

# PRODUCT SPECIFICATIONS FOR C12 ACERT

US Metric

**Power Range** 660-705 bhp (492-526 bkW)

**Speed Range** 2300 rpm

**Emissions** IMO II

**Aspiration** TA

**Bore** 130 mm

**Stroke** 150 mm

**Displacement** 12 l

**Rotation from Flywheel End** Counterclockwise

**Configuration** In-line 6, 4-Stroke-Cycle Diesel

**Width** 969 mm

**Dry Weight** 1174 kg

**Length** 1574 mm

**Height** 1005 mm

# **C12 ACERT 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

## **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 ACERT OPTIONAL EQUIPMENT**

### **AIR INLET SYSTEM**

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

### **CHARGING SYSTEM**

Charging Alternators, Voltmeter Gauges, Voltmeter Gauge Mounting, Alternator Mounting Group

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## **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

