



**C32 ACERT™**  
**Industrial Engine**  
Tier 2  
895 bkW/1200 bhp @ 2100 rpm

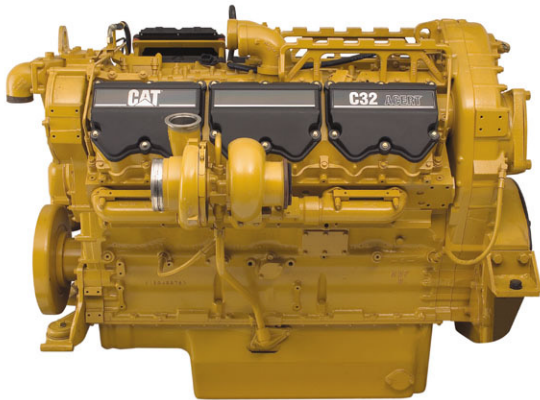


Image shown may not reflect actual engine

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## CAT® ENGINE SPECIFICATIONS

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### Vee 12 Cylinder, 4-Stroke-Cycle Diesel

Bore.....	145.0 mm (5.71 in)
Stroke.....	162.0 mm (6.38 in)
Displacement.....	32.1 L (1,958.86 in <sup>3</sup> )
Aspiration.....	Turbocharged Aftercooled
Compression Ratio.....	16.5:1
Rotation (from flywheel end).....	Counterclockwise
Weight, Net Dry (approximate kg. lb).....	2946 kg (6495 lb)

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## FEATURES

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### Emissions

Meets U.S. EPA Tier 2 emissions requirements.

### Worldwide Supplier Capability

Caterpillar  
- Casts engine blocks, heads, cylinder liners, and flywheel housings  
- Machines critical components  
- Assembles complete engine  
- Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities  
Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable product.

### Testing

Prototype testing on every model:  
- proves computer design  
- verifies system torsional stability  
- functionality tests every model

Every Caterpillar engine is dynamometer tested under full load to ensure proper engine performance.

### Full Range of Attachments

Wide range of bolt-on system expansion attachments, factory designed and tested.

### Unmatched Product Support Offered Through Worldwide Caterpillar Dealer Network

More than 1,800 dealer outlets  
Caterpillar factory-trained dealer technicians service every aspect of your industrial engine  
99.7% of parts orders filled within 24 hours worldwide  
Caterpillar parts and labor warranty  
Preventive maintenance agreements available for repair before failure options

Scheduled Oil Sampling program matches your oil sample against Caterpillar set standards to determine:

- internal engine component condition
- presence of unwanted fluids
- presence of combustion by-products

### Web Site

For all your industrial power requirements, visit [www.cat-industrial.com](http://www.cat-industrial.com).



## STANDARD ENGINE EQUIPMENT

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### **Air Inlet System**

Turbocharged Air to Air Aftercooled

### **Control System**

Electronic governing  
PTO speed control  
Programmable ratings  
Cold mode start strategy  
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  
J1939 Broadcast (diagnostic and engine status)  
ADEM™ A4

### **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 high performance)  
Fuel transfer pump  
Fuel priming pump  
ACERT™ Technology

### **Lube System**

Crankcase breather  
Oil cooler  
Oil filler  
Oil filter  
Oil pan front sump  
Oil dipstick  
Oil pump (gear driven)

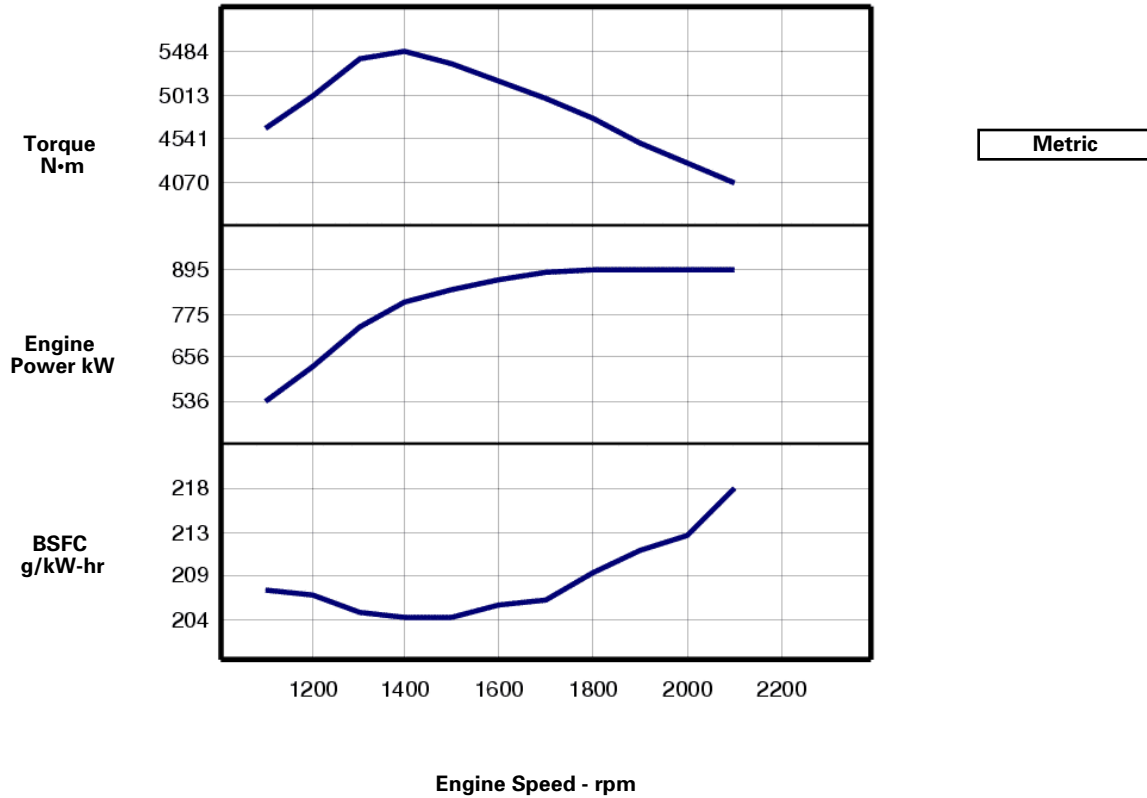
### **General**

Paint, Caterpillar Yellow  
Vibration damper  
Lifting eyes



**PERFORMANCE CURVES**

**IND - D - DM9032-00**

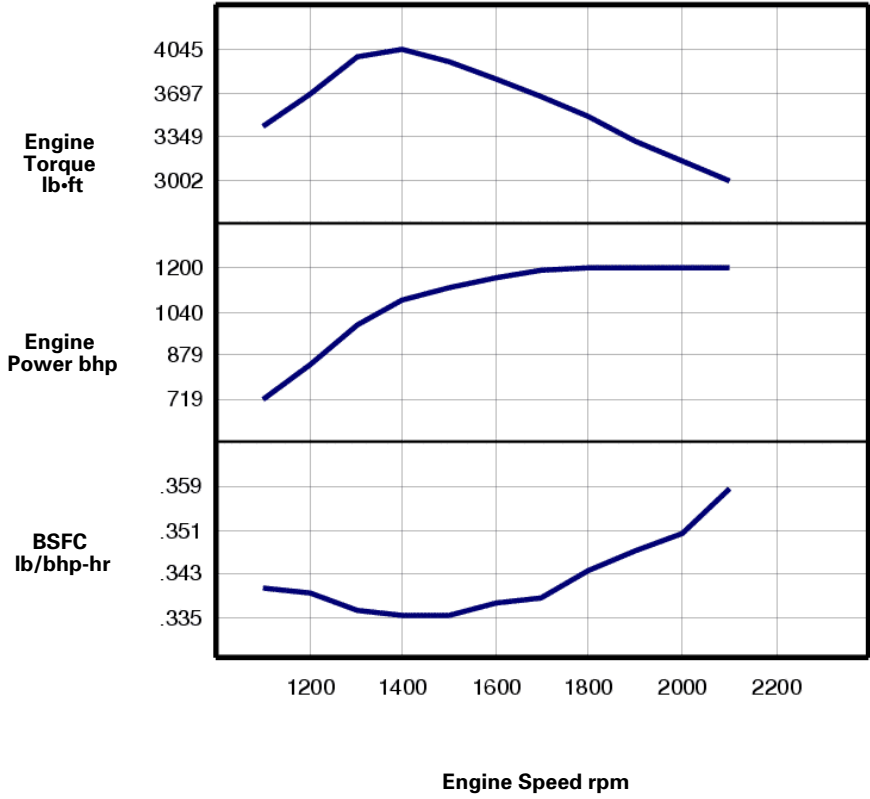


Engine Speed rpm	Engine Power kW	Torque N·m	BSFC g/kW-hr	Fuel Rate L/hr
2100	895	4070	218.1	232.6
2000	895	4273	213	227.3
1900	895	4498	211.3	225.5
1800	895	4748	208.9	222.9
1700	885	4971	206	217.3
1600	866	5169	205.3	211.9
1500	840	5348	204.1	204.4
1400	804	5484	204.1	195.6
1300	737	5414	204.6	179.7
1200	628	5000	206.4	154.6
1100	536	4654	207.1	132.3



**PERFORMANCE CURVES**

**IND - D - DM9032-00**



English

Engine Speed rpm	Engine Power bhp	Engine Torque lb-ft	BSFC lb/bhp-hr	Fuel Rate gal/hr
2100	1200	3002	.359	61.4
2000	1200	3152	.350	60.0
1900	1200	3318	.347	59.6
1800	1200	3502	.343	58.9
1700	1187	3666	.339	57.4
1600	1161	3812	.338	56.0
1500	1126	3944	.336	54.0
1400	1078	4045	.336	51.7
1300	988	3993	.336	47.5
1200	843	3688	.339	40.8
1100	719	3433	.340	34.9

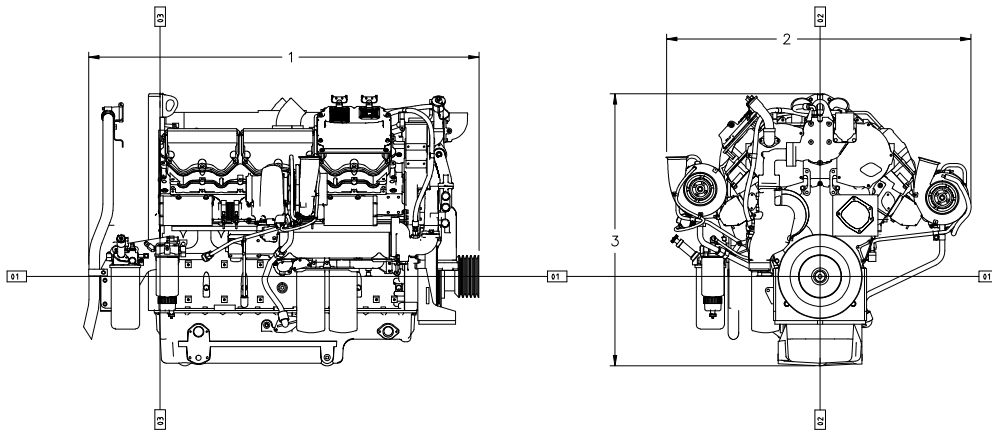


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**RATINGS AND CONDITIONS**

**IND - D** For service where maximum power is required for periodic overloads (time at full load not to exceed 10% of the duty cycle)..

**Engine Performance** Diesel Engines — 7 liter and higher  
All rating conditions are based on SAE J1995, inlet air standard conditions of 99 kPa (29.31 in. Hg) dry barometer and 25°C (77°F) temperature. Performance measured using a standard fuel with fuel gravity of 35° API having a lower heating value of 42,780 kJ/kg (18,390 btu/lb) when used at 29° C (84.2° F) with a density of 838.9 g/L.



Engine Dimensions	
(1) Length	See page Specifications for Dimensions
(2) Width	
(3) Height	

**Note: Do not use for installation design. See general dimension drawings for detail (Drawing # null ).**

Performance Number: DM9032-00  
Feature Code: C32DI09 Arr. Number: 3505525  
Materials and specifications are subject to change without notice.  
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