

CAT® C4.4

CHINA NONROAD STAGE IV

110-129.4 KW (147.5-173.5 HP)



INDUSTRIAL ENGINE

The Cat® C4.4 industrial diesel engine is offered in ratings ranging from 110-129.4 kW (147.5-173.5 hp), which meet the latest China Nonroad Stage IV emission standards. The C4.4 is designed to meet the needs of many industries and applications, including bore/drill rigs, chippers/grinders, material handling, mining, earthmoving equipment, paving equipment, pumps, fruit harvesters equipment, turf and underground mining equipment.



FEATURES AND BENEFITS

INSTALLATION

A modular and compact core on the C4.4 makes installing the engine on any number of machine applications a relative breeze. And when downsizing from 5 liter platforms, OEMs can see a 20% reduction in length, 5% reduction in height and 40% reduction in weight of the engine, significantly reducing installation costs.

ADVANCED FEATURES

With a 20% percent increase in power density and 30% increase in torque when compared to its predecessor engine, the compact design of the C4.4 reduces heat loss for more efficient engine output, so operators can conquer even the toughest tasks with relative ease.

TOTAL COST OF OWNERSHIP

There's a lot that can affect the lifetime cost of ownership on your engine. It can be as simple as fluid intake and as complex as weight distribution. Either way, the C4.4 has it covered. When compared to similar 6 cylinder platforms, the C4.4 saves more than 18% in fluid consumption and is specially balanced to be its most effective, every day.

SPECIFICATION

Cylinders	4	
Displacement, litres (in ³)	4.4 (268.5)	
Aspiration	Turbocharged aftercooled	Twin turbocharged aftercooled
Bore and stroke, mm (in)	105 x 127 (4.1 x 5.0)	
Maximum power, kW (hp)	110 (147.5)	129.4 (173.5)
Rated speed, rpm	2000	2200
Maximum torque, Nm (lb ft) @ rpm	560 (413) @ 1400	750 (553) @ 1400
Combustion system	Direct injection	
Weight, kg (lb)	488 (1075)	535 (1179)
Rotation (viewed from flywheel)	Counterclockwise	

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

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

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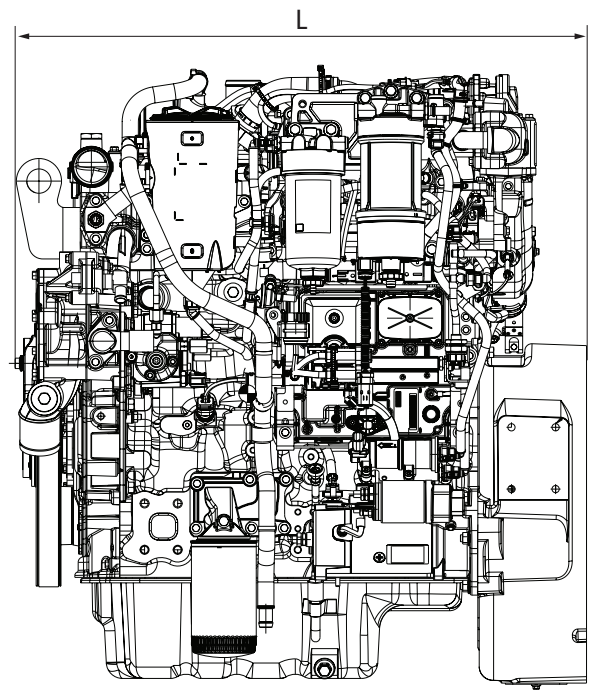
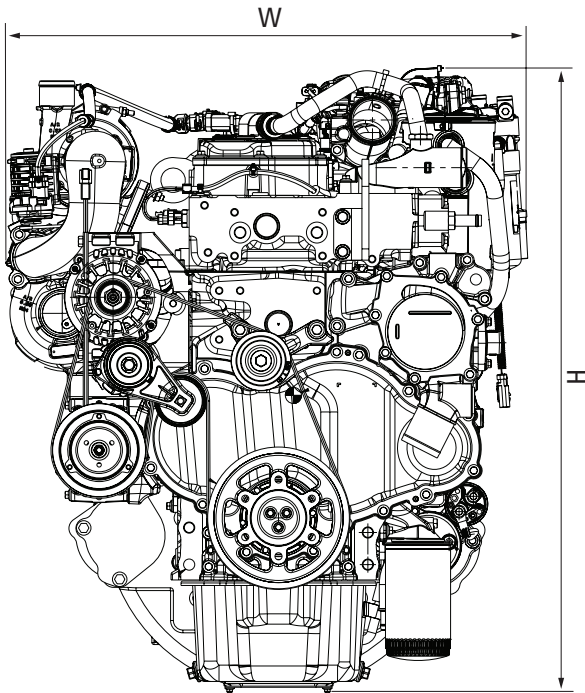
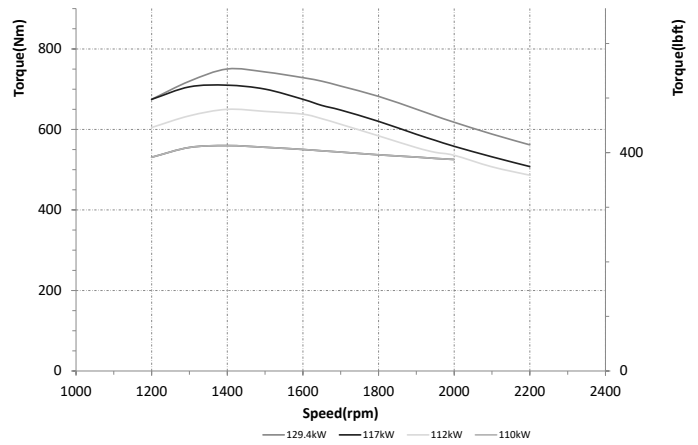
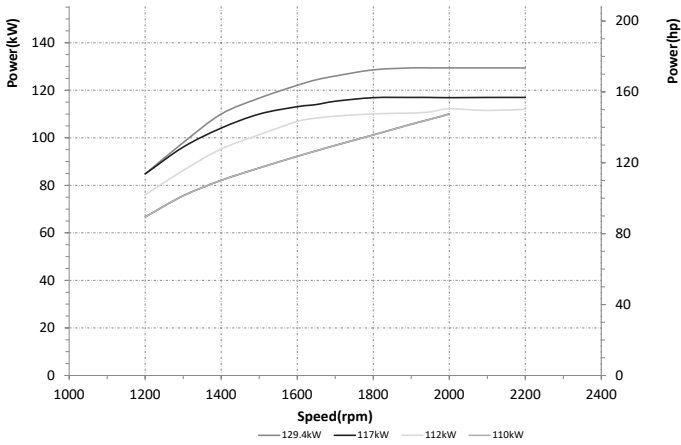
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The above dimensional drawings are based on the twin turbocharged aftercooled model

	Turbocharged aftercooled	Twin turbocharged aftercooled
Length (including fan), mm (in)	630 (24.8)	630 (24.8)
Width, mm (in)	660 (26)	748 (29.4)
Height, mm (in)	897 (35.3)	897 (35.3)
Weight, kg (lb)	488 (1075)	535 (1179)

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