

# C13D DIESEL ENGINE

New - Products

C13D Diesel Engine

## At a glance data:

Maximum Power:	690hp
Maximum Torque:	2360lb-ft @ 1300 rpm
Rated Speed:	1800-2100 rpm
Minimum Power:	456hp



**Contact Sales**

## Overview

The Cat® C13D is a rugged and power-dense engine made for machines that continuously tackle tough jobs in industries including mining, construction, aircraft ground support, and more. Variants of this platform are suitable for countries with lesser off-road emission standards such as UN ECE R96 Stage IIIA and Brazil Mar-1. Furthermore, unregulated variants are ideal for countries without any off-road emission standards.

◆ Ask me anything...



**Category:****Industrial Diesel Engines**

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**Brand:****Cat**

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**Power Rating** ^

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Maximum Torque:	2360lb-ft @ 1300 rpm
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**Emission Standards** ^

Emissions:	UN ECE R96 Stage IIIA, Brazil Mar-1, Unregulated
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**General** ^

Engine Configuration:	In-Line 6
Bore:	5.1in
Stroke:	6.4in
Displacement:	787.2in <sup>3</sup>
Compression Ratio:	16.5:1
Aspiration:	Turbocharged-Aftercooled (TA)
Combustion System:	Direct Injection
Rotation from Flywheel End:	Counterclockwise

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**Engine Dimensions - Approximate** v

Length:	54in
Width:	38in
Height:	50in
Weight - Net Dry - Basic Operating Engine Without Optional Attachments:	2544lb

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# Standard Equipment

## Air Inlet System ▾

- Wastegated turbocharger
  - Air-to-Air Aftercooled
  - Front or rear exhaust configurations available
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## Control System ▾

- Automatic altitude compensation
  - Power compensated for fuel temperature
  - Configurable software features
  - Engine monitoring system SAE J1939 broadcast and control
  - Integrated Electronic Control Unit (ECU)
  - Remote fan control
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## Cooling System ▾

- Fluids module, which includes: water pump, oil cooler, top-service cartridge oil filter (optional), dual coolant thermostats, and single oil thermostat
  - Centrifugal water pump
  - Guidance on cooling system design available through your dealer to ensure equipment reliability
  - Remote oil filter variant of the fluids module available
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## Flywheels And Flywheel Housing ▾

- Multiple Flywheel Housing configurations, featuring a basic, standard and heavy duty PTO setup
  - Standard SAE No. 1 flywheel housing with SAE No. 14 or 140 flywheels
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## Fuel System ▾

- Common rail direct injection fuel system with zero-static leak injectors
  - Fuel module, which includes: primary and secondary cartridge filters, and a manual or electric priming pump
  - Remote fuel module available
  - Fuel manifold which allows for outboard or rearward fuel return-to-tank plumbing, as well as coolant supply
  - Oil-lubricated high pressure fuel and mechanical fuel transfer pump combination
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## Lube System ▾

- No-service-needed passive open crankcase ventilation filtration system built into the valve cover
  - No-mess service oil filter drainback feature built into fluids module
  - Oil filler
  - Oil level sensor
  - Oil dipstick
  - Gear-driven oil pump
  - Choice of front, rear or center sumps
  - Open crankcase ventilation system with fumes disposal
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## Power Take Off (Pto) ▾

- Up to 5 additional power take-offs: 2 rear facing (SAE B, C, or D), 2 forward-facing (SAE A or SAE B), and an additional low-mount forward-facing (SAE B)
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## General ▾

- Caterpillar yellow paint, with optional colors available on request
  - Vibration damper
  - Lifting eyes
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# Optional Equipment

