Marine

DIESEL ENGINE S60
for fast vessels with low load factors (1DS)

Engine type

<table>
<thead>
<tr>
<th>Engine</th>
<th>Rated power ICFN kW (bhp)</th>
<th>Speed rpm</th>
<th>No. of cylinders</th>
<th>Bore/stroke mm (in)</th>
<th>Displacement, total l (cu in)</th>
<th>Description</th>
<th>Governor</th>
<th>Port model</th>
<th>Starboard model</th>
</tr>
</thead>
<tbody>
<tr>
<td>S60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Turbocharged and aftercooled</td>
<td></td>
<td>6062HK31 (HE)</td>
<td>6062HK30 (HE)</td>
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<tr>
<td>Engine with marine gearbox</td>
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<td>MG 5114 A</td>
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</table>

Dimensions (L x W x H) mm (in) Mass, dry kg (lbs)

<table>
<thead>
<tr>
<th>Engine</th>
<th>Dimensions (L x W x H) mm (in)</th>
<th>Mass, dry kg (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S60</td>
<td>1842 x 1035 x 1160 (72.5 x 40.7 x 45.7)</td>
<td>1630 (3593)</td>
</tr>
<tr>
<td>Engine with marine gearbox</td>
<td>2036 x 1035 x 1170 (80.2 x 40.7 x 46.1)</td>
<td>1941 (4279)</td>
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</tbody>
</table>

Optional equipment and finishing shown. Standard may vary.

Typical applications: fast yachts, fast patrolboats, police craft

Power curve (Nm)

Engine speed (rpm)
- Rated power 615 kW
- Rated power 552 kW

Engines comply with NOx limits according to MARPOL 73/78 (IMO) Annex VI; available also acc. to EPA emission standard 40CFR 94 Tier2.
### Performance & fuel consumption

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</thead>
<tbody>
<tr>
<td>Speed (rpm)</td>
<td>2300</td>
<td>2300</td>
<td>2300</td>
<td>2300</td>
<td>2300</td>
</tr>
<tr>
<td>Maximum power (kW)</td>
<td>466</td>
<td>499</td>
<td>552</td>
<td>597</td>
<td>615</td>
</tr>
<tr>
<td></td>
<td>625</td>
<td>670</td>
<td>740</td>
<td>812</td>
<td>825</td>
</tr>
<tr>
<td>Fuel consumption (g/kWh)</td>
<td>216</td>
<td>211</td>
<td>215</td>
<td>218</td>
<td>219</td>
</tr>
<tr>
<td></td>
<td>121</td>
<td>127</td>
<td>143.1</td>
<td>156.7</td>
<td>162.4</td>
</tr>
<tr>
<td></td>
<td>31.9</td>
<td>33.5</td>
<td>37.9</td>
<td>41.4</td>
<td>42.9</td>
</tr>
</tbody>
</table>

### Standard equipment

- **Diesel engine**: Water-cooled exhaust components; flywheel housing SAE #1
- **Fuel system**: Electronic unit injection system; secondary fuel filter mounted on engine
- **Engine oil system**: Dual filters mounted on engine
- **Engine cooling system**: Titanium plate modular heat exchanger system with integral fuel cooler; sea water cooled charge air cooler; gear driven self-priming raw water pump with 2.5" inlet
- **Air inlet system**: Air intake filter with silencer and attached on breather pipe; 24V emergency air shutdown
- **Electrical**: Starter: 24V; alternator: 24V/100 amp, belt driven
- **Mounting system**: Resilient
- **Marine gear**: Electric shift marine gear; gear oil cooler in raw water circuit
- **Port/starboard; engine configuration**: Accessibility for service work

### Optional equipment

- **Engine lube system**: Remote mount lube oil filters – single or double
- **Electrical**: 12V starter; 12V alternator/130 amp; 12V Amot air shut down
- **Accessory drives**: SAE A (front gear train), front crankshaft pulley for use with V-belts
- **Transmission**: Shallow oil pan, down angle
- **Transmission options**: Trolling valve
- **Exhaust**: Raw water cooled stainless elbow
- **Electric priming fuel pump**: Mounted on primary fuel filter/water separator
- **Classification**: Available upon request

Reference conditions:
> Power definition according ISO 3046
> Intake air temperature 25°C/Sea water temperature 25°C
> Intake air depression 15 mbar/Exhaust back pressure 30 mbar
> Rated power available up to 45°C/32°C
> Shaft power equal to rated power x 0.97

Standard load profile:
Power % 100 70 15
Time % 10 70 20

Specifications are subject to change without notice. All dimensions are approximate, for complete information refer to installations drawing. For further information consult your MTU distributor/dealer.

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