

C18 (>560 KW)

U.S. EPA TIER 4 FINAL/EU STAGE V

563-597 KW (755-800 HP)



INDUSTRIAL ENGINE

The Cat® C18 (>560 kW) is a power-dense industrial diesel engine with serial twin turbochargers and single-can diesel oxidation catalyst (DOC) only aftertreatment, meeting U.S. EPA Tier 4 Final, EU Stage V, and other equivalent emission standards. C18 engines are ideal choices for demanding applications in agriculture, aircraft ground support, construction, forestry, general industrial, material handling, and mining.



FEATURES AND BENEFITS

High Power Density

C18 engines with a top rating of 597 kW (800 hp) have excellent power density.

Simplified Aftertreatment

The C18 (>560 kW) uses a compact, single-can DOC only aftertreatment. The DOC is a maintenance-free, passive aftertreatment solution that eliminates the need for diesel exhaust fluid (DEF), thermal management and all the associated components.

Installation

Fully configurable power dense engine with numerous options and aftertreatment installation flexibility to meet all applications including remote mount and engine-mounted.

SPECIFICATION

Cylinders	6 vertical in-line
Displacement, litres (in ³)	18.1 (1104.5)
Aspiration	Series twin turbocharged aftercooled
Bore and stroke, mm (in)	145 x 183 (5.7 x 7.2)
Maximum power, kW (hp)	597 (800)
Rated speed, rpm	1800
Maximum torque, Nm (lb ft) @ rpm	3710 (2736) @ 1300
Combustion system	Direct injection
Weight, kg (lb)	1542 (3400)
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

AEHQ8631-01 (12-24)

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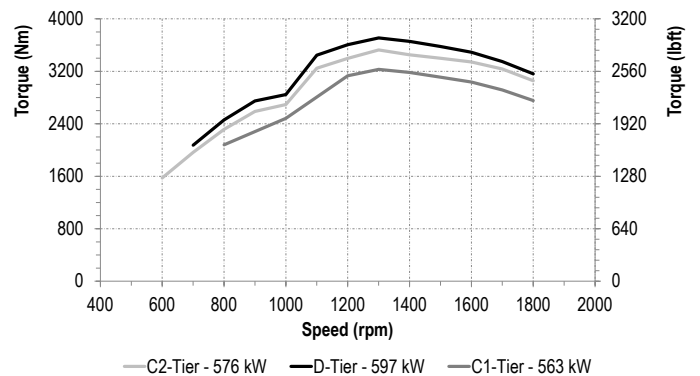
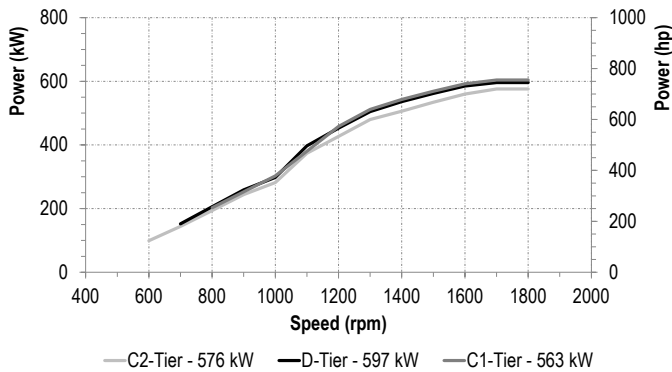
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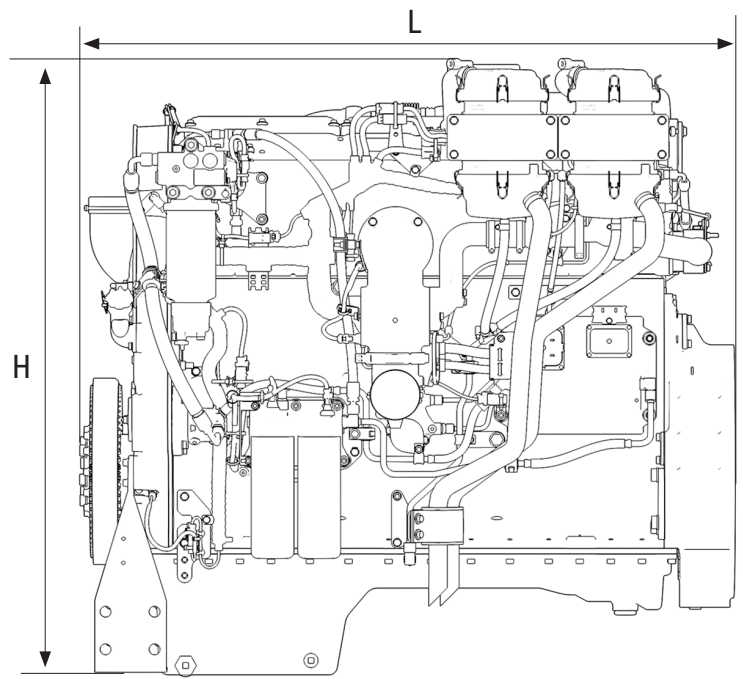
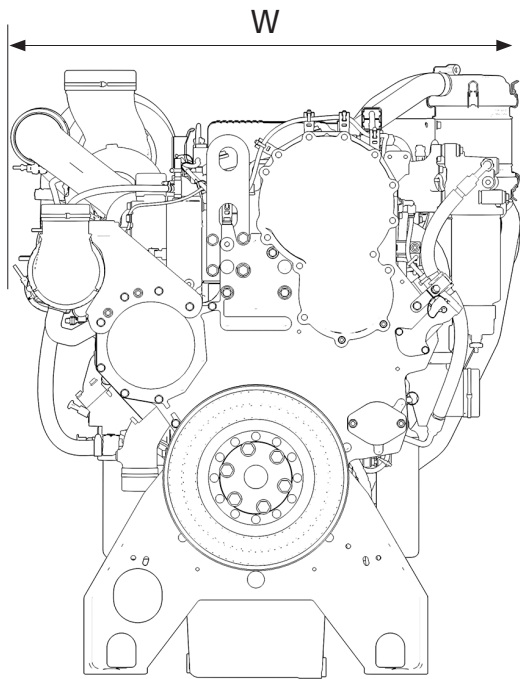
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Rating Definitions
 C1 rating: EU Stage V only
 C2 and D rating: U.S. EPA Tier 4 Final and EU Stage V



DIMENSIONS AND WEIGHT

Length (including fan), mm (in)	1545 (61)
Width, mm (in)	1141 (45)
Height, mm (in)	1334 (53)
Weight, kg (lb)	1542 (3400)

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