



The Cat® 3406C Industrial Diesel Fire Pump Engine is offered in ratings ranging from 218-359 bkW (292-482 bhp) @ 1750-2300 rpm. These ratings are non-certified and available for global non-regulated areas. They are FM Approved and UL Listed. Additional 3406C ratings with or without radiators are available, but not FM approved or UL listed. Starting on demand is a must for a fire pump engine - always. Cat® fire pump engines have a reputation for reliable starts and long efficient service.

## Specifications

Power Rating		
Minimum Power	218 bkW	292 BHP
Maximum Power	359 bkW	482 BHP
Rated Speed	1750-2300 rpm	

Emission Standards	
Emissions	Non-Certified. Available for global non-regulated areas. FM Approved, UL Listed

General	
Engine Configuration	Inline 6, 4-Stroke-Cycle Diesel
Bore	137.2 mm (5.4 in)
Stroke	165.1 mm (6.5 in)
Displacement	14.6 L (893 in³)
Aspiration	Turbocharged Aftercooled
Compression Ratio	14.5:1
Rotation from Flywheel End	Counterclockwise
Cooling System - Capacity	32.2 L (34 qt)
Lube System - Refill	34.1 L (36 qt)

## 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.

### 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**

- Dry or watercooled manifold and turbocharger

#### **Charging System**

- Charging Alternator, 24 volt, 35 amp

#### **Control System**

- Hydra-mechanical governor

#### **Cooling System**

- Thermostats and housing
- Jacket water pump, gear driven, centrifugal
- Heat exchanger
- Expansion tank
- FM Required Raw Water Cooling Loops: 1.5" iron, horizontal or vertical, 1.5" 316 stainless steel, horizontal or vertical
- Optional Radiator, not UL listed or FM approved

#### **Exhaust System**

- Exhaust manifold, water-cooled (wet) or 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
- Primary fuel filter / water separator

#### **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
- Oil filler in valve cover
- Dipstick

#### **Mounting System**

- Supports

#### **Power Take-Offs**

- Flywheel stub shaft

#### **Protection System**

- Stop-Start System, automatic (compatible with NFPA 20 requirements, able to be energized from either of two battery sources and capable of manual starter actuation)

#### **General**

- Vibration damper and guard
- Lifting eyes
- Paint - fire pump red, optional radiator painted black

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