CAT® C18 (>560 KW)

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

576-597 KW (772-800 HP) @ 1800 RPM

INDUSTRIAL

This Cat® C18 engine variant equipped with a serial twin turbocharged-aftercooled system is capable of achieving power between 576-597 kW (772-800 hp) @ 1800 rpm while meeting U.S. EPA Tier 4 Final and EU Stage V emission standards.



FEATURES AND BENEFITS

HIGH POWER DENSITY

C18 engines with series-turbocharged ratings above 560 kW (755 hp) have excellent power density that utilize a compact, single-can diesel oxidation catalyst (DOC) aftertreatment system. The DOC is a maintenance-free, passive aftertreatment solution that eliminates the need for thermal management.

RELIABLE, QUIET, AND DURABLE POWER

World-class manufacturing capability and processes coupled with proven core engine designs provide reliability, quiet operation, and many hours of productive life.

FLUID EFFICIENCY

Fluid consumption has been optimized to match operating cycles of a wide range of applications while maintaining low operating costs. No diesel exhaust fluid (DEF) is required on these C18 variants which means a lifetime of low costs of operation.

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 torque, Nm (lb ft) @ rated speed, rpm	3710 (2736) @ 1300
Combustion system	Direct injection (MEUI)
Compression ratio	16.0:1
Aftertreatment	DOC
Total lubricating oil capacity, litres (US gal)	38-72 (10-19)
Rotation (viewed from flywheel)	Anti-clockwise
Length x width x height, mm (in)	1545 x 1141 x 1334 (61 x 45 x 53)
Weight, kg (lb)	1758 (3875), dry 1790 (3945), wet

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

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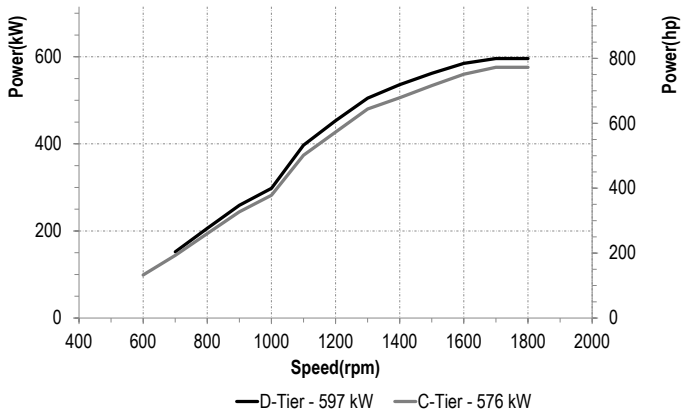
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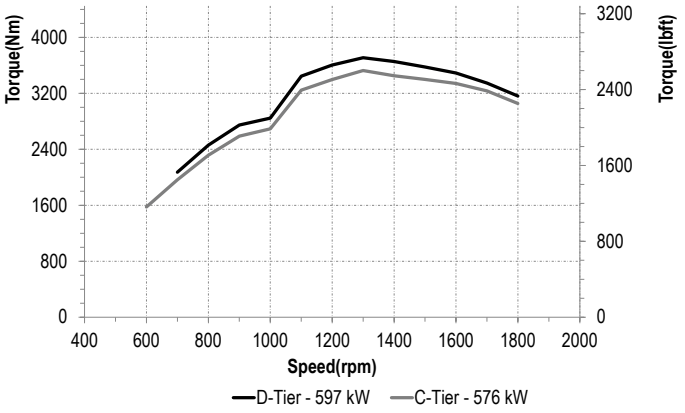
U.S. EPA TIER 4 FINAL/EU STAGE V

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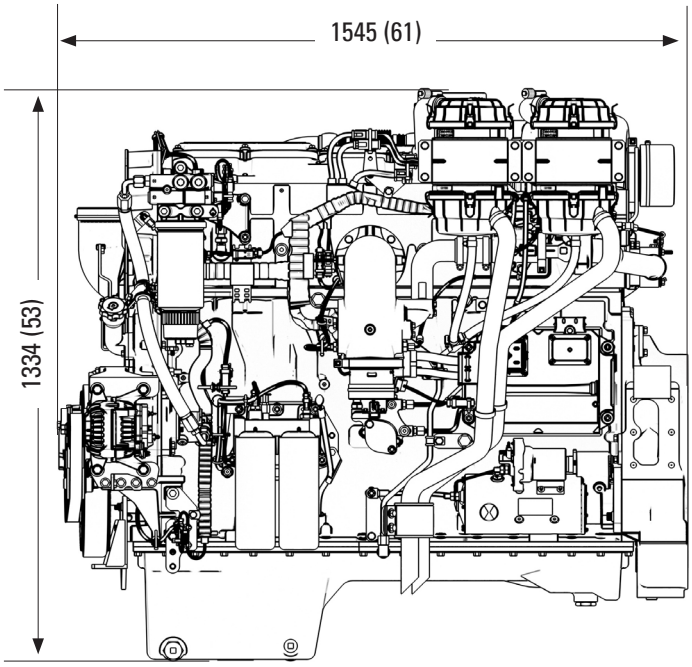
INDUSTRIAL

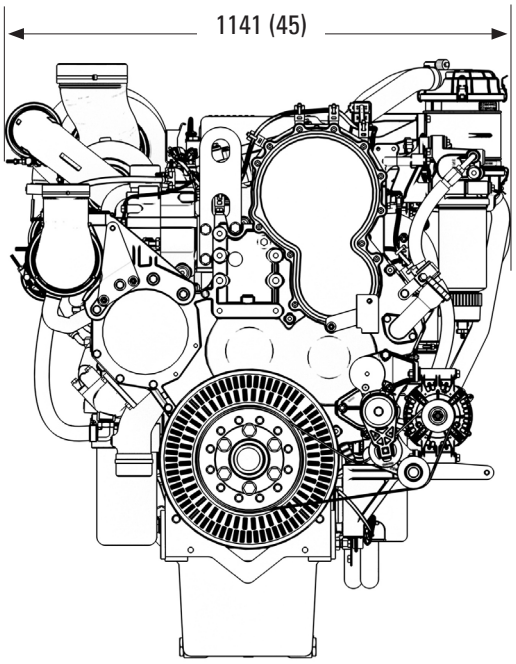
PERFORMANCE CURVES





DIMENSIONS





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