

PRODUCT SPECIFICATIONS FOR C175-16

Power Range	2683-3420 bhp (2001-2550 bkW)
Speed Range	1600-1800 rpm
Emissions	IMO II
Aspiration	TA
Bore	6.88 in
Stroke	8.66 in
Displacement	5166.88 in ³
Rotation from Flywheel End	Counterclockwise
Configuration	Vee 16, 4-Stroke-Cycle Diesel
Dry Weight	28750 lb
Height	97.6 in
Length	177.8 in
Width	72.6 in

C175-16 STANDARD EQUIPMENT

AIR INLET SYSTEM

Air cleaner; 2 single element canisters

Air cleaner mounting

CONTROL SYSTEM

Caterpillar Dual ADEM A4 Electronic Engine Control, front mtd. Requires 24V DC 20 amp continuous, 40 amp intermittent, clean electrical power

COOLING SYSTEM

Engine Configuration for Remote Cooling

EXHAUST SYSTEM

Dry Exhaust Manifold and dual turbochargers with heat shields

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel housing, SAE No. 00

Flywheel, 530 M (SAE No. 21), 183 teeth

FUEL SYSTEM

Fuel transfer pump, RH Fuel priming pump, RH Double walled high pressure fuel lines Electronically controlled unit injectors Leak detection Customer connections, RH Shipped loose duplex primary fuel filters with water separators Duplex secondary and tertiary fuel filters

INSTRUMENTATION

Features: Start/stop controls Emergency stop Terminal blocks for customer connections

Switches: Cranking override-RH and LH Crank selection Low idle Prelube override

Graphical Unit (Color Marine Power Display) for analog or digital of: Engine oil pressure, engine water temperature, fuel pressure, system DC voltage, air inlet restriction, LH & RH exhaust temperature (prior to turbocharger), fuel filter differential, oil filter differential, service hour meter, engine speed, instantaneous fuel consumption (calculated), total fuel consumed (calculated), engine control switch (4 position), alarm horn, prioritized alarms, backup ECM ready light, backup ECM in control light, overspeed shutdown notification light, emergency stop notification light, prelube override, shutdown override

Indication lights: Auxiliary one and two circuits Emergency stop lamp General alarm lamp Local speed control

LUBE SYSTEM

Gear type lube oil pump Integral lube oil cooler Oil drain valves, FRONT Oil sampling valve Duplex oil filter Filler and dipstick Fumes disposal 1000 hour sump oil pan

PROTECTION SYSTEM

A4 Electronic Monitoring System provides customer programmable engine derating strategies to protect against adverse operating conditions

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Emergency stop push button (located in Electronic Instrument Panel) Safety shutoff protection: Oil pressure and water temperature (redundant OP and WT sensors) Overspeed (redundant and independent of engine governing system speed sensed by backup ECM which is MCS approved) NOT INCLUDED:

Thermocouples

STARTING SYSTEM

High and Low current power distribution box NOT INCLUDED: Starting motor

MARINE SOCIETY REQUIREMENTS

See MARINE SOCIETY REQUIREMENTS optional attachments

GENERAL

Vibration damper and guard Lifting eyes Paint, Caterpillar yellow engine with black rails. Preservation of cooling system, air intake and exhaust for one year indoor storage

C175-16 OPTIONAL EQUIPMENT

IMO CERTIFICATION (EMISSIONS)

For GL IMO certification for vessels with a German Flag, additional certification through the German Authority SeeBG is required.

CHARGING SYSTEM

Alternator Harness: 10M/32FT, 20M/64FT, 30M/98FT

Battery Charger 20 AMP

COOLING SYSTEM

Coolant Level Sensor

EXHAUST SYSTEM

Flexible Fitting

Flanges

Flange & Exhaust Expanders

FUEL SYSTEM

Flexible Fuel Lines

INSTRUMENTATION

PL 1000E Communication Module

Marine Gear Sensors

Color Marine Power Display System

Turbocharger Speed Sensors

LUBE SYSTEM

Electric Prelube Harness

SPECIAL TESTS/REPORTS

Special Test Charge - English Only

STD Engine Test Charge

STARTING SYSTEM

24 Volt Battery Set - Dry (QTY6)

Starter Motor Harness

SERVICE TOOLS/SHIP PROT./ FACTORY SUPPORT

Shrink Wrap Protection

Export Packaging

