

# PRODUCT SPECIFICATIONS FOR C7

<b>Maximum Power</b>	300 HP
<b>Rated Speed</b>	1800-2200 rpm
<b>Minimum Power</b>	225 HP
<b>Emissions</b>	China Stage II, U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent
<b>Engine Configuration</b>	Inline 6, 4-Stroke-Cycle Diesel
<b>Bore</b>	4.3 in
<b>Stroke</b>	5 in
<b>Displacement</b>	442 in <sup>3</sup>
<b>Compression Ratio</b>	16.2:1
<b>Aspiration</b>	Turbocharged Aftercooled (TA)
<b>Combustion System</b>	Direct Injection
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Aftertreatment</b>	-
<b>Length</b>	41.5 in
<b>Width</b>	29.8 in
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**Height**

40.6 in

**Weight - Net Dry - Basic Operating Engine Without Optional Attachments**

1296 lb

## **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**

HFIJ™ injection

ACERT™ 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

