

Worldwide Marine Power Solutions

ENGINE SPECIFICATIONS

Configuration	In-line 6-cylinder, 4-cycle diesel
Bore & Stroke	114 mm x 135 mm (4.49 in x 5.32 in)
Displacement	8.3 L (504.5 in ³)
Rotation	Counterclockwise facing flywheel
Aspiration	Turbocharged, Aftercooled

POWER RATINGS

Rating	Continuous Duty* (JWAC)	Intermittent Duty* (SWAC)	
Engine ID	6CTA8.3-M	6CTA8.3-M	6CTA8.3-M
Rated RPM	1800	2500	2600
kW (Hp)	190 (255)	261 (350)	321 (430)
Max Torque N·m	1193	1125	1395
(ft·lb)	880	(830)	(1029)
RPM	1200	1900	1800

*Ratings are IMO emissions compliant.

JWAC - Jacketwater Aftercooled

SWAC - Seawater Aftercooled

FEATURES AND BENEFITS

Engine Design

Compact size for ease of installation with easy access for routine maintenance. Four stroke cycle combustion for quiet and fuel efficient operation. Alloy cast iron cylinder block with removable wet liners for longer life and serviceability. One piece cross flow cylinder head for small package size and maximum stiffness, with replaceable valve guides and seat inserts.

Cooling System

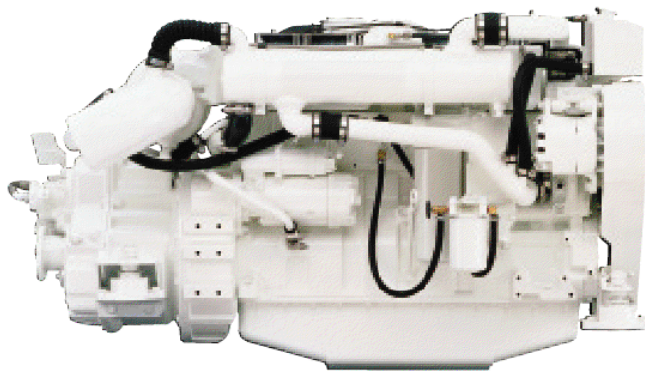
Low profile heat exchanger configuration. Keel cooled configuration also available on continuous duty rating. Spin-on Fleetguard water treatment filter.

Fuel System

Bosch inline fuel pump with high injection pressure for improved performance.

Lubrication System

17 L (4.5 g) marine grade, cast aluminum oil pan. Spin-on Fleetguard lube oil filters. Handed filter and dipstick locations for ease of maintenance.



Electrical System

12-volt and 24-volt systems available. Marine grade wiring harness and instrument panels.

Manufacturing

ISO certified plants.

U.S. Navy Certified

Tested and certified for the U.S. Navy's 1,000 hour abuse cycle test.

IMO Emissions Certified

Certificates of Compliance are available from the U.S. EPA and Lloyd's Register of Shipping.

AVAILABLE ACCESSORIES

Air Cleaner: Light or heavy duty.

Auxiliary Pump

Hydraulic Pump Drive: SAE A or B Flange.

Flywheel Housing: SAE #2 or #3

Walker Air Sep: Closed crankcase ventilation system

Accessory Drive Pulley: Belt or gear driven

Marine Classification Society Approvals: Check with your local Cummins professional for an updated listing.