

# 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
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Emissions	IMO I, IMO II
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Aspiration	TA
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Bore	5.1 in
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Stroke	5.9 in
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Displacement	732 in <sup>3</sup>
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Rotation from Flywheel End	Counterclockwise
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Configuration	In-line 6, 4-Stroke-Cycle Diesel
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## Dimensions & Weights

Width	38.1 in
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Length	62 in
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Dry Weight	2588 lb
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Height	39.5 in
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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**

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 (.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)

## 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 Outle 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