

# PRODUCT SPECIFICATIONS FOR C9.3



<b>Maximum Power</b>	298 kW
<b>Maximum Torque</b>	1719 Nm @ 1400 rpm
<b>Rated Speed</b>	1800-2200 rpm
<b>Minimum Power</b>	224 kW
<b>Emissions</b>	U.S. EPA Tier 4 Final
<b>Engine Configuration</b>	In-Line 6
<b>Bore</b>	115 mm
<b>Stroke</b>	149 mm
<b>Displacement</b>	9.3 l
<b>Compression Ratio</b>	17.0:1
<b>Aspiration</b>	Turbocharged-Aftercooled (TA)
<b>Combustion System</b>	Direct Injection
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Length</b>	1150 mm
<b>Width</b>	1025 mm
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<b>Height</b>	1123 mm
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<b>Weight - Net Dry - Basic Operating Engine Without Optional Attachments</b>	885 kg
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<b>Length</b>	926 mm
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<b>Width</b>	870 mm
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<b>Height</b>	570 mm
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<b>Weight</b>	470 kg
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<b>Length</b>	854 mm
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<b>Width</b>	287 mm
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<b>Height</b>	551 mm
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<b>Weight</b>	19.4 kg
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<b>Volume Capacity</b>	48.4 l
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## **C9.3 STANDARD EQUIPMENT**

### **AIR INLET SYSTEM**

Turbocharged

Air-to-Air Aftercooled

Mid-mount turbocharged system with front and rear exhaust configurations (Tier 4 Final, Stage IV)

### **CONTROL SYSTEM**

Electronic control system

Over-foam wiring harness

Automatic altitude compensation

Power compensated for fuel temperature

Configurable software features

Engine monitoring system SAE J1939 broadcast and control

Integrated Electronic Control Unit (ECU)

Remote fan control

### **COOLING SYSTEM**

Vertical or RH thermostat outlet

Centrifugal water pump

Guidance on cooling system design available through your dealer to ensure equipment reliability

### **FLYWHEELS AND FLYWHEEL HOUSING**

Dual rear PTO configuration

Available SAE No. 1 power take off with optional SAE A, SAE B or SAE C power take off drives. Engine power can also be taken from the front of the engine with optional attachments. (Tier 4 Final, Stage IV).

### **FUEL SYSTEM**

Electronic high pressure common rail

Primary fuel filter

Secondary fuel filters

Fuel transfer pump

Electronic fuel priming

### **LUBE SYSTEM**

Open crankcase ventilation system

Oil cooler

Oil filler

Lube oil filter

Oil dipstick

Gear driven oil pump

Choice of front, rear or center sumps

Open crankcase ventilation system with fumes disposal (optional OCV filter system) (Tier 4 Final, Stage IV)

### **POWER TAKE OFF (PTO)**

SAE A, SAE B or SAE C power take off (PTO) drives. Engine power can also be taken from the front of the engine on some applications.

## **GENERAL**

Paint: Caterpillar yellow, with optional colors available at request

Vibration damper

Lifting eyes

## **U.S. EPA TIER 4 INTERIM, EU STAGE IIIB AFTERTREATMENT / CLEAN EMISSIONS CONTROL EQUIPMENT**

Clean Emissions Module (CEM), consisting of Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC)

NOx Reduction System (NRS)

Flex pipe connection kit with 90° rotatable elbows to attach to Cat Regeneration System Inlet

Available in 12 volt or 24 volt systems

## **U.S. EPA TIER 4 FINAL, EU STAGE IV AFTERTREATMENT/ CLEAN EMISSIONS CONTROL EQUIPMENT**

Clean Emissions Module (CEM), consisting of Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC)

Aftertreatment Electronic Control Unit (ECU)

NOx Reduction System (NRS)

Pump Electronic Control Unit (PETU)

Selective Catalytic Reduction (SCR)

Available in 12V or 24V systems

