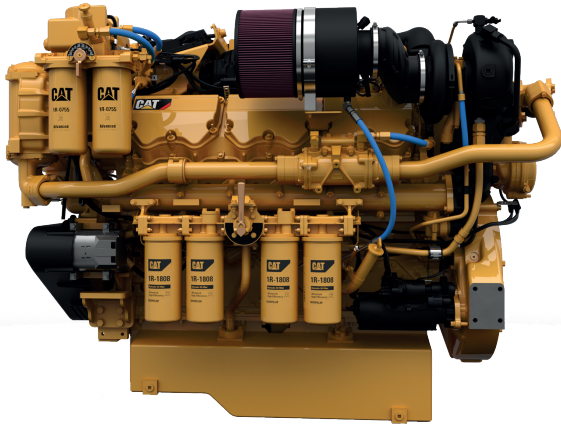


C32

MARINE PROPULSION ENGINE (IMO II)

970 bkW (1300 bhp) @ 1800 rpm



C32 Marine Propulsion Engine
IMO II

ENGINE SPECIFICATIONS

Configuration

Vee 12, 4-stroke-cycle diesel

Emissions

IMO II
emissions certified

Rated Engine Speed

1800 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

500 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

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

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

C RATING (MAXIMUM CONTINUOUS) DEFINITION

Typical applications: For vessels operating at rated load and rated speed up to 50% of the time with cyclical load and speed (20% to 80% load factor). Typical operation ranges from 2000 to 4000 hours per year

BUILT FOR IT.™



TECHNICAL DATA

C32 Marine Propulsion Engine (IMO II)

PROP DEMAND FUEL CONSUMPTION

rpm	Brake Specific Fuel Consumption			
	bhp	lb/bhp-hr	bkW	g/bkW-hr
1800	1300	0.330	970	200.6
1600	913	0.345	681	209.5
1400	612	0.343	456	208.8
1200	385	0.341	287	207.6
1000	223	0.348	166	212.7
800	114	0.368	85	223.4

- 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.

