

PRODUCT SPECIFICATIONS FOR 3512B



Maximum Power	1231 kW
Maximum Torque	7180 Nm @ 1450 rpm
Rated Speed	1800 rpm
Minimum Power	1119 kW
Emissions	Non-Certified
Engine Configuration	V-12, 4-Stroke-Cycle Diesel
Bore	170 mm
Stroke	190 mm
Displacement	51.8 l
Aspiration	Turbocharged Aftercooled
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-
Length	3067 mm
Width	1785 mm
Height	1806 mm

3512B 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

