



The Cat® C4.4 Naturally Aspirated (NA) Industrial Diesel Engine is offered in ratings ranging from 54-56 kW (72.4-75 bhp) @ 2200 rpm. These ratings meet EU Stage IIIA equivalent emission standards. Turbocharged (T) and Turbocharged Aftercooled (TA) Ratings are also available, ranging from 55.5-83 kW (74.4-111.3 bhp) @ 2200-2400 rpm. These ratings meet U.S. EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Industries and applications powered by C4.4 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	54 kW	72.4 bhp
Maximum Power	83 kW	111.3 bhp
Rated Speed	2200-2400 rpm	

Emission Standards	
Emissions	EU Stage IIIA Equivalent (NA). U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent (T, TA)

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 in ³)
Aspiration	Naturally Aspirated (NA), 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	663 mm (26.1 in)
Width	470-620 mm (18.5-24.4 in)

Height	775-810 mm (30.5-31.9 in)
Weight, Net Dry (Basic Operating Engine Without Optional Attachments)	291-306 kg (640-674.6 lb)

Benefits and Features

Emissions

Naturally Aspirated rating meets EU Stage IIIA equivalent emission standards. Turbocharged rating meets EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards.

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.

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
- Control Panel
- Glow plug starting aid

Cooling System

- Top tank temperature 108° C (226° F) as standard to minimize cooling pack size
- 50:50 water glycol mix

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

- Timing case and gear-driven auxiliaries
- Belt-driven auxiliaries
- Engine mountings
- Gauges
- Displays
- Power and torque curve tailoring
- 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.