

Product Specifications For C15



Power Rating

Maximum Power	444 kW
Maximum Torque	2717 Nm @ 1400 rpm
Rated Speed	1800-2100 rpm
Minimum Power	328 kW

Emission Standards

Emissions	China Nonroad III, U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent
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Engine Dimensions - Approximate

Length	1377 mm
Width	919 mm
Height	1226 mm
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	1469 kg

General

Engine Configuration	Inline 6, 4-Stroke-Cycle Diesel
Bore	137 mm
Stroke	171 mm
Displacement	15.2 l
Compression Ratio	18.0:1
Aspiration	Turbocharged Aftercooled (TA)

Combustion System

Direct Injection

Rotation from Flywheel End

Counterclockwise

Aftertreatment

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C15 Standard Equipment

Air Inlet System

Turbocharged

Air-to-Air Aftercooled

Control System

Electronic governing, PTO speed control

Programmable ratings

Automatic altitude compensation

Power compensation for fuel temperature

Programmable low and high idle and total engine limit

Electronic diagnostics and fault logging

Engine monitoring system SAE J1939 broadcast and control

ADEM™ A4 Electronic Control Unit (ECU)

Cooling System

Thermostats and housing, vertical outlet

Jacket water pump, centrifugal

Water pump, inlet

Exhaust System

Exhaust manifold, dry

Optional exhaust outlet

Flywheels And Flywheel Housing

SAE No. 1 flywheel housing

Fuel System

MEUI injection

Fuel filter, secondary (2 micron)

Fuel filter, tertiary (2 micron)

ACERT™ Technology

Fuel transfer pump

Fuel priming pump

Lube System

Crankcase breather
Oil cooler
Oil filler
Lube oil filter
Front sump oil pan
Oil dipstick
Gear driven oil pump

General

Vibration damper
Lifting eyes
Cold start capability to -20° C (-4° F)
Paint: Caterpillar yellow, with optional colors available at request