

PRODUCT SPECIFICATIONS FOR C7

POWER RATING

Maximum Power	224 kW
Rated Speed	1800-2200 rpm
Minimum Power	168 kW

EMISSION STANDARDS

Emissions	China Stage II, U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent
------------------	--

GENERAL

Engine Configuration	Inline 6, 4-Stroke-Cycle Diesel
Bore	110 mm
Stroke	127 mm
Displacement	7.2 l
Compression Ratio	16.2:1
Aspiration	Turbocharged Aftercooled (TA)
Combustion System	Direct Injection
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-

ENGINE DIMENSIONS - APPROXIMATE

Length	1053 mm
---------------	---------

Width	758 mm
Height	1032 mm
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	588 kg

C7 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

HEUI™ injection

Fuel filter, secondary (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