



The Cat® C6.6 ACERT™ Industrial Power Unit is offered in ratings ranging from 129.5-168 kW (173.7-225.3 bhp) @ 1800-2500 rpm. These ratings meet U.S. EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Conveniently pre-configured for a wide range of applications, the Cat® Industrial Power Unit is a complete power package containing a radiator, flywheel, alternator and alternator wiring completely pre-assembled for fast, straightforward installation in a number of OEM, customer and packager applications. These fuel efficient units are ready made for irrigation, industrial, mining and other pump applications.

Specifications

Power Rating		
Minimum Rating	129.5 kW	173.7 bhp
Maximum Rating	168 kW	225 bhp
Rated Speed	2200 rpm	

Emission Standards	
Emissions	U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent

General	
Engine Configuration	Inline 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 Aftercooled (TA)
Compression Ratio	16.2:1
Combustion System	Direct Injection
Rotation (from flywheel end)	Counterclockwise

Power Unit Dimensions (Approximate. Final dimensions dependent on selected options)	
Length	1708 mm (67.23 in)
Width	767 mm (30.2 in)
Height	1144 mm (45 in)
Weight - Net Dry (Standard configuration without oil, cooling, clutch, compressor, A/C)	709 kg (1563 lb)

Benefits and Features

Emissions



Meets U.S. EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Available using U.S. EPA Flexibility or EU Flexibility, and for other regulated and non-regulated areas.

Reliable, Quiet and Durable Power

World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life.

High Performance

With maximum torque levels maintained, this engine provides class-leading power take-off capability.

Low Cost Maintenance

Worldwide service delivers ease of maintenance and simplifies the servicing routine. Hydraulic tappets, multi-vee belts, "no ash service" aftertreatment, and 500-hour oil change intervals enable low-cost maintenance. Many service items have a choice of location on either side of the engine to enable choice of service access. The S·O·SSM program is available from your Cat dealer to determine oil change intervals and provide optimal performance.

Quality

Every Cat engine is manufactured to stringent quality standards in order to assure customer satisfaction.

World-class Product Support Offered Through Global Cat Dealer Network

- Scheduled maintenance, including SOSSM sample
- Customer Support Agreements (CSA)
- Caterpillar Extended Service Coverage (ESC)
- Superior dealer service network
- Extended dealer service network through the Cat Industrial Service Distributor (ISD) program

Standard Equipment**Air Inlet System**

- Mounted air filter and turbocharger

Control System

- Alternator 12 volt 14 amp
- Starter motor 12 volt
- Glow plug starting aid

Cooling System

- Fan (pusher or puller)
- Fan drive
- Radiator
- Water pump

Flywheels and Flywheel Housing

- Choice of SAE No. 2 or SAE No. 3 flywheel housing

Fuel System

- Electronic high pressure common rail
- ACERT™ Technology
- Innovative filter design to ensure maximum protection of the engine



Lube System

- Oil cooler
- Lube oil filter
- Timing case oil filler

Power Take Off (PTO)

- SAE A or SAE B front PTO (142/280 NM)

General

- Paint: Caterpillar yellow, with optional colors available at request

The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, EUI, S-O-S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.