## MARINE ENGINE

<table>
<thead>
<tr>
<th></th>
<th>Turbocharged Model</th>
<th>Natural Aspiration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum (Flywheel)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>@ 1300 RPM</td>
<td>BHP 360</td>
<td>220</td>
</tr>
<tr>
<td>HP (metric)</td>
<td>365</td>
<td>223</td>
</tr>
<tr>
<td>Intermittent (Flywheel)</td>
<td>BHP 300</td>
<td>200</td>
</tr>
<tr>
<td>@ 1300 RPM</td>
<td>HP (metric) 304</td>
<td>203</td>
</tr>
<tr>
<td>Continuous (Flywheel)</td>
<td>BHP 240</td>
<td>170</td>
</tr>
<tr>
<td>@ 1225 RPM</td>
<td>HP (metric) 243</td>
<td>172</td>
</tr>
<tr>
<td>Continuous (Shaft)</td>
<td>BHP 233</td>
<td>165</td>
</tr>
<tr>
<td>@ 1225 RPM</td>
<td>HP (metric) 236</td>
<td>167</td>
</tr>
<tr>
<td>Approx. Fuel Consumption</td>
<td>Gal/Hr 12.9</td>
<td>9.4</td>
</tr>
<tr>
<td>@ Full Cont. Shaft HP</td>
<td>Lit/Hr 48.9</td>
<td>35.4</td>
</tr>
</tbody>
</table>

*For Maximum & Intermittent Applications, consult Factory*

## DESCRIPTION

Four stroke cycle, Diesel

<table>
<thead>
<tr>
<th>Number of cylinders</th>
<th>In-Line 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore and stroke:</td>
<td>inches: 5.75 x 8.00</td>
</tr>
<tr>
<td></td>
<td>millimeters: 146 x 203</td>
</tr>
<tr>
<td>Displacement:</td>
<td>cu. in.: 1246</td>
</tr>
<tr>
<td></td>
<td>liters: 20.4</td>
</tr>
<tr>
<td>Low idle speed</td>
<td>450 RPM</td>
</tr>
<tr>
<td>Engine Rotation</td>
<td>SAE Standard</td>
</tr>
</tbody>
</table>

Approximate dry weight

<table>
<thead>
<tr>
<th>Engine (T) (NA*)</th>
<th>lb</th>
<th>kg</th>
<th>lb*</th>
<th>kg*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5790</td>
<td>2620</td>
<td>6000</td>
<td>2540</td>
<td></td>
</tr>
<tr>
<td>Marine gear (MG514)</td>
<td>1145</td>
<td>519</td>
<td>1145</td>
<td>519</td>
</tr>
<tr>
<td>Total</td>
<td>6935</td>
<td>3139</td>
<td>6745</td>
<td>3059</td>
</tr>
</tbody>
</table>
STANDARD EQUIPMENT INCLUDES:

Air Cleaner, Single-Stage, dry
Breather, Crankcase
Cooler, Lubricating Oil
Filters, Fuel, Lubricating Oil
Flywheel and Flywheel Housing SAE No. 0
Gauge, Fuel Pressure
Governor, Mechanical
Instrument Panel, right side or left side
Lubricating Oil Pressure Gauge
Water Temperature Gauge
Lifting Eyes
Oil Pan, Shallow
Paint, Caterpillar yellow
Pumps, Fuel Transfer
Pumps, Water
Auxiliary, Sea Water, Gear-driven, Rotary, Self-priming (not included with keel cooling arrangement)
Jacket Water, Gear-driven, Centrifugal
SAE Standard Rotation
Service Meter
Supports
Thermostats and Housing
Vibration Damper, Viscous, T engine, Rubber,
NA engine
Tachometer Drive
Gear, Reverse and Reduction, Twin-Disc MG512 or
MG514, includes propeller shaft flange and marine
gear oil cooler,
Manifold, Watercooled Exhaust
Manual Pump, Lubricating Oil Sump.
Tank, Expansion

*Option of Engine only can be specified.

ATTACHMENTS

☐ Rain cap and service indicator.
☐ Engine mounted controls, right or left side, positive
locking, remote single cable actuation.
☐ Remote positive locking mounted controls including
elbows, cable, cable assembly, pilot house single
lever option.
☐ Heat exchangers, admiralty metal or copper-nickel.
☐ Exhaust fittings including flexible connections
and elbows.
☐ Mufflers for horizontal or vertical installation.
☐ Flexible fuel lines and primary fuel filter.
☐ Fuel priming pump.
☐ Tachometers, both electric and mechanical.
☐ Instrument panels for pilot house, electric or
mechanical, for single and twin installations.
☐ Front enclosed Twin-Disc clutches.
☐ Crankshaft stub shaft.
☐ Safety devices and alarm switches.

Figures in parenthesis ( ) are metric.
STANDARDS:

GENERAL: All BHP ratings are at SAE J816 Standard conditions — 29.38 in Hg (746 mm) and 86°F (30°C). All HP (Metric) ratings are at DIN 6270 Standard conditions — 736 mm (28.97 in Hg) and 20°C (68°F).

Shaft ratings are net output ratings; i.e., the capabilities of the engine equipped with air cleaners, fuel, lube oil, jacket water pumps and marine gear.

INTERMITTENT is the horsepower and speed capability in applications having variable speed and/or load requirements.

CONTINUOUS is the horsepower and speed capability that can be utilized without interruption or load cycling.

OTHER RATINGS: Published intermittent and continuous ratings are a general guide for world-wide use over a broad application range. Other ratings, yielding higher performance and economic return, are available to meet the requirements of particular application.

FUEL FACTS: Fuel consumption applies to standard marine engine based on fuel oil having a gross heat value of 19,500 BTU per pound (10,830K-cal/Kg) and weighing 7.12 pounds per U.S. gallon (855 gm/ltr).

MARINE GEAR SPECIFICATIONS . . .
TWIN-DISC MG512 and MG514
- Adjustment-free oil-bathed multiple-disc sintered metal clutches . . . hydraulically controlled . . . separate clutch pack for forward and reverse
- Gears in constant mesh, full power for both forward and reverse duty . . . twinning flexibility
- Lubricant filtered twice and cooled before entering pressurized system.
- Hardened, ground and honed helical-tooth gears.
- Come-Home lock-up feature.
- Warranted by Caterpillar.

Material and specifications are subject to change without notice.