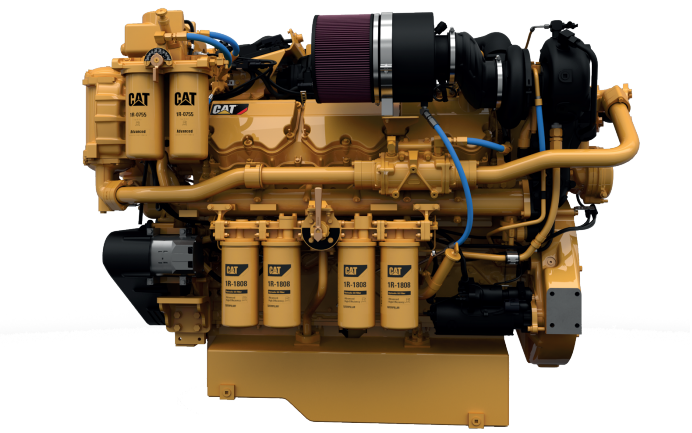
C32

MARINE PROPULSION ENGINE (IMO II)

970 bkW (1300 bhp) @ 2100 rpm



C32 Marine Propulsion Engine
IMO II

ENGINE SPECIFICATIONS

Configuration
Vee 12, 4-stroke-cycle diesel

Emissions
IMO II
emissions certified

Rated Engine Speed
2100 rpm

Bore x Stroke
145 mm x 162 mm
5.71 in x 6.38 in

Displacement
32.1 Liter
1959 cu in

Aspiration
Turbocharged-aftercooled
aspiration

Governor
Electronic (A4 ECM)

Refill Capacity
Lube Oil System w/Oil filter change:
146 L (38.5 gal)

Oil Change Interval
750 hrs

Cooling
Heat exchanger or keel cooled

Flywheel Housing
SAE No. 0 with SAE No. 18
flywheel (136 teeth)

Rotation
Counterclockwise from flywheel end

FEATURES AND BENEFITS

- Separate-circuit aftercooling – no sea water in aftercooler
- Reliable electronic controlled unit injector fuel system
- Enhanced control of fuel injection optimized through crank timing and the A4 ECM technology
- Advanced combustion technology to optimize fuel consumption and meet emissions without aftertreatment
- Industry leading power reserve
- Wide range of available Marine Society certifications
- Industry-leading warranty coverage for factory packaged components
- Global dealer network for service in any location

OPTIONAL ATTACHMENTS

- Starting motors – air, electric or dual
- Charging alternator
- Duplex oil filters
- MECP I control panel
- MECP II or MECP III control panel with Cat® Alarm and Protection System
- Front drives including stub shaft and pump drive
- Rear SAE A or B pump drives
- Closed crankcase fumes disposal
- Primary fuel filter with water separator, fuel cooler

STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooled (SCAC)
- Heat exchanger or Keel Cooling
- Watercooled exhaust manifold and turbocharger
- Deep or shallow sump oil pan
- Right or left hand service sides
- Oil fill, simplex filter and dipstick
- Duplex fuel filters with hybrid fuel lines
- Hard seawater lines – no flexible hoses
- Fuel transfer and priming pump
- Adjustable front support mounting system
- Customer wiring and service tool connector
- Flanges for cooling connections, ANSI or DIN
- 24V control system

B RATING (HEAVY DUTY) DEFINITION

Typical applications: For vessels operating at rated load and rated speed up to 80% of the time with some load cycling (40% to 80% load factor). Typical operation ranges from 3000 to 5000 hours per year

BUILT FOR IT.™

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TECHNICAL DATA

C32 Marine Propulsion Engine (IMO II)

PROP DEMAND FUEL CONSUMPTION

	Brake Specific Fuel Consumption			
rpm	bhp	lb/bhp-hr	bkW	g/bkW-hr
2100	1300	0.341	970	207.1
2000	1123	0.344	837	209.5
1800	819	0.346	611	210.2
1600	575	0.349	429	212.4
1400	385	0.348	287	211.6
1200	243	0.350	181	213.2
1000	140	0.363	28	220.2
800	72	0.401	16	241.0

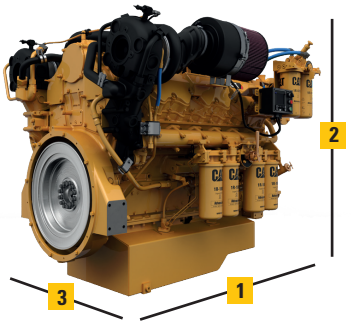
- ISO 3046/1 fluid consumption tolerance of -0/+5%

Note:
Please reference TMI Web for most current information (Cat dealers only)
Consult your local Cat dealer to create a customized engine TCO (Total Cost of Ownership) analysis specific to your vessel.

DIMENSIONS & WEIGHT

	Length (1)	Height (2)	Width (3)	Engine dry weight
min.	83.9 in/2130 mm	59.3 in/1507 mm	57.1 in/1451 mm	6950 lb/3152 kg
max.	89.8 in/2280 mm	63.5 in/1613 mm	57.3 in/1455 mm	7160 lb/3248 kg

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



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To find your nearest dealer, please visit: www.cat.com/marine