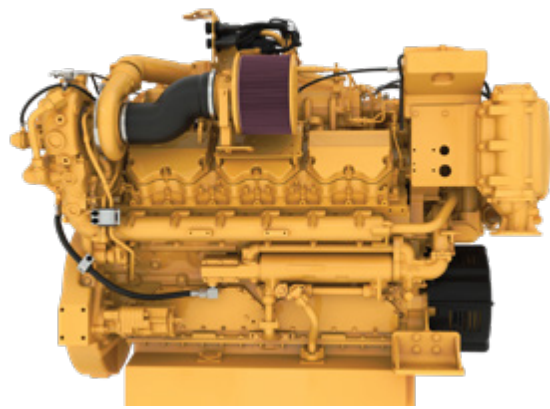


# C32B Marine Propulsion Engine

## Commercial Applications



## ENGINEERING SPECIFICATIONS

<b>CONFIGURATION</b>	V 12, 4-Stroke Cycle Diesel	<b>BORE X STROKE</b>	145 mm x 162 mm / 5.7 in x 6.38 in
<b>EMISSIONS</b>	IMO II	<b>REFILL CAPACITY LUBE OIL SYSTEM W/OIL FILTER CHANGE</b>	146 L (38.5 gal) - Deep Pan
<b>RATED ENGINE SPEED</b>	2300 rpm	<b>OIL CHANGE INTERVAL</b>	500 Hours - Deep Pan
<b>DISPLACEMENT</b>	32.1L (1959in <sup>3</sup> )	<b>ROTATION (FROM FLY-WHEEL END)</b>	Counterclockwise
<b>ASPIRATION</b>	Twin Turbocharged - Aftercooled	<b>COOLING</b>	Heat Exchanger or Keel Cooled
<b>GOVERNOR</b>	Electronic (ADEM VI)		
<b>FLYWHEEL HOUSING</b>	SAE No. 0		

## KEY FEATURES & BENEFITS

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

## STANDARD EQUIPMENT

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

## OPTIONAL ATTACHMENTS

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

# RATINGS & FUEL CONSUMPTION

## COMMERCIAL PROPULSION ENGINES

Rating	mhp	bhp	bkW	rpm	U.S g/h	g/bkW-h	IMO	U.S. EPA
A	1217	1200	895	1600 - 1800	58	209.4	II / III	Tier 4
A	1319	1300	970	18000	63	208	II / III	Tier 4
B	1470	1450	1081	1800-2100	73	218.2	II / III	Tier 4
C	1724	1700	1268	2300	87.8	223	II	NC

## RECREATION PROPULSION ENGINES

Rating	mhp	bhp	bkW	rpm	U.S g/h	g/bkW-h	IMO	U.S. EPA
D	1825	1800	1342	2300	93.5	224.5	II / III	Tier 3
D	2025	2000	1491	2300	104	223.5	II / III	Tier 3
E	2230	2200	1641	2300	114	223.1	II / III	Tier 3
E	2433	2400	1790	2300	123	220.5	II / III	Tier 3

### Rating Definition Cat Generator Sets and Propulsion Engines:

#### A Rating (Unrestricted Continuous)

**Typical applications:** For vessels operating at rated load and rated speed up to 100% of the time without interruption or load cycling (80% to 100% load factor). Typical operation ranges from 5000 to 8000 hours per year.

#### B Rating (Heavy Duty)

**Typical applications:** For vessels operating at rated load and rated speed up to 80% of the time with some load cycling (40% to 80% load factor). Typical operation ranges from 3000 to 5000 hours per year.

#### 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.

#### D Rating (Intermittent Duty)

**Typical applications:** For vessels operating at rated load and rated speed up to 16% of the time (up to 50% load factor). Typical operating ranges from 1000 to 3000 hours per year.

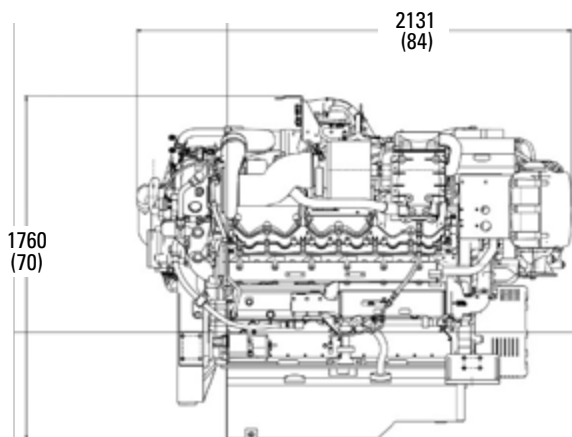
#### E Rating (High Performance)

**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.

## ENGINE DIMENSIONS & WEIGHT

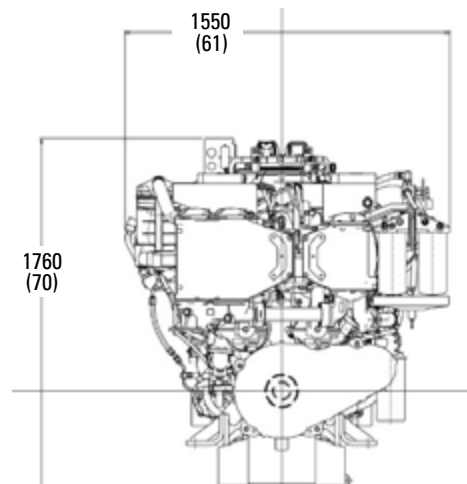
### KEEL

LENGTH (APPROX.)	84 in / 2131 mm
HEIGHT (APPROX.)	70 in / 1760 mm
WIDTH (APPROX.)	61 in / 1550 mm
DRY WEIGHT (APPROX.)	7495 lb / 3400 kg



### HEX

LENGTH (APPROX.)	90 in / 2295 mm
HEIGHT (APPROX.)	70 in / 1760 mm
WIDTH (APPROX.)	61 in / 1550 mm
DRY WEIGHT (APPROX.)	8050 lb / 3650 kg



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