



The Cat® 3516C is offered at 1506 kW (2100 bhp) @ 1750 rpm. This engine is available using EPA (U.S.) Flex provisions and for other global regulated and non-regulated areas. It offers unsurpassed performance and durability in a multitude of industries and applications, including Bore and Drill Rigs, Chippers, Grinders, and Shredders, Cranes, Dredgers, Forestry, Material Handling, Mining and Pumps.

## Specifications

Power Rating		
Maximum Power	1506 kW	2100 HP
Maximum Torque	10254 Nm @ 1300 rpm	7563 lb-ft @ 1300 rpm
Rated Speed	1750 rpm	
Minimum Power	1506 kW	2100 HP

Emission Standards	
Emissions	U.S. EPA Tier 2 Nonroad Equivalent Emission Standards (Not Currently EPA Certified)

General		
Engine Configuration	V-16, 4-Stroke-Cycle Diesel	
Bore	170 mm	6.7 in
Stroke	215 mm	8.5 in
Displacement	78 l	4760 in <sup>3</sup>
Compression Ratio	14.7:1	
Aspiration	Turbocharged Aftercooled	
Rotation from Flywheel End	Counterclockwise	
Aftertreatment	-	

Engine Dimensions - Approximate		
Length	3278 mm	129.1 in
Width	1530 mm	60.2 in
Height	2062 mm	81.2 in
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	7840 kg	17284 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.

### **Fuel Efficiency**

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

### **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**

- Air to Air Aftercooled (ATAAC)
- Four turbochargers, center mounted

### **Control System**

- ADEM A4 ECM Electronic Engine Control, RH (10 amp DC power required)

### **Cooling System**

- Thermostats and housing
- Gear driven centrifugal jacket water pump
- Connections for radiator cooling

### **Exhaust System**

- Exhaust manifold, dry
- Four turbochargers with watercooled bearings
- Two exhaust outlets, 203 mm (8 in) round flange

### **Flywheels and Flywheel Housing**

- SAE No. 00 flywheel (183 teeth)
- SAE No. 00 flywheel housing

### **Fuel System**

- Fuel filter, LH spin-on type
- Fuel transfer pump
- Electronically controlled unit injectors

### **Instrumentation**

- No standard instrument or gauge panel

### **Lube System**

- Crankcase breather, top mounted
- Oil cooler
- Oil filler and dipstick, LH
- Oil pump
- Oil filter, LH, spin-on type
- Front sump oil pan, 500-hour change interval

### **Mounting System**

- Trunnion front support

### **Power Take Off**

- Front housing, two-sided

### **Protection System**

- ADEM A4 ECM monitoring system to provide customer programmable engine
- Deration strategies to protect against adverse operating conditions
- Emergency stop logic inputs provided at 40 pin customer interface connection

### **Starting System**

- Dual 24V electric starting motor, LH, unwired

### **General**

- Paint: Caterpillar yellow
- Vibration damper
- Lifting eyes

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