

PRODUCT SPECIFICATIONS FOR C13



Maximum Power	388 kW
Maximum Torque	2381 Nm @ 1400 rpm
Rated Speed	1800-2100 rpm
Minimum Power	287 kW
Emissions	U.S. EPA Tier 4 Final
Engine Configuration	In-Line 6
Bore	130 mm
Stroke	157 mm
Displacement	12.5 l
Compression Ratio	17.0:1
Aspiration	Turbocharged-Aftercooled (TA)
Combustion System	Direct Injection
Rotation from Flywheel End	Counterclockwise
Aftertreatment	DOC+DPF+SCR
Length	1274 mm

Width	994 mm
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Height	134 mm
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Weight - Net Dry - Basic Operating Engine Without Optional Attachments	1143 kg
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Length	1059 mm
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Width	1049 mm
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Height	654 mm
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Weight	259 kg
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Length	854 mm
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Width	287 mm
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Height	551 mm
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Weight	19.4 kg
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Volume Capacity	48.4 l
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C13 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

SAE No. 1 flywheel housing

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

MEUI injection

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

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

Cat Regeneration System

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

Cat Regeneration System

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

