

PRODUCT SPECIFICATIONS FOR 3516E



Maximum Power	1566 kW
Maximum Torque	11220 Nm @ 1200 rpm
Rated Speed	1650 rpm
Minimum Power	1566 kW
Emissions	U.S. EPA Tier 4 Final, EU Stage V
Engine Configuration	V-16
Bore	170 mm
Stroke	215 mm
Displacement	78 l
Compression Ratio	16.5:1
Aspiration	Turbocharged Aftercooled (TTA)
Combustion System	MEUI
Rotation from Flywheel End	Counterclockwise
Aftertreatment	SCR
Length	3105 mm

Width 1616 mm

Height 2108 mm

Weight - Net Dry - Basic Operating Engine Without Optional Attachments 8176 kg

Length 2350 mm

Width 2008 mm

Height 809 mm

Weight 1079 kg

3516E STANDARD EQUIPMENT

AIR INLET SYSTEM

Four turbochargers, centre mounted

Air-to-Air Aftercooled (ATAAC)

CONTROL SYSTEM

Electronic engine control

EXHAUST SYSTEM

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

Exhaust manifold, dry

Four turbochargers with watercooled bearings

COOLING SYSTEM

Gear-driven centrifugal jacket water pump

Connections for radiator cooling

Thermostats and housing

FLYWHEELS AND FLYWHEEL HOUSING

Flywheel housing, SAE No. 0 or SAE No. 00

Flywheel, SAE No. 18 or SAE No. 21

SAE standard rotation

FUEL SYSTEM

Fuel filter, LH spin-on type

Fuel transfer pump

Electronically controlled unit injectors

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

GENERAL

Paint: Caterpillar yellow, with optional colors available at request

Vibration damper

Lifting eyes

