



The Cat® 3406C Industrial Diesel Engine is offered in ratings ranging from 298-347 kW (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		
Maximum Power	347 kW	465 HP
Maximum Torque	2172 Nm @ 1350 rpm	1602 lb-ft @ 1350 rpm
Rated Speed	1800-2100 rpm	
Minimum Power	280 kW	375 HP

Emission Standards	
Emissions	Non-Certified

General		
Engine Configuration	Inline 6, 4-Stroke-Cycle Diesel	
Bore	137 mm	5.4 in
Stroke	165 mm	6.5 in
Displacement	14.6 l	893.4 in <sup>3</sup>
Compression Ratio	14.5:1	
Aspiration	Turbocharged Aftercooled	
Rotation from Flywheel End	Counterclockwise	
Aftertreatment	-	

Engine Dimensions - Approximate		
Length	1660 mm	65.4 in
Width	906 mm	35.7 in
Height	1335 mm	52.6 in
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	1300 kg	2866 lb

## 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.

### **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

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## **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

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