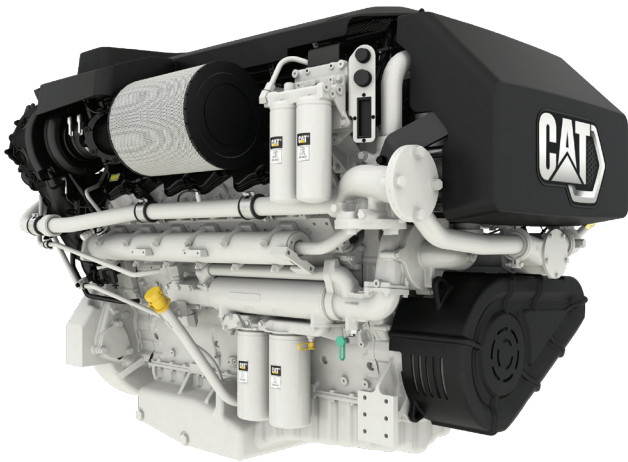


C32B

MARINE PROPULSION ENGINE

1790 bkW (2400 bhp) @ 2300 rpm



**New Cat® C32B
Marine Propulsion Engine**

ENGINE SPECIFICATIONS

Configurations

Vee 12, 4-stroke-cycle diesel

Emissions

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

Rated Engine Speed

2300 rpm

Bore x Stroke

145 mm x 162 mm / 5.7 in x 6.4 in

Displacement

32.1 Liter / 1959 cu in

Aspiration

TTA

Governor

Electronic (A6 ECM)

Refill Capacity

Lube Oil System w/ oil filter change:
76 Liters / 20 gal

Oil Change Interval

250 hrs

Cooling

SWAC

Flywheel Housing

SAE No. 0

Rotation

Counterclockwise from flywheel end

Engine Dry Weight

3481kg/7676 lb

FEATURES AND BENEFITS

- U.S. EPA Tier 3 certified
- IMO II and IMO III switchable
- Utilizes factory certified SCR system for IMO III
- Improved core engine to enable high power density
- Advanced Unit Injection Fuel System enables reduced noise at low speeds
- Upgraded engine control system (ADEM VI)
- Repower existing vessels
- Optimized air system enables class-leading acceleration and maximizes torque range
- Updated seawater aftercooler and HEX design
- Global dealer network for service in any location

STANDARD ENGINE EQUIPMENT

- Front and rear SW pumps for SWAC and HEX circuits
- LH and RH service side options
- Water-cooled exhaust manifolds
- Closed crankcase ventilation

OPTIONAL ATTACHMENTS

- Rear PTO (SAE A or B)
- MCS certified
- Marine alarm & protection
- Deep sump oil pan
- Cosmetic Engine Cover

E RATING (HIGH PERFORMANCE) DEFINITION

Typical applications: For vessels operating at rated load and rated speed up to 8% of the time (up to 30% load factor).
Typical operation ranges from 250 to 1000 hours per year.

TECHNICAL DATA

C32B Marine Propulsion Engine

PROP DEMAND FUEL & DEF CONSUMPTION

rpm	Brake Specific Fuel Consumption				DEF Consumption 32.5 % Concentration		DEF Consumption 40 % Concentration	
	bhp	lb/bhp-hr	bkW	g/bkW-hr	Gal/hr	Liters/hr	Gal/hr	Liters/hr
2300	2400	0.368	1790	224	4.4	16.8	4.3	16.4
2093	1800	0.372	1343	226	2.5	9.4	2.4	9.1
1840	1200	0.367	895	223.5	1.0	3.9	1.0	3.8
1449	600	0.347	447	211	0.7	2.7	0.7	2.6

- ISO 3046/1 fluid consumption tolerance of -0/+5%
- Reference 32.5% DEF density of 1.0895 kg/L
- Reference 40% DEF density of 1.1120 kg/L

DIMENSIONS & WEIGHT

Length (1)	Height (2)	Width (3)	Engine dry weight
77.4 in/1965 mm	58.5 in/1485 mm	58.3 in/1480 mm	7676 lb/3481kg

CLEAN EMISSIONS MODULE (CEM)

Dimensions & Weight				
Model	Length (1)	Height (2)	Width (3)	Weight ¹
4 Brick L-Flow	68.9 in/1750 mm	28.2 in/718 mm	51.0 in/1295 mm	1045 lb/475 kg
Dosing Cabinet	37.4 in/625 mm	22.8 in/562 mm	18.8 in/575 mm	198 lb/90 kg

¹ Weight with catalysts installed

Cat® SCR System is an exhaust gas aftertreatment solution compliant with IMO III emission standards.

- Proven technology to meet IMO III emission standards
- Maintains engine efficiency, durability and reliability
- Flexible installation orientation available
- Factory certified package, compact and serviceable design
- Airless SCR injection used
- For detailed dimensions and installation requirements, please refer to latest revision of A&I guide LEBM0023.