

700 Series

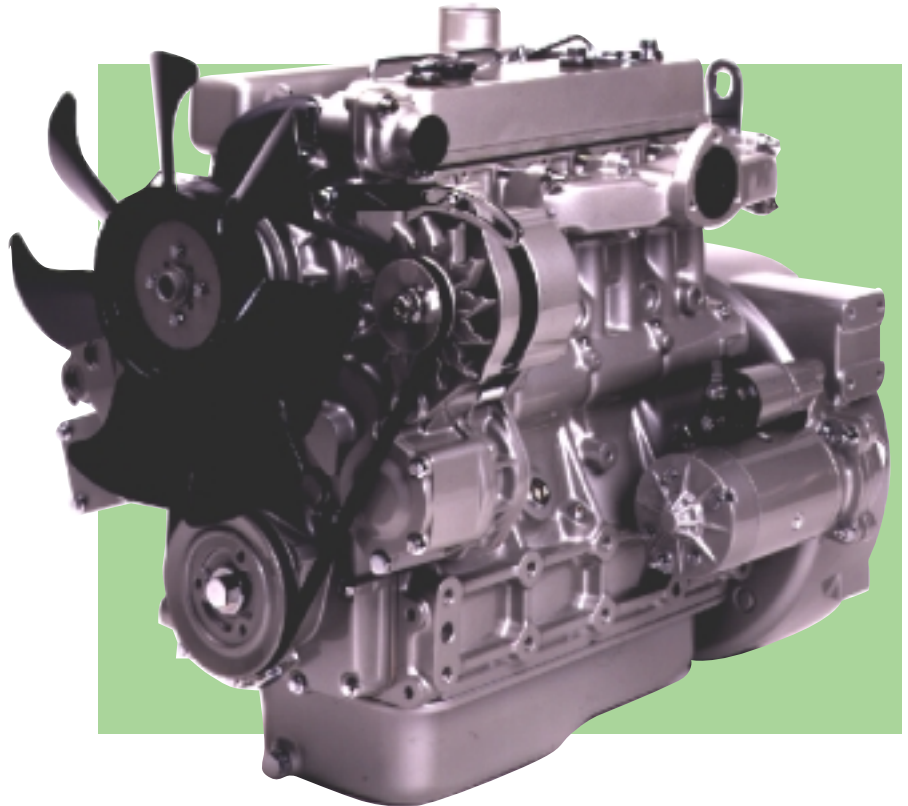
704-26

Fork Lift Truck Power Units

43kW/58bhp

Specifically designed to power the next generation of 2-3 tonne fork lift trucks, this new compact 2.6 litre, 4 cylinder, Indirect Injection (IDI) diesel will impress users with its smooth, well mannered behaviour, low noise, smoke and odour.

The 704-26 is launched as a tailor made solution for fork truck manufacturers expressing a clear preference for IDI combustion technology. Perkins pedigree in lift truck power also ensures provision of the essential 'high' power-take-off capability.



Quiet, clean, power

- Perkins mastery of air control, allied to a development of the Ricardo 5b combustion chamber has enabled excellent pre-combustion mixing, thus more complete burning. This means the engine operates free of visible smoke and to a level of gaseous emissions well beyond what is required for Stage 1 off-highway regulations – worldwide.
- Benefiting from a tuned mechanical structure, helically cut timing gears, combustion with a low pressure rise and extended burning phase, the 704-26 has a particularly soft noise signature, and a bare engine noise level under 94dBA.

High Performance, Productive Power

- Compact to suit today's machine design trends, 700 Series engines are class leaders in terms of power density. These engines, with up to 37kW from a geared power-take-off are also the benchmark for ancillary drive requirements in this sector.

Easy, low cost maintenance

- Quick, easy and economical maintenance is made possible by the convenient position of all service points on the right hand side, for easy accessibility.
- 250 hour oil and filter change period.

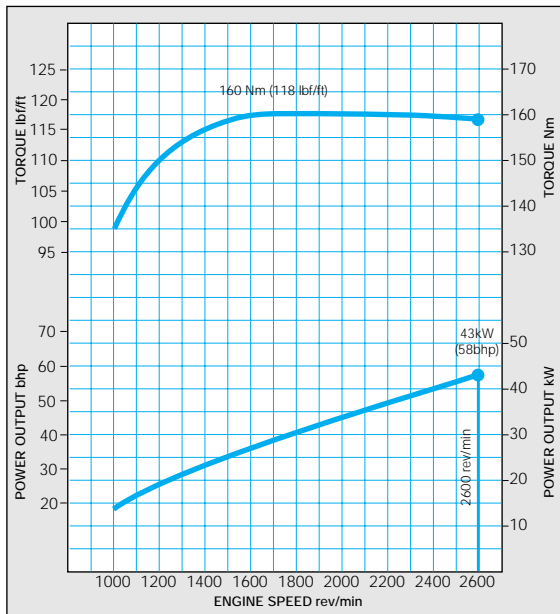
Reliable and Durable Power

- Perkins traditional values of exceptional reliability and durability are vested in the 700 Series range. Manufactured to standards which are customer approved and internationally recognised (ISO 9000). These engines will provide daily reliability and over 8000 productive hours operation, before the need for overhaul should become necessary.

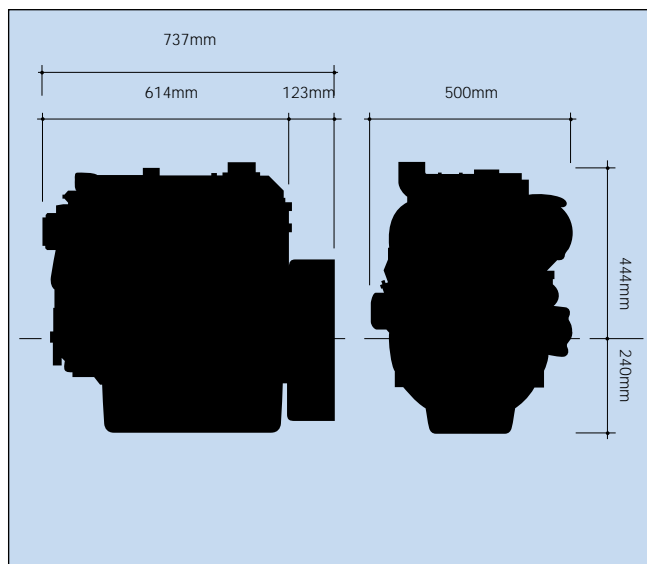
Cost Efficient Power

- The combustion system on the 704-26 has been optimised to achieve s.f.c. as low as 239 g/kWh with clean, quiet performance.

700 Series



- Rating Standard ISO (TR) 14396
- Maximum smoke level 2.5 Bosch @ 100% load
- Stage 1 off-highway emissions to C1-8 mode cycle ref ISO 8178 pt. 4.



Perkins Power

The Perkins range of off-highway engines now span an impressive 4–1879 kW (5–2520 bhp). Each engine provides tailored performance and is supported by a wide range of options to simplify engineering-in.

For the user, Perkins ensures the core values of low cost-of-ownership, quiet and clean operation, plus of course rugged reliability. The security of a 4000 strong worldwide distribution network adds peace-of-mind, as professional back-up and genuine parts service are never far away.

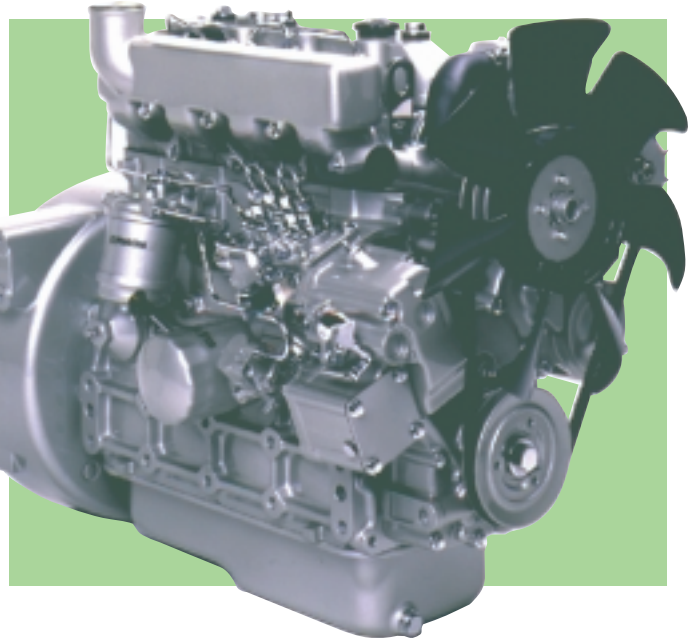


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All information in this document is substantially correct at the time of printing but may be altered subsequently by the company.

704-26



General Data

Bore/Stroke	91mm (3.58in) x 100mm (3.94in)
No of Cylinders	4 in-line vertical
Cubic Capacity	2.6 litres (159 cu.in)
Cycle	4 stroke
Aspiration	Natural
Combustion System	Indirect Injection
Compression Ratio	22.0:1
Firing Order	1.3.4.2
Rotation	Clockwise, viewed from front
Fuel Injection	
Equipment	Zexel PFR in-line pump
Injectors	Zexel KCA-'P'
Governing	Mechanical – all speed
Cooling	Liquid
Weight (dry)	200kg (440lbs)
Heat Rejection	43kW @ rated load and speed
Power take-off	37kW with 1.25 drive ratio, from SAE "A" flange on LHS of timing case. Full power, axially from crankshaft pulley