**Marine**

**DIESEL ENGINE S60**
for vessels with unrestricted continuous operation (1A)

![Engine Image]

**Engine**

<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>2040 x 1035 x 1170 (80.3 x 40.7 x 46.1)</td>
<td>1941 (4279)</td>
</tr>
</tbody>
</table>

**Optional equipment and finishing shown. Standard may vary.**

**Engine type**

<table>
<thead>
<tr>
<th>Engine type</th>
<th>S60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated power ICFN kW (bhp)</td>
<td>261 - 373 (350 - 500)</td>
</tr>
<tr>
<td>Speed rpm</td>
<td>1800</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>6</td>
</tr>
<tr>
<td>Bore/stroke mm (in)</td>
<td>133/168 (5.2/6.6)</td>
</tr>
<tr>
<td>Displacement, total l (cu in)</td>
<td>14.0 (855)</td>
</tr>
<tr>
<td>Description</td>
<td>Turbocharged and aftercooled Electronic DDEC IV</td>
</tr>
<tr>
<td>Governor</td>
<td></td>
</tr>
<tr>
<td>Port model</td>
<td>6062HK39 (HE) or HK37 (KC)</td>
</tr>
<tr>
<td>Starboard model</td>
<td>6062HK38 (HE) or HK36 (KC)</td>
</tr>
</tbody>
</table>

**Typical applications:** Work boats, tugs and pushboats, offshore supply boats, fishing trawlers, draggers, ferries

**Power curve (Nm)**

![Power Curve Graph]

**Engine speed (rpm)**

- Rated power 354 kW
- Rated power 298 kW
### Performance & fuel consumption

<table>
<thead>
<tr>
<th>Speed rpm</th>
<th>S60</th>
<th>S60</th>
<th>S60</th>
<th>S60</th>
<th>S60</th>
<th>S60</th>
<th>S60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum power kW (SAE J 1228)</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
</tr>
<tr>
<td></td>
<td>261</td>
<td>280</td>
<td>298</td>
<td>317</td>
<td>336</td>
<td>354</td>
<td>373</td>
</tr>
<tr>
<td></td>
<td>350</td>
<td>375</td>
<td>400</td>
<td>425</td>
<td>450</td>
<td>475</td>
<td>500</td>
</tr>
<tr>
<td>Fuel consumption g/kWh</td>
<td>206</td>
<td>205</td>
<td>198</td>
<td>197</td>
<td>196</td>
<td>196</td>
<td>196</td>
</tr>
<tr>
<td>l/hr</td>
<td>64.7</td>
<td>69.3</td>
<td>71</td>
<td>75.3</td>
<td>79.5</td>
<td>83.7</td>
<td>88.2</td>
</tr>
<tr>
<td>gal/hr</td>
<td>17.1</td>
<td>18.3</td>
<td>18.7</td>
<td>19.9</td>
<td>21</td>
<td>22.1</td>
<td>23.3</td>
</tr>
</tbody>
</table>

### Standard equipment

- Diesel engine
- Fuel system
- Engine oil system
- Engine cooling system; heat exchanger (HE)
- Engine cooling system; keel cooled (KC) (6062 HK 32/33)
- Air inlet system
- Electrical
- Mounting system
- Marine gear
- Port/starboard; engine configuration

- Water-cooled exhaust components; flywheel housing SAE #1
- Electronic unit injection system; secondary fuel filter mounted on engine
- Dual filters mounted on engine
- 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
- Engine equipped for keel cooling including expansion tank; separate circuit cooling pump; engine fuel cooler; marine gear oil cooler
- Air intake filter with silencer and attached on breather pipe; 24V emergency air shutdown
- Starter: 24V; alternator: 24V/100 amp, belt driven
- Resilient
- Electric shift marine gear; gear oil cooler in raw water circuit
- Accessibility for service work

### Optional equipment

- Engine lube system
- Electrical
- Accessory drives
- Transmission
- Transmission options
- Exhaust
- Electric priming fuel pump

- Remote mount lube oil filters – single or double
- 12V starter; 12V alternator/130 amp; 12V Amot air shut down
- SAE A (front gear train), front crankshaft pulley for use with V-belts
- Shallow oil pan, down angle
- Trolling valve
- Raw water cooled stainless elbow
- Mounted on primary fuel filter/water separator
- Available upon request

Reference conditions:
- Power definition according ISO 3046
- Intake air temperature 25°C/Sea water temperature 25°C
- Rated power available up to 45°C/32°C
- Shaft power equal to rated power x 0.97
1B – Diesel engines for fast vessels with high load factors
Standard load profile:
- Power % 100 80 60 15
- Time % 10 50 20 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.