

PRODUCT SPECIFICATIONS FOR C1.7



Maximum Power	30 kW
Maximum Torque	125 Nm @ 1800 rpm
Rated Speed	2800 rpm
Minimum Power	25 kW
Emissions	U.S. EPA & CARB Tier 4 Final
Engine Configuration	In-Line 3
Bore	84 mm
Stroke	100 mm
Displacement	1.7 l
Compression Ratio	18.0:1
Aspiration	Turbocharged (T)
Combustion System	Direct Injection
Rotation from Flywheel End	Counterclockwise
Aftertreatment	DOC
Length	640 mm

Width 545 mm

Height 736 mm

Weight - Net Dry - Basic Operating Engine Without Optional Attachments 190 kg

Length 408 mm

Weight 5.8 kg

Diameter 155 mm

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

U.S. EPA TIER 4 FINAL AFTERTREATMENT/CLEAN EMISSIONS CONTROL EQUIPMENT

Diesel Oxidation Catalyst (DOC)

