## General Engine Data

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>4 cycle, Inline, 6 cylinder</td>
</tr>
<tr>
<td>Bore &amp; Stroke</td>
<td>102 [4.02] x 119 [4.72]</td>
</tr>
<tr>
<td>Displacement</td>
<td>5.9 [359]</td>
</tr>
<tr>
<td>C.G. Distance from Front Face of Block (Engine Only)</td>
<td>338 [13.3]</td>
</tr>
<tr>
<td>C.G. Distance above Crankshaft Centerline (Engine Only)</td>
<td>168 [6.6]</td>
</tr>
</tbody>
</table>

## Engine Mounting

- Maximum Allowable Bending Moment at Rear Face of Block: 1356 [1000] N•m [lb-ft]
- Minimum/Maximum Static Installation Angle for In-line Drives (Front Up): 0 / 12 Degrees
- Minimum/Maximum Static Installation Angle for V drives (Front Up): 3 / 12 Degrees

Note: Front up refers to front of engines. In V-Drives it faces the back of the boat.

## Fuel System

- Maximum Allowable Restriction to Fuel Pump - With Clean Filter: 63.5 [2.5] mm Hg [in. Hg]
- Maximum Allowable Restriction to Fuel Pump - With Dirty Filter: 100 [4] mm Hg [in. Hg]
- Maximum Allowable Return Line Pressure - 6B/6BT: 259 [10.2] mm Hg [in. Hg]
- Maximum Allowable Return Line Pressure - 6BTA: 518 [20.4] mm Hg [in. Hg]

## Exhaust System

- Maximum Allowable Back Pressure: 75 [3] mm Hg [in. Hg]

## Air Induction System

- Maximum Allowable Intake Restriction
- Maximum Allowable Engine Intake \( \Delta T \)
  - Engine Intake Air-Ambient Air At Rated Condition: 17 [30] °C [°F]

## Lubrication System

- Oil Pressure
  - At Idle Speed-Minimum: 69 [10] kPa [PSI]
  - Normal Operating Range: 207 - 448 [30 - 65] kPa [PSI]
- Maximum Allowable Sump Oil Temperature (Sump): 120 [250] °C [°F]
- Oil Pan Capacity High/Low: 14.1 / 12.3 [15 / 13] litre [U.S. qts]
- Maximum Operational Angularity of Oil Pan (See Engine Mounting)
  - Front Down: 15 Degrees
  - Front Up: 45 Degrees
  - Side-to-Side: 35 Degrees

## Cooling System

- Maximum Static Pressure of Coolant (exclusive of Pressure Cap): 103 [15] kPa [PSI]
- Maximum Coolant Temperature: 96 [205] °C [°F]
- Minimum Allowable Coolant Expansion Space: 5 % of System Capacity
- Maximum Sea Water Pressure: 103 [15] kPa [PSI]

## CUMMINS ENGINE COMPANY, INC.
COLUMBUS, INDIANA

All Data is Subject to Change Without Notice - consult the following Cummins intranet site for most recent data:
## Electrical System

<table>
<thead>
<tr>
<th></th>
<th>12V</th>
<th>24V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimum Recommended Battery Capacity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6B/6BT/6BTA-M Cold Soak at -18°C (0°F)</td>
<td>950</td>
<td>475</td>
</tr>
<tr>
<td>Cold Soak at 0°C (32°F)</td>
<td>1188</td>
<td>595</td>
</tr>
<tr>
<td>Cold Soak at 0°C (32°F)</td>
<td>1100</td>
<td>550</td>
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<tr>
<td>Marine Cranking Amperes (MCA)</td>
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<tr>
<td>Cold Soak at 0°C (32°F)</td>
<td>1375</td>
<td>690</td>
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<tr>
<td>Reserve Capacity</td>
<td>160</td>
<td>160</td>
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<tr>
<td>Voltage Drop</td>
<td>0.2</td>
<td>0.4</td>
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<tr>
<td>Maximum Allowable Resistance of Starting Circuit</td>
<td>0.0012</td>
<td>0.002</td>
</tr>
<tr>
<td>Wiring Diagram Number</td>
<td>3920281</td>
<td></td>
</tr>
</tbody>
</table>

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