

An aerial photograph of a vast vineyard with rows of green grapevines stretching across a hillside. A tractor is visible in the lower right, spraying a large, white, conical mist over the vines. The scene is captured from a high angle, showing the perspective of the rows.

Reliable,
robust engines for your
agricultural equipment

 **Perkins**[®]

THE HEART OF EVERY GREAT MACHINE

Depend on Perkins from the ground up

Today, intense research into all aspects of farming and agriculture is yielding technologies such as vertical and precision farming. Your equipment calculates everything from how fertile the soil is and how much seed, water and fertilizer farmers need, to the ideal conditions for crop storage. Our engines are equally intelligent, quiet and clean.

Wherever your machine is working, whatever the environment, our comprehensive range of high-performance engines will help you overcome the toughest challenges.

Whenever you need it to push, pull, lift or carry, plough, sow, irrigate or harvest, you will find a Perkins engine ready for the job.

Even before the widespread adoption of mechanisation, Perkins was supplying engines to the agricultural industry. Our long association with some of the world's largest agricultural equipment manufacturers has given us a unique understanding of the power and performance that farmers expect in their equipment.

Today, this close collaboration empowers us to develop some of the best power solutions available, with a 'whole life cost' that competes very well in the market.

With over 85 years of agricultural heritage, we understand agriculture and the needs of the sector. Whether it's powering applications on farms, in forestry work or lawn and garden care.

Perkins has a complete range of reliable engines, which meet different emissions standards, and provide low cost of ownership. We tailor engines to meet the specific needs of your particular application, and provide global service support to keep the engine running.

Power: 8.2 to 597 kW (11 to 800 hp)

Full specifications:

Available from your nearest distributor at www.perkins.com/distributor or if you need more information of any of the Perkins products, please visit us at www.perkins.com/products



Since pioneering diesel power for farm machinery in the 1930's, our talented teams have been delivering world-renowned power solutions that you can rely on. When you ask for more more power, more performance, more economy, longer life, you can depend on us to deliver.



Agriculture:

a sustainable food chain

Offering you clean, reliable, low-cost power, our tailored technology consistently delivers in a huge range of applications - from small sit-on mowers and telescopic handlers to the largest tractors and combine harvesters. Whether your equipment is needed to meet the demands of small farm gardens, hundreds of acres of field work or livestock farming, you and your customers will always be able to depend on our engines whatever the season.



Electric power generation, pumps and sprayers:

delivering power when you need it

Electric power generation

For most of us, energy is there - a constant supply whenever we need it. But if the power supply fails, the challenge is to have a clean and efficient alternative energy source on hand that you can rely on. You can rest assured that the range of engines we offer for generator sets will meet your needs, whether you need it to run at prime or standby power.



Pumps and sprayers

To meet the high demand you require for pumping operation, we offer our Industrial Open Power Units (IOPUs). These have a validated, high spread of power ratings specifically developed for pumps. They are fully packaged units, complete with fuel system, air cleaner and radiator. We call these our 'plug and play' solutions which will give you an easy straightforward installation.

For spraying, our engines are precisely matched with the transmission and run on specific ratings developed for constant load. By working with you to optimise our engines to your machines, you get improved fuel consumption and impressive performance.





Choose your **perfect power** solution

Designed to meet global emissions standards, including EU Stage V as proposed and U.S. EPA Tier 4 Final, our 400, 850, Perkins® Syncro, 1100, 1200, 1700, 2200, 2400, 2500 and 2800 Series engines deliver the power and torque you need for your agricultural applications.

400 Series

Overview: A versatile 2, 3 and 4 cylinder range of engines offering you reliable power, designed to combine performance and low operating costs in an ultra-compact package

Power: 8.2-55 kW (11-74 hp)
Stage IIIB*/Tier 4 Interim and Final

850 Series

Overview: Responsive, compact, 4 cylinder engines offering you exceptional power density and torque and excellent cold starting

Power: 45-90 kW (60-121 hp)
Stage IIIB and IV*/Tier 4 Interim and Final

Perkins® Syncro

Overview: The 1.7, 2.2, 2.8 and 3.6 litre engines offer a compact, yet powerful solution for a range of agricultural applications

Power: 29-100 kW (39-134 hp)
Stage V*/Tier 4 Final

1100 Series

Overview: This is a series of engines that gives unparalleled performance and offers you a choice of 3, 4 and 6 cylinder options for lower emission-regulated territories

Power: 37-205 kW (50-275 hp)
Stage IIIA/Tier 3 equivalent

1200 Series

Overview: Responsive, high-productivity 4 and 6 cylinder engines offering you flexible features with the latest technology to provide clean, quiet and dependable power

Power: 62-239 kW (83-321 hp)
Stage IIIB and IV*/Tier 4 Interim and Final

1700 Series

Overview: Powerful, compact and robust 6 cylinder model offering you excellent power density, low cost of installation and ownership, and reliable performance

Power: 250-340 kW (335-456 hp)
Stage IV*/Tier 4 Final

2200 Series

Overview: Designed to improve the performance and productivity of your machines and delivering outstanding power density with low cost of installation and ownership

Power: 287-388 kW (385-520 hp)
Stage IV*/Tier 4 Final

2400 Series

Overview: With reduced complexity and weight, it offers increased performance and installation flexibility through a compact aftertreatment and configurable factory solutions

Power: 340-430 kW (456-577 hp)
Stage V*/Tier 4 Final

2500 Series

Overview: Powerful and robust family of engines designed to improve the performance and productivity of your machines

Power: 354-433 kW (475-580 hp)
Stage IV*/Tier 4 Final

2800 Series

Overview: With excellent power density, you have the opportunity to commonise machines with a single engine installation

Power: 429-470 kW (575-630 hp)
Stage IV*/Tier 4 Final

* EU Stage V (ratings in development)

“ A range of features and benefits make our engines the ideal choice for the agricultural sector, with world-class quality focused on maximising the use of new technology. ”



Quality people **Quality product**

You can depend on us to bring you the quality, collaboration and benefits you expect from your engine supplier ...

- One of the largest independent engine suppliers for off-highway equipment
- Over 85 years of heritage and expertise in your market
- Collaboration with customers for tailored solutions and future development
- Opportunities to downsize from larger to smaller engines, while retaining the same levels of power and torque
- Engines that run on 20% biodiesel
- Durable, robust products designed specifically for our customers in the agricultural market: stressed/ non-stressed, specific block and sump design, high turbo positions, modular packages with the engine and aftertreatment fitted together
- Excellent fuel efficiency
- Local sourcing and manufacturing gives instant access into a global supply chain that reduces leadtimes and improves our efficiency
- Global network of support

Electric Power **generation**

Our product offering expands by offering a full range of clean, economical engines for electrical power generation. These engines hit all the key power nodes within the 5-2500 kVA (4-2000 kWe) range and will deliver prime and standby power to meet all your requirements.

All engines come with a 12-month warranty and 500-hour service intervals as standard, giving you extra peace of mind.

Small

range engines:

400 Series
2, 3 and 4 cylinder engines
5-40 kVA (4-32 kWe)

Medium

range engines:

1100 Series and 1200 Series
3, 4 and 6 cylinder engines
30-250 kVA (24-200 kWe)

Large

range engines:

1500 Series, 2000 Series
and 4000 Series
6, 8, 12 and 16 cylinder engines
200-2500 kVA (160-2000 kWe)



Wherever you are in the world, you are always local to Perkins

To all our customers we make a simple promise: to keep your engines running wherever they are in the world.

With highly trained Perkins distributors in thousands of communities in over 180 countries, you are never far away from expert product knowledge, genuine parts and a range of advanced diagnostic technology for keeping your engine in peak condition.

We are committed to building long-lasting partnerships with you, and our distributors understand the unique needs of the market you operate in.

Enjoy unbeatable protection for your Perkins engine

We have a range of added value services, including a choice of flexible and transferable options such as Perkins® Platinum Protection which can extend the engine factory warranty by up to 10 years*, giving you peace of mind. We have also introduced the Perkins® SmartCap† and Perkins® My Engine App to give you personalised and portable information about your engines and parts consumption. Combined with Perkins genuine parts, oils and coolant, we offer a comprehensive and customisable package to maintain your engine at optimum performance and reliability.

* Terms and conditions apply

† Patent application pending

Talk to your local Perkins distributor today or visit www.perkins.com/parts for more information.

You can always count on us

We go the extra distance to bring you unrivalled service and support, genuine parts availability 24/7, access to remanufactured parts that give you same-as-new quality, and **more machine productivity.**

Our customers rely on us to deliver the highest standards of quality and innovation, which is why our engines are designed and built from close customer collaboration. For some projects, customers are invited to one of our Technology Integration Workshops, where our engineers will work closely with you to understand your challenges and requirements, tailoring our technology for your specific applications.

It's an approach our customers find stimulating and productive, and one that can significantly reduce your development time and costs, ensuring a maximum return on investment.

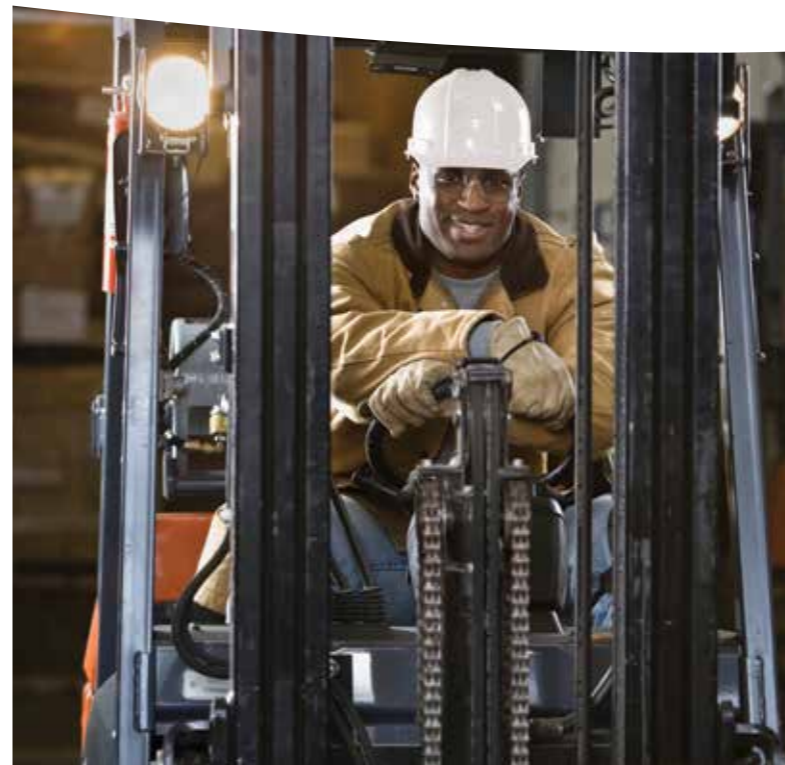
Discover more

To find out how Perkins can help transform your business and to download detailed engine specification sheets, please visit www.perkins.com.

Other useful links

www.perkins.com/distributor

To find your local Perkins distributor.



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