STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air cleaner
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Watercooled exhaust manifold and turbocharger
- Deep sump oil pan
- Oil filler, filter, and dipstick, RH or LH service
- MEUI fuel system
- Duplex fuel filters, RH or LH service
- Engine-mounted fuel cooler
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Electronic fuel/air ratio control
- Electronic diagnostics and fault logging
- Adjustable front support mounting system
- Customer wiring and service tool connector

SPECIFICATIONS

Vee-12, 4-Stroke-Cycle-Diesel

- U.S. EPA Tier 3/IMO II certified
- 32.1 L (1959 cu in) displacement
- 1800-2100 rpm rated engine speed
- 2100-2300 rpm rated engine speed
- 145 mm (5.7 in) bore x 162 mm (6.38 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
  - Cooling system: 154 L (40.8 gal) engine and expansion tank
  - Lube oil system: 146 L (38.5 gal)
- 500-hour oil change interval
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel housing with SAE No. 18 flywheel (136 teeth)
- Counterclockwise rotation from flywheel end

DIMENSIONS

ENGINE DIMENSIONS & WEIGHT

<table>
<thead>
<tr>
<th>Item</th>
<th>Right Side</th>
<th>Front</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (overall)</td>
<td>2284 mm</td>
<td>89.9 in</td>
</tr>
<tr>
<td>Width</td>
<td>1528 mm</td>
<td>60.2 in</td>
</tr>
<tr>
<td>Height</td>
<td>1584 mm</td>
<td>62.4 in</td>
</tr>
<tr>
<td>Weight, Net Dry (keel)</td>
<td>3155 kg</td>
<td>6956 lb</td>
</tr>
<tr>
<td>Weight, Net Dry (heat exchanger)</td>
<td>3245 kg</td>
<td>7155 lb</td>
</tr>
</tbody>
</table>

Note: Do not use these dimensions for installation design. See general dimension drawings for detail.
MARINE ENGINE PERFORMANCE

C32 ACERT™ MARINE PROPULSION ENGINE

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Maximum Power Prop Demand

**OPTIONAL ATTACHMENTS**

- Air inlet adapter
- Battery charger 10 amp
- Charging alternator 24V 105 amp
- Exhaust elbow, dry
- Exhaust flange, flexible fitting, muffler
- Water separator
- Fumes disposal (closed system)
- Duplex oil filters, RH or LH
- Manual sump pump
- Transmission oil cooler
- Starting motors — electric or air
- Dual starting motors (electric and air)
- Jacket water heaters
- Battery sets — 24V 950-1300 CCA
- MECP I control panel
- MECP III control panel with Cat alarm and protection system
- Fuel and oil spray shielding
- OEM wiring harness — 30, 50, 80 foot lengths
- Engine-to-engine wiring harness — 15, 30 foot lengths
- Heavy-duty front support
- Isolator mounts
- Power take-offs

**Table of Engine Performance**

<table>
<thead>
<tr>
<th>RPM</th>
<th>C Rating – DM8898-05</th>
<th>C Rating – DM9448-01</th>
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<tbody>
<tr>
<td></td>
<td>bhp</td>
<td>g/hr</td>
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<tr>
<td>2100</td>
<td>1299</td>
<td>67.9</td>
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<tr>
<td>1800</td>
<td>1299</td>
<td>67.3</td>
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<tr>
<td>1400</td>
<td>1043</td>
<td>51.1</td>
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<tr>
<td>1100</td>
<td>735</td>
<td>39.2</td>
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<tr>
<td>600</td>
<td>169</td>
<td>8.7</td>
</tr>
</tbody>
</table>

**Graphs**

- 1299 bhp (969 bkW) @ 1800-2100 rpm
- 1450 bhp (1081 bkW) @ 2100-2300 rpm