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1000 Series

Agricultural/Industrial Power Units

1006-6

96.5 kW/129.5 bhp

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.

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

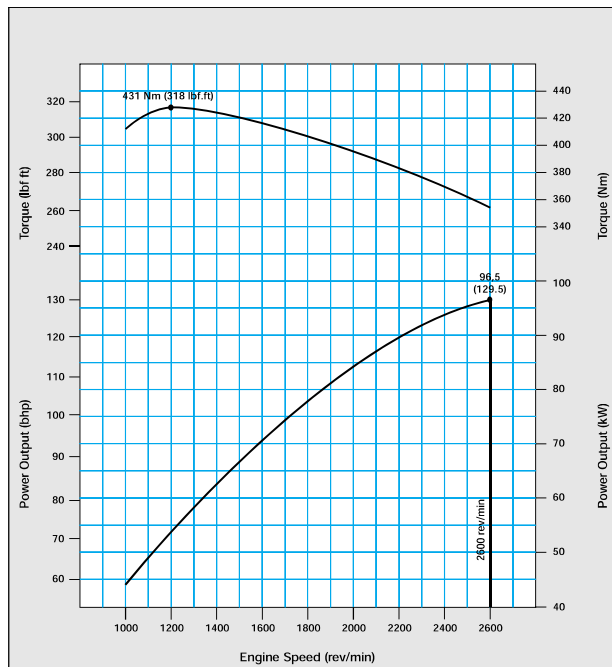
Operator and environmentally friendly with low noise, rapid startability and low emissions, achieved with the Quadram combustion system, featuring premium quality controlled expansion pistons.

Performance Data	Gross Intermittent*	Speed rev/min	Net Intermittent	Speed rev/min
Power Output (kW)	96.5	2600	87	2600
Power Output (bhp)	129.5	2600	101.5	2600
Peak Torque (Nm)	431	1200	390	1200
Peak Torque (lbf ft)	318	1200	287	1200

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

*Rating Standard ISO (TR) 14396

1000 Series 1006-6



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

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
12V/24V starter and alternator
Choice of cooling fans belt driven
Gear driven coolant pump
Lub. oil pressure switch
Cold start aid



Perkins Engines Company Limited

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

All information in this leaflet is substantially correct at the time of printing but may be changed subsequently by the Company



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.

General Data

Bore and stroke	100 mm x 127 mm (3.937 in x 5.00 in)
Number of cylinders	6 in-line
Cubic capacity	6.0 litres (365.0 cu.in.)
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 (36.8 in)
Width	632 mm (24.9 in)
Height	783 mm (30.8 in)
Dry Weight	410 kg (902 lb)

Overall dimensions and weight will depend on final specification

