

Product Specifications For C12



Power Rating

Power Range	340-490 bhp (254-366 bkW)
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Engine Specifications

Speed Range	1800-2300 rpm
Emissions	IMO II, U.S. EPA T3
Aspiration	Turbocharged - Aftercooled
Bore	130 mm
Stroke	150 mm
Displacement	12 l
Rotation from Flywheel End	Counterclockwise
Configuration	In-line 6, 4-Stroke-Cycle Diesel

Dimensions & Weights

Width	969 mm
Length	1574 mm
Dry Weight	1174 kg
Height	1005 mm

C12 Standard Equipment

Air Inlet System

Aftercooler - sea water; corrosion resistant, Air Cleaner/Fumes Disposal (closed system), Turbocharger, Jacket Water Cooled

Control System

Electronic governing, Cold mode start strategy, Power compensation for fuel temperature, Programmable low idle, Electronic diagnostics and fault logging, Engine and transmission monitoring (speed, temperature, pressure), Fuel/air ratio control, Emergency stop switch (A&B ratings only)

Cooling System

Thermostat and housing, Jacket water pump; gear driven, Sea water pump; rubber impeller; self-priming; gear-driven, Integral heat exchanger/expansion tank; removable tube bundle; replaceable copper-nickel tubes, Keel cooling - combined circuit (includes pipe thread flange kit)

Exhaust System

Watercooled Manifold & Turbocharger

Flywheels & Flywheel Housings

Flywheel; SAE No. 1; 113 teeth, Flywheel housing; SAE No. 1 (10 degree slant pad), SAE standard rotation

Fuel System

Fuel filter; RH service on Port; LH service on Starboard, Fuel transfer pump, Fuel priming pump, Flexible fuel lines

Instrumentation

Service meter, electric

Lube System

Crankcase breather, Oil cooler, Oil filter; spin-on; RH service on Port; LH service on Starboard, Oil filler, Dipstick; RH service on Port; LH service on Starboard, Oil pump; gear driven

Mounting System

Front support

Power Take-Offs

Hydraulic pump drive; SAE A; 11 tooth spline, 57 ft-lbs max torque; counterclockwise as viewed from the rear of the engine looking into the pump drive and turns 1.41 x engine speed, Crankshaft pulley; 345 mm (13.6 in) single groove; 15.88 mm (.63 in) width

Protection System

Shutdown; electronic; 12 or 24 volt; energized to run

General

Vibration damper, Lifting eyes, RH or LH service options, Literature, Variable engine wiring, Upper rear-facing customer wiring connector and ECAP connection, Electronic installation kit (connectors, pins, sockets)

C12 Optional Equipment

Air Inlet System

Low Profile Air Inlet Line, Shield (Air Inlet Line)

Charging System

Charging Alternators, Voltmeter Guages, Voltmeter Guage Mounting, Alternator Mounting Group

Cooling System

Sea Water Pump, Coolant Recovery Tank, Flange Kit

Exhaust System

Flexible Fitting, Elbow, Dry Elbow, Watercooled Elbow, Exhaust Connection, Exhaust Outlet Pipe, EXH Outlet Flange, Rain Cap, Muffler

Fuel System

Fuel Cooler, Fuel Connections, Primary Fuel Filter, Primary Fuel/Water Separator

Instrumentation

OEM Wiring Harness, Engine to Engine Harness, Digital Tachometer, Tachometer Mounting, Magnetic Pickup, RH 4 Hole Instrument Panel, LH 4 Hole Instrument, Marine Power Display System, Marine Power Display Unit (for additional monitoring stations), Marine Power Display Bracket, Wiring Group, Transmission Sensors

Lube System

Manual sump pump, Transmission oil cooler

Mounting System

Vibration Isolators

Power Take-Offs

Crankshaft Pulley, Front Stub Shaft, Front Stub Shaft & Pulley

Starting System

Air Pressure Regulator, Air Start Silencer, Start Switch, Jacket Water Heater, Battery sets (24 volt - dry)

General

Wiring Harness Removal, Belt Guard - Alternator, Belt Guard - Alternator Pulley, Filter Cover Kit

Packing

Overseas Preservation, Engine Protective Cover, Storage Preservation, Export Packing