

PRODUCT SPECIFICATIONS FOR C280-16

Power Range	6169-7577 bhp (4600-5650 bkW)
Speed Range	900-1000 rpm
Emissions	IMO II
Aspiration	TTA
Bore	11 in
Stroke	11.8 in
Displacement	18062 in ³
Rotation from Flywheel End	Counterclockwise or clockwise
Configuration	Vee 16, 4-Stroke-Cycle Diesel
Minimum Dry Weight	62832 lb
Minimum Length	224 in
Maximum Length	224 in
Minimum Height	134 in
Maximum Height	134 in
Minimum Width	80 in
Maximum Width	80 in

C280-16 STANDARD EQUIPMENT

AIR INLET SYSTEM

Aftercooler, fresh water, corrosion resistant coated (air side)

Air inlet shutoff

Breather, crankcase, top-mounted

Turbocharger, engine oil lubricated

CONTROL SYSTEM

Dual Caterpillar A-III Electronic Engine Control Modules with Electronic Unit Injector Fuel System

Rigid Wiring Harness (10 amp 24volt power required to drive Electronic Engine Control Modules)

COOLING SYSTEM

Engine coolant water drains

EXHAUST SYSTEM

Dry, gas tight, exhaust manifold

FUEL SYSTEM

Distillate fuel (requires viscosity ranging from 1.4 cSt to 20 cSt at 38 degrees C)

Fuel transfer pump (mounted on left hand side)

Duplex fuel filters

Electronically Controlled Unit Injectors

LUBE SYSTEMS

Centrifugal oil filters with single shutoff. Service side engine mounted on cylinder block inspection covers. Includes installed oil lines and single shutoff valve. Filters centrifuge bypass oil from the main lubricating oil pump. Can be serviced with the engine running.

Oil filler and dipstick

Valve, oil pressure regulating

Valves, crankcase explosion relief

GENERAL

Paint, Caterpillar yellow

Pumps, gear driven: fuel, oil, jacket water, aftercooler/oil cooler water

C280-16 OPTIONAL EQUIPMENT

ENGINE APPLICATION/DESIGN CONTROL

Crankshaft Deflection Marks

Extra Mounting Feet

ENGINE PACKAGE DESCRIPTION

Front Auxiliary Drive

Stub Shaft Certification

AIR INLET SYSTEM

Air Cleaners

Air Cleaner options

COOLING SYSTEM

Auxiliary Water Pump

Jacket Water Heaters

Heat Recovery System

Heat Recovery Thermostat

Heat Recovery Thermostats

De-Aerator

Connections for Driven Equipment

Cooling System Connection Groups

EXHAUST SYSTEM

Outlet Expander

Flexible Exhaust Fittings

Weld Flange

FUEL SYSTEM

Fuel Priming Pump

Duplex Primary Fuel Strainer

Fuel Systems Connections

LUBE SYSTEM

Oil Pan Drain Valve

Lube Connections

Lube Oil Heater

MARINE SOCIETY REQUIREMENTS

Spray Shielding

PROTECTION SYSTEM

Monitoring System

Turbocharger Speed Sensor

Cylinder Pressure Relief Valve

Oil Mist Detector

SPARE PARTS KITS

Intake and Air System

Basic Engine

Cylinder Head

Fuel System

Cooling System

Instrumentation

Cylinder Valve Kits

STARTING SYSTEM

Boost Control Valve, Pressure Reducing Valve

ENGINE TESTING

Basic System Testing

Special Witness Test

Customer Selected Test Points

Marine Limit Line Test

Propeller Demand Curve Test

SERVICE TOOLS/SHIP PROTECTION/FACTOR SUPPORT

Commissioning

Service Tools

Shipping Documents - Factor Support

Shipping Protection - Export Boxing

AID Emblem

Storage Preservation

