

PRODUCT SPECIFICATIONS FOR 3508

POWER RATING

Maximum Power	746 kW
Maximum Torque	4263 Nm @ 1450 rpm
Rated Speed	1200-1800 rpm
Minimum Power	507 kW

EMISSION STANDARDS

Emissions	Non-Certified
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GENERAL

Engine Configuration	V-8, 4-Stroke-Cycle Diesel
Bore	170 mm
Stroke	190 mm
Displacement	34.5 l
Compression Ratio	13.0:1
Aspiration	Turbocharged Aftercooled
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-

ENGINE DIMENSIONS - APPROXIMATE

Length	2136 mm
Width	1703 mm

Height 1720 mm

**Weight - Net Dry - Basic Operating Engine
Without Optional Attachments** 4309 kg

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

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