



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 90 kW (121 bhp) @ 2400 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 equipment, turf and underground mining equipment.

Specifications

Power Rating		
Maximum Power	90 kW	121 HP
Maximum Torque	500 Nm @ 1500 rpm	369 lb-ft @ 1500 rpm
Minimum Power	55 kW	74 HP
Rated Speed	2200-2400 rpm	

Emission Standards	
Emissions	U.S. EPA Tier 3 Nonroad Equivalent Emission Standards (Not Currently EPA Certified). EU Stage IIIA Nonroad Equivalent Emission Standards (Non-Current for EU).

General		
Engine Configuration	Inline 4, 4-Stroke-Cycle Diesel	
Bore	98 mm	3.9 in
Stroke	120 mm	4.7 in
Aspiration	Turbocharged Aftercooled (TA)	
Displacement	3.6 l	220 in ³
Compression Ratio	17.0:1	
Combustion System	Direct Injection	
Rotation from Flywheel End	Counterclockwise	

Engine Dimensions - Approximate		
Height	787 mm	31 in
Width	564 mm	22.2 in
Length	667 mm	26.3 in
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	381 kg	840 lb

Benefits and Features

Emissions

Meets China Nonroad Stage III Emission Standards, U.S. EPA Tier 3 Nonroad Equivalent Emission Standards (Not Currently EPA Certified). Note: Not for sale in the U.S. (not certified to current EPA emissions standards), EU Stage IIIA Nonroad Equivalent Emission Standards (Non-Current for EU). Note: Not for sale in the EU (does not meet current emissions standards)

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

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 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

Control System

- Starter motor (12V or 24V)
- Alternator (12V or 24V)
- Electronic Control Unit (chassis mounted)
- Engine control sensors and robust wiring harness
- Data interface via CANbus 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 - preconnected but chassis mounted
- With water sensor

Lube System

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

General

- Cold start capability to -20° C (-4° F)
- 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.