



Power for Growth



The heart of every
great machine

Perkins in agriculture

Even before the widespread adoption of mechanisation, Perkins was supplying power for the agricultural industry. This long association has resulted in a unique understanding of the needs of farmers and of the equipment manufacturers who supply them.

The latest Perkins engines continue their predecessors' legacy of robust power and utmost reliability. To this they have added the quiet, clean, fuel-sipping qualities that put a Perkins engine into an estimated one in every five tractors, as well as a huge range of other agricultural equipment.

Today, Perkins offers three engine families - the ultra-compact 400 Series, the tough 800 Series and the exceptionally versatile 1100 Series. From these families, Perkins is able to offer a suite of ratings from 8 to 186 kW (11 to 250 bhp) and beyond. All these engines are capable of meeting agricultural sector emissions legislation around the globe.



Perkins offer versatile power solutions to help feed our world



Cultivating the future

The Perkins name is familiar the world over, with engines built on three continents and found in over 5,000 different applications. Over 17 million engines have been built since 1932, of which nearly half are still in service, supported by a global network of 4,000 distribution and service centres.

Perkins invests heavily in research and development. To maintain this global standing, our goal is to provide customers with a seamless, cost-effective transition through all stages of emissions legislation.

Biodiesel

Perkins has been following the use of rape methyl ester (RME) very closely over the last few years. Currently, our engines are capable of using up to 5% RME without affecting the standard warranty terms.

The increasing cost of diesel fuel is creating a growing interest in biodiesel and Perkins is currently running test programmes on its engines using higher percentages of RME. These are due to conclude in 2006.



Low cost of ownership

Through the extensive use of common components, Perkins has simplified training and inventory requirements, whilst retaining the ability to provide a tailored power solution.

As standard, all Tier 3 Perkins engines feature:

- 500 hour service intervals
- High continuous operating angles
- Low oil consumption
- Up to two year warranty
- Extended Service Contracts option
- Single side servicing option
- Same packaging and major hook-up points as Tier 2

Perkins Tier 3 engines are quieter, offer more power and more torque than the previous Tier 2 generation.

In agriculture or horticulture, whether you need to pull, push, lift or carry, plough, sow, irrigate or harvest, it is Perkins that can build an engine to meet your exact needs.



400 Series Think refinement ... choose Perkins

Mini-tractors
Compact wheeled loaders
Lawn and garden
Turf machines

The 400D range of compact engines cover an extended power range of 8 to 49 kW (11 to 66 bhp), replacing the highly successful 400C range. This family of 2, 3 and 4 cylinder liquid cooled engines has been developed to meet today's expectations for efficiency, economy and reliability in the agricultural market. The 400 Series delivers benchmark standards of productivity, cost of ownership and refinement and is quieter than even its class-leading predecessors.

Productivity

- 8% increase in power
- 12% increase in torque
- Higher operating speeds help make machines more productive

Refinement

- Engine noise levels have been reduced, with improvements in subjective noise
- Minimised fuel consumption and heat rejection
- Engines meet USA EPA Tier 3 and EU Stage 3 emissions legislation



800 Series Think dependability ... choose Perkins

Mini-tractors
Compact wheeled loaders
Lawn and garden
Turf machines

The 800D is a range of tough, 4 cylinder, 3.3 litre engines with ratings from 47 to 62 kW (63 to 83.1 bhp). Positioned between the refined 400 Series and the flexible 1100 Series, the 800 Series is designed to meet the present and future needs of machines such as skid steer loaders, tractors, forestry machines, turf machines and telescopic handlers.

Productivity

- 15% increase in power
- 15% increase in torque

Refinement

- Closed circuit breather fitted as standard
- Naturally aspirated or turbocharged models
- Minimised fuel consumption and heat rejection
- Engines meet USA EPA Tier 3 and EU Stage 3 emissions legislation



1100 Series Think flexibility ... choose Perkins

Tractors
Combine harvesters
Specialist harvesters
Windrowers
Forestry machines
Wood chippers
Sprayers

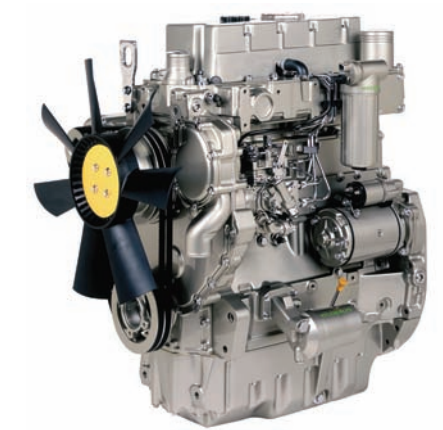
The 1100D range continues Perkins' leadership of the 1 litre per cylinder market by continuing to set standards of productivity, refinement and cost of ownership. Including stressed options to cater for frameless applications. These 3, 4 and 6 cylinder engines are ideal for agricultural applications. For Tier 3, ratings are available from 36.9 to 205 kW (49.5 to 275 bhp), whilst the 1100A range using the same common platform, will continue to provide cost effective power for less-regulated markets.

Productivity

- Up to 43% more power than Tier 2 engines
- Up to 51% more torque than Tier 2 engines

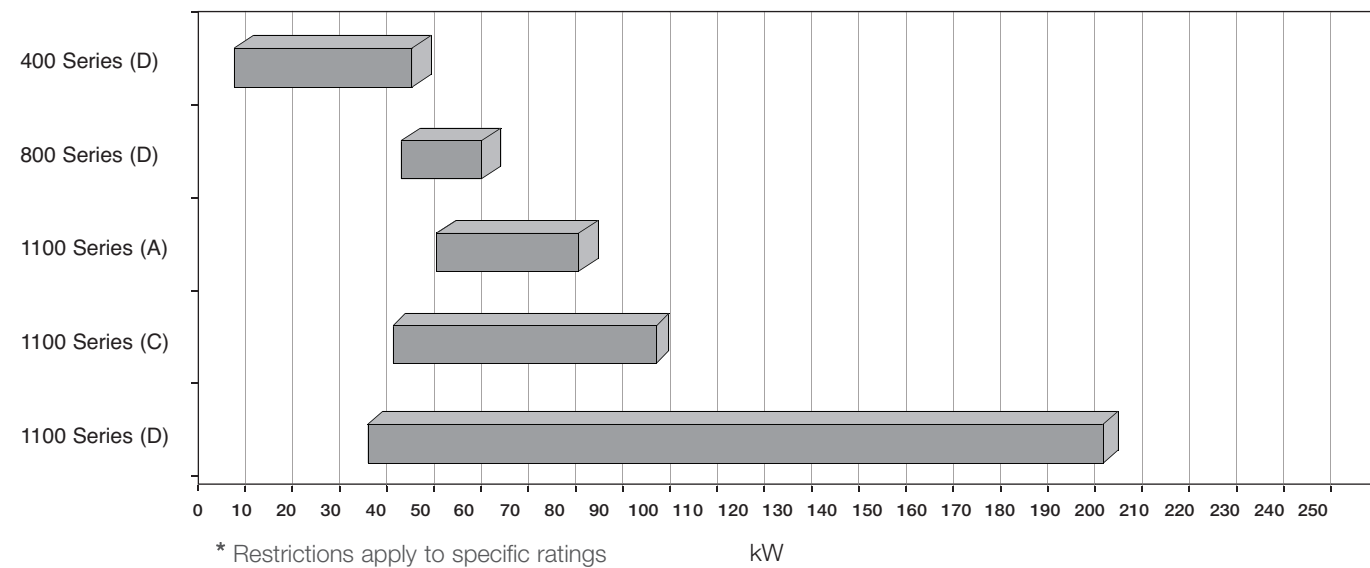
Refinement

- Engine noise levels have been reduced, with improvements in subjective noise
- Choice of aspiration and fuel/air control system
- Minimised fuel consumption and heat rejection
- Engines meet USA EPA Tier 3 and EU Stage 3 emissions legislation



Engines which can be built to your exact needs - delivering more power, less noise, lower emissions

Power range*



Every minute of every working day another Perkins engine leaves the production line to join those bringing total customer satisfaction worldwide. Customers know their Perkins unit is more than just an engine – it's a complete power solution that has been individually tailored for them by experts.

Around the world Perkins is trusted by the manufacturers and operators of powered agricultural equipment. Trusted to deliver reliability and performance. Trusted to provide cost effective solutions as emissions standards continually tighten. And, above all, trusted to provide the best levels of support, the lowest cost of operation, and when the time comes, to be the accepted brand as equipment is sold on.

Trusted for reliability, performance and quality



Global Product Support

Wherever it is required in the world, Perkins product support is designed to keep a Perkins engine running. We recognise the importance of maximising engine productivity to fulfil our customer's needs, hence our goal to be the world leader in global product support for engines.

Our network are the engine experts when it comes to the full Perkins range. Perkins trained distributors have TIPSS (The Integrated Product Support Solution) suite of web enabled tools at their fingertips, providing them with the very latest, up-to-date real time information. So whether it's for parts identification and ordering, engine fault diagnosis or technical information, the Perkins distributor can complete the job to Perkins stringent standards, first time, worldwide.

From cradle to grave, Perkins has the solutions to meet customer needs. From standard maintenance, to comprehensive repair or complete overhaul, a cost effective solution is available whatever the age or condition of the Perkins engine. Perkins OE specification parts also come with a 12 month warranty, providing the best quality at the lowest possible cost.

Fully dedicated to looking for innovative solutions to industry issues, Perkins is working hard to ensure continuity of component supply. The exchange range offers remanufactured parts, giving good as new quality parts, from reworked core. A sustainable proposition, at the right price and all this with a reduced impact on the environment.



To give complete peace of mind to the machinery user, Perkins also offer Extended Service Contracts that take the worry out of engine ownership. Flexible coverage can be taken out for up to 8,000 hours of engine service, giving total protection against unexpected repair costs.

Perkins global product support is designed to enhance the customer experience of owning a Perkins powered machine. We deliver this through the quality of our distribution network, extensive global coverage and a range of Perkins supported OEM partnership options. So whether you are an end-user or an equipment manufacturer our engine expertise is essential to your success.



Perkins product support ensures engine expertise is available throughout the world and around the clock. Surpassing customer's needs and keeping Perkins powered machines productive

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