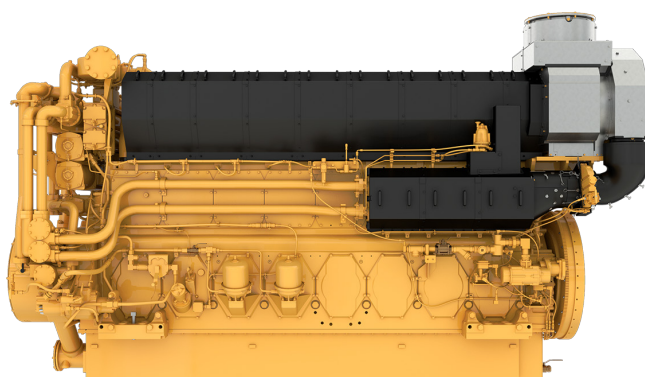
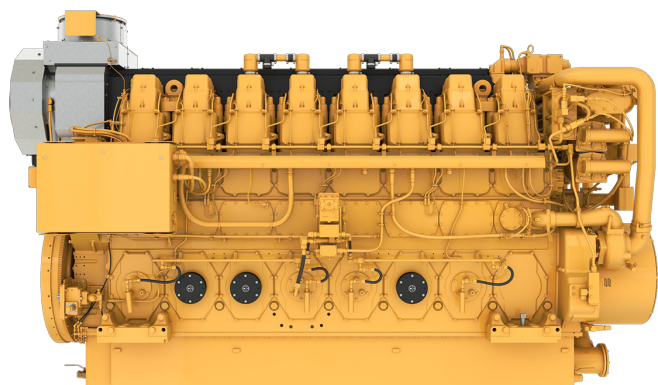


# C280 Marine Propulsion

## Commercial Applications



## ENGINE SPECIFICATIONS

|                           |                                  |
|---------------------------|----------------------------------|
| <b>CONFIGURATION</b>      | In-line 8, 4-stroke cycle diesel |
| <b>EMISSIONS</b>          | IMO II                           |
| <b>RATED ENGINE SPEED</b> | 1000 rpm                         |
| <b>DISPLACEMENT</b>       | 148 L                            |
| <b>ASPIRATION</b>         | Turbocharged - aftercooled       |
| <b>GOVERNOR</b>           | Electronic (A4 ECU)              |
| <b>FLYWHEEL HOUSING</b>   | SAE No. 03                       |

|   |  |
|---|--|
| <b>BORE x STROKE</b>  | 280 mm x 300 mm /<br>11.0 in x 11.8 in |
| <b>REFILL CAPACITY<br/>LUBE OIL SYSTEM<br/>W/ OIL FILTER CHANGE</b> | 2876 L (760 gal)                       |
| <b>OIL CHANGE INTERVAL</b>  | 900 hrs                                |
| <b>ROTATION<br/>(from flywheel end)</b>                             | Counterclockwise and clockwise         |
| <b>COOLING</b>  | Single circuit cooling system          |

## KEY FEATURES AND BENEFITS

- Advanced combustion design uses the optimum performance calibrations and cylinder geometry
- Enhanced control of fuel injection, optimized through crank timing
- Global dealer network for exceptional support
- Industry-leading warranty coverage for factory packaged components
- Electronic governing control unit minimizes fuel consumption and monitors engine operating parameters
- Updated optional air shut off for compatibility with higher compressor outlet temperatures
- Contains the latest combustion iron to minimize visible smoke while meeting IMO-II requirements
- Updated thermal management heat shields to meet SOLAS requirements and improve durability

## STANDARD EQUIPMENT

- Duplex fuel filters
- Electronically controlled fuel injectors
- 24 V electrical system
- Fuel transfer pump
- Centrifugal oil filters
- Installed oil lines/shutoff valve
- Oil pressure regulating valve

## OPTIONAL ATTACHMENTS

- Auxiliary drive
- Auxiliary water pump
- Jacket water heaters
- Heat recovery system
- Connections for driven equipment
- Exhaust system flexible exhaust fittings
- Duplex primary fuel strainer
- Lube oil heater
- Monitoring system
- Oil mist detector
- Standard and reverse rotation
- Opposite end drive
- Air shut off

# RATINGS AND FUEL CONSUMPTION

## IMO II

| Rating | mhp  | bhp  | bkW  | rpm  | U.S. g/h | g/bkW-hr | IMO | U.S. EPA | EU | China |
|--------|------|------|------|------|----------|----------|-----|----------|----|-------|
| MC     | 4080 | 4023 | 3000 | 1000 | 195      | 210.1    | II  | NC       | NC | NC    |

ISO 3046/1 BSFC tolerance of -0/+5%

**Rating Definitions:**

**Maximum Continuous (MC) Rating:** This rating is generally used for vessel applications involving varying loads. The engine power actually produced is limited by application guidelines, leaving a power reserve for unusual operating conditions. Operating time at loads above the Continuous Service Rating for a given rpm is limited to one hour in 12 or 8.3% of total operating hours.

# ENGINE DIMENSIONS AND WEIGHT

|            |                       |
|------------|-----------------------|
| LENGTH     | 195.2 in / 4958 mm    |
| HEIGHT     | 104.2 in / 2648 mm    |
| WIDTH      | 71.0 in / 1804 mm     |
| DRY WEIGHT | 41,888 lb / 19,000 kg |

