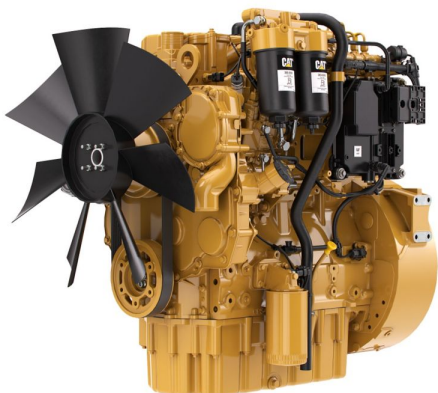




The Cat® C4.4 ACERT Industrial Diesel Engine is offered in ratings ranging from 61.5-106 bkW (74.5-100 bhp) @ 2200 rpm. These ratings meet EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Industries and applications powered by C4.4 ACERT engines include: Agriculture, Aerial Lifts, Aircraft Ground Support, Bore/Drill Rigs, Chippers/Grinders, Compactors/Rollers, Compressors, Construction, Cranes, Crushers, Feller Bunchers, Forestry, Forklifts, General Industrial, Harvesters, Hydraulic Power Units, Irrigation Equipment, Loaders/Forwarders, Material Handling, Mining, Mobile Earthmoving Equipment, Mobile Sweepers, Paving Equipment, Pumps, Skidders, Specialty Ag Equipment, Sprayers, Trenchers, Turf and Landscaping and Underground Mining Equipment.

Specifications

Power Rating		
Minimum Power	61.5 bkW	82.5 bhp
Maximum Power	106 bkW	142 bhp
Rated Speed	2200 rpm	

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

General	
Engine Configuration	Inline 4, 4-Stroke-Cycle Diesel
Bore	105 mm (4.13 in)
Stroke	127 mm (5.0 in)
Displacement	4.4 L (269 in³)
Aspiration	Turbocharged (T) or Turbocharged Aftercooled (TA)
Compression Ratio	16.2:1
Combustion System	Direct Injection
Rotation (from flywheel end)	Counterclockwise
Lube System (refill)	11 L (11.6 qt)

Engine Dimensions (Approximate. Final dimensions dependent on selected options)	
Length	631 mm (24.8 in)
Width	626 mm (24.65 in)
Height	823.5 mm (32.4 in)
Weight, Net Dry (Basic Operating Engine Without Optional Attachments)	360 kg (793.7 lb)

Benefits and Features

Emissions

Designed to meet China Nonroad III emission standards. 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.

Fuel Efficiency

Fuel consumption optimized to match operating cycles of a wide range of equipment and applications while maintaining low operating costs.

Fuel & Oil

Tier 4 Interim or Tier 4 Final, Stage IIIB or Stage IV engines require Ultra Low Sulfur Diesel (ULSD) fuel containing a maximum of 15 ppm sulfur, and new oil formulations to support the new technology. Cat® engines are designed to accommodate B20 biofuel. 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.

Package Size

Ideal for equipment with narrow engine compartments. Multiple installation options minimize total package size.

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

- Inlet manifold with choice of inlets.

Control System

- Alternator
- Starter motor
- Glow plug starting aid

Cooling System

Flywheels and Flywheel Housing

- SAE No. 3 flywheel housing
- Flywheel and starter rings

Fuel System

- Fuel filter positions

Lube System

- Lubricating oil filters and breathers
- Oil filter positions
- Lube oil sump

Power Take Off

- SAE B Power Take Off (PTO)

General

- Paint: Caterpillar yellow, with optional colors available at request
- Timing case and gear-driven auxiliaries
- Belt-driven auxiliaries
- Engine mountings
- Gauges
- Displays
- Power and torque curve tailoring

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.