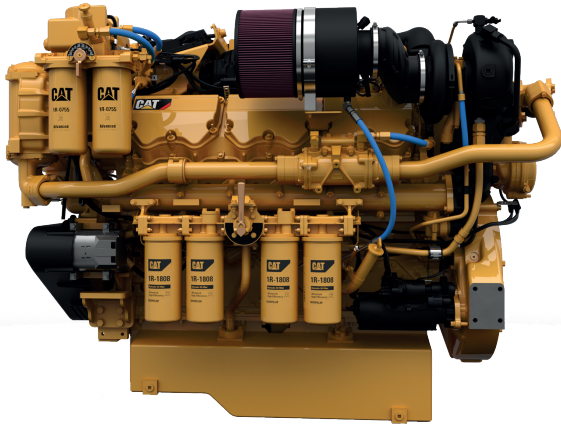


C32

MARINE PROPULSION ENGINE (IMO II)

1081 bkW (1450 bhp) @ 2300 rpm



C32 Marine Propulsion Engine
IMO II

ENGINE SPECIFICATIONS

Configuration

Vee 12, 4-stroke-cycle diesel

Emissions

IMO II
emissions certified

Rated Engine Speed

2000 - 2300 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
2300	1450	0.366	1081	222.4
2100	1103	0.349	823	212.2
2000	953	0.342	711	208.3
1800	695	0.343	518	208.9
1600	488	0.349	364	212.1
1300	262	0.357	195	217.3
1000	119	0.381	89	230.8
800	61	0.428	46	256.8

- 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.

