Economic Operation
All Mitsubishi engines are designed and built to deliver performance, dependability and fuel efficiency. From the combustion chamber design to the fuel injection technology, to the turbocharger and the advanced cooling system...everything has been perfectly balanced to provide highly reliable operation and optimum fuel consumption across the entire power curve.

Easy Maintenance
With Mitsubishi’s S6A3 marine engine, maintenance is very easy. Each cylinder has its own cylinder head and the engine has large inspection covers on the crankcase and oil pan. No auxiliary component requires separate lubrication, whether it’s the fuel injection pump, the governor, the water pump or the turbocharger.

Approved by All Major Classification Societies
At our ISO certified manufacturing facilities, every Mitsubishi S6A3 diesel engine is built to meet the highest quality standards, as recognized by Lloyd’s Register of Shipping and other major international marine classification societies.

Environmental Compatibility
Mitsubishi offers a full compliment of engines meeting both IMO and EPA emissions standards.

Local Support Around The Globe
A team of support specialists is available worldwide to ensure that service and maintenance are performed without delay.
**Type**
4-cycle, watercooled, turbocharged diesel engine.
MPTA with aftercooler, cooled by engine jacket water.
MPTK with intercooler, cooled by (sea) water of max 32°C.

**Combustion System**

**Cylinder Arrangement**
In-Line, 6-Cylinder

**Bore x Stroke** - inches (mm)
5.91 (150) x 6.89 (175)

**Total Displacement** - in³ (litres)
1,133 (18.56)

**Compression Ratio**
14.5 : 1

**Rotation**
SAE Standard (Counter-Clockwise Viewed from Flywheel End)

**Starting System**
Electric Motor, 24 Volt - 6.0kW

**Flywheel**
SAE 14

**Flywheel Housing**
SAE #1

**Fuel Oil**
ASTM D975, No. 1-D, No. 2-D

**Dry Weight - lbs (kg)**
4079 (1850)
4190 (1900)

**Output Marine Gen-Drive**

<table>
<thead>
<tr>
<th>Heavy Duty</th>
<th>Medium Duty</th>
<th>Light Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP (kWm) @ RPM</td>
<td>HP (kWm) @ RPM</td>
<td>HP (kWm) @ RPM</td>
</tr>
<tr>
<td>489 (365) @ 1200</td>
<td>536 (400) @ 1200</td>
<td>577 (430) @ 1500</td>
</tr>
<tr>
<td>536 (400) @ 1500</td>
<td>617 (460) @ 1800</td>
<td>637 (475) @ 1800</td>
</tr>
<tr>
<td>483 (360) @ 1840</td>
<td>529 (395) @ 1900</td>
<td>597 (445) @ 1900</td>
</tr>
<tr>
<td>583 (435) @ 1960</td>
<td>657 (490) @ 1960</td>
<td></td>
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</tbody>
</table>

**Outside Dimensions**

Dimensions in millimeters (1 inch = 25.4mm)

**Standard Engine Equipment**

**Fuel System**
Flexible fuel supply and return hoses, fuel feed pump, fuel filters, fuel injection pump, double-wall fuel injection lines, fuel injectors, overflow valve.

**Lubricating Oil System**
Wet type oil pan with inspection covers, oil pressure pump (gear driven), full-flow lubricating oil filters, by-pass filter, oil cooler with thermostat, piston cooling through oil injectors.

**Cooling System**
Fresh water pump, thermostats with bypass.

**24 Volt Electric System Earth Floated**
Starter motor, battery charging alternator (35 amp), energize-to-stop (ETS) stop solenoid.

**Air Intake and Exhaust System**
Mitsubishi turbocharger with vertical exhaust outlet, air inlet silencer with pre-cleaner, inlet air aftercooler or intercooler, inlet manifold, exhaust manifold (water-cooled), individual cylinder heads for easy service and maintenance, 4-valve cylinder head design for high efficiency and low emissions.

**General**
Hydraulic Woodward PSG governor with oil supply system, mounting brackets, SAE standard flywheel and housing, torsional vibration damper, parts catalog and owners manual.

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