



Cat® C9 ACERT Diesel Marine Propulsion Engine, with ratings of 510-575 mhp (503-567 bhp) at 2500 rpm, meets IMO II emission standards.

Specifications

Ratings	
Power Range	503-567 bhp (375-423 kW)

Engine		
Speed Range	2500 rpm	
Configuration	In-line 6, 4-Stroke-Cycle Diesel	
Aspiration	TA	
Bore	112 mm	4.41 in
Stroke	149 mm	5.87 in
Displacement	8.8 L	538 in ³
Rotation (from flywheel end)	Counterclockwise	
Emissions	IMO II	

Dimensions & Weights		
Length	1198 mm	47.2 in
Width of Engine	974 mm	38.3 in
Height	983 mm	38.7 in
Approx. Engine Dry Weight	946 kg	2086 lb

Benefits and Features

C9 ACERT Features & Benefits

IMO compliant, Caterpillar standard warranty. no visible white or black smoke, parts & service support from worldwide dealer organization, Increased power with ACERT technology

Standard Equipment

Air Inlet System

- Aftercooler (sea water)

- Air Cleaner/Fumes Disposal (closed crankcase) - shipped loose
- Turbocharger

Control Panels

- Electronic governor
- Hydraulic Electronic Unit Injection (HEUI) fuel system
- Electronic Control Module (ECM)
- Engine mounted 70-pin dedicated customer connector
- SAE J1939 data link

Cooling System

- Thermostat and housing
- Jacket water pump, belt driven, centrifugal
- Auxiliary sea water pump, gear driven
- Expansion tank (heat exchanger engines only)
- Engine mounted heat exchanger, removable tube bundle (for sea water) (heat exchanger engines only)
- Engine oil cooler
- Auxiliary sea water lines
- Transmission oil cooler

Flywheel & Flywheel Housings

- Flywheel, SAE No. 1, 113 teeth
- Flywheel housing, SAE No. 1

Fuel System

- Fuel filter, RH service on Port, LH service on starboard
- Fuel transfer pump
- Fuel priming pump

Lube System

- Crankcase breather
- Oil filter, front center service
- Oil filler, in valve cover
- Oil level gauge, RH service on port, LH service on starboard
- Oil pan
- Oil pan drain, RH service on port, LH service on starboard
- Engine oil pump (gear driven)

Mounting System

- Front support, adjustable height

Protection System

- Overspeed shutoff - electronic

General

- Torsional vibration damper and guard

- Lifting eyes
- Literature
- Engine wiring
- RH or LH service options

Optional Equipment

Cooling System

- Coolant level sensor

Exhaust System

- Exhaust Temp Sensor
- Watercooled Elbows

Fuel System

- Fuel cooler
- Flexible fuel lines

Instrumentation

- OEM Wiring Harness
- Engine to Engine Harness
- Wiring Harness
- Transmission Sensors
- Marine Power Display System
- Marine Power Display
- Marine Power Display Bracket

Lube System

- Oil Filler
- Sump pumps, manual
- Sump pump lines

Mounting System

- Vibration isolators

Power Take-Offs

- Crankshaft pulley
- Damper and Stub Shaft
- Pulley and Stub Shaft

General

- Damper Guard
- Belt Guard - Alternator

Packing

- Engine Protective Cover
- Export Packing



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