

PRODUCT SPECIFICATIONS FOR 3516C



Maximum Power	1506 kW
Maximum Torque	10254 Nm @ 1300 rpm
Rated Speed	1750 rpm
Minimum Power	1506 kW
Emissions	U.S. EPA Tier 2 Nonroad Equivalent Emission Standards (Not Currently EPA Certified)
Engine Configuration	V-16, 4-Stroke-Cycle Diesel
Bore	170 mm
Stroke	215 mm
Displacement	78 l
Compression Ratio	14.7:1
Aspiration	Turbocharged Aftercooled
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-
Length	3278 mm
Width	1530 mm

Height

2062 mm

Weight - Net Dry - Basic Operating Engine Without Optional Attachments

7840 kg

3516C STANDARD EQUIPMENT

AIR INLET SYSTEM

Air to Air Aftercooled (ATAAC)

Four turbochargers, center mounted

CONTROL SYSTEM

ADEM A4 ECM Electronic Engine Control, RH (10 amp DC power required)

COOLING SYSTEM

Thermostats and housing

Gear driven centrifugal jacket water pump

Connections for radiator cooling

EXHAUST SYSTEM

Exhaust manifold, dry

Four 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

Front sump oil pan, 500-hour change interval

MOUNTING SYSTEM

Trunnion front support

POWER TAKE OFF

Front housing, two-sided

PROTECTION SYSTEM

ADEM A4 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, LH, unwired

GENERAL

Paint: Caterpillar yellow

Vibration damper

Lifting eyes

