

PRODUCT SPECIFICATIONS FOR C280

US Metric

Minimum Rating 2320 BHP

Maximum Rating 7268 BHP

Aspiration TA

Configuration In-Line 6, Vee 8, Vee 12, Vee 16, 4-Stroke-Cycle Diesel

Bore 11 in

Stroke 11.8 in

Maximum Width 69 in

Minimum Height 108 in

Minimum Dry Weight 34496 lb

Maximum Height 140 in

Minimum Width 67 in

Minimum Length 145 in

Maximum Length 197 in

Maximum Dry Weight 62832 lb

C280 STANDARD EQUIPMENT

AIR INLET SYSTEM

R INLET SYSTEM Aftercooler, fresh water, corrosion resistant coated (air side) Air inlet shutoff Breather, crankcase, top-mounted Turbocharger, rear-mounted, engine oil lubricated

CONTROL SYSTEM

Single 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 SYSTEM

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

SVCE TOOLS/SHIP PROT/FACTORY SUPPORT

Service literature. Included standard with each engine are two (2) complete sets of service literature listed below: 1. Custom parts book CD (serial number specific) 2. Service manual, which includes: Operation & Maintenance, Specifications, Systems Operation, Testing and Adjusting, Disassembly and Assembly manual. Available in paper media and English language only. 3. Technical manual (parts/service information for special equipment). Available in paper media in English language only. NOTE: Custom parts

information for special equipment). Available in paper media in English language only. NOTE: Custom parts book CD and service manual can be re-ordered through the normal Caterpillar literature ordering system. The technical manual can only be re-ordered through the Project Services at the Caterpillar Lafayette Engine Center facility.

C280 OPTIONAL EQUIPMENT

AIR INLET SYSTEM

Air Cleaners

COOLING SYSTEM

Jacket Water Heaters

Heat Recovery System

Heat Recovery Thermostats

Cooling System Connection Groups

De-Aerator

CONTROL SYSTEM

Load Sharing module

Direct Rack Module

EXHAUST SYSTEM

Outlet Expander

Flexible Exhaust Fittings

Weld Flange - Optional

FUEL SYSTEM

Fuel Priming Pump

Duplex Primary Fuel Strainer

Fuel System Connections

LUBE SYSTEM

Oil Pan Drain Valve

Prelubrication Connections

Lube Oil Heater

MOUNTING SYSTEM

Vibration Isolators

MARINE SOCIETY REQUIREMENTS

Spray shielding

PROTECTION SYSTEM

PLC Monitoring System Options

ECP Relay System Options

ECP Mechanical Gauge Instrument Panel

Turbocharger Speed Sensor

Cylinder Pressure Relief Valve

Oil Mist Detector

Protection System Components

Magnetic Pickup

SPARE PART KITS

Intake and Air System

Basic Engine

Cylinder Head

Fuel System

Cooling System

Instrumentation

Cylinder Valve Kits

ENGINE TESTING

Basic System Testing

Special Witness Test

Torsional Vibration Analysis

SERVICE TOOLS / SHIPPING PROTECTION / FACTORY SUPPORT

Commissioning

Service Tools

Factory Packaging

Shipping Protection-Shrink Wrap or Tarp

Shipping Protection-Export Boxing

AID Emblem

Storage Preservation

