



The Cat® C32 Industrial Diesel Engine is offered in ratings ranging from 708-1007 kW (950-1350 bhp) @ 1800-2100 rpm. These ratings meet U.S. EPA Tier 2 equivalent emission standards. Industries and applications powered by these high power engines include Bore/Drill Rigs, Chippers/Grinders, Construction, Cranes, Dredgers, Forestry, Hydraulic Power Units, General Industrial, Irrigation Equipment, Material Handling, Mobile Earthmoving Equipment, Paving Equipment, Pumps, Shovels/Draglines, Surface Hauling Equipment and Trenchers.

### Specifications

Power Rating		
Maximum Power	1007 kW	1350 HP
Maximum Torque	6166 Nm @ 1400 rpm	4548 lb-ft @ 1400 rpm
Rated Speed	1800-2100 rpm	
Minimum Power	708 kW	950 HP

Emission Standards	
Emissions	U.S. EPA Tier 2 Equivalent

General		
Engine Configuration	V-12, 4-Stroke-Cycle Diesel	
Bore	145 mm	5.7 in
Stroke	162 mm	6.4 in
Displacement	32.1 l	1958.9 in <sup>3</sup>
Compression Ratio	16.5:1	
Aspiration	Turbocharged Aftercooled (TA)	
Combustion System	Direct Injection	
Rotation from Flywheel End	Counterclockwise	
Aftertreatment	-	

Engine Dimensions - Approximate		
Length	1917 mm	75.5 in
Width	1479 mm	58.2 in
Height	1319 mm	51.9 in
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	2946 kg	6495 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.

### 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.

### Package Size

Exceptional power density enables standardization across numerous applications. Multiple installation options minimize total package size. Ideal for equipment with narrow engine compartments.

### 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

- Twin Turbocharged Aftercooled
- Air-to-Air Aftercooled

### Control System

- Electronic governing, PTO speed control
- Programmable ratings
- Automatic altitude compensation
- Power compensation for fuel temperature
- Programmable low and high idle and total engine limit
- Electronic diagnostics and fault logging
- Engine monitoring system SAE J1939 broadcast and control
- ADEM™ A4 Electronic Control Unit (ECU)

### Cooling System

- Thermostats and housing, vertical outlet
- Jacket water pump, centrifugal
- Water pump, inlet

### Exhaust System

- Exhaust manifold, dry
- Optional exhaust outlet

### Flywheels and Flywheel Housing

- SAE No. 1 flywheel housing

### Fuel System

- MEUI injection

- Fuel filter, secondary (2 micron)
- ACERT™ Technology
- Fuel transfer pump
- Fuel priming pump

**Lube System**

- Crankcase breather
- Oil cooler
- Oil filler
- Lube oil filter
- Front sump oil pan
- Oil dipstick
- Gear driven oil pump

**General**

- Vibration damper
- Lifting eyes
- Cold start capability to -20° C (-4° F)
- Paint: Caterpillar yellow, with optional colors available at request

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