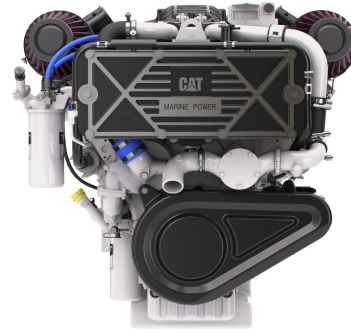
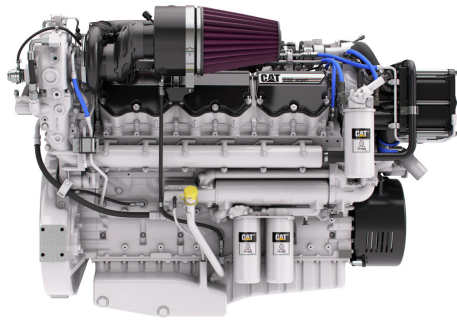


# C32

## Marine Propulsion Engine High Performance Applications



### ENGINE SPECIFICATIONS

<b>CONFIGURATION</b>	Vee 12, 4-Stroke Cycle diesel
<b>EMISSIONS</b>	IMO II U.S. EPA Tier 3 Recreational RCD, China Stage II
<b>RATED ENGINE SPEED</b>	2,300 rpm
<b>DISPLACEMENT</b>	32.1 L (1959 cu in)
<b>ASPIRATION</b>	Twin Turbocharged-aftercooled
<b>GOVERNOR</b>	Electronic (ADEM IV)

<b>BORE x STROKE</b>	145 mm x 162 mm (5.71 in x 6.38 in)
<b>REFILL CAPACITY</b>	Lube Oil System w/oil filter change: 85.2 L (22.5 gal)
<b>OIL CHANGE INTERVAL</b>	250 hrs
<b>FLYWHEEL HOUSING</b>	SAE No. 0
<b>ROTATION</b>	Counterclockwise
<b>COOLING</b>	SWAC (Seawater Aftercooler)

### KEY FEATURES & BENEFITS

- Electronically Governed and Controlled (ADEM IV ECM)
- Gear-drive Jacket Water Pump and Sea Water Pump for Enhanced Reliability
- MCS Certifications Available
- Titanium Plate Heat Exchanger
- LH and RH Service side options available

### STANDARD EQUIPMENT

- ADEM IV Electronic Control Module
- Air Cleaner / Fumes Disposal
- Electronic Diagnostics and Fault Logging
- Engine and Transmission Monitoring
- Sea Water Aftercooler
- Titanium Plate Heat Exchanger with Expansion Tank
- Gear-driven JW and SW pumps
- Water-cooled Exhaust Manifolds and Turbochargers
- MEUI Fuel System
- Fuel Priming and Transfer Pump
- 250-hr Oil Pan (Shallow Sump)
- RH or LH Service Side Options

### OPTIONAL ATTACHMENTS

- 120V or 240V Jacket Water Heater
- SAE A or B PTO (LH or RH rear)
- 75A or 105A Alternator
- Spray Shielding

# RATINGS & FUEL CONSUMPTION

Rating	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	IMO	U.S. EPA	EU	China
D	1622	1600	1193	2300	83.5	225.3	II/III	T3R	RCD	C-II
E	1724	1700	1268	2300	88.2	224.0	II	T3R	RCD	C-II
E	1825	1800	1342	2300	92.3	221.4	II	T3R	RCD	C-II
E	1925	1900	1417	2300	97.7	221.8	II	T3R	RCD	C-II

ISO 3046/1 BSFC Tolerance (-0/+5%)

1600bhp (D-tier) rating also available with IMO III (CAT certified SCR solution)

China Stage II certification will be available in 2023

## ENGINE DIMENSIONS & WEIGHT

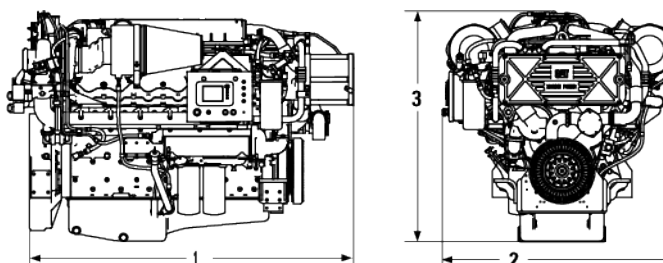
### PROPULSION ENGINE

**LENGTH (1)** 82.9 in / 2106 mm

**WIDTH (2)** 58.3 in / 1482 mm

**HEIGHT (3)** 56.9 in / 1445 mm

**DRY WEIGHT** 6,780 lb / 3,075 kg



### AFTERTREATMENT

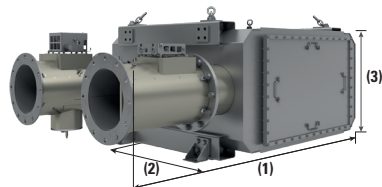
#### CLEAN EMISSION MODULE (CEM)

**LENGTH (1)** 12 Brick Z-Flow: 139.2 in / 3,535 mm  
12 Brick U-Flow: 110.0 in / 2,798 mm

**WIDTH (2)** 67.0 in / 1,675 mm

**HEIGHT (3)** 39.9 in / 1,012 mm

**WEIGHT** 12 Brick Z-Flow: 2,765 lb / 1,254 kg  
12 Brick U-Flow: 2,765 lb / 1,254 kg



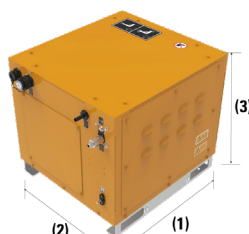
#### DOSING CABINET

**LENGTH (1)** 36.0 in / 912 mm

**WIDTH (2)** 20.2 in / 514 mm

**HEIGHT (3)** 33.3 in / 847 mm

**WEIGHT** 271 lb / 123 kg



For detailed dimensions and installation requirements, please refer to the latest revisions of the A&I guide (Media # LEBM0023)



Contact your Local Cat® Dealer  
for more information!

LEHM21466-00

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