

C13D

Engine | 850-1,000 bhp (634-746 kW) | 2,300-2,923 lb-ft (2900-3963 Nm)



Get legendary Cat reliability and durability with high power density using the Cat® C13D Diesel Engines.

Based on decades of diesel engine innovation and expertise, these engines are designed for severe duty equipment and the most demanding environments and applications around the world.

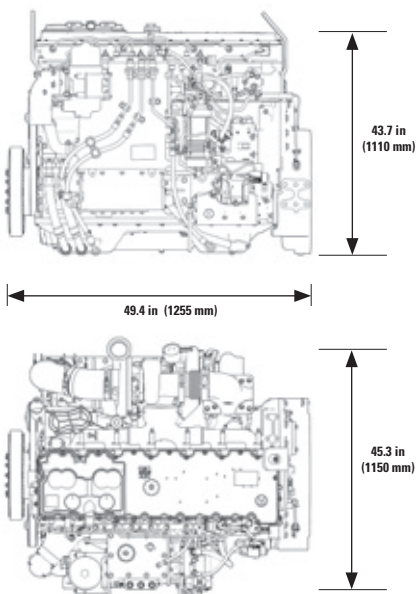
More importantly, they are backed by the Cat® global dealer network ready to keep missions moving anywhere in the world.

Built to Power:

Tracked/Wheeled IFVs

MBTs

Heavy Utility Trucks



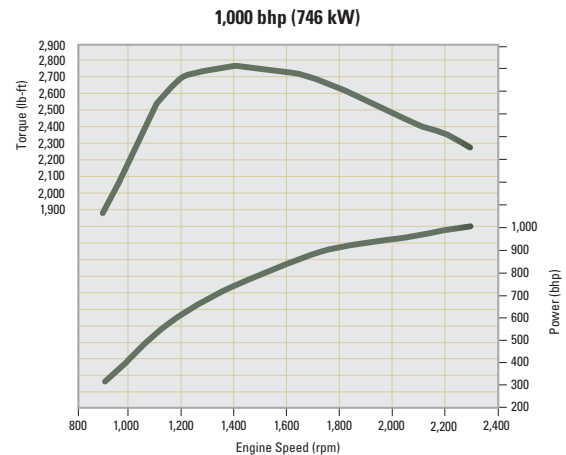
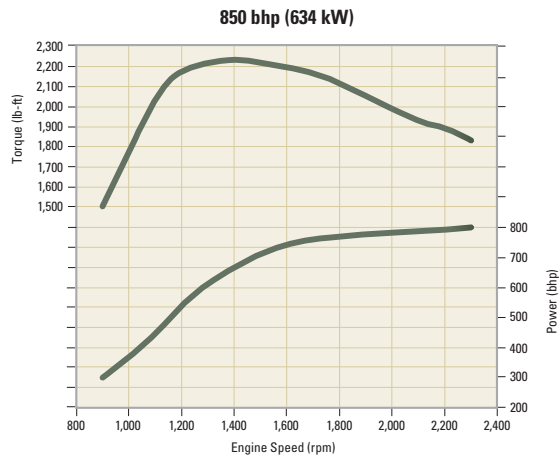
Dimensions include dry sump system

Specifications

Engine Configuration	In-line 6 Cylinder
Bore and Stroke (in/mm)	5.1 x 6.3 / 130 x 162
Displacement (in³/L)	787 / 12.9
Aspiration	Series Turbocharged and Aftercooled
Cycle	4 Stroke
Combustion System	Direct Injection
Compression Ratio	15:1
Rotation from Flywheel End	Counterclockwise
Oil Capacity (gal/L) w/dry sump system	13.5 / 51
Cooling System	Liquid
Coolant Capacity (gal/L)	3.8 / 14.2
Dry Weight (lb/kg)	3,270 / 1483



Superior torque for optimal performance. (based on SAE J1995)



Brake Power (bhp)	Speed (rpm)	Torque (lb-ft)	Speed (rpm)	Emission Level
850	2,300	2,300	1,400	Low BSFC & Euro III*
1,000	2,300	2,923	1,700	Unregulated

Standard Equipment

Air Inlet and Exhaust System

- Series sequential turbochargers
- Exhaust manifold, dry

Control System

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

Cooling System

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

Flywheels and Flywheel Housing

- SAE No. 1, No.2, or No. 3 flywheel housing

Fuel System

- Fuel filter, secondary
- ACERT™ Technology
- Fuel transfer pump

Lube System

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

General

- Vibration damper
- Lifting eyes

*Emits equivalent to Euro III. Does not meet current EU emission standards.