



Resilient and  
**robust power**  
for India's data centres

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

Investing in India

# working together to **supply** **power** you can **rely on**

You require large volumes of data to be constantly secure and cannot afford the detrimental impact a failure can have on your company. After all, a data centre's reliability is as only as good as its electricity supply. If the power goes down you need to know that your generator set will keep your business safe, secure and running smoothly.

That is why we have been working in India for the last 30 years, providing resilient and robust power solutions that offer you dependability and peace of mind when you need it most. You cannot always rely on the Indian power network but with a Perkins engine inside you will be leaving nothing to chance.

India is experiencing unprecedented economic growth, and we are excited that the data centre market is now the second largest sector in the Asia Pacific region, totaling US \$2.03 billion.

Recognising this serious economic expansion and the need for your continued productivity, we have invested US \$150 million in a state-of-the-art engine manufacturing plant in Aurangabad, Maharashtra. It is a commitment to India. And a commitment to you.

The world-class facility produces the highly successful Perkins® 4000 Series, adding to the 40,000 that are already providing vital power solutions to Original Equipment Manufacturers (OEMs) around the globe.

However stringent the demands that are placed on a data centre's generator set, whether it operates at prime, continuous or standby, a Perkins engine has the quality and reliability to ensure it performs each time, every time.





# Choose the **perfect power solution** for your **generator set**

Our 4000 Series engines are designed to consistently deliver exceptional performance, durability and low operating costs for power generation to the data centre industry. Their excellent reliability and uptime can be verified through historical data, and coupled with a competitive first price and unparalleled customer support, it makes a Perkins powered generator set the best choice every time.

## No time for downtime

Unplanned downtime can lead to financial loss and reputation damage for your business, that is why data centre resiliency is essential to an organisation's disaster recovery plan. Our range of 4000 Series engines operate at the following kVA ratings:

Engine Type	Data Centre Continuous (DCC) Rating (Typical)
4006-23TAG2A	750 kVA
4006-23TAG3A	800 kVA
4008TAG1A	900 kVA
4008TAG2A	1000 kVA
4012-46TWG2A	1250 kVA
4012-46TAG0A	1250 kVA
4012-46TAG1A	1350 kVA
4012-46TAG2A	1500 kVA
4012-46TAG3A	1700 kVA
4016-61TRG1	1850 kVA
4016-61TRG2	2000 kVA
4016-61TRG3	2250 kVA

These ratings are consistent with the requirements of the Uptime Institute's Tier III/IV classification requirements.

4000 Series



23 to 61 litre  
In-line 6 and 8 cylinder / Vee 12 and 16 cylinder  
750-2250 kVA (600-1800 kW)

**Overview:** This durable and economical range with proven technology offers you trusted reliability and clean efficient power. You can also benefit from exceptional power-to-weight ratio, improved fuel efficiency and ease of service access.

**Emissions:** Meets global and India's CPCBII emissions standards

**Perkins powered generator sets are the perfect choice for the Indian data centre industry, due to these outstanding features:**

- Excellent load acceptance leading to up to 73% quick load stabilization (cold)
- Ultra-compact size ensuring smaller machine footprint
- Economical operation with market leading power density
- Accessible, expert product support delivered by our distributor network
- Competitive total cost of ownership
- Capability to run at high altitude and up to 50°C ambient temperature
- 500 hours oil change interval (250 hours recommended for 750 kVA node with CPCBII emissions standards)
- Commonality of parts (common bore and stroke, 160 x 190 mm, for 4006 / 4008 / 4012 and 4016 engines) leading to reduced operating costs
- Competitive fuel consumption for both standby and prime applications

### Find out more

You can find full specifications of our engines at: [www.perkins.com/power](http://www.perkins.com/power)



## Enjoy peace of mind with our warranties

Our reputation is built on trust and reliability, which is why we provide a a two-year / 6,000-hour warranty for prime application.

These are supported by Perkins® Platinum Protection, the best extended cover for your engine. Offering you flexible packages between two and ten years, it's unbeatable value for money with no excess to pay. Stay protected with Perkins Platinum Protection.

## We have India covered

Our two distribution partners in India - Gmmco Power and Powerparts Private Limited share a commitment to deliver the highest standards of support to our customers.

They have an in-depth knowledge of power generation in their territories and understand the environment, local legislation and reliability of the power grid. In short, they know what works – and what does not – in your region.

This network has one certified engineer for every ten engines installed, so you can always count on us to provide the support you need, wherever you need it.

### Gmmco Power

States Central, West and South India  
Email: [perkins.sales@gmmcoindia.com](mailto:perkins.sales@gmmcoindia.com)  
[www.gmmco.in/power](http://www.gmmco.in/power)

### Powerparts Private Limited

States in North and East India  
Email: [powerparts@powerparts.in](mailto:powerparts@powerparts.in)  
[www.powerparts.in](http://www.powerparts.in)







# Meeting India's demand for **dependable power**

## You can always count on us

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

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.

Your needs are our number one priority and by working together we guarantee you will have the engines and options that perfectly match your requirements. We ensure:

- World-class design and manufacturing
- Collaboration with engine experts
- Sustainable, clean engines meeting applicable emissions standards
- Competitive offering
- Distributor network that provides full product support

Our reputation for excellence and an unrivalled global support network will give you the strength and confidence to attract and retain customers, growing your business well into the future.

We have been working in India for more than 30 years to support your power solutions needs. Our products are the engines of choice for the City Centre Mall in Haldia, West Bengal and the FIFC (First International Financial Centre) in Mumbai.

With over 85 years' engines expertise, we have produced more than 20 million engines worldwide, developing a global reputation built on the trust earned from our customers.

By sharing our expertise we continue to deliver world-class power solutions that support the growth of India's economy and sustain the data centre industry's increasing demand for dependable energy.



## Perkins Sales Offices

### Americas

#### North America

1600 W Kingsbury St  
Seguin  
Texas 78155, United States  
Toll free number: 1-888-PERK-ENG

#### South America

Rua Dr. Chucri Zaidan, 1240  
Golden Tower – 17th Floor  
São Paulo – SP CEP 04711-130  
Brazil  
Tel: +55 11 2109 2038

### Asia

#### China

20/F Lei Shing International Plaza  
1319 West Yan'an Road  
Shanghai 200050  
China  
Tel: +86 21 22160774  
Fax: +86 21 52136624

#### India

Floor 6, Tower 'B' Prestige Shantiniketan  
The Business Precinct, Whitefield Main Road  
Bangalore 560048  
India  
Email: IPSD\_India@perkins.com

#### Singapore

14 Tractor Road  
Singapore 627973  
Tel: +65 6828 7469  
Fax: +65 6828 7414

### Europe, Middle East and Africa

Peterborough, PE1 5FQ  
United Kingdom  
Tel: +44 1733 583000

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

Copyright © 2018 Perkins Engines Company Limited, all rights reserved. No part of this document may be reproduced in any form or by any means, without prior written permission of Perkins Engines Company Limited. The information in this document is substantially correct at the time of printing and may be altered subsequently.  
Publication No. PN3091EN/06/18



THE HEART OF EVERY GREAT MACHINE