

PRODUCT SPECIFICATIONS FOR 3512C



Maximum Power	1120 kW
Maximum Torque	7130 Nm @ 1500 rpm
Rated Speed	1800 rpm
Minimum Power	1120 kW
Emissions	U.S. EPA Tier 2 Equivalent
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	1319 mm

© 2014 Caterpillar Inc. All rights reserved. CAT, the CAT logo, and 3512C are trademarks of Caterpillar Inc. in the United States and other countries. 3512C 3067 mm

3512C STANDARD EQUIPMENT

AIR INLET SYSTEM

Air to Air Aftercooled (ATAAC)

Two turbochargers, rear mounted

CONTROL SYSTEM

Electronic Engine Control, RH

COOLING SYSTEM

Thermostats and housing

Gear driven centrifugal jacket water pump

Connections for radiator cooling

EXHAUST SYSTEM

Exhaust manifold, dry

Two turbochargers with watercooled bearings

Two exhaust outlets, 203 mm (8 in) round flange

FLYWHEELS AND FLYWHEEL HOUSING

SAE No. 00 flywheel (183 teeth)

SAE No. 00 flywheel housing

FUEL SYSTEM

Fuel filter, LH spin-on type

Fuel transfer pump

Electronically controlled unit injectors

INSTRUMENTATION

No standard instrument or gauge panel

LUBE SYSTEM

Crankcase breather, top mounted

Oil cooler

Oil filler and dipstick, LH

Oil pump

Oil filter, LH, spin-on type

Oil pan

MOUNTING SYSTEM

Trunnion front support

POWER TAKE OFF

Front housing, two sided

PROTECTION SYSTEM

ECM monitoring system to provide customer programmable engine

Deration strategies to protect against adverse operating conditions

Emergency stop logic inputs provided at 40 pin customer interface connection

STARTING SYSTEM

Dual 24V electric starting motor

GENERAL

Vibration damper

Lifting eyes

Paint: Caterpillar yellow

