# POWER GENERATION SYSTEMS

SCANIA

# SOLUTIONS FOR EVERY DEMAND

Meet the Scania power generation engines. A complete line-up of uncompromising single-speed power packs supplying a wide range of outputs in displacements 9, 13 or 16 litres. From the no-compromise design and industry-leading quality to the proven reliability that derives from over a century of passionate engineering.

In a world where the demands for safe, sustainable, dependable and cost-efficient power generation constantly grow, our engines are developed to meet and exceed your toughest expectations. So when you seek to optimise your power generation products, and want an engine that strengthens your brand, Scania is your answer.

MINIMISED FUEL CONSUMPTION

IMPRESSIVE POWER DENSITY

RELIABLE POWER AT ALL TIMES

BIG POTENTIAL TO REDUCE $CO_2$ EMISSIONS

# RELIABLE POWER. ANYWHERE. ANY HOUR.

Prime power or standby power? Open or sound attenuated gensets? Or permanent installations? Irrespective of product solution and end-user application, any Scania engine of your choice will reward your customers with unparalleled operating economy, outstanding efficiency and proven reliability. 24 hours a day, 365 days a year.

The engine range features three sizes – from the versatile 9-litre and the efficient 13-litre inlines, to the impressive 16-litre V8. All compliant with the toughest emission regulations.

**Prime power**
Rough construction sites. Remote road projects. Festivals and concerts. Mining operations and research stations. These are just some examples of the harsh environments in which Scania engines excel. Find out why they are renowned for their consistent, economical and uninterrupted delivery of electrical power.

**Standby power**
In our complex and digitalised world, access to backup power is crucial in order to safeguard business, services and safety. Scania's track record of outstanding reliability makes our engines extremely well-suited for hospitals, airports, financial centres or any other environment where power downtime is simply not an option.

**Continuous power**
With excellent fuel consumption and long service intervals, Scania engines are ideal for continuous power delivery – for example at remote power plants or for base load operation. A multiple installation with synchronised engines is the most fitting way to meet large power requirements. This offers the advantage of outstanding flexibility and the possibility of always operating at peak efficiency.

**Controlling emissions and fuel economy**
At Scania, we embrace every effort to reduce the effects on climate and environment. This is why emission control goes hand in hand with our strive to minimise fuel consumption and develop technologies for alternative fuels. Whichever specification you choose, you can relax knowing that every cubic millimetre of fuel is converted to productivity in the cleanest and most economical way possible – with minimum $CO_2$ emissions at every emissions regulation level.

**The power of simplicity**
The fact that every Scania engine – for trucks, buses, boats, industrial equipment and power generation – is built from standardised components means unique flexibility, outstanding economy and short time-to-market. And for the end-user, it contributes to higher parts availability, minimum waste and easy servicing for a single technician. And you can always rest assured that every single part is the result of an evolution based on proven technologies and a wealth of experience from applications all over the world.

**Compact dimensions. Common footprint.**
The Scania engine is compact and impressively streamlined by default, which facilitates design, integration and installation. For each engine model – 9-, 13- or 16-litre – there is a complete line-up of power ratings to choose from, for both prime and standby power. And since the engine footprint is identical for the different emissions certification versions of each stroke volume, life is simplified for genset manufacturers operating globally.

**Outstanding operating economy**
Scania has a worldwide reputation of delivering outstanding operating economy based on high-quality products, services and support. And our engines make no exception. They have been proven, tested and trusted in vehicles and equipment in the toughest conditions on different continents. For your products and your brand, and for your customers, this means added value and a paved way to trustful and profitable business.

**Engineered for uptime**
Uptime depends on many factors. The robustness and dependability of engine components and vital engine systems. The simplicity of maintaining and repairing, as well as the overall durability. At Scania we take all this into consideration – providing longer service life and extended service intervals, with up to 1000 hours between oil changes and maintenance.

**Exceptional step-load handling**
Legendary power and reliability make our engines ideal for standby power applications. In case of power loss, the engine responds instantly. Designed to handle high load variations effectively, the engines from Scania make a true difference when power supply is imperative.

**100,000 proofs of excellence – a year**
Scania is one of the world's leading engine manufacturers, with more than a century of engineering experience backing up our constant development of cutting-edge solutions for heavy-duty applications. Around 100,000 Scania engines are manufactured each year. This means outstanding availability of products and parts, and unparalleled uptime.

**Worldwide service network**
With around 2,000 service workshops all over the world, the availability of professional services, assistance and advice leaves nothing to be desired. Many of our authorised workshops are ready and reachable around the clock, 365 days a year.

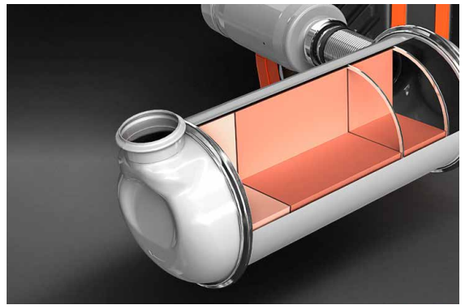
# PURE SCANIA. DOWN TO THE NANOMETRE.

The Scania engine is designed and built inhouse for use not only in power generation, industrial and marine applications – but also naturally in our road transport vehicles. So, while constantly innovating to meet the tough demands of our customers, literally millions of operating hours in even the most challenging conditions, provides continuous proof that we are maintaining our industry-leading standards of dependability and quality. For the power generation engine platform, this evolution has led to a pioneering leap towards longer-lasting and more fuel-efficient engines, that deliver the uncompromising power and reliability that you have come to expect from Scania.

**Scania EMS**
Solid integration is key to secure control over all aspects of engine performance and emissions. That's why we develop our engine management systems in-house, controlling all functions electronically – from fuel injection to exhaust gas aftertreatment. The Scania EMS (engine management system) also provides advanced diagnostics and allows detailed logging of operational data for subsequent analysis. All bringing benefits in both maintainability, optimisation and continuous improvement of the platform.

**Scania XPI**
Scania XPI (extra high pressure injection) is a Scania-designed common rail fuel injection system that makes continuous, precise adjustments to ensure optimal fuel delivery. The system varies the volume and timing of injection, thereby minimising consumption and emissions without restricting step load performance. With Scania XPI, pressure can be set independently of engine speed, with exceptional precision.

**Scania PDE**
The Scania PDE fuel injection system makes continuous, precise adjustments to ensure optimal fuel delivery in all conditions. The system is able to vary the volume and timing of injection, thereby minimising consumption and emissions without restricting torque build-up and step-load handling.



**Emission control options**
Scania SCR (selective catalytic reduction) is a proven aftertreatment system ensuring that exhaust gases are released with minimum nitrogen oxide (NOx) content. A urea-based additive, AdBlue/DEF (diesel exhaust fluid), injected into the exhaust, converts the toxic nitrogen oxides into harmless water and nitrogen gas. Scania SCR is easy to handle, very reliable and does not affect torque and power output. Scania EGR (exhaust gas recirculation) partly reuses exhaust gases, enabling reduced NOx levels and a strong environmental performance for a wide variety of applications.

**Scania saver ring**
Fitted inside the cylinder, the Scania saver ring removes soot and other residue from the upper part of the piston, thus contributing to enhanced reliability, less need for maintenance and longer service life.

# PRODUCT OVERVIEW

Our engineering approach is formulated to achieve maximum freedom of choice, flexibility and availability. And thanks to lean and agile production under industry-leading quality standards, we can provide you with engines as well as parts with short lead times.

Starting out from the basic engine, we customise solutions regarding interfaces and additional equipment in line with your demands. Working in close cooperation with your engineers, we share our expertise and provide support in order to facilitate integration and optimise every part of the installation process.

Ready to start generating value? Select your Scania engine today.



## 9-LITRE ENGINES*

The DC09 is a turbocharged, 4-stroke diesel engine with unit injectors or high pressure injection fuel system and Scania engine management system.

| | |
|---|---|
| **Configuration:** | 5 inline |
| **Displacement:** | 9.3 litres |
| **Bore x stroke:** | 130 x 140 mm |
| **Weight dry:** | 950 kg |
| **Output range, prime power :** | 250–330 kVA (50 Hz)<br>250–366 kVA (60 Hz) |
| **Output range, standby power:** | 280–361 kVA (50 Hz)<br>309–405 kVA (60 Hz) |

## 13-LITRE ENGINES

The DC13 is a turbocharged, 4-stroke diesel engine with high pressure injection fuel system and Scania engine management system.

| | |
|---|---|
| **Configuration:** | 6 inline |
| **Displacement:** | 12.7 litres |
| **Bore x stroke:** | 130 x 160 mm |
| **Weight dry:** | 1,070 kg |
| **Output range, prime power :** | 300–600 kVA (50 Hz)<br>300–600 kVA (60 Hz) |
| **Output range, standby power:** | 330–660 kVA (50 Hz)<br>330–660 kVA (60 Hz) |

## 16-LITRE ENGINES

The DC16 is a turbocharged, 4-stroke diesel engine with unit injectors or high pressure injection fuel system and Scania engine management system.

| | |
|---|---|
| **Configuration:** | V8 |
| **Displacement:** | 16.4 litres |
| **Bore x stroke:** | 130 x 154 mm |
| **Weight dry:** | 1,340 kg |
| **Output range, prime power :** | 450–725 kVA (50 Hz)<br>400–725 kVA (60 Hz) |
| **Output range, standby power:** | 567–800 kVA (50 Hz)<br>553–800 kVA (60 Hz) |

*Our engines are available in both low-emission and unregulated emission models, with a range of certifications including EU Stage V, China Stage IV and US Tier 4F. Depending on emission compliance, the rating and output range may vary. For further details, please check the technical specification sheets on your local Scania market site.*

** Our 9-litre engine platform will be in production until the end of 2026, naturally with years of continued support and spare parts availability thereafter.*

**Scania CV AB**
SE 151 87 Södertälje, Sweden
Telephone +46 8 55381000
mail@scania.com
www.scania.com