

1706J-E93TA

EU Stage V/U.S. EPA Tier 4 Final/
Japan 2014/Korea Stage V

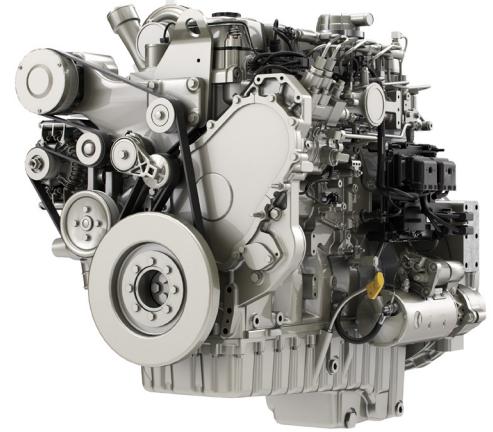
1706EA-E93TA

China Nonroad Stage IV

250-340 kW (335-456 hp)

The 1706J/EA-E93TA is a 6 cylinder, 9.3 litre engine that combines a high-pressure common rail fuel system and patented aftertreatment technology to produce up to 340 kW (456 hp) of power and 2088 Nm (1540 lb-ft) of torque out of a compact, lightweight package.

The 1706J-E93TA is certified to EU Stage V/U.S. EPA Tier 4 Final, and other equivalent certifications. The 1706EA-E93TA is certified to China Nonroad (NR) Stage IV.



Features and benefits

Powerful performance

The 1706J/EA-E93TA offers outstanding power density up to 37 kW/L (49 hp/L) that allows OEMs to downsize their engine platform without sacrificing performance or reliability. It is designed to allow simple, low-cost installations with low heat rejection for optimal cooling package sizing and features like engine mounted aftertreatment and installed radiators from the factory to reduce installation cost.

Optimised fuel consumption

End users will enjoy a low cost of ownership from low fuel consumption and an aftertreatment system designed and validated to regenerate transparently without any impact on engine performance, enhancing both uptime and productivity.

Ease of installation

Fully configurable engine and compact aftertreatment minimise package size. Ideal for equipment with narrow engine compartments. Furthermore, aftertreatment installation is flexible to meet all applications - including remote mount and engine mounted from the factory.

Specification		
Cylinders	6 vertical in-line	
Displacement, litres (in ³)	9.3 (567.5)	
Aspiration	Turbocharged aftercooled	
Bore and stroke, mm (in)	115 × 149 (4.5 × 5.9)	
Maximum power, kW (hp)	310 (416)	340 (456)
Rated speed, rpm*	1800-2200	1800-2000
Maximum torque, Nm (lb ft) @ rpm	1904 (1404) @ 1400	2088 (1540) @ 1400
Combustion system	Direct injection (common rail)	
Weight, kg (lb)	865 (1907)	
Rotation (viewed from flywheel)	Anti-clockwise	

*For China Nonroad Stage IV engines, a customer configurable rated speed is no longer offered due to regulation requirements. China NR IV requires new and in-use machine conformity checks. Please contact your A&I engineer for further details.

For more information please contact a Perkins distributor: <http://distributorlocator.perkins.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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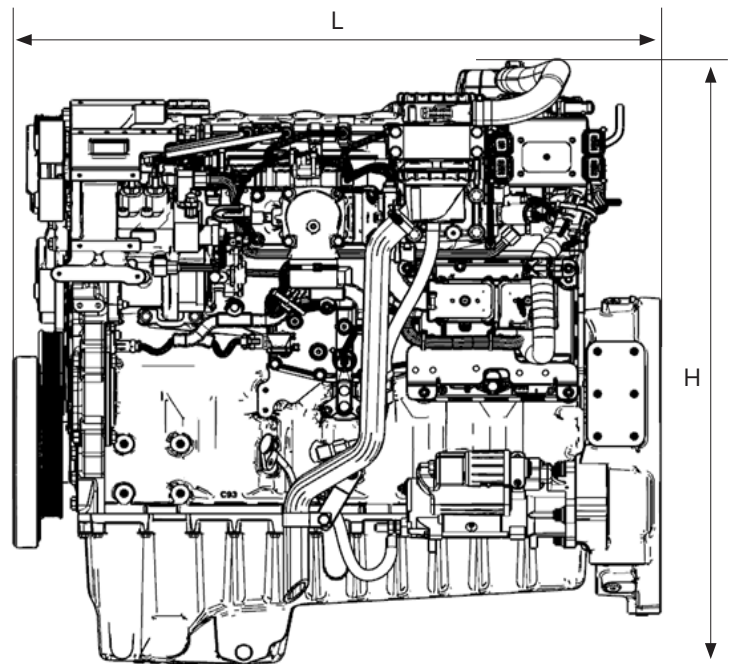
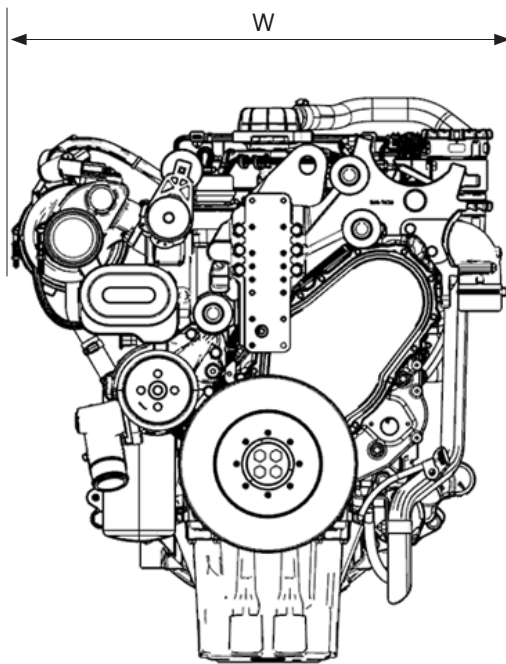
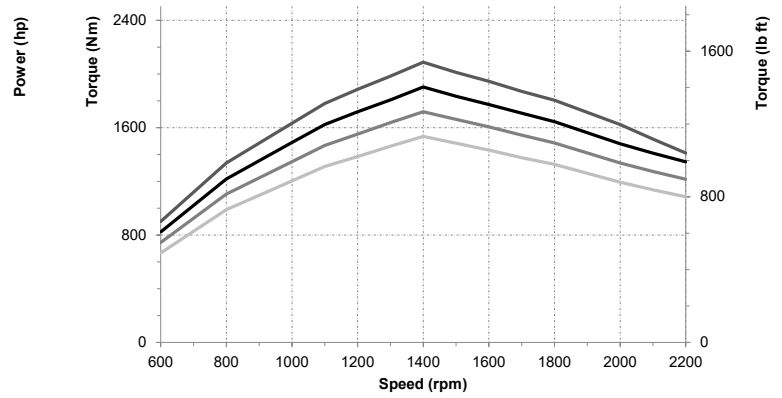
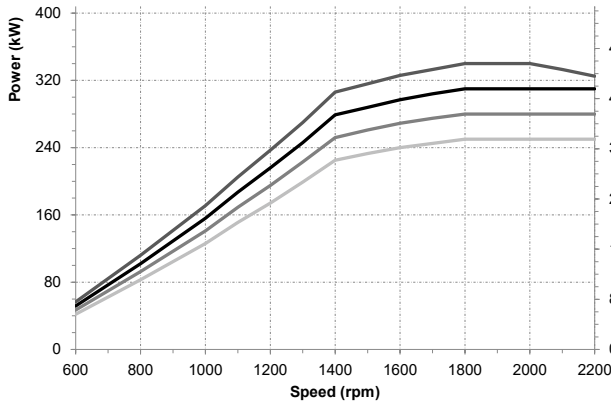
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Industrial Engine

1706EA-E93TA

China Nonroad Stage IV

250-340 kW (335-456 hp)



Dimensions and weights (base engine)

Length, mm (in)	1125 (44)
Width, mm (in)	791 (31)
Height, mm (in)	1068 (42)
Weight, kg (lb)	865 (1907)

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