

PRODUCT SPECIFICATIONS FOR 3512



Maximum Power	1193 kW
Rated Speed	1460-1750 rpm
Minimum Power	1066 kW
Emissions	Non-Certified. Available for global non-regulated areas. Not FM Approved. Not UL Listed
Engine Configuration	V-12, 4-Stroke-Cycle Diesel
Bore	170 mm
Stroke	190 mm
Displacement	34.5 l
Compression Ratio	13.0:1
Aspiration	Turbocharged Aftercooled (TA)
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-
Length	2890 mm
Height	1743 mm
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	6350 kg

3512 STANDARD EQUIPMENT

AIR INLET SYSTEM

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

Turbocharger, rear mounted

Jacket water aftercooled

CONTROL SYSTEM

Charging alternator 24 volt, 35 amp

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

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

