PowerTech ™
6068AFM 85 Diesel Engine
Marine Propulsion Engine Specifications

Emissions
EPA Commercial Marine Tier 3
IMO MARPOL Annex VI Compliant
NRM M (97/68/EC) as amended

Dimensions shown in mm (in) may vary according to options selected. Contact your distributor for more information.

General Data (Based on Standard Option Configuration)

<table>
<thead>
<tr>
<th>Model</th>
<th>6068AFM 85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of cylinders</td>
<td>6</td>
</tr>
<tr>
<td>Displacement - L (cu in)</td>
<td>NA (6)</td>
</tr>
<tr>
<td>Bore and Stroke - mm (in)</td>
<td>107 x 127 (4.21 x 5.00)</td>
</tr>
<tr>
<td>Engine Type</td>
<td>In-line, 4-Cycle</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged and air-to-coolant aftercooled</td>
</tr>
</tbody>
</table>

Classification Societies
ABS, BV, CCS, DNV, LR

*SOLAS and other accessories available. Contact your distributor for details.

Performance specifications

<table>
<thead>
<tr>
<th>Performance ratings</th>
<th>Power kW (bhp)</th>
<th>Rated Speed (rpm)</th>
<th>Rated fuel consumption L/hr (gal/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>172 (230)</td>
<td>2300</td>
<td>25 (15.0)</td>
</tr>
<tr>
<td>M2</td>
<td>198 (265)</td>
<td>2400</td>
<td>57.9 (15.3)</td>
</tr>
<tr>
<td>M3</td>
<td>224 (300)</td>
<td>2500</td>
<td>76.0 (20.1)</td>
</tr>
<tr>
<td>M4</td>
<td>246 (330)</td>
<td>2600</td>
<td>71.2 (18.8)</td>
</tr>
</tbody>
</table>

Metric hp = Brake hp x 1.01387
### Features and Benefits

**High Torque and Low Rated RPM**
- High torque provides excellent vessel control and maneuverability. Lower rated propulsion RPM reduces vibration and noise for improved crew comfort.

**4-Valve Cylinder Head**
- Excellent airflow through 4-valve cylinder head delivers greater low-speed torque and better transient response time.

**High-pressure Common-rail (HPCR)**
- The HPCR fuel system provides variable common-rail pressure, multiple injections, and higher injection pressures. It also controls fuel injection timing and provides precise control for the start, duration, and end of injection. Electronic transfer pump is self-priming for ease of maintenance. Provides high performance, excellent fuel economy, and low emissions.

**Water-cooled Exhaust Manifold**
- Integrated components eliminate external hoses and fittings that can leak or break. Wet exhaust manifold creates a cooler and quieter environment for passengers and crew.

**Replaceable Cylinder Liners**
- Replaceable wet-type cylinder liners are precision-machined and hardened for long life. Allows engine to be rebuilt to original specifications.

**Electronic Engine Control Unit (ECU)**
- Advanced fault code diagnostics and customizable engine protections ensure reliability and uptime. Provides highly customizable features and trim to integrate your vessel.

**Keel-cooled or Heat Exchanger**
- Closed cooling system in keel-cooled engine option eliminates the need for a sea strainer, seawater pump, or anodes. Heat exchanger option offers a lighter, more compact, and simpler engine installation.

**Multiple Service Options**
- Either-side oil fill/dipstick combinations and remote oil and fuel filter options are available for easier service access.