

# C32 ACERT™

## MARINE PROPULSION ENGINE

1450 bhp 1081 bkW WOSR 2100-2300 rpm

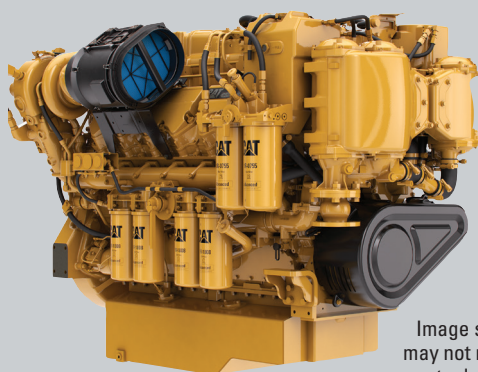


Image shown  
may not reflect  
actual engine



### STANDARD ENGINE EQUIPMENT

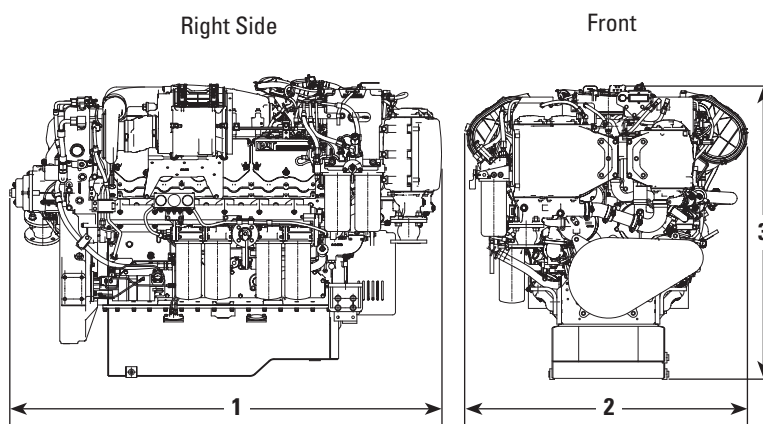
- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air cleaner
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Watercooled exhaust manifold and turbocharger
- Deep sump oil pan
- Oil filler, filter, and dipstick, RH or LH service
- MEUI fuel system
- Duplex fuel filters, 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

- EPA Tier 3 / IMO II compliant
- 32.1 L (1959 cu in) displacement
- 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

(1) Length (overall)	2284 mm	89.9 in
(2) Width	1528 mm	60.2 in
(3) Height	1584 mm	62.4 in
Weight, Net Dry (keel)	3155 kg	6956 lb
Weight, Net Dry (heat exchanger)	3245 kg	7155 lb

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

## MARINE ENGINE PERFORMANCE

### Max Power

C Rating – DM9448-00

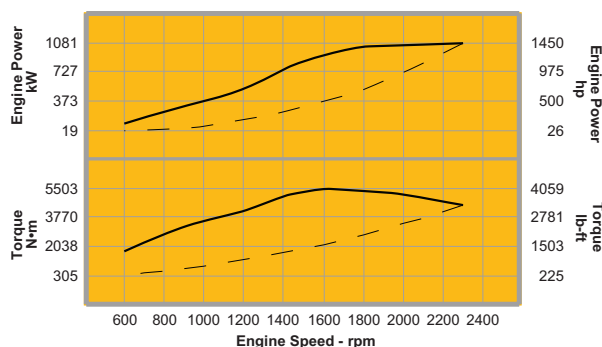
rpm	bhp	g/hr	bkW	g/bkW-hr
2300	1450	75.9	1081	223.1
2100	1446	74.8	1078	220.4
1600	1238	60.3	923	207.4
1200	681	38.4	508	240.2
600	153	8.0	114	221.8

### Prop Demand

C Rating – DM9448-00

rpm	bhp	g/hr	bkW	g/bkW-hr
2300	1450	75.9	1081	223.1
2100	1103	60.2	823	232.2
1600	488	27.6	364	240.6
1200	206	10.8	154	223.7
600	26	1.9	19	308.9

### 1450 bhp (1081 bkW) @ 2100-2300 rpm



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

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