



Cat® 3512 Industrial Diesel Fire Pump Engines, with ratings: 1066-1193 bkW (1430-1600 bhp) @ 1460-1750 rpm, are non-certified, not FM Approved, and not UL Listed. They are available for global non-regulated areas. 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	1066 bkW	1430 BHP
Maximum Power	1193 bkW	1600 BHP
Rated Speed	1460-1750 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	170 mm (6.7 in)
Stroke	190 mm (7.5 in)
Displacement	34.5 L (2105 in³)
Aspiration	Turbocharged Aftercooled (TA)
Compression Ratio	13.0:1
Rotation from Flywheel End	Counterclockwise

Engine Dimensions - Approximate	
Height	1743.1 mm (68.6 in)
Length	2890.4 mm (113.8 in)
Weight - Approximate, Net Dry (Basic Operating Engine Without Optional Attachments)	6350 kg (13999 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 SOSM 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.
- Turbocharger, rear mounted
- Jacket water aftercooled

#### **Control System**

- Charging alternator 24 volt, 35 amp
- Governor, RH, 3161 with self contained synthetic oil sump
- Air-fuel ratio control
- Mechanical speed control, without torque control
- Governor control
- Positive locking

#### **Cooling System**

- Thermostats and housing
- Jacket water pump, centrifugal

#### **Exhaust System**

- Exhaust manifold, dry

#### **Flywheels and Flywheel Housing**

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

#### **Fuel System**

- Fuel filter, with service indicators, cartridge type with RH service
- Fuel transfer pump

#### **Instrumentation**

- Instrument Panel, RH
- Engine oil pressure gauge
- Fuel pressure gauge
- Oil filter differential gauge

- Jacket water temperature gauge
- Service meter, electric
- Tachometer

#### **Lube System**

- Crankcase breather, top mounted
- Oil cooler
- Oil filler
- Oil dipstick
- Oil pump
- Oil filter, cartridge type with RH service
- Shallow oil pan
- Fumes disposal (not installed)

#### **Mounting System**

- Rails, mounting, engine length, 254 mm (10 in), industrial-type, C-channel.
- Included on selected top level engines

#### **Power Take Off**

- Accessory drive, upper RH
- Front housing, single sided

#### **Protection System**

- Junction box
- Manual shutoff, RH
- Safety shutoff protection, energized to shutdown
- Low oil pressure, low idle 69 kPa (10 psi); high idle 207 kPa (30 psi)
- Water temperature
- Overspeed
- 3161 governor solenoid energized to shutdown

#### **Starting System**

- Starting switch

#### **General**

- Vibration damper
- Lifting eyes
- Paint: Caterpillar yellow, with optional colors available at request

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