

# C18 ACERT™

## MARINE PROPULSION ENGINE

1015 mhp	(1001 bhp)	747 kW
1150 mhp	(1136 bhp)	847 kW



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 and flywheel housing, 113 flywheel teeth (18 inch)
- Counterclockwise rotation from flywheel end



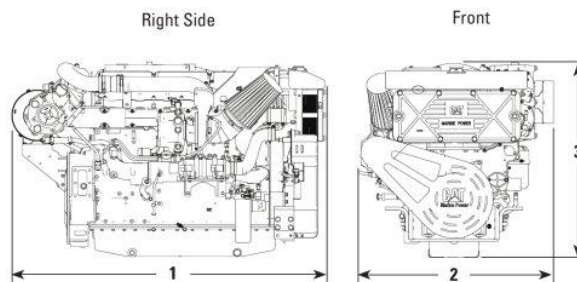
## PRELIMINARY



### 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.



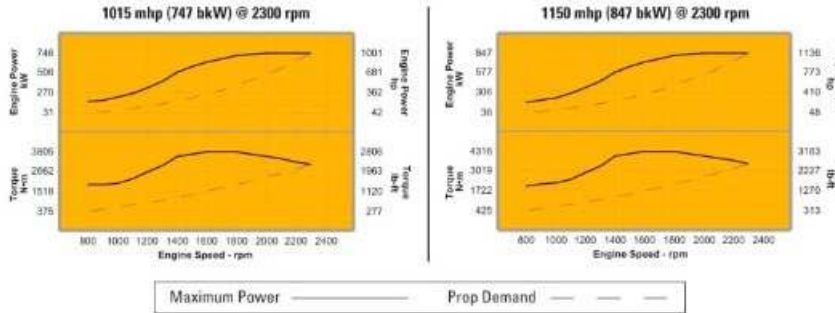
**MARINE ENGINE PERFORMANCE — PRELIMINARY**

**Max Power**

rpm	E Rating – EM0261				E Rating – EM0260			
	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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	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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