



**MG-18LE1MN-HE**



### ENGINE FEATURES:

- \* Deluxe VDO instrument panel, pre-wired for easy plug-together installation.
- \*12 Volt Electric start, 35 Amp Alternator and electric start/stop solenoid.
- \*New generation independent fuel injection pumps, automatic air bleeding, and equalized fuel lines achieve the lowest possible smoke and exhaust emissions.  
The L series engines meet all proposed emission standards thru the 21st century
- \*Balanced, four stroke, OHV, swirl injected design with sound insulated valve train and oil pan, make the new Isuzu L series the quietest, smoothest running engine in its class.
- \*Independent, automatic safety shutdown systems for high water temperature or low oil pressure protect your investment.
- \*Steel skid frame with captive anti-vibration suspension mounts (97% efficiency).

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

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All dimensions in inches  
Std. Keel cooled config.

#### Lengths

27.7" 4LE1 Engine only  
18" (Lima SER 282 frame)  
20.9" (Lima Mac 280 frame)  
13.25" (pancake Jr.)  
20.5" (Newage BCI-184E) -05

\*747 lbs with Lima SER 282 frame  
\*748 lbs with Lima Mac-R 280 frame

\*736 lbs with Newage 3 ph. Series 5 or 6  
\*799 lbs with Newage 1 ph. Series 5 or 6

**MG-18LE1MN  
18KW-1800 RPM  
747 POUNDS\***

**Length: 45.7" - 48.6"\*  
Width: 19.125"  
Height: 26.0"**  
(Dependent on Gen. option)

#### MER Equipment

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# MER-ISUZU MG-18LEMN

## 1800 RPM MARINE GENERATOR

### OUTPUT @ 1800 RPM:

Continuous 3 Phase rating @ .8 PF.....18 Kw  
Intermittant rating (standby).....20 Kw  
Voltage regulation: MG-18LE1SN.....+/- 1%  
MG-18LE1MN.....+/- 4%

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

### INSTALLATION SPECIFICATIONS:

Water inlet size: 34mm/1-3/8" OD (Hose ID 1-3/8")  
Exhaust output size: 51mm/2" ID w/4" flange  
Opt. wet exhaust elbow: 60mm/2.38" OD (Hose ID 2.38")  
Fuel inlet size: 10mm/ 3/8" OD (Hose ID 3/8")  
Fuel return size: 6mm/ 1/4" OD (Hose ID 1/4")  
Heat Rejection @ 1800rpm: 1250 BTU/minute

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 4LE1PV02  
ENGINE TYPE....4 CYLINDER, 4 CYCLE, OVERHEAD VALVE, WATER COOLED, MARINE DIESEL  
BORE X STROKE.....85mm x 96mm  
PISTON DISPLACEMENT.....133cu.in. (2.2L)  
CRANKSHAFT.....CAST IRON, BALANCED & COUNTERWEIGHTED  
COMPRESSION RATIO.....21.5:1  
WATER CAPACITY.....9.5quarts (9.0L)  
OIL CAPACITY.....8.5quarts (8.0L)  
ENGINE ROTATION.....CCW (facing flywheel)  
ALTERNATOR.....35 Amps, 12V

\* 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 design and Bosch-type individual fuel injection pumps.

\* wet exhaust manifold and expansion tank provide low engine room temperatures and reduced fire hazard.

\* easy starting in all weather conditions, with glow plug pre-heating.

\* automatic shutdown system triggered by low oil pressure or high water temperature conditions, for engine protection and safety.

### OPTIONS:

Wet Exhaust Elbow, Heat Exchanger Cooling, Front End PTO, AC Instruments, Automatic Start/Stop, Inverter Interface.

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 Marine Generator combines a direct driven, 1800 RPM, brushless, continuous duty alternator and MERA Marine 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.



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

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