

# PRODUCT SPECIFICATIONS FOR C12

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## RATINGS

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<b>Power Range</b>	578-609 mhp (570-600 bhp)
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## ENGINE

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<b>Speed Range</b>	2300 rpm
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<b>Emissions</b>	IMO I
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<b>Aspiration</b>	TA
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<b>Bore</b>	130 mm
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<b>Stroke</b>	150 mm
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<b>Displacement</b>	12 l
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<b>Rotation from Flywheel End</b>	Counterclockwise
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<b>Configuration</b>	In-line 6, 4-Stroke-Cycle Diesel
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## DIMENSIONS & WEIGHTS

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<b>Height</b>	1005 mm
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<b>Length</b>	1574 mm
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<b>Width</b>	969 mm
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<b>Dry Weight</b>	1174 kg
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## C12 STANDARD EQUIPMENT

### AIR INLET SYSTEM

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

### CONTROL SYSTEM

## 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 filler; 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 (.63in) 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)

LOW TONE / 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