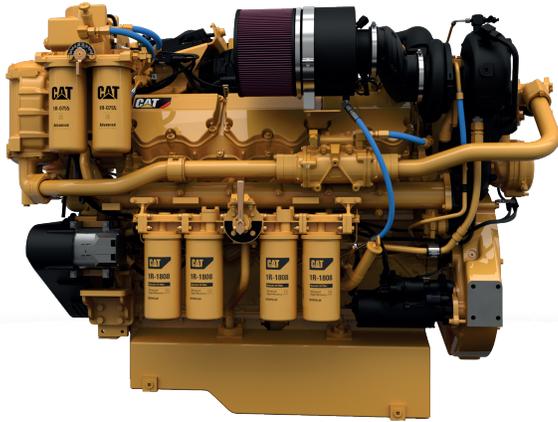


C32

MARINE PROPULSION ENGINE (IMO II)

969 bkW (1299 bhp) @ 1800-2100 rpm



C32 Marine Propulsion Engine
IMO II

ENGINE SPECIFICATIONS

Configuration

Vee 12, 4-stroke-cycle diesel

Emissions

IMO II
emissions certified

Rated Engine Speed

1800 - 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

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
2100	1299	0.359	969	218.4
1900	962	0.379	718	230.5
1700	689	0.357	514	216.8
1500	474	0.354	353	214.9
1300	308	0.363	230	220.4
1100	187	0.375	139	227.9
900	102	0.384	76	234.0

- 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.

