

# C18 ACERT™

## MARINE PROPULSION ENGINE

1015 mhp (1001 bhp) 2300 rpm  
1150 mhp (1136 bhp) 2300 rpm



Image shown may not reflect actual engine

### SPECIFICATIONS

#### I-6, 4-Stroke-Cycle-Diesel

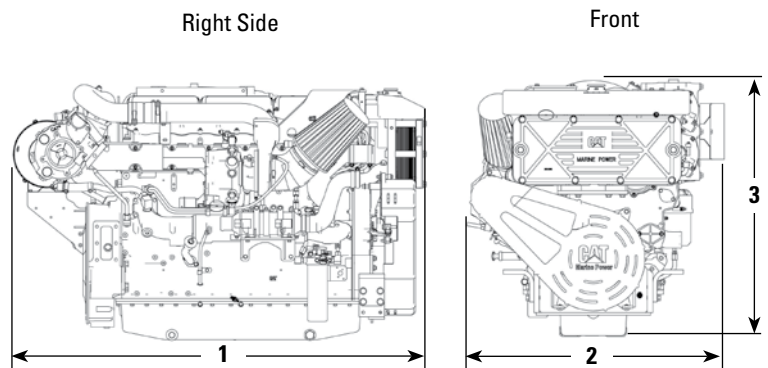
- EPA Tier 3 Recreational/IMO II compliant
- 18.0 L (1098 cu in) displacement
- 2300 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger cooled
- Refill capacity
  - Cooling system: 45 L (12 gal)
  - Lube oil system: 49 L (13 gal)
- 250-hour oil change interval
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 1 flywheel housing with SAE No. 14 flywheel (113 teeth)
- Counterclockwise rotation from flywheel end



### STANDARD ENGINE EQUIPMENT

- Corrosion-resistant sea water aftercooler
- Air cleaner/fumes disposal (closed system)
- Crankcase breather
- Titanium plate heat exchanger with integral fuel cooler
- Coolant recovery system
- Sea water pump and jacket water pump
- Front- and rear-down aftercooler condensate drains
- Watercooled exhaust manifold and turbochargers
- Round flanged exhaust outlet
- Engine oil cooler and oil filler
- Center sump oil pan
- Oil filter and dipstick, RH or LH service
- MEUI fuel system
- Fuel filter RH or LH service
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Electronic fuel/air ratio control
- Front support adjustable mounting system
- SAE A hydraulic pump drive
- Two-groove crankshaft pulley
- Front damper guard
- Customer wiring and service tool connector

### DIMENSIONS



#### ENGINE DIMENSIONS & WEIGHT

|                                 |         |          |
|---------------------------------|---------|----------|
| <b>(1) Length</b>               | 1931 mm | 76.0 in  |
| <b>(2) Width</b>                | 1204 mm | 47.4 in  |
| <b>(3) Height</b>               | 1198 mm | 47.2 in  |
| <b>Weight, Net Dry (approx)</b> | 1814 kg | 4,000 lb |

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

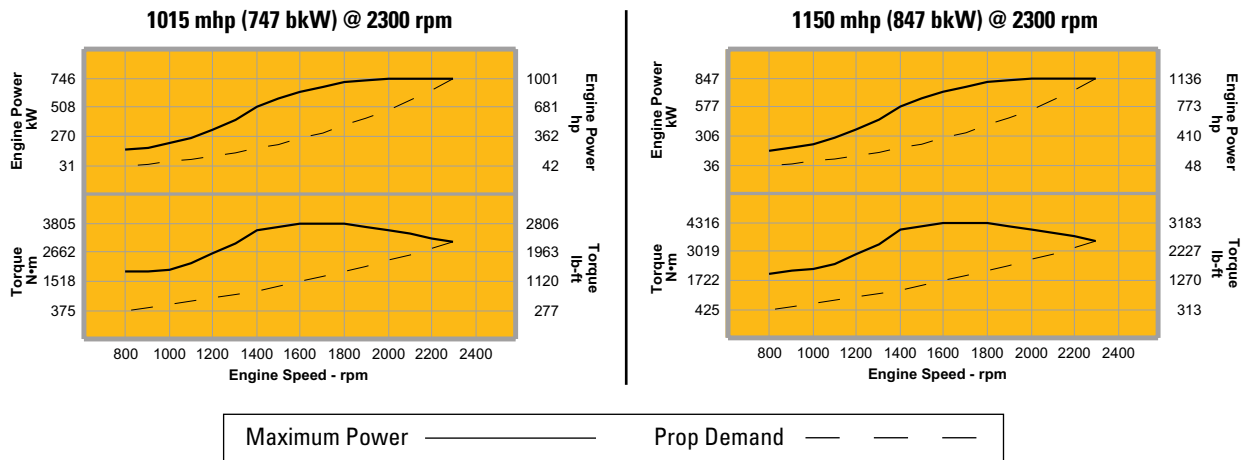
## MARINE ENGINE PERFORMANCE

### Max Power

| E Rating – EM0261 |      |      |     |          | E Rating – EM0260 |      |     |          |
|-------------------|------|------|-----|----------|-------------------|------|-----|----------|
| rpm               | bhp  | g/hr | bkW | g/bkW-hr | bhp               | g/hr | bkW | g/bkW-hr |
| 2300              | 1001 | 53.8 | 747 | 228.9    | 1136              | 58.6 | 847 | 219.8    |
| 1900              | 973  | 46.6 | 725 | 203.8    | 1115              | 54.9 | 831 | 210.0    |
| 1500              | 775  | 36.1 | 578 | 198.3    | 874               | 41.4 | 651 | 201.9    |
| 1100              | 341  | 16.7 | 255 | 209.0    | 385               | 19.0 | 287 | 209.8    |
| 800               | 218  | 10.9 | 162 | 212.5    | 227               | 11.6 | 169 | 218.0    |

### Prop Demand

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|-------------------|------|------|-----|----------|-------------------|------|-----|----------|
| rpm               | bhp  | g/hr | bkW | g/bkW-hr | bhp               | g/hr | bkW | g/bkW-hr |
| 2300              | 1001 | 53.8 | 747 | 228.9    | 1136              | 58.6 | 847 | 219.8    |
| 1900              | 564  | 29.1 | 421 | 219.8    | 640               | 33.1 | 478 | 220.2    |
| 1500              | 278  | 14.5 | 207 | 222.9    | 315               | 16.2 | 235 | 218.4    |
| 1100              | 110  | 5.8  | 82  | 223.5    | 124               | 6.4  | 93  | 221.0    |
| 800               | 42   | 2.4  | 31  | 242.2    | 48                | 2.7  | 36  | 241.7    |



### OPTIONAL EQUIPMENT

- Sea water pump – vertical inlet
- Battery charger 10 amp
- Charging alternator 24V 105 amp
- Primary fuel/water separator
- Primary fuel filter
- Fuel cooler, flexible fuel lines
- Transmission oil cooler
- Electric starting motor – 24V LH service
- Battery sets – 24V 950-1300 CCA
- MECP I control panel
- OEM wiring harness – 30,50,80 foot lengths
- Engine-to-engine wiring harness – 15, 30 foot lengths
- Transmission sensors – pressure, temperature
- Five-groove pulley stack (8-inch diameter)

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