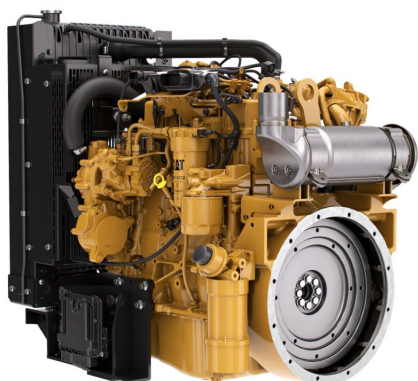




The Cat® C3.4B Industrial Power Unit is offered at 55.4 bkW (74.3 bhp) @ 2200 rpm, which meets U.S. EPA Tier 4 Final, EU Stage IIIB nonroad emission standards. Conveniently pre-configured for a wide range of applications, the Cat Industrial Power Unit is a complete power package containing a radiator, 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 Power	55.4 bkW	74 bhp
Maximum Power	55.4 bkW	74 bhp
Rated Speed	2200	

Emission Standards	
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage IIIB nonroad standards

General	
Engine Configuration	In-Line 4, 4-Stroke-Cycle Diesel
Bore	99 mm (3.9 in)
Stroke	110 mm (4.3 in)
Displacement	3.4 L (207.5 in³)
Aspiration	Turbocharged
Compression Ratio	17:1
Rotation (from flywheel end)	Counterclockwise

Power Unit Dimensions (Approximate. Final dimensions dependent on selected options)	
Length	1242 mm (48.9 in)
Width	705 mm (27.7 in)
Height	957 mm (37.6 in)
Weight - Approximate, Net Dry (Standard configuration without oil, cooling, clutch, compressor, A/C)	359 kg (791.5 lb)

Aftertreatment Dimensions (Approximate. Final dimensions dependent on selected options)

Diameter	149 mm (5.8 in)
Weight	509 mm (20 in)
Length	509 mm (20 in)

Benefits And Features

Emissions

Ratings less than 55 bkW/74 bhp meet U.S. EPA Tier 4 Final, EU Stage IIIB nonroad 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.

High Performance

Leading-edge technology provides significant improvements in power, torque, fuel consumption and response. Technology includes single smart wastegated turbo systems, durable high pressure common rail technology, and closed circuit breathing system.

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.

Low Cost Maintenance

Worldwide service delivers ease of maintenance and simplifies the servicing routine. Capable of optimal oil change intervals of 500 hours. Service-free through-flow diesel particulate filter (DPF) for Tier 4 Final, Stage IIIB. 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

Tier 4 Final, Stage IIIB Aftertreatment Features

Technology and Power. The Diesel Particulate Filter (DPF) technology chosen performs through the work cycle of the engine, allowing it to work efficiently. Engine performance has been optimized to provide maximum power, and the emissions module is invisible to the operator in most duty cycles. **Mounting.** Multiple off and on installation options provide customers with simple and flexible solutions for many applications. **Service.** Through-flow DPF is service-free for the emissions life of the engine.

Standard Equipment

Air Inlet System

- Standard air cleaners

Control System

- Full electronic control system
- Fully integrated, engine-mounted electronic control unit
- Waterproof connectors and wiring looms
- Flexible and configurable software features and J1939 standard communications I/O

Flywheels and Flywheel Housing

- SAE3 configuration

Fuel System

- Engine-mounted fuel filters
- Electronic high pressure common rail fuel pump and injectors

Lube System

- Lubricating oil filters and breathers

General

- Cold start capability to -20° C (-4° F)
- Paint: Caterpillar yellow, with optional colors available at request

U.S. EPA Tier 4 Final, EU Stage IIIB Aftertreatment/Clean Emissions Control Equipment

- Through Flow Diesel Particulate Filter (DPF)
- Diesel Oxidation Catalyst (DOC)
- Flex pipe connection kit with straight and 90° options for flexibility

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.