C18 ACERT™
MARINE AUXILIARY ENGINE

SPECIFICATIONS
I-6, 4-Stroke-Cycle-Diesel
- EPA Tier 3/IMO II compliant
- 18.0 L (1098 cu in) displacement
- 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
  - Cooling system: 45 L (12 gal)
  - Lube oil system: 49 L (13 gal) shallow pan
  - Lube oil system: 68 L (18 gal) deep pan
- 250-hour oil change interval shallow pan
- 500-hour oil change interval deep pan
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel and flywheel housing
  - 136 flywheel teeth (18 inch)
- Counterclockwise rotation from flywheel end

STANDARD ENGINE EQUIPMENT
- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air filter
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Watercooled exhaust manifold and turbocharger
- Center sump oil pan, deep or shallow
- Oil filler, filter, and dipstick, front service
- MEUI fuel system
- Fuel filter, front service
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Electronic fuel/air ratio control
- Electronic diagnostics and fault logging
- Front support adjustable mounting system
- Front damper guard
- Customer wiring and service tool connector

DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>1854 mm</td>
<td>1134 mm</td>
<td>1300 mm</td>
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</table>

ENGINE DIMENSIONS & WEIGHT

<table>
<thead>
<tr>
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<th>Length</th>
<th>Width</th>
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<td>(1)</td>
<td>1854 mm</td>
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<td>(2)</td>
<td>1854 mm</td>
<td>1134 mm</td>
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<tr>
<td>(3)</td>
<td>1854 mm</td>
<td>1134 mm</td>
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Weight, Net Dry (approx)

<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>(1)</td>
<td>1950 kg</td>
<td>4,299 lb</td>
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Note: Do not use these dimensions for installation design. See general dimension drawings for detail.
*Weight includes electric starting motor and charging alternator.
### Marine Engine Performance

<table>
<thead>
<tr>
<th>% Load</th>
<th>bhp</th>
<th>g/hr</th>
<th>bkW</th>
<th>g/bkW-hr</th>
<th>bhp</th>
<th>g/hr</th>
<th>bkW</th>
<th>g/bkW-hr</th>
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<tbody>
<tr>
<td>100</td>
<td>624</td>
<td>32.2</td>
<td>465</td>
<td>220</td>
<td>803</td>
<td>40.2</td>
<td>599</td>
<td>212</td>
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<tr>
<td>75</td>
<td>468</td>
<td>24.5</td>
<td>349</td>
<td>223</td>
<td>603</td>
<td>30.3</td>
<td>449</td>
<td>214</td>
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<tr>
<td>50</td>
<td>312</td>
<td>17.5</td>
<td>233</td>
<td>239</td>
<td>402</td>
<td>22.0</td>
<td>300</td>
<td>234</td>
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<td>25</td>
<td>156</td>
<td>10.3</td>
<td>116</td>
<td>282</td>
<td>201</td>
<td>12.3</td>
<td>150</td>
<td>261</td>
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### Optional Equipment

- Air inlet adapter
- Auxiliary expansion tank flange kit
- Battery charger 10 amp
- Charging alternator 24V 105 amp
- Exhaust elbows, dry or watercooled
- Exhaust flange, flexible fitting, muffler
- Duplex fuel filter – front service
- Fuel cooler, flexible fuel lines
- Primary fuel/water separator
- Duplex oil filter – front service
- Manual sump pump

- Starting motors – electric or air
- Jacket water heaters
- Battery sets – 24V 950-1300 CCA
- MECP I control panel
- MECP III control panel with Cat® alarm and protection system
- OEM wiring harness – 30, 50, 80 foot lengths
- Front supports and rear supports
- Power take-offs
- Fumes disposal (closed system)