



The Cat® 3406C Industrial Diesel Fire Pump Engine is offered in ratings ranging from 218-359 kW (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 kW	292 BHP
Maximum Power	359 kW	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

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.