

# 1100

Series

## Outstanding performance

for lesser-regulated territories

 **Perkins**<sup>®</sup>

THE HEART OF EVERY GREAT MACHINE

# Power you can rely on

Our best-selling 1100 Series gives you outstanding performance, flexibility and low cost of ownership in regions governed by up to EU Stage IIIA / EPA Tier 3 emissions legislation. This currently accounts for around 75% of the world, including many countries going through rapid development and demanding dependable power across a huge range of applications.

The 1100 Series is developed on common platform technology with many of the same components, which means you will benefit from low inventory stocks and easy, cost-effective installation and servicing.

## Optional electronic control for precision power

Your flexible 1100 Series includes a wide range of models with a choice of natural, turbocharged or turbocharged chargecooled aspiration for when you need extra power, and can either be mechanically or electronically controlled. The latter offers you a smoother, faster response and greater fuel economy.

## Core technology for all your markets

Because the 1100 Series has been developed with you and your customers in mind, we have created a core design for all models in the range, with common hook-up points, components and front and rear ends. This considered, consistent design makes it easy for you to install different models in the same machines. And when the time comes for you to transition to higher regulated engines, we will work closely with you to make that transition simple while keeping your costs to a minimum.

## Helping you meet NVH regulations

As the 1100 Series has evolved, our engineers have increasingly minimised noise for greater operator comfort to meet noise / vibration / harshness (NVH) regulations in different territories. In our most advanced models, noise levels have been reduced by up to a huge 5 decibels.

## Low cost of ownership

With over 80 years' heritage, you can depend on our proven standards of excellence. So as well bringing you high productivity and reliability, your 1100 Series offers excellent low ownership costs. Our engines give you outstanding fuel economy and have been developed to use various standards of diesel fuel including biodiesel. You will also enjoy two years warranty and 500 hour service intervals with each engine, ensuring it stays hard at work and in peak condition.

## Factfile:

### 1100 Series

#### Overview:

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

#### Power:

36.9 - 205 kW (49.5 - 275 hp)

#### Ideal for:

A huge range of large to medium-size construction, agricultural, general industrial and materials handling applications including:



Backhoe Loaders



Tractors



Excavators



Telehandlers



Forklift Trucks



Rock Drills

#### Emissions:

Certified to EU Stage IIIA / EPA Tier 3.

#### Full specifications:

Available from your nearest distributor and at [www.perkins.com](http://www.perkins.com)

# Your 1100 Series

Our most popular engine series is designed for lesser emission regulated markets and offers you flexibility, high - power density, low noise, reliability and low cost of ownership.

## Choose your perfect power solution

### 1100A Series: EU Stage I / EPA Tier 1

Model	Cylinders	Power	Control	Maximum torque
1104A	4	63.5-80.5 kW (85.2-108 hp)	Mechanical	293-404 Nm (216-298 lb.ft)

### 1100C Series: EU Stage II / EPA Tier 2

Model	Cylinders	Power	Control	Maximum torque
1103C	3	43-55 kW (57.7-73.8 hp)	Mechanical	222-291 Nm (164-215 lb.ft)
1104C	4	64-97 kW (85.8-130.1 hp)	Mechanical	308-500 Nm (227-369 lb.ft)
1106C	6	105-162 kW (140-220 hp)	Mechanical	650-932 Nm (479.4-687.4 lb.ft)

### 1100D Series: EU Stage IIIA / EPA Tier 3

Model	Cylinders	Power	Control	Maximum torque
1103D	3	36.9-58 kW (49.5-77.8 hp)	Mechanical	196-310 Nm (145-228.6 lb.ft)
1104D	4	56-83 kW (75.1-111 hp)	Mechanical	265-418 Nm (195-308 lb.ft)
1104D	4	74.5-106 kW (99.9-142 hp)	Electronic	420-556 Nm (309-410 lb.ft)
1106D	6	89-205 kW (119-275 hp)	Electronic	545-1050 Nm (402-774 lb.ft)

### The 1100 Series gives you:

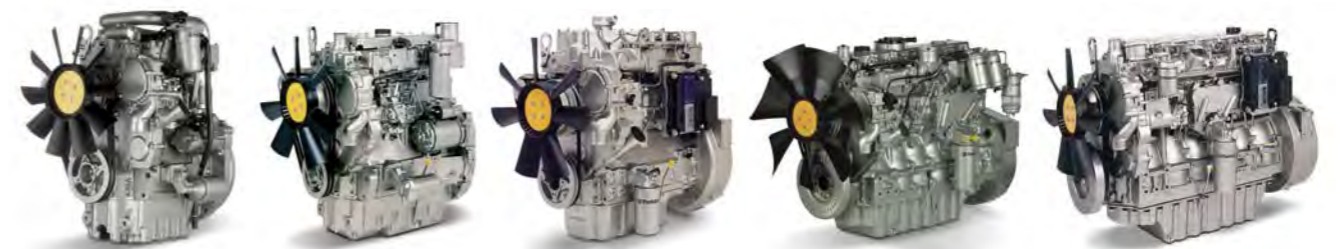
- A common platform engine designed for a range of markets
- Available in both mechanical and electronic variants
- High power density combined with excellent torque
- Low noise
- Optimum fuel consumption for cost savings
- A huge range of options to tailor your product to meet your needs
- Low cost of ownership
- Two-year / 3,000 hour warranty (36 months on major components)
- 500 hour service intervals

### Find out more

For full specifications visit [www.perkins.com](http://www.perkins.com).

### Looking for 1100 Series power generation?

See our electrical power brochure. [www.perkins.com/products](http://www.perkins.com/products)



1103D

1104C

1104D

1106C

1106D



#### Key

■ 1100 Series available

■ Highly regulated countries



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.

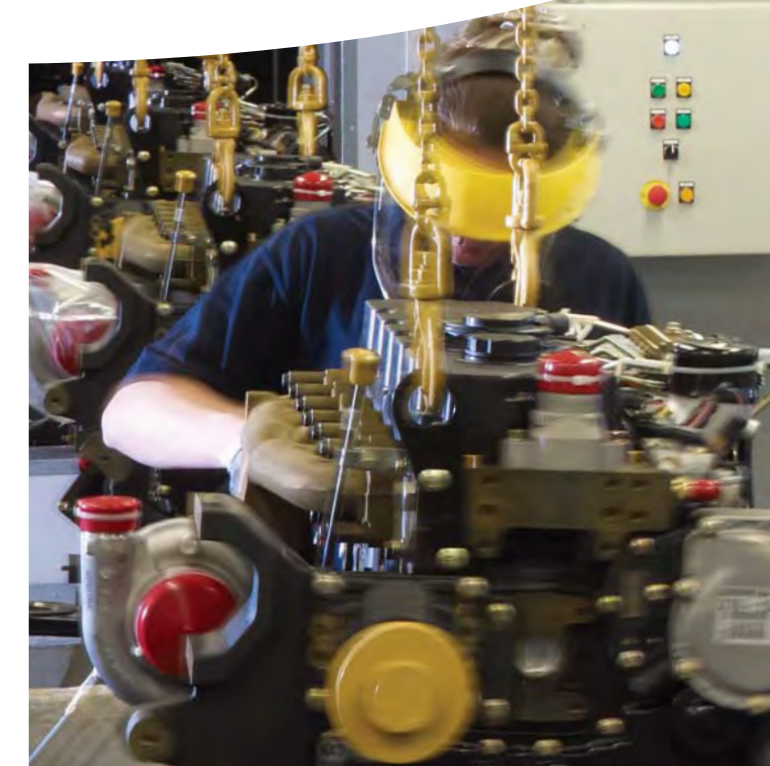
It's an approach our customers find stimulating and productive, and one which can significantly reduce your development time and costs, ensuring a maximum return on investment.

### Discover more

To find out how Perkins can help transform your business and to download detailed engine specification sheets, please visit [www.perkins.com](http://www.perkins.com).

### Other useful links

[www.perkins.com/distributor](http://www.perkins.com/distributor)



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 **Perkins®**

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