### Marine Engine

<table>
<thead>
<tr>
<th></th>
<th>Turbocharged Model</th>
<th>Natural Aspiration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum (Flywheel)*</td>
<td>BHP@ 2200 RPM HP</td>
<td>200</td>
</tr>
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<td></td>
<td>203</td>
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<td>117</td>
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<tr>
<td>Intermittent (Flywheel)*</td>
<td>BHP@ 2200 RPM HP (metric)</td>
<td>165</td>
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<td></td>
<td>167</td>
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<td>101</td>
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<tr>
<td>Continuous (Flywheel)</td>
<td>BHP@ 2000 RPM HP</td>
<td>125</td>
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<tr>
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<td></td>
<td>127</td>
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<td></td>
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<tr>
<td>Continuous (Shaft)</td>
<td>BHP@ 2000 RPM HP</td>
<td>121</td>
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<td>84</td>
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<tr>
<td>Approx. Fuel Consumption</td>
<td>Gal/Hr @ Full Cont. Shaft HP Lit/Hr</td>
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<td></td>
<td>28.1</td>
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<td>5.2</td>
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</tbody>
</table>

*For Maximum & Intermittent Applications, consult Factory.

### Description

Four stroke cycle, Diesel
Number of cylinders: In-Line 4
Bore and stroke: inches: 4.75 x 6.00
millimetres: 121 x 152
Displacement: cu. in. litres: 425
7.0
Low idle speed: 650 RPM
Engine Rotation: SAE Standard
Approximate dry weight lb kg lb* kg*
Engine (T) (NA*): 1900 861 1850 840
Marine gear: 340 154 340 154
Total: 2240 1015 2190 994
STANDARD EQUIPMENT INCLUDES*

Air Cleaner, Single-Stage, dry
Alternator, Charging, 24 volt, 36 amp
Breather, Crankcase
Cooler, Lubricating Oil
Drive, Tachometer, with Adapter
Filters, Fuel, Lubricating Oil
Flywheel and Flywheel Housing, SAE No. 2
Gauge, Fuel Pressure
Governor, Hydra-mechanical
Lifting Eyes
Paint, Caterpillar yellow
Pumps, Fuel Priming, Jacket Water, gear-driven
SAE Standard Rotation
Service Meter
Starting, Electric, 24-volt
Supports
Cooler, Marine Gear Oil
Lines, Flexible Fuel
Fuel Ratio Control
Gear, Reverse and Reduction, Twin Disc MG506, includes propeller shaft flange.
Governor Control Lever
Heat Exchanger, installed, removable tube bundle.
Manifold, Exhaust, Copper Nickel Watercooled Pump, Auxiliary (Sea Water), Gear-Driven Shutoff, Rack Solenoid
Tank, Expansion

*Option of Engine only can be specified

ATTACHMENTS

☐ Rain cap, air cleaner, service indicator.
☐ Engine mounted controls, positive locking and vernier options, remote actuated, single cable, right side.
☐ Pilot house controls, single and two-lever, cable and fittings.
☐ Keel cooling conversion (excludes keel cooler).
☐ Exhaust fittings, elbows, water cooled elbows, mufflers for horizontal and vertical installations.
☐ Primary fuel filters
☐ Electrical and mechanical tachometers, single and dual engines.
☐ Instrument panels, engine mounted or for pilot house, electric or mechanical instrumentation.
☐ Auxiliary drives, gear and pulley driven.
☐ Front enclosed clutch, Twin-Disc.
☐ Alarm switch, oil pressure and water temperature.
☐ Air starting motor, includes fuel priming pump, air receiver, pressure reducing air valve.
☐ Hydraulic starting.
☐ Battery sets for electric starting, glow plugs.
☐ Bilge and deck-washing pumps.
**RATINGS:**

**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 applications.

Intermittent and continuous metric performance at 736mm (28.97 in. Hg.) and 20°C (68°F)—DIN 6270.

Fuel consumption is based on fuel oil having a HHV of 19,590 btu/lb (45,570 kJ/kg) and weighing 7.076 lb. per U.S. Gal. (848 gm per litre). Engine equipped with fuel, lube oil, and jacket water pumps.

**MARINE GEAR SPECIFICATIONS . . .**

**TWIN-DISC MG506**

- 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 strained and cooled before entering pressurized system.
- Hardened, ground and honed gears.
- Come-Home lock-up feature.
- Warranted by Caterpillar.

☐ Certification by major marine classification societies is available.
☐ Auxiliary-power engine configurations can be specified. Consult your application specialist.