

1000 Series

1006-6

Agricultural/Industrial Power Units

96.5 kW/129.5 bhp

Reliable power

Perkins' high manufacturing standards are approved to ISO 9000. Maximum cooling efficiency is provided by the gear driven water pump and independent fan drive. Leak free operation is ensured by an integral plate oil cooler. Viton crankshaft seals giving protection in the toughest conditions.

Durable power

A long, trouble free life is assured by the use of the highest quality components throughout the engine, from the deep skirted cylinder block, designed with the aid of computer technology, to the silicone carbide honed dry cylinder liners.

High performance, productive power

High power and torque with up to 21% torque back up, made possible by the Quadram direct injection combustion system with high specification fuel injection equipment. High power take off capability (single or twin), with helically cut timing gears.

Economical power

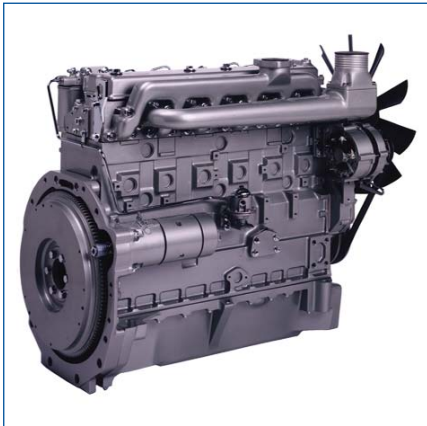
An 8% improvement in fuel economy – a direct result of the unique Quadram combustion system.

Easy low cost maintenance

Service intervals to 400 hours for oil and filters. Quick, easy and economical maintenance is made possible by the convenient positioning of service points, for easy accessibility. Improved parts availability and reduced inventory costs are achieved by the true family concept of the 1000 Series, giving parts commonality across the engine range.

Quiet, clean power

Operator and environmentally friendly with low noise, rapid startability and low emissions, achieved with the Quadram combustion system, featuring premium quality controlled expansion pistons.



Perkins naturally aspirated 6-cylinder diesel for compressors, handling equipment, excavators, tractors, loaders and mobile cranes.

Based on Perkins' 60 years' experience in the development and production of diesel engines, this quality product will give trouble free operation and high performance over a long engine life.

Performance Data	Gross Intermittent (ISO/TR 14396)	Speed (rev/min)	Net Intermittent	Speed (rev/min)
Power Output (kW)	96.5	2600	87.0	2600
Power Output (bhp)	129.5	2600	101.5	2600
Peak Torque (Nm)	431.0	1200	390.0	1200
Peak Torque (lbf ft)	318.0	1200	287.0	1200

Power output for a run-in engine after 60 hours.

Photographs are for illustrative purposes only and may not reflect final specifications.

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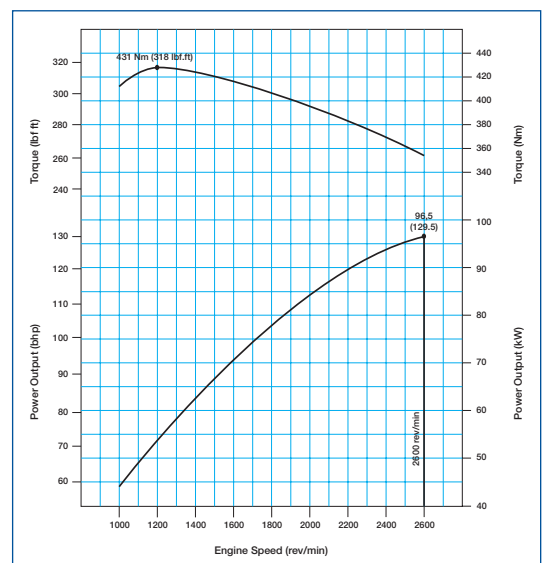
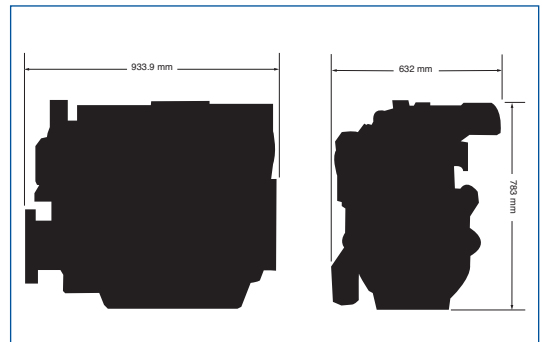
Engine Specification

- Cast iron engine block
- Flywheel and flywheel housing
- Rotary fuel injection pump
- Fuel filter and prefilter
- All-speed mechanical governor
- Low inertia injectors
- Inlet manifold
- Cast iron exhaust manifold – centre outlet
- Lub oil sump
- Spin on oil filter and oil cooler
- 12 volt/24 volt starter and alternator
- Choice of cooling fans belt driven
- Gear driven coolant pump
- Lub oil pressure switch
- Cold start aid

General Data

Bore and stroke	100 x 127 mm
Number of cylinders	6 in-line
Cubic capacity	6.0 litres
Cycle	4 stroke
Aspiration	Natural
Combustion system	Quadram direct injection
Compression ratio	16.5:1
Rotation	Anti-clockwise, viewed on flywheel
Cooling	Liquid
Length	933.9 mm
Width	632 mm
Height	783 mm
Dry weight	410 kg

Overall dimensions and weight will depend on final specification.



Note: Lower speed ratings may not be read from this curve.
Other ratings are available, please consult your Perkins representative.

Option Groups

A selection of optional items is available to enable the customer to make up a specification precisely matched to his needs. These include alternative ratings, inlet manifolds, exhaust outlets, a range of flywheels and flywheel housings to suit various clutches and transmissions and a selection of power take-offs.



Perkins Engines Company Limited

Peterborough PE1 5NA
United Kingdom
Telephone +44 (0)1733 583000
Fax +44 (0)1733 582240
www.perkins.com

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