



Image shown may not reflect actual configuration

The Cat® C3.6 Industrial Diesel Engines offer the perfect balance of compact size, reliability, and performance. This engine is offered in ratings ranging up to 100 kW (134 bhp) @ 2200 rpm. The C3.6 is designed to meet the needs of many industries and applications, including agricultural tractors, aircraft ground support, bore/drill rigs, chippers/grinders, compactors/rollers, compressors, forestry, irrigation equipment, material handling, mining, earthmoving equipment, paving equipment, pumps, fruit harvesters, turf and underground mining equipment.

Specifications

Power Rating		
Minimum Power	55 kW	74 bhp
Maximum Power	100 kW	134 bhp
Rated Speed	2000-2400 rpm	
Maximum Torque	550 Nm (406 lb-ft) @ 1500 rpm	

Emission Standards	
Emissions	U.S. EPA Tier 4 Final EU Stage V Japan 2014

Engine Specifications		
Engine Configuration	In-Line 4, 4-Stroke-Cycle Diesel	
Bore	98 mm	3.9 in
Stroke	120 mm	4.7 in
Displacement	3.6 L	220.9 in ³
Aspiration	Turbocharged-Aftercooled (TA)	
Compression Ratio	17:1	
Combustion System	Direct Injection	
Rotation (from flywheel end)	Counterclockwise	
Cooling System Capacity	6.5 L	6.86 qts

Engine Dimensions (Approximate. Final dimensions dependent on selected options.)		
Length (rear of flywheel housing to front of fan pulley)	667 mm	26.26 in
Width	564 mm	22.2 in
Height	787 mm	30.98 in
Dry Weight (basic operating engine without optional attachments)	373 kg	822 lb

Benefits & Features

Emissions

- U.S. EPA Tier 4 Final
- EU Stage V
- Japan 2014

Reliable, Quiet and Durable Power

World-class manufacturing capability and processes coupled with proven technologies and extensive field validation assure reliability and durability in tough nonroad applications.

High Performance

Leading edge fuel systems and turbocharging provide high torque even at lower engine speeds.

Fuel Efficiency

Fuel consumption optimized to match the measured operating cycles of a wide range of equipment types.

Fuel & Oil

US EPA Tier 4 Final and EU Stage V engines require Ultra Low Sulfur Diesel (ULSD) fuel containing a maximum of 10 ppm sulfur (EU) or 15 ppm sulfur (U.S.), and new oil formulations to support the new technology. Your Cat dealer can provide more information regarding fuel and oil.

Broad Application Range

Industry-leading range of factory configurable ratings and options for agricultural, material handling, construction, mining, aircraft ground support, and other industrial applications.

Low Cost Maintenance

Worldwide service delivers ease of maintenance and simplifies the servicing routine. Capable of optimal oil change intervals of 500 hours. 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 S•O•S sample
- Customer Support Agreements (CSA)
- Extended Service Coverage (ESC)
- Superior dealer service network
- Extended dealer service network through the Cat Industrial Service Distributor (ISD) program

U.S. EPA Tier 4 Final, EU Stage V Aftertreatment Features

Technology – The DOC, DPF, and SCR technology provides customers with a solution that meets the emissions standards while providing optimal fuel consumption and transient response. For power ratings below 56 kW (75 bhp), the SCR is not required.

Mounting – On engine aftertreatment offered for best value and simplest OEM design and manufacturing processes. Remote mount alternatives are also available.

Standard Equipment

Control System

- Starter motor (12 or 24V)
- Alternator (12 or 24V)
- Electronic Control Unit (chassis mounted)
- Engine control sensors and robust wiring harness
- Data interface via CANbus SAE J1939

Flywheels and Flywheel Housing

- Flywheel housings – SAE 3 or SAE 4
- Choice of flywheel to match industry common hydraulic pumps and transmissions
- Side PTO with SAE A or SAE B interface

Fuel System

- Fuel filter – chassis mounted
- With water sensor

Lube System

- Lubricating oil filters
- High incline oil pan: 35° continuous in all directions

General

- Cold start capability to -25°C (-13°F) with standard equipment
- Paint: Caterpillar Yellow, with optional colors available at request

Aftertreatment

- Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF)
- Selective Catalytic Reduction (SCR) (not required <56kW)

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