



The Cat® C32 ACERT™ Industrial Diesel Engine is offered in ratings ranging from 746-895 bkW (1000-1200 bhp) @ 1800 rpm. These ratings meet U.S. EPA Tier 4 Final emission standards. Applications powered by C32 ACERT 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		
Minimum Power	746 bkW	1000 BHP
Maximum Power	895 bkW	1200 BHP
Rated Speed	1800 rpm	

Emission Standards	
Emissions	U.S. EPA Tier 4 Final

General	
Engine Configuration	V-12, 4-Stroke-Cycle Diesel
Bore	145 mm (5.71 in)
Stroke	162 mm (6.38 in)
Displacement	32.1 L (1958.9 in³)
Aspiration	Twin Turbocharged Aftercooled (TTA)
Compression Ratio	15.0:1
Combustion System	Direct Injection
Rotation from Flywheel End	Counterclockwise
Cooling System - Capacity	67.9 L (71.7 qt)
Lube System - Refill	68 L (71.9 qt)

Engine Dimensions - Approximate	
Height	1370 mm (53.9 in)
Length	1874 mm (73.78 in)
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	3004 kg (6625 lb)
Width	1600 mm (63 in)

## **Benefits and Features**

### **Emissions**

Meets U.S. EPA Tier 4 Final emission standards.

### **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.

### **High Performance**

Simple and efficient dual turbochargers -- 1 per bank.

### **Fuel Efficiency**

Fuel consumption optimized to match operating cycles of a wide range of equipment and applications while maintaining low operating costs.

### **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**

- Turbocharged
- Air-to-Air Aftercooled

### **Control System**

- Electronic control system
- Over-foam wiring harness
- Automatic altitude compensation
- Power compensated for fuel temperature
- Configurable software features
- Engine monitoring system SAE J1939 broadcast and control

### **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**

- Choice of SAE No. 0 or SAE No. 1 flywheel housing

#### **Fuel System**

- MEUI injection
- Fuel filter, secondary (2 micron)
- Electronic fuel priming

#### **Lube System**

- Open crankcase ventilation system
- Oil cooler
- Oil filler
- Lube oil filter
- Rear sump oil pan
- Oil dipstick
- Gear driven oil pump

#### **General**

- Paint: Caterpillar yellow, with optional colors available at request

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