

Cat® C32B

Marine Propulsion Engines Commercial Applications

The Cat® C32B engine is a powerful and versatile solution for commercial and high performance applications, offering a rated power of 1700 bhp. It meets the following emissions standard, IMO II. The Cat C32B engine has an optimized design to enhance power density, deliver more power without significantly increasing size or weight. This combination of high-power output, emissions compliance, and cost-effective durability makes the Cat C32B engine an excellent choice.

FEATURES AND BENEFITS:

ENGINE DESIGN

- Optimized engine design to enable increased power density
- Updated engine electronic control module (ADEM VI)
- Updated aftercooler design
- Left Hand (LH) and Right Hand (RH) service side options available
- Marine Classification Society (MCS) certifications available

POWER DENSITY

- Updated engine design allows increased cylinder pressure and power output.

INTEGRATION

- New airless aftertreatment design simplifies vessel installation and reduces vessel air compressor cost and maintenance.

DURABILITY

- Improved core engine component design delivers a more robust engine when compared to previous models.

Specifications

Configuration	V 12, 4-Stroke Cycle Diesel	Bore × Stroke	145 mm × 162 mm/5.7 in × 6.38 in
Emissions	IMO II	Refill Capacity Lube Oil System with Oil Filter Change	146 L (38.5 gal) – Deep Pan
Rated Engine Speed	2300 rpm	Oil Change Interval	750 hours – Deep Pan
Displacement	32.1 L (1959 in³)	Rotation (From Flywheel End)	Counterclockwise
Aspiration	Twin Turbocharged – Aftercooled	Cooling	Heat Exchanger or Keel Cooled
Governor	Electronic (ADEM VI)		
Flywheel Housing	SAE No. 0		

Cat® C32B Marine Propulsion Engines Commercial Applications

Ratings and Fuel Consumption

Commercial Propulsion Engines

Rating	mhp	bhp	bkW	rpm	U.S g/h	g/bkW-h	IMO
C	1724	1700	1268	2300	87.8	223	II

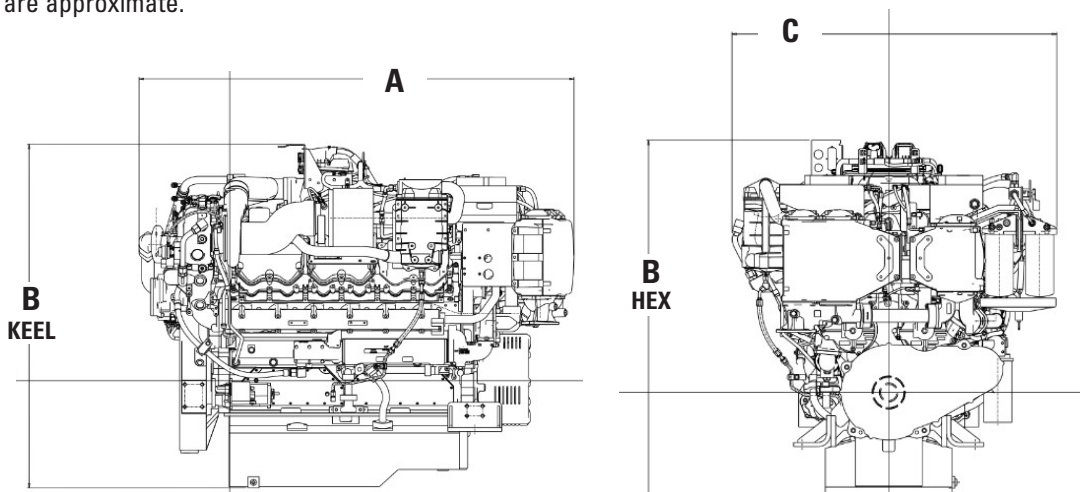
Rating Definition Generator Sets and Propulsion Engines

C Rating (Maximum Continuous)

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.

Dimensions

All dimensions are approximate.



KEEL			HEX		
A	Length	2131 mm 84 in	A	Length	2295 mm 90 in
B	Height	1760 mm 70 in	B	Height	1760 mm 70 in
C	Width	1550 mm 61 in	C	Width	1550 mm 61 in
	Dry Weight	3400 kg 7495 lb		Dry Weight	3650 kg 8050 lb

Standard and Optional Equipment

Standard Equipment

- ADEM VI electronic control module
- Air Cleaner/closed crankcase ventilation
- Gear-driven Jacket Water (JW) and Sea Water (SW) pump (if equipped)
- Water-cooled exhaust manifolds and turbochargers
- MEUI-C fuel system
- 500 hour oil pan (Deep Sump)

Optional Equipment

- Duplex Lube Oil and fuel filters
- Shallow Sump oil pan
- Marine alarm and protection
- 120 V or 240 V Jacket water heater
- SAE A or B Power Take Off (PTO) (RH rear)
- 75 A, 105 A or 175 A Alternator

Cat® C32B Marine Propulsion Engines Commercial Applications

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2025 Caterpillar
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, VisionLink™, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

LEHM23271-03 (12-2025)
Replaces LEHM23271-02
(Global)

