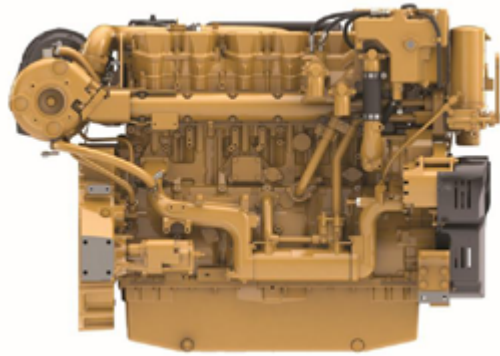


C18 Marine Propulsion Engines

Commercial Applications



ENGINE SPECIFICATIONS

| | | | |
|---------------------------|---|--|---|
| CONFIGURATION | Inline 6, 4-Stroke Diesel | BORE X STROKE | 145 mm (5.7 in) x 183 mm (7.2 in) |
| EMISSIONS | IMO II, IMO III, U.S. EPA, China Stage II, EU Stage V | REFILL CAPACITY LUBE OIL SYSTEM W/OIL FILTER CHANGE | 49 L (13 gal) Shallow Pan 68 L (18 gal) Deep Pan |
| RATED ENGINE SPEED | 1500 / 1800 / 2100 | OIL CHANGE INTERVAL | 250 / 500 hours |
| DISPLACEMENT | 18.1 L (1106 in ³) | ROTATION (FROM FLYWHEEL END) | Counterclockwise |
| ASPIRATION | Turbocharged – Aftercooled | COOLING | Heat Exchanger or Keel Cooled |
| GOVERNOR | Electronic | | |
| FLYWHEEL HOUSING | SAE No. 0 (136 teeth) or SAE No. 1 (113 teeth) | | |

KEY FEATURES & BENEFITS

- Electronic control system provides rapid torque and throttle response at low speeds, while maintaining fuel efficiency at high speeds
- Compatible with Cat® displays for seamless vessel integration
- Available remote-mounted display panel with start, stop, and engine diagnostics
- Certified by all marine classification societies

STANDARD EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Heat exchanger or keel cooling
- SCAC and Jacket Water shunt tanks with sight glass
- Water-cooled exhaust manifold and turbocharger
- Center sump oil pan, deep or shallow
- Oil and Fuel Filter service located on the front of the engine
- MEUI fuel system
- Front mounting supports
- Electronic controls
- Front vibration damper and guard
- EU Stage V and IMO III includes airless dosing SCR and DPF

OPTIONAL ATTACHMENTS

- Alternators – 24 V 70 or 105 A
- Closed crankcase ventilation
- Transmission gear oil cooler
- Fuel cooler
- Marine alarm and protection sensors
- Instrument panels
- Electric or Air Starting motor
- PTO Drives – Crank driven V-belt pulley stack and stub shaft
- SAE-B pump adapter front gear train (keel only)
- Duplex fuel and oil filters
- SAE #0-#1 Flywheel Housing

RATINGS & FUEL CONSUMPTION

COMMERCIAL PROPULSION ENGINES

| Rating | mhp | bhp | bkW | rpm | U.S. g/h | g/bkW-h | IMO | U.S. EPA | EU | China |
|--------|------|------|-----|-----------|----------|---------|--------|----------|-----------------------|-------|
| A | 460 | 454 | 339 | 1800 | 21.9 | 208.0 | II | NC | NC | NC |
| A | 475 | 469 | 350 | 1800 | 23.1 | 212.3 | II | T3C | RCD | C-II |
| A | 485 | 479 | 357 | 1800 | 23.0 | 207.3 | II | NC | NC | NC |
| A | 591 | 583 | 435 | 1800 | 29.0 | 214.5 | III | NC | EU V ¹ | NC |
| A | 608 | 600 | 447 | 1800 | 29.1 | 209.1 | II | T3C | RCD | C-II |
| B | 560 | 553 | 412 | 2100 | 27.8 | 217.1 | II | NC | NC | NC |
| B | 680 | 670 | 500 | 1800-2100 | 34.1 | 219.6 | III | T3C | RCD/EU V ¹ | C-II |
| C | 725 | 715 | 533 | 2100 | 36.4 | 219.6 | II | T3C | RCD | C-II |
| D | 786 | 775 | 577 | 2100 | 40.6 | 218.5 | NC | T3C | NC | NC |
| D | 814 | 803 | 599 | 2100 | 41.1 | 220.8 | II/III | NC | RCD/EU V ¹ | C-II |
| D | 885 | 873 | 651 | 2200 | 43.7 | 216.0 | II | NC | NC | NC |
| E | 1015 | 1001 | 747 | 2300 | 52.1 | 224.5 | II | T3R | RCD | C-II |
| E | 1150 | 1136 | 847 | 2300 | 56.5 | 214.5 | II | T3R | RCD | NC |

IMO III and EU Stage V require exhaust aftertreatment

Rating Definitions:

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

| | |
|----------------------|------------------------------------|
| LENGTH (APPROX.) | 73 in / 1854 mm |
| HEIGHT (APPROX.) | 47.2 in / 1198 mm |
| WIDTH (APPROX.) | 44.6 in / 1134 mm |
| DRY WEIGHT (APPROX.) | 4000 - 4299 lb / 1814 - 1950 kg |

