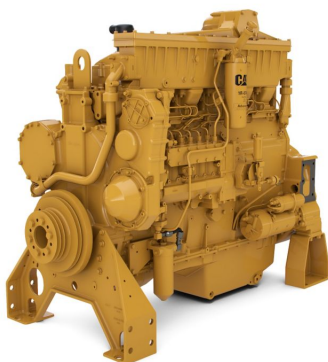




The Cat® 3406C Industrial Diesel Engine is offered in ratings ranging from 298-347 bkW (400-465 bhp) @ 1800-2100 rpm and is available for global non-regulated areas. Industries and applications powered by 3406C engines include: Agriculture, Ag Tractors, Aircraft Ground Support, Bore/Drill Rigs, Chippers/Grinders, Combines/Harvesters, Compactors/Rollers, Compressors, Construction, Cranes, Crushers, Dredgers, Forestry, General Industrial, Hydraulic Power Units, Irrigation Equipment, Loaders/Forwarders, Material Handling, Mining, Mobile Earthmoving Equipment, Paving Equipment, Pumps, Shovels/Draglines, Specialty Ag Equipment, Surface Hauling Equipment, Trenchers and Underground Mining Equipment.

## Specifications

| Power Rating  |               |         |
|---------------|---------------|---------|
| Minimum Power | 280 bkW       | 375 bhp |
| Maximum Power | 347 bkW       | 465 bhp |
| Rated Speed   | 1800-2100 rpm |         |

| Emission Standards |               |
|--------------------|---------------|
| Emissions          | Non-Certified |

| General                      |                                 |
|------------------------------|---------------------------------|
| Engine Configuration         | Inline 6, 4-Stroke-Cycle Diesel |
| Bore                         | 137.2 mm (5.4 in)               |
| Stroke                       | 165.1 mm (6.5 in)               |
| Displacement                 | 14.64 L (893.39 in³)            |
| Aspiration                   | Turbocharged Aftercooled        |
| Compression Ratio            | 14.5:1                          |
| Rotation (from flywheel end) | Counterclockwise                |
| Lube System (refill)         | 34.1 L (36 qt)                  |

| Engine Dimensions (Approximate. Final dimensions dependent on selected options) |                    |
|---------------------------------------------------------------------------------|--------------------|
| Length                                                                          | 1660 mm (65.35 in) |
| Width                                                                           | 906 mm (35.67 in)  |
| Height                                                                          | 1335 mm (52.56 in) |
| Weight, Net Dry (Basic Operating Engine Without Optional Attachments)           | 1300 kg (2866 lb)  |

## Benefits and Features

### Emissions

Non-certified rating. Available for global 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.

### **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.

### **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**

- Air cleaner. Regular duty, dry, panel type with service indicators, turbocharger, jacket water aftercooled.

### **Control System**

- Hydra-mechanical governor

### **Cooling System**

- Thermostats and housing
- Jacket water pump, centrifugal

### **Exhaust System**

- Exhaust manifold, dry
- Exhaust elbow, dry, 152 mm (6 in), 4 bolt flange

### **Flywheels and Flywheel Housing**

- SAE No. 1 flywheel
- SAE No. 1 flywheel housing
- SAE standard rotation

### **Fuel System**

- Fuel filter, LH
- Fuel transfer pump
- Fuel priming pump

### **Instrumentation**

- Instrument panel, LH

- Engine oil pressure gauge
- Fuel pressure gauge
- Water temperature gauge
- Service meter

#### **Lube System**

- Crankcase breather
- Oil cooler
- Lube oil filter
- Oil filler in valve cover and dipstick, both RH
- Rear sump oil pan

#### **Mounting System**

- Supports

#### **General**

- Vibration damper
- Lifting eyes
- 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.