

CAT® C13D

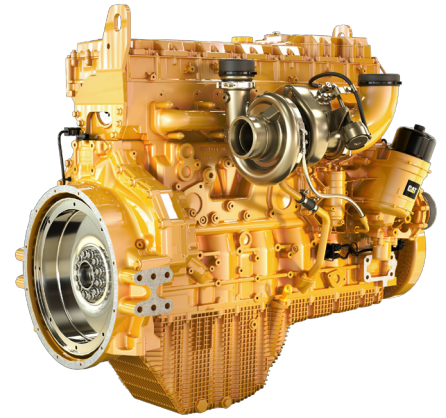
UN ECE R96 STAGE IIIA/BRAZIL MAR-1/UNREGULATED

340-515 KW (456-690 HP)



INDUSTRIAL ENGINE

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.



FEATURES AND BENEFITS

High Power Density

With power density as high as 53.5 hp/L (40 kW/L), and a power-to-weight ratio as high as 0.45 kW/kg (0.27 hp/lb), you can look to downsize the displacement and weight of the engine that's currently powering your application.

Fuel Efficient

Our electronically optimized engines are precisely engineered so you can save costs at the pump. Fuel consumption has been optimized to match operating cycles of a wide range of equipment and applications while maintaining low operating costs – even over various altitude and ambient conditions. These C13D variants without aftertreatment are compatible with up to B100 biofuels and 100% HVO, helping to save you cost, reduce lifecycle CO₂ emissions, while improving performance. To preserve the performance and integrity of the engine whilst reducing the risk of downtime or failure, fuels must meet the specifications and characteristics described in the official Cat® engine fluids guideline found on the Cat® SIS2GO App, accessible through https://www.cat.com/en_US.html.

Low-Cost Maintenance

With 1000-hour oil and fuel change intervals, you'll spend less time and costs maintaining your machine. And with technologies like hydraulic lash adjusters, you'll spend less time servicing your engine and more time focusing on your work.

SPECIFICATION

Cylinders	6 vertical in-line
Displacement, litres (in ³)	12.9 (787.2)
Aspiration	Turbocharged aftercooled
Bore and stroke, mm (in)	130 x 162 (5.1 x 6.4)
Maximum power, kW (hp)	515 (690)
Rated speed, rpm	1800-2100
Maximum torque, Nm (lb ft) @ rpm	3200 (2360) @ 1300
Combustion system	Direct injection
Weight, kg (lb)	1154 kg (2544 lb)
Rotation (viewed from flywheel)	Anti-clockwise

For additional information on all your power requirements, visit www.cat.com/industrial

All information in this document is substantially correct at time of printing and may be altered subsequently.
Photographs are for illustrative purposes only and may not reflect final specification.
Final weight and dimensions will depend on completed specification.
Information subject to selected configuration, and subject to change without notice.
Engine power measured per ISO 14396:2002

AEHQ8632-01 (12-24)

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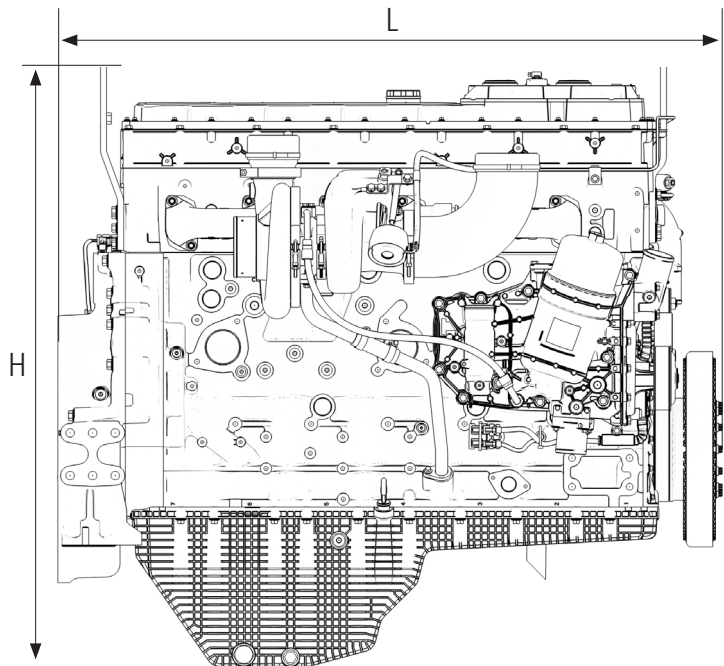
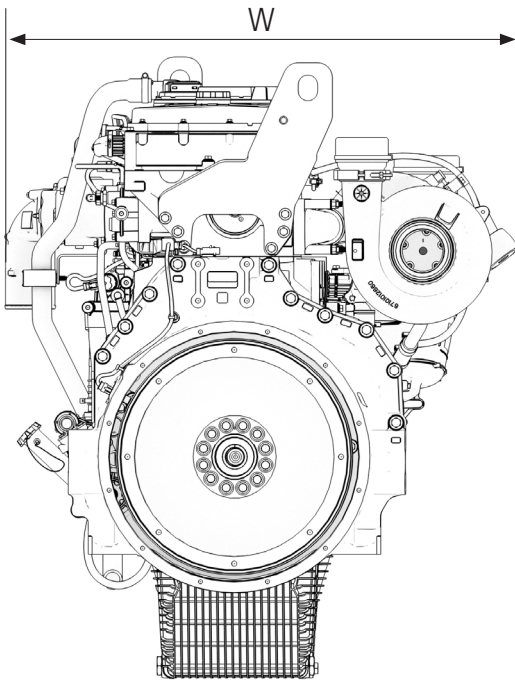
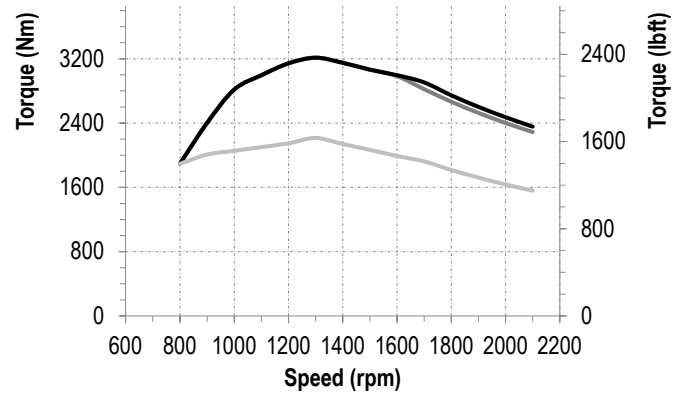
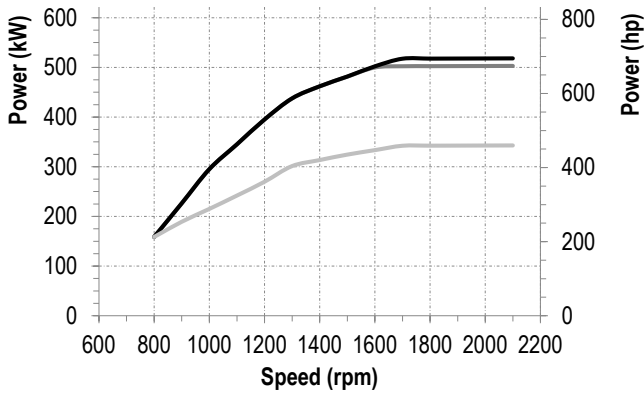
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INDUSTRIAL ENGINE



DIMENSIONS AND WEIGHT

Length (including fan), mm (in)	1381 (54)
Width, mm (in)	969 (38)
Height, mm (in)	1273 (50)
Weight, kg (lb)	1154 (2544)

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