



The Cat® C3.4B Industrial Power Unit is offered at 75-86 kW (100-115 bhp), which meets U.S. EPA Tier 4 Final, EU Stage IV 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	74.5 kW	100 BHP
Maximum Power	86 kW	115 BHP
Rated Speed	2200	

Emission Standards	
Emissions	U.S. EPA Tier 4 Final, EU Stage IV nonroad emission standards. U.S. EPA Tier 4 Interim Equivalent or EU Stage IIIB Equivalent ratings also available using EPA or EU Flex Provisions.

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 in ³)
Aspiration	Turbocharged Aftercooled (TA)
Compression Ratio	17:1
Rotation from Flywheel End	Counterclockwise

Power Unit Dimensions - Approximate	
Length	1252 mm (49.3 in)
Height	1033 mm (40.7 in)
Width	705 mm (27.7 in)
Weight - Approximate, Net Dry - Standard Configuration Without Oil, Cooling, Clutch, Compressor, A/C	407 kg (897 lb)

Aftertreatment Dimensions - Approximate	
DOC Diameter	196 mm (7.7 in)
DOC Length	320 mm (12.6 in)
SCR Weight	20 kg (44 lb)
DOC Weight	15 kg (33 lb)
SRC Length	520 mm (20.47 in)
SCR Diameter	251 mm (9.88 in)

Benefits and Features

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.

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

- 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 IV Aftertreatment/Clean Emissions Control Equipment

- Diesel Oxidation Catalyst (DOC)
- Selective Catalytic Reduction (SCR)
- SCR Auxiliaries are available in a range of tanks and heated lines

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.