

New 1000 Series

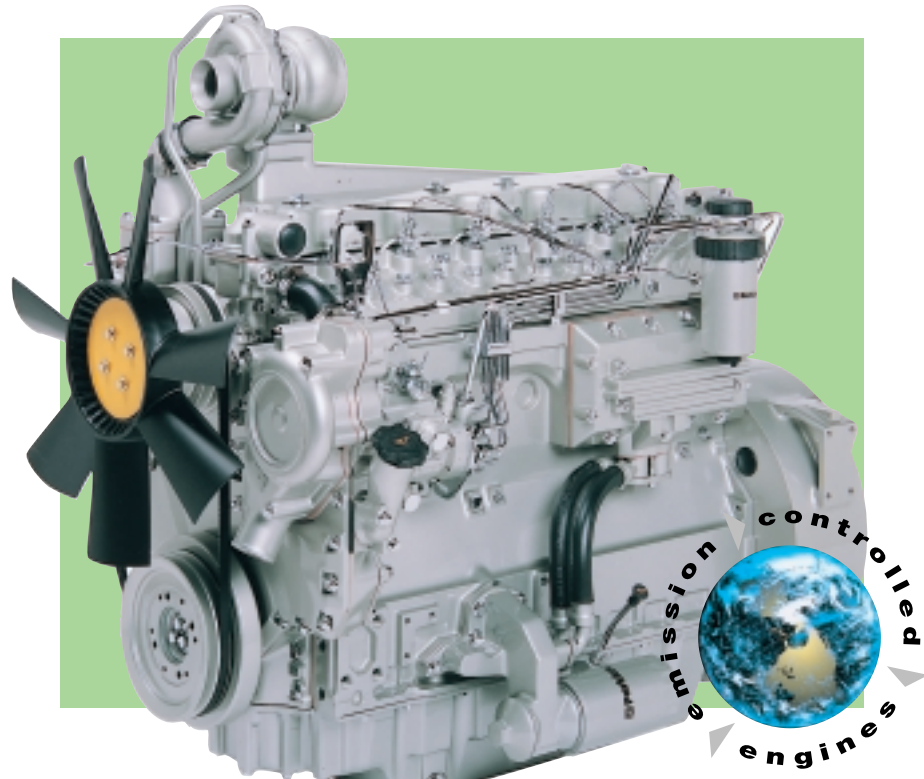
1006-60T

Industrial, Agricultural & Construction Power
– General Industrial Rating

112kW/150bhp

The new generation of Perkins 1000 Series now easily satisfies stage 1 off-highway emissions regulations world-wide. Inheriting all that made earlier generations benchmarks, the new range provides a seamless changeover from its predecessors, while adding even more benefits for both current and new customers.

This productive 6-cylinder turbocharged diesel, provides quiet, clean power for handling equipment, compressors, construction equipment, lift trucks and general industrial applications.



Reliable Power

- With over 7.5 million 4 and 6 litre predecessors sold, the New 1000 Series has an excellent pedigree of reliability. Now a completely new cylinder head, a higher efficiency cooling system, stronger structure, total containment of fluids and gases with better starting at even lower temperatures makes this engine the new benchmark of reliability.

Durable Power

- Building on the proven reputation of the original 1000 Series this new generation is designed to give at least 12,000 productive hours service life – an increase of 50 per cent, before needing a basic overhaul.

Clean and Quiet Power

- Specifically designed to satisfy stage 1 off-highway emissions legislation around the world, the New 1000 Series engines go further for the operator and the environment by also operating free

from visible smoke throughout their operational speed range. Cleaner, and quieter too: previously acknowledged as one of the quietest engines available, the new range is now up to 3 dBA quieter than before.

Cost Efficient Power

- With a near identical profile and similar hook-up points the New 1000 Series engines will provide a seamless changeover to emissions compliant product.

For the user, stage 1 emissions have been met without compromising the previously excellent economy.

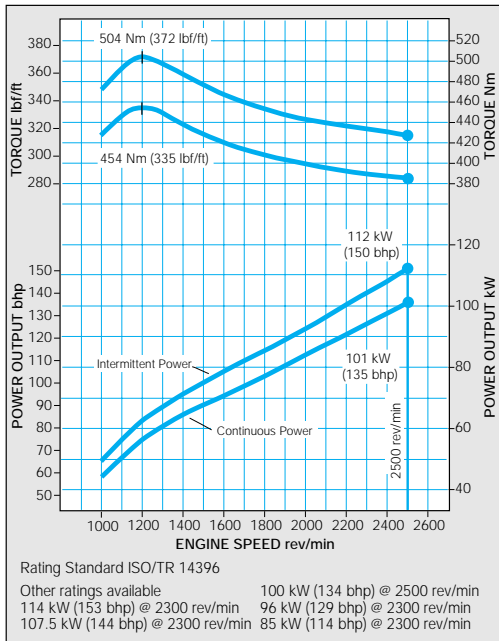
Easy Low Cost Maintenance

- Increased service intervals to 500 hours for oil and filters.
- Quick, easy and economical maintenance is made possible by the convenient positioning of service points, for easy accessibility.

Performance Data	Gross Intermittent	Speed rev/min	Gross Continuous	Speed rev/min
Power Output (kW)	112	2500	101	2500
Power Output (bhp)	150	2500	135	2500
Peak Torque (Nm)	504	1200	454	1200
Peak Torque (lbf/ft)	372	1200	335	1200

Rating Standard ISO (TR) 14396

1000 Series



Engine Specification

With a truly massive combination of ratings, configuration and dress options, the New 1000 Series range brings with it the ability to release the full potential of a machine's operational capability, by tailoring an individual specification exactly to an application need. Using the new "Custom" ordering system, choice now extends to every option group:

Option Groups

- Engine ratings
- Timing case & gear driven auxiliaries
- Flywheel housing
- Flywheel & starter ring
- Balancer
- Lubricating oil filter and cooler
- Adapter plate
- Starter motor
- Fan drive
- Lubricating oil sump
- Lubricating oil fillers & breathers
- Front end drives
- Coolant pump & thermostat housing
- Fan & extensions
- Alternator
- Belt driven auxiliaries
- Turbocharger & manifolds
- Induction manifolds
- Exhaust manifolds
- Fuel filter
- Cold start aid
- Stop & throttle controls
- Engine mountings
- Lubricating oil pressure switch
- Coolant temperature gauge & sender
- Radiator
- Fuel pre-filter

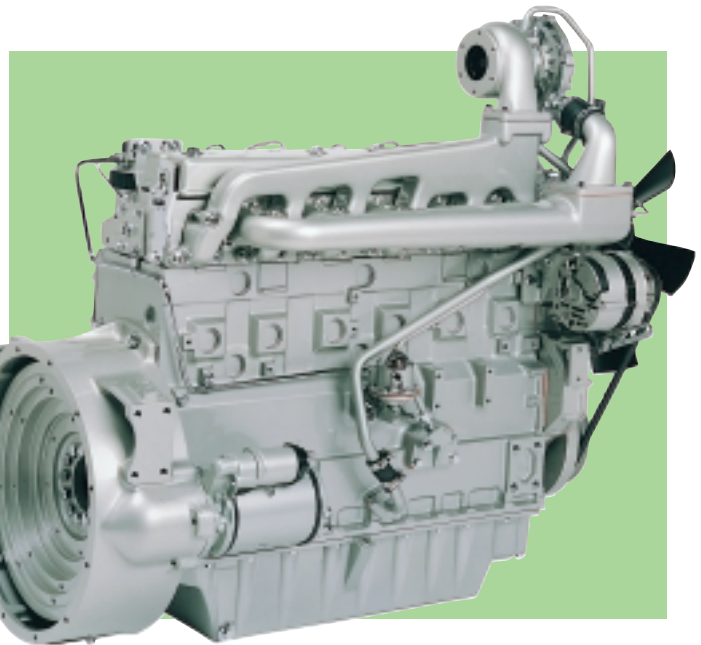


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All information in this document is substantially correct at the time of printing but may be altered subsequently by the company.

1006-60T



General Data

Engine Configuration	6 Cylinder Vertical In-Line
Aspiration	Turbocharged
Combustion System	Fastram Direct Injection
Bore/Stroke	100.0/127.0 mm
Displacement	5.985 litres
Compression Ratio	17.25:1
Firing Order	1, 5, 3, 6, 2, 4
Rotation	Clockwise, viewed from front
Basic Thread Form	Metric
Cooling System	Liquid
Coolant Capacity	15.5 litres
Normal Oil Pressure	276-414 kN/m ²
Dry Weight	419 Kgs

