Diesel Engines Series 60
for Marine Applications
Maximum Continuous 1B
354 - kW
480 - mhp
475 - bhp

Compliant
com mit MARPOL 73/78 (IMO)
Annex VI NOx Limits
EPA Tier II

Engine Specifications

<table>
<thead>
<tr>
<th>Version</th>
<th>In-line 6 cylinder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displacement</td>
<td>14.0 liters (855 cu in)</td>
</tr>
<tr>
<td>Bore and Stroke</td>
<td>133 mm x 168 mm (5.24 in. x 6.61 in.)</td>
</tr>
<tr>
<td>Description</td>
<td>Turbocharged and charge air cooled</td>
</tr>
<tr>
<td>Governor</td>
<td>DDEC</td>
</tr>
<tr>
<td>Port Model</td>
<td>6062HK33/35</td>
</tr>
<tr>
<td>Starboard Model</td>
<td>6062HK32/34</td>
</tr>
</tbody>
</table>

Typical applications
- Crew Boats
- Water Taxis
- Pilot Boats
- Ferry Boats
- Patrol Boats

Standard Power Rating

<table>
<thead>
<tr>
<th>Air Temp. 25°C</th>
<th>kW</th>
<th>mhp</th>
<th>bhp</th>
<th>rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power</td>
<td>354</td>
<td>480</td>
<td>475</td>
<td>2100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sea Water Temp. 25°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating Conditions</td>
</tr>
<tr>
<td>SAE J 1228</td>
</tr>
</tbody>
</table>

Standard Boat Profile

- 100% Power, 50% Time
- 85% Power, 25% Time
- <15% Power, 25% Time
Rating Definition - Maximum Continuous
The marine continuous-maximum rating applies to medium to high speed commercial boats that operate at moderate to low load factors. Duration of full throttle operation is limited to 75% of total operating time.

Dimensional Information - Heat Exchanged

Dry Weight w/ TD5114A Marine Gear: 4,240 lbs. (1923 kg)

Dimensional Information - Keel Cooled

Dry Weight w/o Marine Gear: 3,525 lbs. (1599kg)

All dimensions are approximate. For complete dimensional information, refer to installation drawing provided by your authorized Detroit Diesel Corporation representative. Marine transmission shown represents standard option marine gear.

Standard Equipment
Main Engines - Water-cooled exhaust components; Aluminum flywheel housing
Fuel System - Electronic unit injection system; secondary fuel filter mounted on engine
Engine Oil System - Dual filters mounted on engine
Engine Cooling System (6062HK34/35) - 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 Cooling System (6062HK32/33) - Engine equipped for Keel cooling including expansion tank, separate circuit cooling pump, engine fuel cooler, and marine gear oil cooler
Air Inlet System - Air intake filter with silencer and closed breather system; 24V emergency air shutdown
Electrical - Starter: 24V, Alternator: 24V/100 amp, belt driven
Engine Mounting - Engine mounts with isolators or solid mount
Marine Gear - DDC shallow case electric shift marine gear; gear oil cooler in raw water circuit
Port/STBD Engine Configuration - For ease of service and maintenance

Optional Equipment
Flywheel Housing - Cast iron
Engine Lube System - Remote mount lube oil filters – single or double
Electrical - 12V starter; 12V alternator/130 amp; 12V Amot air shutdown
Accessory Drives - SAE A (front gear train), Front crankshaft pulley for use with V-belts & interface for remote PTO
Transmission - Deep case, Down Angle
Transmission Options - Trolling valve, companion flange and PTO
Exhaust - Raw water cooled stainless elbow (heat exchanger cooled only)
Front PTO - Direct Drive Front PTO rated at either 350 or 525 ft. lbs.
Marine Society Certification - Available upon request

For more information contact your MTU or DDC distributor. All Detroit Diesel distributors in NAFTA are authorized MTU distributors.
www.mtu-online.com / www.detroitdiesel.com / marine@detroitdiesel.com

Series 60 is a trademark of Detroit Diesel Corporation. MTU is a registered trademark of MTU Motoren- und Turbinen-Union Friedrichshafen.
4SA475ev 0310 As technical advancements continue, specifications will change. Photograph represents a typical marine engine. Printed in U.S.A.