

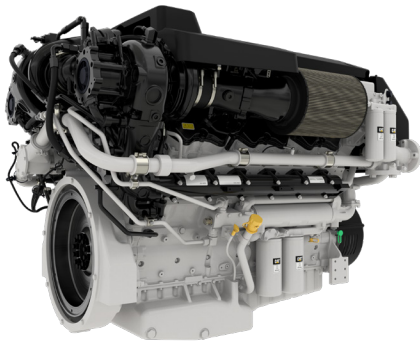


Image shown may not reflect actual configuration

Cat® C32B High Performance Sequential Turbo Marine Propulsion Engine

Yachting & Sportfishing Applications

The Cat® high performance sequential turbo engine is a powerful and versatile solution for yachting and sportfishing applications, offering a rated power range of 1800 to 2400 bhp. It meets stringent emissions standards, including IMO II, IMO II / III, U.S. EPA Tier 3 Recreational, EU RCD, and China II. The Cat C32B Sequential turbo engine has an optimized design* to enhance power density, deliver more power without significantly increasing size or weight. Additionally, its improved durability reduces maintenance needs and extends operational life, thereby lowering the total cost of ownership. This combination of high-power output, strict emissions compliance, and cost-effective durability makes the Cat sequential turbo C32B engine an excellent choice.

*Compared to previous C32B models

Features and Benefits:

ENGINE DESIGN

- Updated engine design to enable higher power density
- Noise reduction at low engine speeds (MEUI-C Fuel System)
- Updated engine electronic control module (ADEM VI)
- MCS certifications available
- Updated seawater aftercooler and HEX design
- Optimized sequential air system maximizes performance and torque range
- LH and RH service side options available
- No zinc anodes required (use vessel bonding system)

POWER DENSITY

- Strong low-end torque and 25% more peak power (compared to the previous C32B model) is provided by the sequential turbocharging air system. The engine provides high power density with minimal weight impact ideal for luxury new builds and repowers.

RELIABLE PERFORMANCE

- Low-noise, low-vibration performance at slow speeds enhances onboard comfort. Smooth, responsive handling supports cruising, trolling, and high-speed runs, reducing fatigue for owners, guests, and crew on extended journeys.

LOW NOISE AND EFFICIENT

- Globally compliant (IMO II / III, EPA Tier 3, RCD, China II) with low-maintenance, airless aftertreatment for reduced ownership costs. Backed by the Cat dealer network, ensuring reliable support wherever you cruise.

Specifications

Configuration	V 12, 4 - Stroke Cycle Diesel	Flywheel Housing	SAE No. 0
Emissions	IMO II, U.S. EPA Tier 3 (recreational), RCD, China II	Bore × Stroke	145 mm × 162 mm / 5.7 in × 6.38 in
Rated Engine Speed	2300 rpm	Refill Capacity	Lube Oil System w/ oil filter change: 76 L (20 gal)
Displacement	32.1 L (1959 in ³)	Oil Change Interval	250 hours
Aspiration	Sequential Turbocharged – Aftercooled	Rotation (From Flywheel End)	Counterclockwise
Governor	Electronic (ADEM VI)	Cooling	SWAC (Seawater Aftercooler)



C32B High Performance Sequential Turbo Marine Engine

Ratings and Fuel Consumption

IMO II / III / U.S EPA Tier 3 (Recreational)

Rating	mhp	bhp	bkW	rpm	U.S. g/h	g/bkWh	IMO	U.S. EPA	EU	China
D	1825	1800	1342	2300	93.5	224.5	II / III	T3R	RCD	C-II
D	2025	2000	1491	2300	104.0	223.5	II / III	T3R	RCD	C-II
E	2230	2200	1641	2300	114.0	223.1	II / III	T3R	RCD	C-II
E	2433	2400	1790	2300	123.0	220.5	II / III	T3R	RCD	C-II

IMO II only*

Rating	mhp	bhp	bkW	rpm	U.S. g/h	g/bkWh	IMO	U.S. EPA	EU	China
D	1825	1800	1342	2300	90.0	216.0	II	-	-	-
D	2025	2000	1491	2300	100.0	216.1	II	-	-	-
E	2230	2200	1641	2300	114.0	223.1	II	-	-	-
E	2433	2400	1790	2300	123.0	220.5	II	-	-	-

ISO 3046/1 (+5% BSFC Tolerance)

* Separate "IMO II only" Ratings Available – Up to 10% Lower Fuel Consumption at Part Load / Cruising Speeds vs. U.S. EPA Tier 3

Regarding Government use, D-tier Ratings are applicable. For E-tier Ratings, please contact your Cat Dealer for more detail.

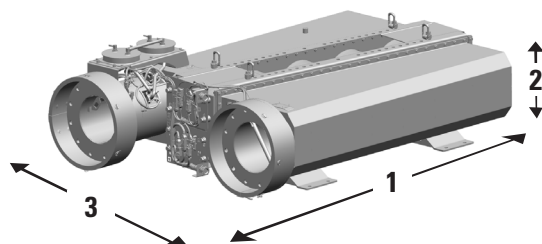
Clean Emissions Module (CEM)

The C32B engine requires Selective Catalyst Reduction (SCR) technology. The easy-to-install Cat® SCR System is an exhaust gas aftertreatment solution certified to U.S. EPA Tier 4/IMO III emission standards.

- Airless SCR technology
- IMO II / IMO III switchable calibrations available
- Maintains engine efficiency, durability and reliability
- Easy to install with minimum impact to vessel design
- Compact package from one single source
- Available for new builds and retrofits
- Wall mounted dosing cabinet design for easier service and installation
- For detailed dimensions and installation requirements, please refer to the latest revision of the application and installation (A&I) guide

Clean Emissions Module (CEM)

Available in U-flow configurations (shown) and Z-flow configurations.



Dosing Cabinet

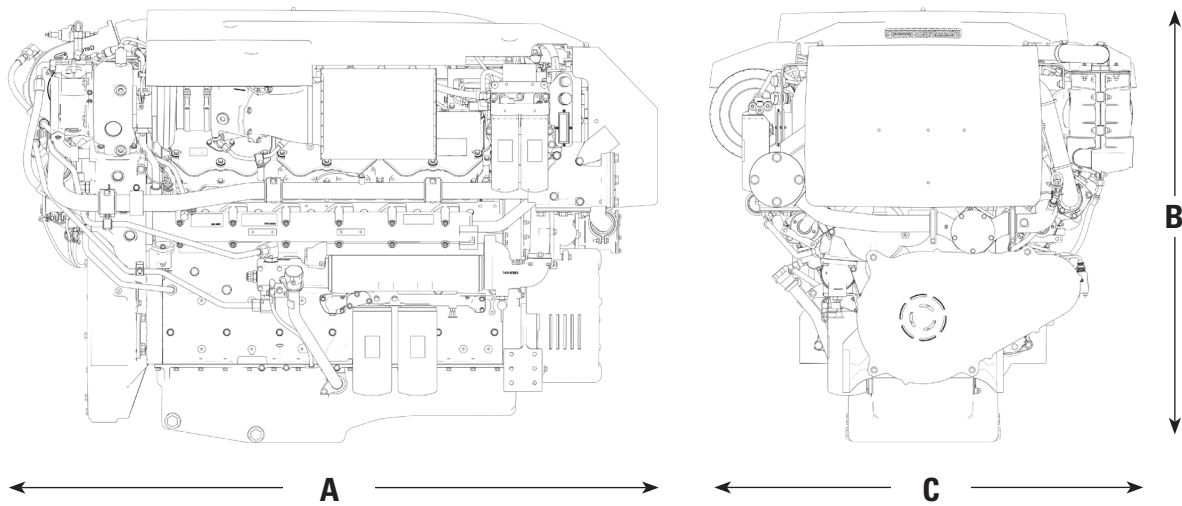


Model	Z-Flow		U-Flow		Dosing Cabinet	
1 Length	2508 mm	98.7 in	2336 mm	92 in	794 mm	31.3 in
2 Height	711 mm	28 in	711 mm	28 in	1453 mm	57.2 in
3 Width	1606 mm	63.2 in	1605 mm	63.2 in	344 mm	13.5 in
Weight	648 kg	1428.6 lb	647 kg	1426.4 lb	145 kg	319.7 lb

C32B High Performance Sequential Turbo Marine Engine

Dimensions

All dimensions are approximate.



A Length	2231 mm	87.8 in	C Width	1474 mm	58.0 in
B Height	1478 mm	58.1 in	Dry Weight	3509 kg	7736 lb

Standard and Optional Equipment

Standard Equipment

- ADEM VI electronic control module
- Air Cleaner / Closed Crankcase Ventilation
- Front and rear seawater pumps
- Seawater aftercooler
- Titanium plate heat exchanger
- Gear-driven Jacket Water (JW) and Sea Water (SW) pumps
- Water-cooled exhaust manifolds and turbochargers
- MEUI-C fuel system
- 250-hour oil pan (shallow sump)
- Right Hand (RH) or Left Hand (LH) service side options

Optional Equipment

- 120 V or 240 V jacket water heater
- SAE A or B Power Take (PTO) (RH rear)
- 75 A, 105 A, or 175 A alternator
- Heat shielding
- Cosmetic engine cover
- Electric fuel priming pump
- Duplex lube oil and fuel filters
- Deep Sump oil pan
- Marine alarm & protection

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

© 2026 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.

LEHM23905-00 (8-2026)
(Global)

