

PRODUCT SPECIFICATIONS FOR C27



Maximum Power	783 kW
Maximum Torque	4674 Nm @ 1200 rpm
Rated Speed	1800 rpm
Minimum Power	597 kW
Emissions	U.S. EPA Tier 4 Final
Engine Configuration	V-12
Bore	137.2 mm
Stroke	152.4 mm
Displacement	27 l
Compression Ratio	16.0:1
Aspiration	Twin Turbocharged-Aftercooled (TTA)
Combustion System	Direct Injection
Rotation from Flywheel End	Counterclockwise
Aftertreatment	DOC
Length	1874 mm

Width 1600 mm

Height 1370 mm

Weight - Net Dry - Basic Operating Engine Without Optional Attachments 3004 kg

C27 STANDARD EQUIPMENT

AIR INLET SYSTEM

Turbocharged

Air-to-Air Aftercooled

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

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

Choice of SAE No. 0 or SAE No. 1 flywheel housing

FUEL SYSTEM

MEUI injection

Fuel filter, secondary (2 micron)

Fuel transfer pump

Electronic fuel priming

LUBE SYSTEM

Open crankcase ventilation system

Oil cooler

Oil filler

Lube oil filter

Rear sump oil pan

Oil dipstick

Gear driven oil pump

GENERAL

Paint: Caterpillar yellow, with optional colors available at request

Vibration damper

Lifting eyes

