



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

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