

# CAT® C7.1

CHINA NONROAD STAGE IV

130-205 KW (174-275 HP)



INDUSTRIAL ENGINE

The C7.1 industrial diesel engine is offered in ratings from 130-205 kW (174-275 hp) and meets China Nonroad Stage IV emission standards. The C7.1 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, the C7.1 makes installing the engine on any number of machine applications a relative breeze. And when downsizing from 9 liter platforms, OEMs can see a >20% reduction in length, >12% reduction in height and >20% reduction in weight of the engine, significantly reducing installation costs.

### ADVANCED FEATURES

The C7.1 uses passive regeneration technology, so operators can continue to perform their toughest tasks, in the most severe environments, without having to wait on the engine.

### TOTAL COST OF OWNERSHIP

The benefits to downsizing are many, including an 18% decrease in overall fuel consumption when downsizing from a 9 liter engine. With an added 3-4% decrease in overall DEF consumption and EGR integration, the cost savings don't take long to add up.

## SPECIFICATION

Cylinders	6	
Displacement litres (in <sup>3</sup> )	7 (427.7)	
Aspiration	Turbocharged aftercooled	Twin turbocharged aftercooled
Bore and stroke mm (in)	105 x 135 (4.13 x 5.3)	
Maximum power kW (hp)	151 (202)	205 (274)
Rated speed (rpm)	2200	
Maximum torque Nm (lb ft) @ rpm	870 (642) @ 1400	1257 (927) @ 1400
Combustion system	Direct injection	
Weight kg (lb)	715 (1576)	845 (1863)
Rotation (viewed from flywheel)	Counterclockwise	

For additional information on all your power requirements, visit [www.cat-industrial.com](http://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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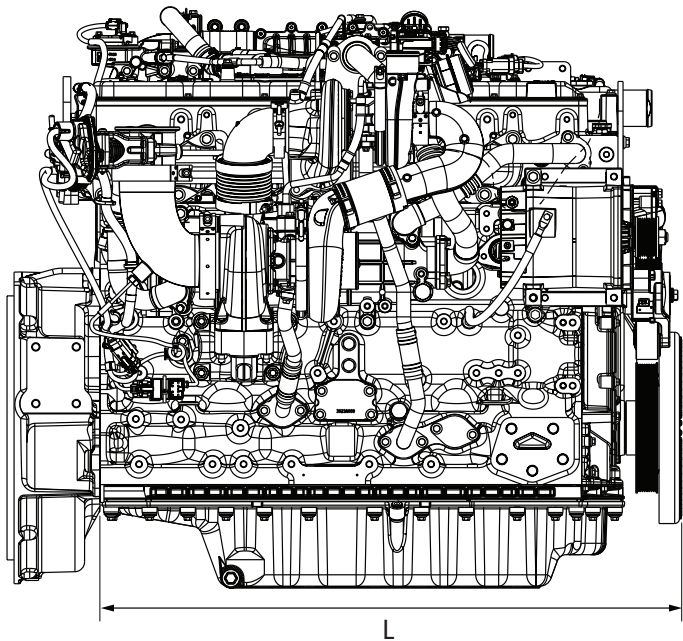
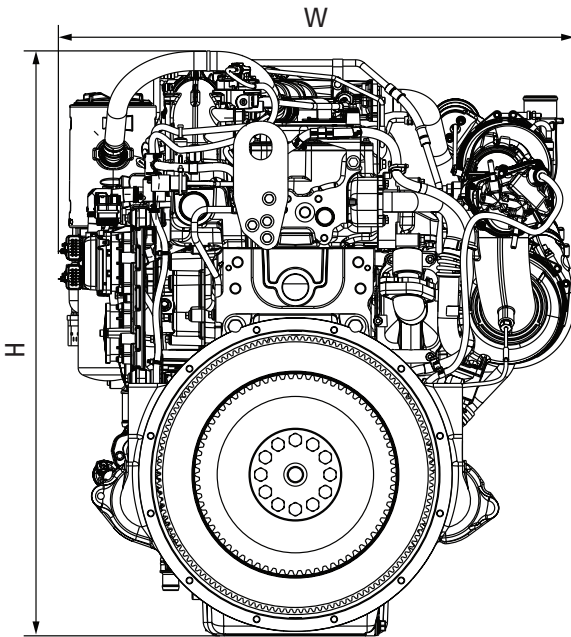
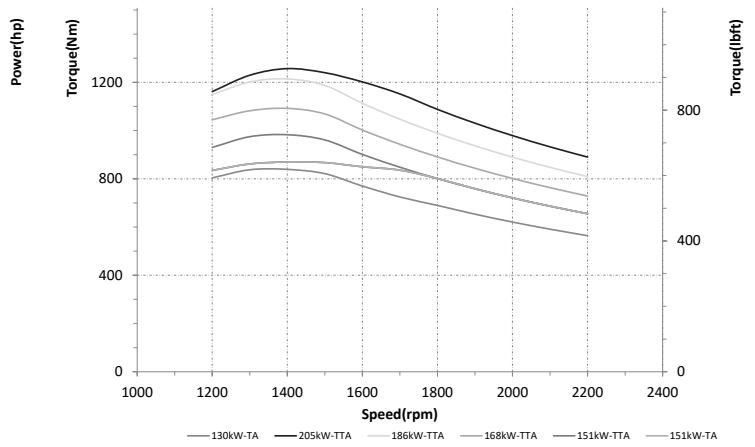
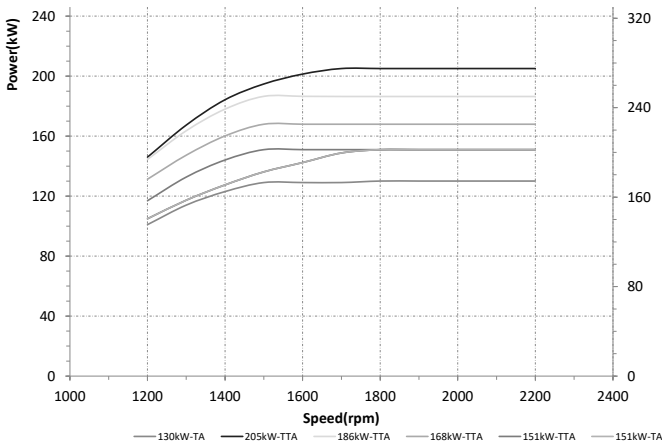
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## INDUSTRIAL ENGINE



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

	Turbocharged aftercooled	Twin turbocharged aftercooled
Length (including fan), mm (in)	870 (34.3)	870 (34.3)
Width, mm (in)	755 (29.7)	798 (31.4)
Height, mm (in)	905 (35.6)	911 (35.9)
Weight, kg (lb)	715 (1576)	845 (1863)

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