



# CATERPILLAR 3304 DIESEL ENGINE FOR DISASSEMBLY AND ASSEMBLY

A1

Product number

VIVV02-CAT

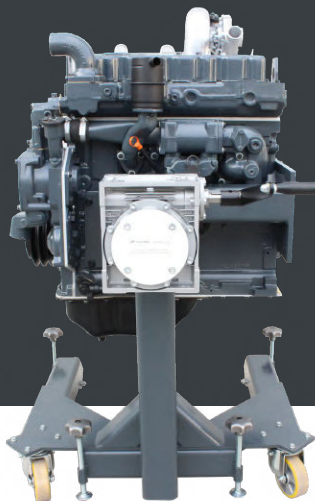


Caterpillar 3304 diesel industrial engine with displacement of 425 cu in (7.0 L) designed for practical experience in disassembly and assembly of engine. This in-line, 4-stroke-cycle diesel engine includes a turbocharger, direct injection system, and robust construction for long-lasting training applications. It is mounted on a stable, rotating stand, enabling 360-degree access for practical vocational training.



## Features

- Full Caterpillar 3304 7.0l 4-cylinder 4-stroke diesel industrial engine for disassembly and assembly.
- Turbocharged with direct injection for real-world industrial application training.
- Mounted on a 360-degree rotating stand for ease of access.





## Value for Students

- Practical skills in engine disassembly, assembly, and maintenance procedures essential for industrial diesel engines.
- Experience with components such as the turbocharger, direct injection system, and lubrication system.
- Understand key parameters like bore, stroke, displacement, and combustion process in direct injection engines.
- Analyze equipment such as alternators, tachometers, and hydraulic pumps, broadening technical expertise.
- Learn liquid capacity systems, including cooling and lubrication, critical for industrial engine operation.

## Value for Instructors

- Hands-on teaching with an industrial-grade engine built for educational purposes.
- Simplifies instruction of complex topics like fuel injection timing, turbocharging, and engine cooling systems.
- Enables demonstration of precise balancing, torque management, and durability aspects of diesel engines.
- Provides a safe and controlled environment for advanced technical training on industrial engine components.
- Supports various teaching levels, from basic engine mechanics to advanced vocational training.
- Mobile and space saving in the classroom, allows concurrent use by multiple students.

## Specifications

- Dimensions: 1275 x 1011 x 754 mm (50.2 x 39.8 x 29.7 inch)
- Weight: approx. 750 kg (1,655 lb)
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