

# C32 ACERT™

## MARINE PROPULSION ENGINE

1200 bhp    895 bkW    WOSR 1800-2000 rpm  
1450 bhp    1081 bkW    WOSR 2000-2300 rpm

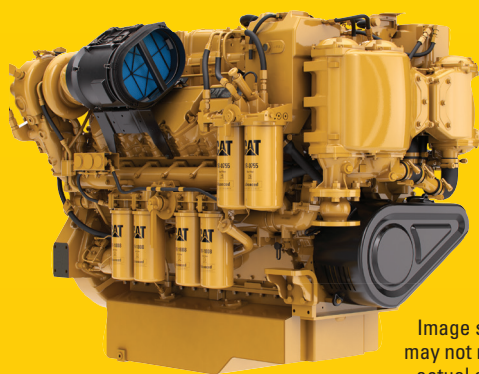


Image shown  
may not reflect  
actual engine

## SPECIFICATIONS

### Vee-12, 4-Stroke-Cycle-Diesel

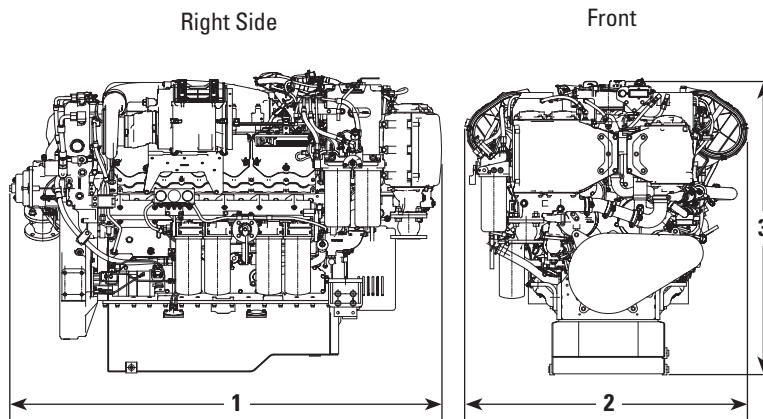
- IMO II compliant
- 32.1 L (1959 cu in) displacement
- 1800-2000 rpm rated engine speed
- 2000-2300 rpm rated engine speed
- 145 mm (5.7 in) bore x 162 mm (6.38 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
  - Cooling system: 154 L (40.8 gal) engine and expansion tank
  - Lube oil system: 146 L (38.5 gal)
- 750-hour oil change interval (B rating)
- 500-hour oil change interval (C rating)
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel and flywheel housing, 136 flywheel teeth
- Counterclockwise rotation from flywheel end



## 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
- Round flanged exhaust outlet
- 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

## DIMENSIONS



### ENGINE DIMENSIONS & WEIGHT

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

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

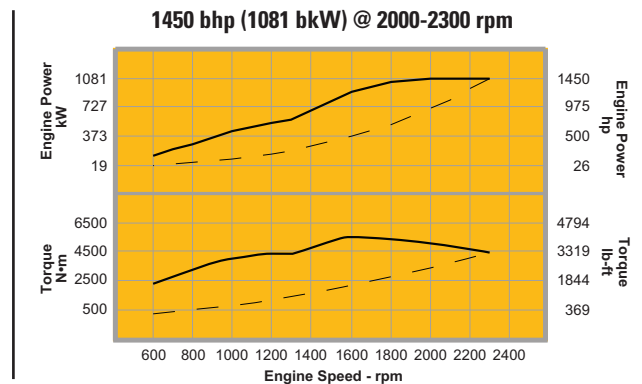
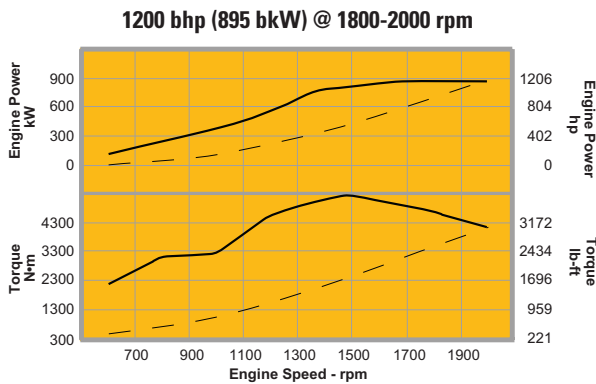
## MARINE ENGINE PERFORMANCE

### Max Power

B Rating – EM0413-03					C Rating – EM0454-02				
rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr
2000	1200	59.3	895	210.5	2300	1450	77.2	1081	226.8
1800	1200	58.0	895	205.9	2100	1450	76.3	1081	224.2
1400	1031	49.6	769	205.0	1600	1236	61.3	922	211.1
1100	605	31.8	451	223.7	1200	723	37.6	539	221.5
600	184	9.5	137	220.3	600	188	9.7	140	220.5

### Prop Demand

B Rating – EM0413-03					C Rating – EM0454-02				
rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr
2000	1200	59.3	895	210.5	2300	1450	77.2	1081	226.8
1800	875	42.8	652	208.2	2100	1103	56.1	823	216.3
1400	412	21.7	307	224.2	1600	488	24.8	364	216.3
1100	200	10.6	149	226.6	1200	206	10.8	154	223.8
600	32	2.3	24	297.6	600	26	1.9	19	321.8



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

CAT, CATERPILLAR, their respective logos, ACERT, "Caterpillar Yellow", the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.