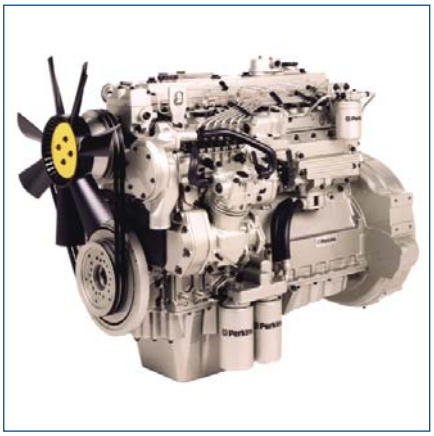
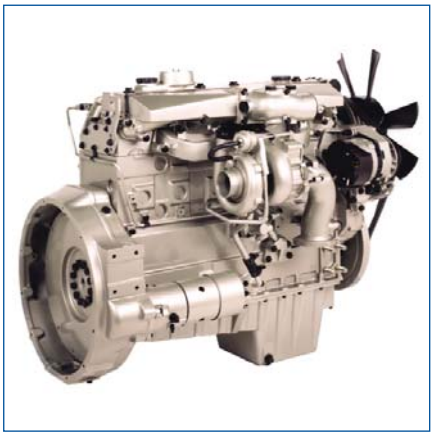




Top of the range, this high performance turbocharged water to air aftercooled 6-cylinder unit is designed for compressors, mobile cranes, agricultural tractors and harvesters.

Based on Perkins' 60 years' experience in the development and production of diesel engines, this premium specification engine ensures the utmost dependability over a long working life.

1000 Series

1006-6TW

Agricultural/Industrial Power Units

136.0 kW/182.5 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 Viton crankshaft seals and controlled swell joints, 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 premium quality, 3-ring controlled expansion pistons.
Enhanced engine life with inserted valve seats, oil spray cooled pistons, and integral plate oil cooler.

High performance, productive power

Exceptional power to weight with high torque and 21% torque back up made possible by Quadram direct injection combustion system matched to high specification turbocharger, and aftercooler.

Economical power

Excellent fuel economy is 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 and high specification fuel injection equipment.
At 96 dBA the 1006-6TW is probably the quietest engine in its class.

Performance Data	Gross Intermittent (ISO/TR 14396)	Speed (rev/min)	Net Intermittent	Speed (rev/min)
Power Output (kW)	136.0	2600	121.0	2600
Power Output (bhp)	182.5	2600	162.0	2600
Peak Torque (Nm)	605.0	1650	566.0	1650
Peak Torque (lbf ft)	446.0	1650	410.0	1650

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

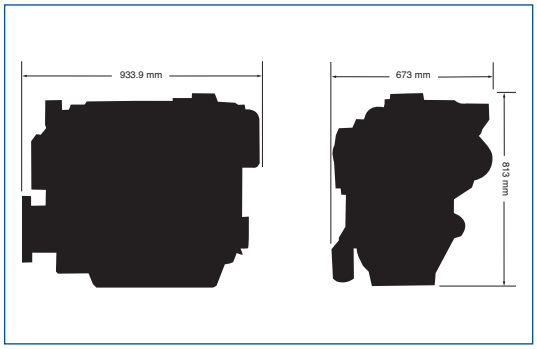
Photographs are for illustrative purposes only and may not reflect final specifications.

1000 Series

1006-6TW

Engine Specification

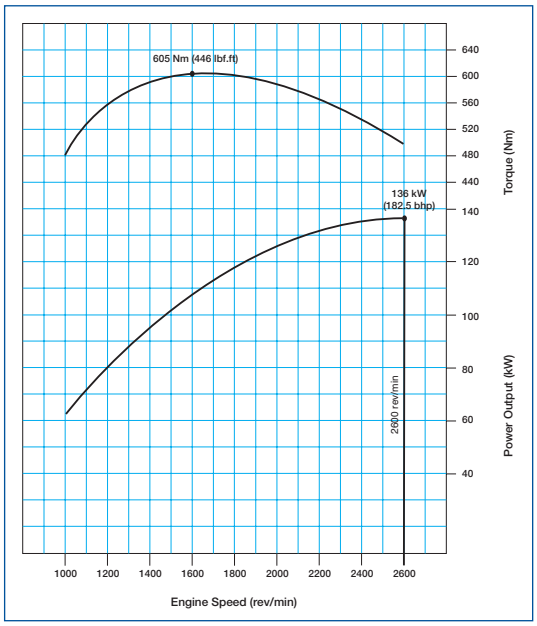
- Cast iron engine block
- Flywheel and flywheel housing
- Rotary fuel injection pump
- Fuel filter and prefilter
- All-speed mechanical governor
- Low inertia injectors
- Turbocharger
- Inlet manifold incorporating charge cooler
- Cast iron exhaust manifold – centre outlet
- Lub oil sump
- Spin on oil 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
Displacement	6 litres
Cycle	4 stroke
Aspiration	Turbocharged, with water/air aftercooling
Combustion system	Quadram direct injection
Compression ratio	16:1
Rotation	Anti-clockwise, viewed on flywheel
Cooling system	Liquid
Length	933.9 mm
Width	673 mm
Height	813 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.

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