

# PRODUCT SPECIFICATIONS FOR 3508

<b>Maximum Power</b>	1000 HP
<b>Maximum Torque</b>	3144 lb-ft @ 1450 rpm
<b>Rated Speed</b>	1200-1800 rpm
<b>Minimum Power</b>	680 HP
<b>Emissions</b>	Non-Certified
<b>Engine Configuration</b>	V-8, 4-Stroke-Cycle Diesel
<b>Bore</b>	6.7 in
<b>Stroke</b>	7.5 in
<b>Displacement</b>	2107 in <sup>3</sup>
<b>Compression Ratio</b>	13.0:1
<b>Aspiration</b>	Turbocharged Aftercooled
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Aftertreatment</b>	-
<b>Length</b>	84 in
<b>Width</b>	67 in
<b>...</b>	60 in

Height

68 in

Weight - Net Dry - Basic Operating Engine Without Optional Attachments

9500 lb

## **3508 STANDARD EQUIPMENT**

### **AIR INLET SYSTEM**

Aftercooler core, corrosion resistant coated (air side)

Air cleaner. Regular duty, dry, panel type with service indicators, turbocharger, jacket water aftercooled.

Turbocharger, rear mounted

Jacket water aftercooled

### **CONTROL SYSTEM**

Governor, RH, 3161 with self contained synthetic oil sump

Air-fuel ratio control

Mechanical speed control, without torque control

Governor control

Positive locking

### **COOLING SYSTEM**

Thermostats and housing

Jacket water pump, centrifugal

### **EXHAUST SYSTEM**

Exhaust manifold, dry

### **FLYWHEELS AND FLYWHEEL HOUSING**

SAE No. 0 flywheel

151 flywheel teeth

SAE No. 0 flywheel housing

SAE standard rotation

### **FUEL SYSTEM**

Fuel filter with service indicators, cartridge type with RH service

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Fuel transfer pump

## **INSTRUMENTATION**

Instrument Panel, RH

Engine oil pressure gauge

Fuel pressure gauge

Oil filter differential gauge

Jacket water temperature gauge

Service meter, electric

Tachometer

## **LUBE SYSTEM**

Crankcase breather, top mounted

Oil cooler

Oil filler

Oil dipstick

Oil pump

Oil filter, cartridge type with RH service

Shallow oil pan

Fumes disposal (not installed)

## **MOUNTING SYSTEM**

Rails, mounting, engine length, 254 mm (10 in), industrial-type, C-channel.

Included on selected top level engines

## **POWER TAKE OFF**

Accessory drive, upper RH

Front housing, single sided

## **PROTECTION SYSTEM**

Junction box

Manual shutoff, RH

Safety shutoff protection, energized to shutdown

Low oil pressure, low idle 69 kPa (10 psi); high idle 207 kPa (30 psi)

Water temperature

Overspeed

3161 governor solenoid energized to shutdown

## **STARTING SYSTEM**

Starting switch

## **GENERAL**

Vibration damper

Lifting eyes

Paint: Caterpillar yellow, with optional colors available at request



