

# PRODUCT SPECIFICATIONS FOR 3512

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## POWER RATING

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<b>Maximum Power</b>	1119 kW
<b>Maximum Torque</b>	6210 Nm @ 1400 rpm
<b>Rated Speed</b>	1200-1800 rpm
<b>Minimum Power</b>	761 kW

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## EMISSION STANDARDS

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<b>Emissions</b>	Non-Certified
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## GENERAL

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<b>Engine Configuration</b>	V-12, 4-Stroke-Cycle Diesel
<b>Bore</b>	170 mm
<b>Stroke</b>	190 mm
<b>Displacement</b>	51.8 l
<b>Compression Ratio</b>	13.0:1
<b>Aspiration</b>	Turbocharged Aftercooled
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Aftertreatment</b>	-

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## ENGINE DIMENSIONS - APPROXIMATE

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<b>Length</b>	2676 mm
<b>Width</b>	1704 mm

**Height** 1720 mm

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**Weight - Net Dry - Basic Operating Engine  
Without Optional Attachments** 6078 kg

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## 3512 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. 00 flywheel

183 flywheel teeth

SAE No. 00 flywheel housing

### FUEL SYSTEM

Fuel filter, with service indicators, cartridge type with RH service

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.

## 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