



Tailored technology

for the demands of your industry

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

Rest assured It's powered by Perkins

Investment in global manufacturing and distribution networks ensures you benefit from fast delivery and unrivalled support.

Our world is changing. Rapid urban development, global distribution, a sustainable food supply and climate change are some of the urgent issues that are defining the 21st century.

The equipment you develop has an important role to play in all these areas and with Perkins engines at the heart of your machines, you can help builders, farmers, manufacturers, distributors and others continue to improve our world.

For more than 80 years now we have proudly provided tailored technology that consistently delivers for you. All our engines are designed with you and your customers' needs in mind, ensuring world-class quality, high performance, low emissions, flexibility, dependability and low cost of ownership.

This commitment to put your needs first by listening and anticipating market demands is why our power solutions are trusted by more than a thousand leading machine producers throughout the world.



Ready to meet the demands of
your industry

Whatever your industry, whatever environment you face, our comprehensive range of high-performance engines will help you overcome the toughest challenges. Wherever you need to pull, push, turn, carry, dig, lift, pump or move, you can find a Perkins engine ready for the job.

Years of **expertise** is poured into every Perkins part to deliver world-renowned power solutions you can rely on.



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 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.

Construction:
helping you build the future

From small, one-off projects to regenerating a whole city, we bring you power and toughness for a huge variety of construction machines. Backhoe loaders, wheeled loaders, compressors, mixers, rock drills can all be powered by our flexible power solutions, helping you build the roads, homes, businesses and major landmarks that make a huge difference to communities around the world.

Materials handling:
smooth, quiet, precision power

So many businesses rely on the quick, efficient and smooth transference of materials such as steel, timber, concrete, components, products and food. Whether working in a warehouse, operating over rugged terrain or loading and unloading lorries and ships, Perkins engines are ideal for your platforms, side loaders, container handlers, forklifts and telehandlers, giving you the benefit of smooth, quiet and dependably economic power.

Choose your **perfect power** solution

TIER **Air**



400 Series

Overview: A versatile range offering you desirable power in an ultra-compact package, with low ownership costs, high residual value and the ability to meet any emissions targets.

Power: 10.2-49.2 kW (13.7-66 hp)

Emissions: Meets all levels of emissions legislation and easily optimised for Tier 4 Final.

The 400 Series offers you:

- Compact size and design
- Simple installation, even in the smallest machines
- Low noise and smoke levels
- Competitive cost of ownership
- 500-hour service intervals
- Two-year / 2,000-mile warranty

The advanced 400F model also offers:

- High resell value for lower regulated markets
- Automatic aftertreatment management
- Improved fuel and oil consumption
- A common platform, easily tailored to meet emissions targets anywhere in the world

TIER **Air**



850 Series

Overview: Responsive, compact, 4-cylinder engines offering you exceptional power density and torque and which meet stringent emissions legislation.

Power: 45-86 kW (60-115.3 hp)

Emissions: EPA Tier 4 Interim / EU Stage IIIB / MLIT Step 4 in the 854E and EPA Tier 4 Final in the 854F.

The 850 Series offers you:

- 40% more power than previous generations
- High power density combined with excellent torque
- Optimum fuel consumption for cost savings
- A single core engine platform for a wide range of applications
- High-quality and service-free components
- Compact, flexibly fitted aftertreatment
- Two-year / 2,000-hour warranty



1100 Series

Overview: Our most popular engine range offers you a choice of 3, 4 and 6-cylinder options for lower emission-regulated territories. Each model comes with excellent power density, flexible options, simple installation and overall low cost of ownership.

Power: 36.9-205 kW (49.5-275 hp)

Emissions: Up to EPA Tier 3 / EU Stage IIIA.

The 1100 Series offers you:

- A common platform engine designed for a range of markets
- High power density combined with excellent torque
- Low noise
- Optimum fuel consumption for cost savings
- A huge range of options to tailor your product to meet your needs
- Low cost of ownership
- Two-year / 2,000-hour warranty (36 months on major components)

TIER **Air**



1200 Series

Overview: Responsive, high-productivity 4 and 6-cylinder engines complying with the toughest global emissions legislation, offering you flexible features and low ownership costs.

Power: 61.5-225 kW (82.5-301.7 hp)

Emissions: Compliant with Tier 4 Interim / Stage IIIB / MLIT Step 4 – and easily optimised for Tier 4 Final.

The 1200 Series offers you:

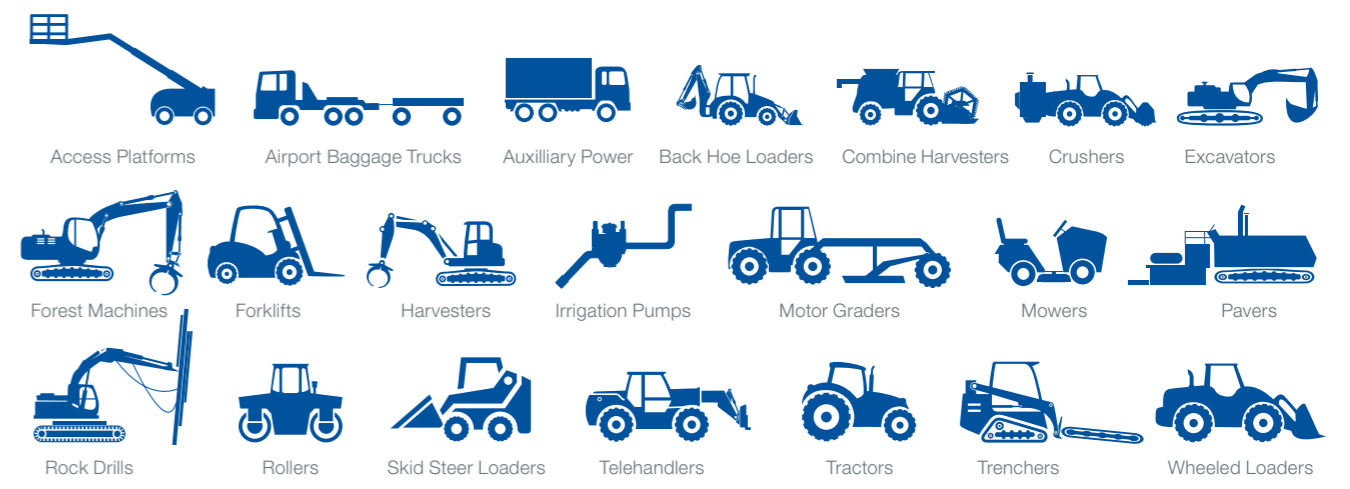
- 8% better fuel consumption than the 1100 Series
- Fast response, high power and torque levels up to 1257 Nm
- Multiple options for flexible and compact installation
- Common hook-ups for easy transition from Tier 3
- Reliable cold starts at -25°C as standard – up to -40°C with add-on cold packs
- Service-free diesel particulate filters on some models
- Two-year / 2,000-hour warranty

More details: A full product brochure and specifications are available from your nearest distributor and at www.perkins.com or www.tier4air.com.



Perkins engines power more than 5,000 different types of applications around the world, always giving you the **performance, durability and reliability** you can trust.

| Application | Perkins engines | | | | | | | | | |
|-----------------------------|--|---|---|--|--|---|---|---|---|---|
| | 400 Series 10.2-49.2 kW (13.7-66 hp) | | | 850 Series 45-86kW (60-115.3 hp) | | 1100 Series 63.5-205 kW (85.2-275 hp) | | | 1200 Series 110.1-225 kW (147.6-301.7 hp) | |
| | Cylinders | | | Cylinders | | Cylinders | | | Cylinders | |
| | 2 | 3 | 4 | 3 and 4 | | 3 | 4 | 6 | 4 | 6 |
| Skid Steer Loaders | | | ■ | ■ | | | | | | |
| Excavators (Including Mini) | | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ |
| Wheeled Loaders | | | | | | ■ | ■ | ■ | ■ | |
| Back Hoe Loaders | | | | ■ | | ■ | | ■ | | |
| Trenchers | | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | |
| Harvesters | | | | | | | | ■ | | ■ |
| Tractors | | | ■ | ■ | | ■ | ■ | ■ | ■ | ■ |
| Irrigation Pumps | | | | | | | | ■ | | ■ |
| Rock Drills | | | | | | | | ■ | | ■ |
| Crushers | | | | | | | | ■ | | ■ |
| Motor Graders | | | | | | | ■ | ■ | ■ | ■ |
| Screeners | | | | ■ | | | ■ | | | |
| Forest Machines | | | | | | | ■ | ■ | ■ | ■ |
| Mowers (Lawn and Garden) | | ■ | ■ | | | | | | | |
| Telehandlers | | | | ■ | | | ■ | | ■ | |
| Access Platforms | | | ■ | ■ | | | | | | |
| Forklifts | | | ■ | ■ | | | ■ | ■ | ■ | ■ |
| Airport Baggage Trucks | | | | ■ | | | | ■ | | ■ |
| Pavers | | | | | | | | ■ | | ■ |
| Rollers | | | ■ | ■ | | | ■ | ■ | ■ | ■ |
| Auxiliary Power | ■ | | | | | | | | | |





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 peace of mind with warranties
and service contracts

A reputation is built on trust and reliability, which is why we provide one-year warranties for constant speed engines and two-year warranties for variable speed models, as standard. These are supported by multilevel Extended Service Contracts that can be bought additionally and are tailored to suit your needs, offering extra reassurance that your engine is well cared for.

You can always count on us

We go the extra distance to bring you unrivalled service. That's why our UK and Singapore parts distribution centres operate around the clock, guaranteeing direct delivery of genuine Perkins parts wherever you are in the world.

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 which can significantly reduce your development time and costs, ensuring a maximum return on investment.

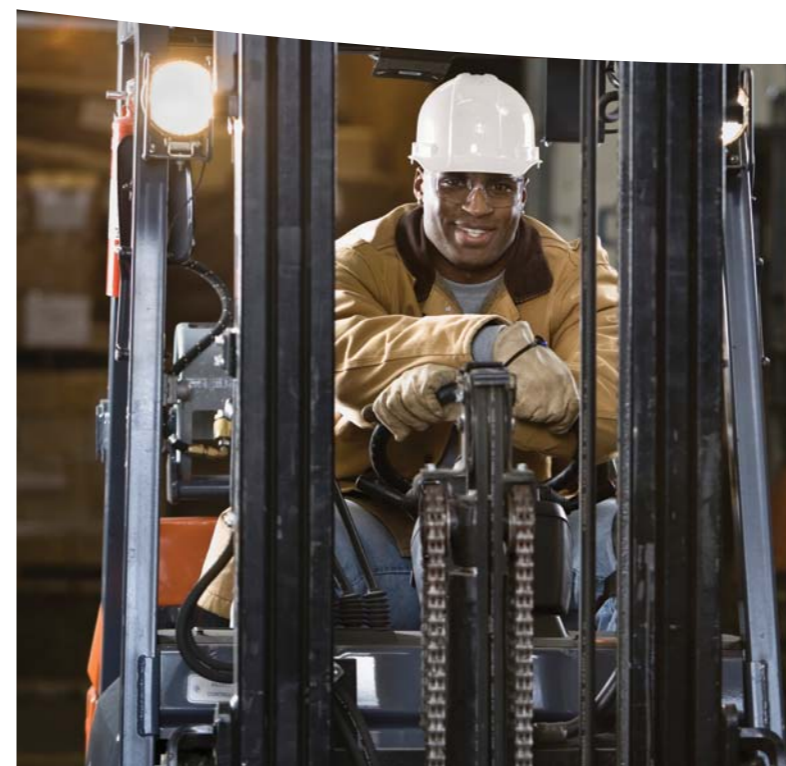
Discover more

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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