

# Product Specifications For C1.7



## Power Rating

Maximum Power	48 HP
Maximum Torque	122 lb-ft @ 1600 rpm
Rated Speed	2800 rpm

## Emission Standards

Emissions	EU Stage V, U.S. EPA Tier 4 Final
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## General

Engine Configuration	In-Line 3
Bore	3.3 in
Stroke	3.9 in
Displacement	103.7 in <sup>3</sup>
Compression Ratio	17.0:1
Aspiration	Turbocharged (T)
Combustion System	Direct Injection
Rotation from Flywheel End	Counterclockwise
Aftertreatment	DOC+DPF

## Engine Dimensions - Approximate

Length	28.1 in
Width	21.1 in

**Height**

28.4 in

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

419 lb

## C1.7 Standard Equipment

### Air Inlet System

Standard air cleaner  
Turbocharger

### Control System

Alternator 12 volt 85 amp  
Starter motor 12 volt  
Glow plug starting aid  
Electronic control unit  
Flexible and configurable software features and well supported SAE J1939 CAN bus enables highly integrated machines  
All connectors and wiring harness are waterproof and designed to withstand harsh non-road environments  
Robust reliable sensors

### Cooling System

Belt-driven coolant pump  
Coolant temperature switch  
Choice of cooling fans  
Fan drive options

### Flywheel & Flywheel Housing

Flywheel and flywheel housing options

### Fuel System

Electronic 2000 bar common rail fuel system  
Spin-on fuel filter  
Simple pintle nozzle injectors

### Lube System

Spin on oil filter  
Lube oil pressure switch  
Sump options for various applications

### Power Take Off (PTO)

SAE A PTO drive

### General

Cast iron, engine block  
Cast iron exhaust manifold options  
Paint: Caterpillar yellow, with optional colors available at request

Induction manifold options  
Engine mounting  
Block heater provision

## **Aftertreatment/Clean Emissions Control Equipment**

Diesel Oxidation Catalyst (DOC)  
Diesel Particulate Filter (DPF)