

Cat® C32B HP Twin Turbo

Marine Propulsion Engine

Yachting & Sportfishing Applications

The Cat® C32B High Performance (HP) twin turbo engine is a powerful and versatile solution for commercial and high performance applications, offering a rated power range of 2000 bhp. It meets stringent emissions standards, including Tier 3 Recreational, EU RCD, and China Stage II. The Cat C32B 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 C32B engine an excellent choice.

* Compared to previous C32 engines

Features and Benefits:

ENGINE DESIGN

- Electronically governed and controlled (ADEM VI ECM)
- Noise reduction at low engine speeds (MEUI-C Fuel System)
- Improved acceleration as compared to previous models
- Gear-driven jacket water pump and seawater pump for enhanced reliability
- MCS certifications available
- Titanium plate heat exchanger
- LH and RH service side options available

POWER DENSITY

- Parallel turbocharging delivers smooth, responsive acceleration and strong low-end torque for a refined on-water experience. 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 MAINTENANCE AND EFFICIENT

- Globally compliant (IMO II / III, EPA Tier 3, RCD, China II) with low-maintenance, airless aftertreatment for reduced ownership costs compared to previous C32 engines. Backed by the Cat dealer network, ensuring reliable support wherever you cruise.

Specifications

Configuration	V 12, 4 - Stroke Cycle Diesel	Flywheel Housing	N/A
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: 85.2 L (22.5 gal)
Displacement	32.1 L (1959 in ³)	Oil Change Interval	250 hours
Aspiration	Twin Turbocharged – Aftercooled	Rotation (From Flywheel End)	Counterclockwise
Governor	Electronic (ADEM VI)	Cooling	SWAC (Seawater Aftercooler)



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Ratings and Fuel Consumption

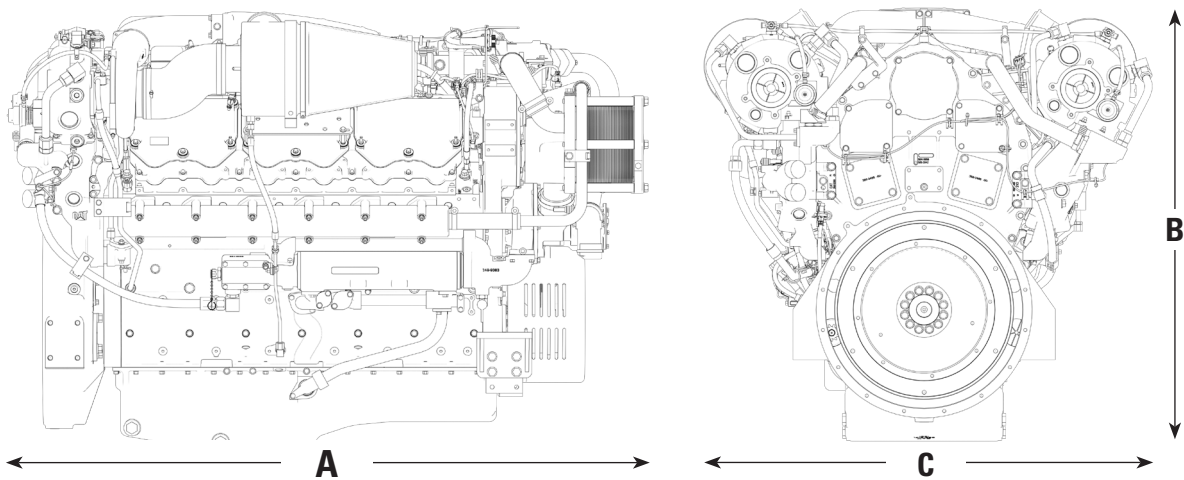
Propulsion Engines

Rating	mhp	bhp	bkW	rpm	U.S. g/h	g/bkWh	IMO	U.S. EPA	EU	China
E	2025	2000	1491	2300	105.0	226.4	II	T3R	RCD	C-II

ISO 3046/1 (+5% BSFC Tolerance

Dimensions

All dimensions are approximate.



A	Length	2106 mm	82.9 in	C	Width	1469 mm	57.8 in
B	Height	1445 mm	59.9 in		Dry Weight	3145 kg	6934 lb

Standard and Optional Equipment

Standard Equipment

- ADEM VI electronic control module
- Air Cleaner / Fumes Disposal
- Electronic Diagnostics and Fault Logging
- Engine and Transmission Monitoring
- Seawater Aftercooler
- Titanium Plate Heat Exchanger with Expansion Tank
- Gear-driven JW and SW pumps
- Water-cooled Exhaust Manifolds and Turbochargers
- MEUI-C Fuel System
- Fuel Priming and Transfer Pump
- 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 or 105 A alternator
- Spray shielding

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

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