

Product Specifications For 3516C



Power Rating

Maximum Power	2100 HP
Maximum Torque	7563 lb-ft @ 1300 rpm
Rated Speed	1750 rpm
Minimum Power	2100 HP

Emission Standards

Emissions	U.S. EPA Tier 2 Nonroad Equivalent Emission Standards (Not Currently EPA Certified)
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General

Engine Configuration	V-16, 4-Stroke-Cycle Diesel
Bore	6.7 in
Stroke	8.5 in
Displacement	4760 in ³
Compression Ratio	14.7:1
Aspiration	Turbocharged Aftercooled
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-

Engine Dimensions - Approximate

Length	129.1 in
Width	60.2 in

Height

81.2 in

Weight - Net Dry - Basic Operating Engine Without Optional Attachments

17284 lb

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