

# PRODUCT SPECIFICATIONS FOR C280-8

<b>Power Range</b>	3084-3393 bhp (2300-2530 bkW)
<b>Speed Range</b>	900 rpm
<b>Emissions</b>	IMO II
<b>Aspiration</b>	TA
<b>Bore</b>	11 in
<b>Stroke</b>	11.8 in
<b>Displacement</b>	9031 in <sup>3</sup>
<b>Rotation from Flywheel End</b>	Counterclockwise or clockwise
<b>Configuration</b>	In-line 8, 4-Stroke-Cycle Diesel
<b>Height</b>	104 in
<b>Dry Weight</b>	41800 lb
<b>Width</b>	71 in
<b>Length</b>	195 in

## **C280-8 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

## **C280-8 OPTIONAL EQUIPMENT**

### **ENGINE APPLICATION/DESIGN CONTROL**

Crankshaft Deflection Marks

Extra Mounting Feet

### **ENGINE PACKAGE DESCRIPTION**

Auxiliary Drive

Stub Shaft Certification

### **AIR INLET SYSTEM**

Air Cleaners

### **COOLING SYSTEM**

Auxiliary Water Pump

Jacket Water Heaters

Heat Recovery System

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

ECP Relay System Options

ECP Mechanical Gauge Instrument Panel

Turbocharger Speed Sensor

Cylinder Pressure Relief Valve

Oil Mist Detector

Protection System Components

Wiring

Magnetic Pickup

## **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 Protection - Export Boxing

AID Emblem

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Storage Preservation

