



Image shown may not reflect actual engine

CATERPILLAR® ENGINE SPECIFICATIONS

I-6, 4-Stroke-Cycle Diesel

Bore	105 mm (4.1 in.)
Stroke	127 mm (5.0 in.)
Displacement	6.6 L (402.8 in ³)
Aspiration	Turbocharged Air-to-Air Aftercooled
Compression Ratio	16.2:1
Combustion System	Direct Injection
Rotation (from flywheel end)	Counterclockwise
Cooling System	Water
Engine Weight, Net Dry (approximate)	709 kg (1563 lbs.)

FEATURES

Emissions

Meets Tier 3, Stage IIIA emissions requirements. Tier 3 refers to EPA (U.S.) standards. Stage IIIA refers to European standards.

Reliable and Durable Power

Diesel tough components and conservative speed for smooth operation and long engine life. Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities.

High Performance

The new C6.6 ACERT™ engine boasts considerable increases to delivered power, torque, and noise reduction.

Easy Low-Cost Maintenance

The C6.6 ACERT maintains Tier 3, Stage IIIA fuel economy. Service intervals are set at 500 hours as standard.

Web Site

For additional information on all your power requirements, visit www.cat-industrial.com.

STANDARD ENGINE EQUIPMENT

Air Inlet

Mounted air filter and turbocharger

Control System

Alternator — 12V or 24V
Starter motor — 12V or 24V
Glow plug starting aid

Cooling System

Fan — pusher or puller
Fan drive
Radiator
Water pump

Flywheels and Flywheel Housing

SAE No. 2 or SAE No. 3 flywheel housing

Power Take Off

Front PTO — SAE A (142 N•m/105 lb-ft)
or *SAE B (280 N•m/207 lb-ft)

Fuel System

Cat® Common Rail Fuel System
Fuel filter

Lube System

Oil cooler and filter
Timing case oil filler

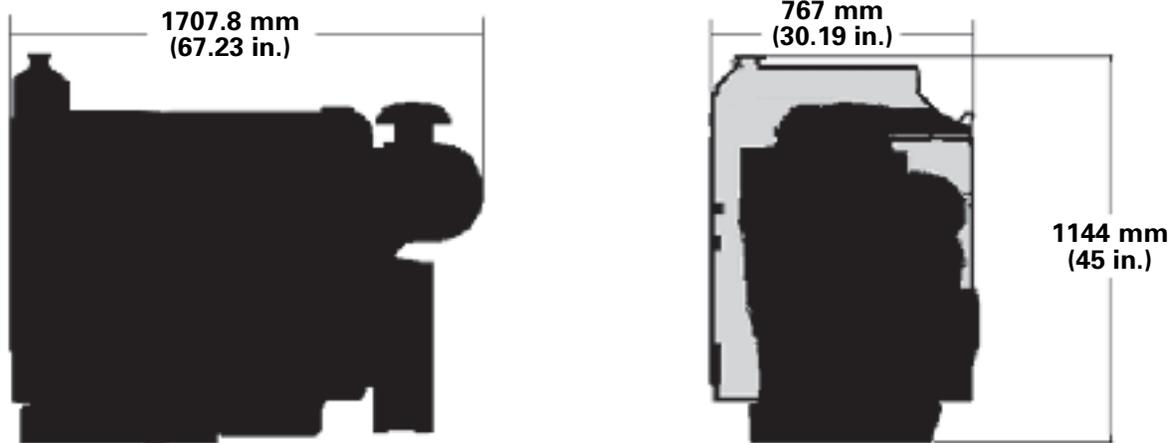
IOPU FEATURED OPTIONS

The C6.6 ACERT IOPU range offers a wide choice of standard build specifications to meet specific customer needs.

- 12- or 24-volt alternator
- Pusher or puller fan
- SAE A (142 N•m/105 lb-ft) or *SAE B (280 N•m/207 lb-ft) front PTO
- Air compressor

*SAE B provides 63 kW (83 bhp)

DIMENSIONS



Length	*1707.8 mm (67.23 in.)
Width	767 mm (30.19 in.)
Height	1144 mm (45 in.)

*Includes fitted air cleaner.

Rating	Net Intermittent kW (bhp)	Max. Torque Intermittent N·m (lb-ft)	Fuel Consumption l/hr (gal/hr)
129 (173) @ 2200	121 (162.2)	693 (511)	35.8 (9.5)
129 (173) @ 2500	116.5 (156.2)	695 (512.6)	38.5 (10.2)
151 (202) @ 1800	143 (191.8)	922 (680)	41.4 (10.9)
151 (202) @ 2200	140.5 (188.4)	922 (680)	43.6 (11.5)
168 (225) @ 2200	157 (210.5)	986 (727.2)	46.6 (12.3)

RATING DEFINITIONS AND CONDITIONS

IND-C (Intermittent) is the horsepower and speed capability of the engine where maximum power and/or speed are cyclic (time at full load not to exceed 50%).

Additional ratings are available for specific customer requirements. Consult your Caterpillar dealer.

Rating Conditions for Diesel Engines — up to 6.6 liter are based on ISO/TR14396, inlet air standard conditions with a total barometric pressure of 100 kPa (29.5 in. Hg), with a vapor pressure of 1 kPa (.295 in. Hg), and 25°C (77°F). Performance is measured using fuel to specification EPA 2D 89.330-96 with a density of 0.845-0.850 kg/L @ 15°C (59°F) and fuel inlet temperature 40°C (104°F).