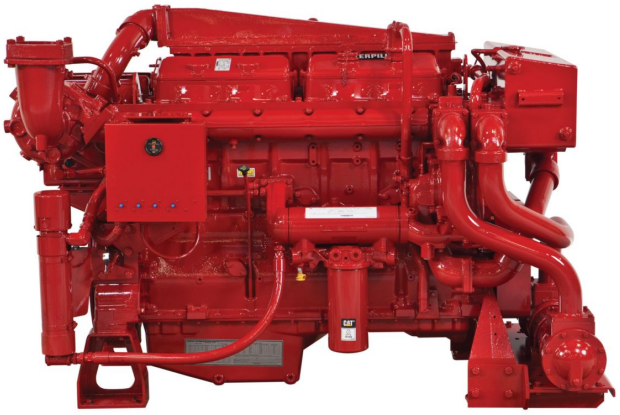
Cat® 3412C Fire Pump

Industrial



Cat® 3412C Industrial Diesel Fire Pump Engines, with ratings: 476-551 bkW (638-739 bhp) @ 1750-2100 rpm, are non-certified and are available for global non-regulated areas. They are not FM Approved and not 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. The Cat line of fire engine pumps covers a wide range of installations.

Specifications

Power Rating		
Minimum Power	476 bkW	638 BHP
Maximum Power	551 bkW	739 BHP
Rated Speed		1750-2100 rpm

Emission Standards	
Emissions	Non-Certified. Available for global non-regulated areas. Not FM Approved, Not UL Listed

General	
Engine Configuration	V-12, 4-Stroke-Cycle Diesel
Bore	137.2 mm (5.4 in)
Stroke	152.4 mm (6.0 in)
Displacement	27 L (1648 in³)
Aspiration	Turbocharged Aftercooled (TA)
Compression Ratio	14.5:1
Rotation from Flywheel End	Counterclockwise

Engine Dimensions - Approximate	
Height	1413.2 mm (55.6 in)
Length	1999.8 mm (78.7 in)
Weight - Approximate, Net Dry (Basic Operating Engine Without Optional Attachments)	2579 kg (5686 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.

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 with service indicators
- Turbocharged

Cooling System

- Thermostats and housing
- Jacket water pump, centrifugal
- Heat exchanger installed
- Expansion tank

Control System

- Charging alternator 24 volt, 35 amp
- Governor control
- Hydra-mechanical governor

Exhaust System

- Exhaust manifold
- Exhaust elbow, dry. 203 mm (8 in) on all Turbocharged engines and Turbocharged Aftercooled with wet exhaust. 152 mm (6 in) on Turbocharged Aftercooled with dry manifolds.

Flywheels & Flywheel Housings

- SAE No. 0 flywheel
- SAE No. 0 flywheel housing
- SAE standard rotation

Fuel System

- Fuel filter
- Fuel transfer pump
- Primary fuel filter
- Fuel priming pump

Instrumentation

- Instrument panel, LH
- Engine oil pressure gauge
- Fuel pressure gauge

- Water temperature gauge
- Tachometer

Lube System

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

Mounting System

- Supports

Power Take Off

- Power take-off (PTO) 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)

Starting System

- 24 volt, LH electric starting motor
- Jacket water heater (6 kW, 240-480 volt)

General

- Paint: Firepump Red
- Vibration damper and guard
- Lifting eyes

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.