Power produced at the flywheel will be within standard tolerances up to 50°C (122°F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.
**RATING DEFINITIONS AND CONDITIONS**

**E RATING** – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

**RATINGS** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50°C (122°F) and for sea water temperatures up to and including 42°C (108°F) at sea level.

**FUEL RATES** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven. For a “without pumps” condition, deduct approximately 0.5% for each pump not engine driven.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.
Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM4953-00 (4-23-01)
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Power produced at the flywheel will be within standard tolerances up to 50°C (122°F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.

**SPECIFICATIONS**

I-6, 4-Stroke-Cycle-Diesel

Emissions ........................................... IMO compliant
Bore—mm (in) ........................................... 110 (4.33)
Stroke—mm (in) ........................................... 127 (5.0)
Displacement—L (cu in) ........................... 7.2 (442)
Rotation (from flywheel end) .................. Counterclockwise
Compression Ratio ................................. 15.5:1
Capacity for Liquids—L (U.S. gal)
  Cooling System ................................. 28 (7.4)
  Lube Oil System (refill) ...................... 25 (6.6)
Oil Change Interval — hrs ......................... 250
  Caterpillar DEO 10W30 or 15W40
Engine Weight, Net Dry
  (approx) — kg (lb) ............................. 722 (1,592)

**STANDARD ENGINE EQUIPMENT**

Air Inlet System
  12V air inlet heater, sea water aftercooler, air cleaner/fumes disposal, turbocharger

Charging System
  12V, 51 amp charging alternator

Control System
  mechanical governor, forward facing throttle control

Cooling System
  thermostats and housing, belt-driven centrifugal jacket water pump, gear-driven auxiliary sea water pump, expansion tank, marine gear oil cooler, engine mounted heat exchanger with removable copper-nickel tube bundle, auxiliary sea water lines

Exhaust System
  watercooled exhaust manifold and turbocharger, fumes disposal

Flywheel and Flywheel Housing
  SAE No. 3 flywheel (126 teeth) and SAE No. 3 flywheel housing, SAE standard rotation

Fuel System
  RH or LH service filter, fuel transfer pump

Instrumentation
  magnetic pickup tachometer drive, wiring harness includes junction box, mounting and hardware, 12V oil pressure and water temperature sender group (single station)

Lube System
  crankcase breather, gear-driven engine oil pump, RH or LH service oil filter, oil filler, oil level gauge, pan drain, lubricating oil

Protection System
  12V energized-to-run solenoid shutoff, alarm contactor

Starting System
  12V rear-facing electric starting motor, 12V junction box

General
  vibration damper and guard, Caterpillar yellow paint, lifting eyes
**RATING DEFINITIONS AND CONDITIONS**

**E RATING** – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

**RATINGS** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50°C (122°F) and for sea water temperatures up to and including 42°C (108°F) at sea level.

**FUEL RATES** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven. For a “without pumps” condition, deduct approximately 0.5% for each pump not engine driven.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.
3126 MARINE PROPULSION – 261 bkW (350 bhp)

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar’s control.

TMI Reference No.: DM4952-00 (4-23-01)
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Power produced at the flywheel will be within standard tolerances up to 50°C (122°F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.

**STANDARD ENGINE EQUIPMENT**

**Air Inlet System**
- 12V air inlet heater, sea water aftercooler, air cleaner/fumes disposal, turbocharger

**Charging System**
- 12V, 51 amp charging alternator

**Control System**
- mechanical governor, forward facing throttle control

**Cooling System**
- thermostats and housing, belt-driven centrifugal jacket water pump, gear-driven auxiliary sea water pump, expansion tank, marine gear oil cooler, engine mounted heat exchanger with removable copper-nickel tube bundle, auxiliary sea water lines

**Exhaust System**
- watercooled exhaust manifold and turbocharger, fumes disposal

**Flywheel and Flywheel Housing**
- SAE No. 3 flywheel (126 teeth) and SAE No. 3 flywheel housing, SAE standard rotation

**Fuel System**
- RH or LH service filter, fuel transfer pump

**Instrumentation**
- magnetic pickup tachometer drive, wiring harness includes junction box, mounting and hardware, 12V oil pressure and water temperature sender group (single station)

**Lube System**
- crankcase breather, gear-driven engine oil pump, RH or LH service oil filter, oil filler, oil level gauge, pan drain, lubricating oil

**Protection System**
- 12V energized-to-run solenoid shutoff, alarm contactor

**Starting System**
- 12V rear-facing electric starting motor, 12V junction box

**General**
- vibration damper and guard, Caterpillar yellow paint, lifting eyes

---

**SPECIFICATIONS**

I-6, 4-Stroke-Cycle-Diesel

- Emissions ...................................... IMO compliant
- Bore—mm (in) .................................. 110 (4.33)
- Stroke—mm (in) ............................... 127 (5.0)
- Displacement—L (cu in) ..................... 7.2 (442)
- Compression Ratio ........................... 15.5:1
- Rotation (from flywheel end)............ Counterclockwise
- Capacity for Liquids—L (U.S. gal)
  - Cooling System ............................ 28 (7.4)
  - Lube Oil System (refill) ................. 25 (6.6)
- Oil Change Interval — hrs .................. 250
- Caterpillar DEO 10W30 or 15W40
- Engine Weight, Net Dry (approx) — kg (lb) ............. 722 (1,592)

**Marine**

**Propulsion 3126**

287 bkW @ 2800 rpm
385 bhp @ 2800 rpm

**Caterpillar DEO 10W30 or 15W40**
PERFORMANCE CURVES

IMO Compliant

E Rating — DM4951-00

3126 MARINE PROPULSION – 287 bkW (385 bhp)

287 bkW

Performance Data

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<th>Engine Power bkW</th>
<th>BSFC g/kWh</th>
<th>Fuel Rate L/h</th>
<th>Boost Press kPa</th>
<th>Intake Air Flow m³/min</th>
<th>Exh Manif Temp °C</th>
<th>Exh Gas Flow m³/min</th>
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385 bhp

Performance Data

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Brake Mean Effective Pressure ........................................ 1699 kPa

Brake Mean Effective Pressure ........................................ 246 psi
**RATING DEFINITIONS AND CONDITIONS**

**E RATING** – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

**RATINGS** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50°C (122°F) and for sea water temperatures up to and including 42°C (108°F) at sea level.

**FUEL RATES** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven. For a “without pumps” condition, deduct approximately 0.5% for each pump not engine driven.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.
Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM4951-00 (8-00)
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Marine Engine

3126
224-287 bkW/300-385 bhp
2800 rpm

CATERPILLAR® ENGINE SPECIFICATIONS

In-Line 6, 4-Stroke-Cycle-Diesel
Emissions ....................... IMO compliant
Bore — mm (in) ................... 110 (4.33)
Stroke — mm (in) ................. 127 (5.0)
Displacement — L (cu in) ........... 7.2 (442)
Rotation (from flywheel end) . . Counterclockwise
Compression Ratio ................... 15.0:1
Capacity for Liquids — L (U.S. gal)
  Cooling System ..................... 28.0 (7.4)
  Lube Oil System (refill) .......... 25.0 (6.6)
Oil Change Interval .................. 250 hrs
Engine Weight, Net Dry
  (approx) — kg (lb) ............... 722 (1592)

STANDARD EQUIPMENT

Air intake
  aftercooler, air cleaner/fumes disposal (closed system), air inlet heater
Alternator
  belt driven, 12 volt, 51 ampere
Cooling
  transmission oil cooler, heat exchanger, auxiliary sea water pump, expansion tank, thermostat, jacket water pump
Exhaust
  watercooled manifold and turbocharger
Flywheel and housing
  SAE No. 3, rear-facing starter
Fuel
  filter, fuel transfer pump
Governor
  mechanical
Instrumentation
  magnetic pickup (for tachometer drive)

Lubricating
  oil filter, filler, dipstick, crankcase breather, oil pump
Service RH and LH
  service per top level PAs
Starting
  electric
Torsional vibration damper
Wiring harness
  junction box, mounting and hardware

DIMENSIONS

This Caterpillar Marine Engine can be operated with air inlet temperatures up to 50°C (122°F) measured at the air inlet, and fuel temperatures up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.

RATING DEFINITIONS AND CONDITIONS

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in Hg), 27°C (81°F), and 60% relative humidity.

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18 390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

LEHM7009-04
**3126 MUI MARINE ENGINE – 224-287 bkW**

**E RATING** – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

**Cubic Prop Demand Curve Data** (for displacement hulls only)

<table>
<thead>
<tr>
<th>Speed rpm</th>
<th>Power bkW</th>
<th>Torque N-m</th>
<th>Fuel Cons g/bkW-hr</th>
<th>Fuel Rate L/hr</th>
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<td>206</td>
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**TMI — DM4951-00**

**Max Power Curve Data**

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<td>1800</td>
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**E RATING** – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

**Cubic Prop Demand Curve Data** (for displacement hulls only)

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<th>Speed rpm</th>
<th>Power bkW</th>
<th>Torque N-m</th>
<th>Fuel Cons g/bkW-hr</th>
<th>Fuel Rate L/hr</th>
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**TMI — DM4952-00**

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**E RATING** – Planing hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing and pilot boats.

**Cubic Prop Demand Curve Data** (for displacement hulls only)

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**TMI — DM4953-00**

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Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication.