
INDUSTRIAL
POWER
SOLUTIONS
SCANIA

HEAVY-DUTY POWER

100,000 PROOFS OF EXCELLENCE – A YEAR

Scania power systems deliver best-in-class fuel and energy efficiency while securing equipment uptime, dependability, durability and robustness. And through constant development of cutting-edge solutions, including both battery electric and hybrid powertrain configurations, we can help you meet the increasing sustainability demands without compromise.

With 100,000 engines produced every year, each one is the result of our proven track-record – enabling the promise of a longer lifespan than ever before. A simplified service concept, ready parts availability and proactive support means further peace of mind for your business.

When there's hard work to do, you need a power provider that will really deliver – not only state-of-the-art heavy-duty engines, but the agile approach and committed support you need to keep your business operations running smoothly, each and every day of the year.

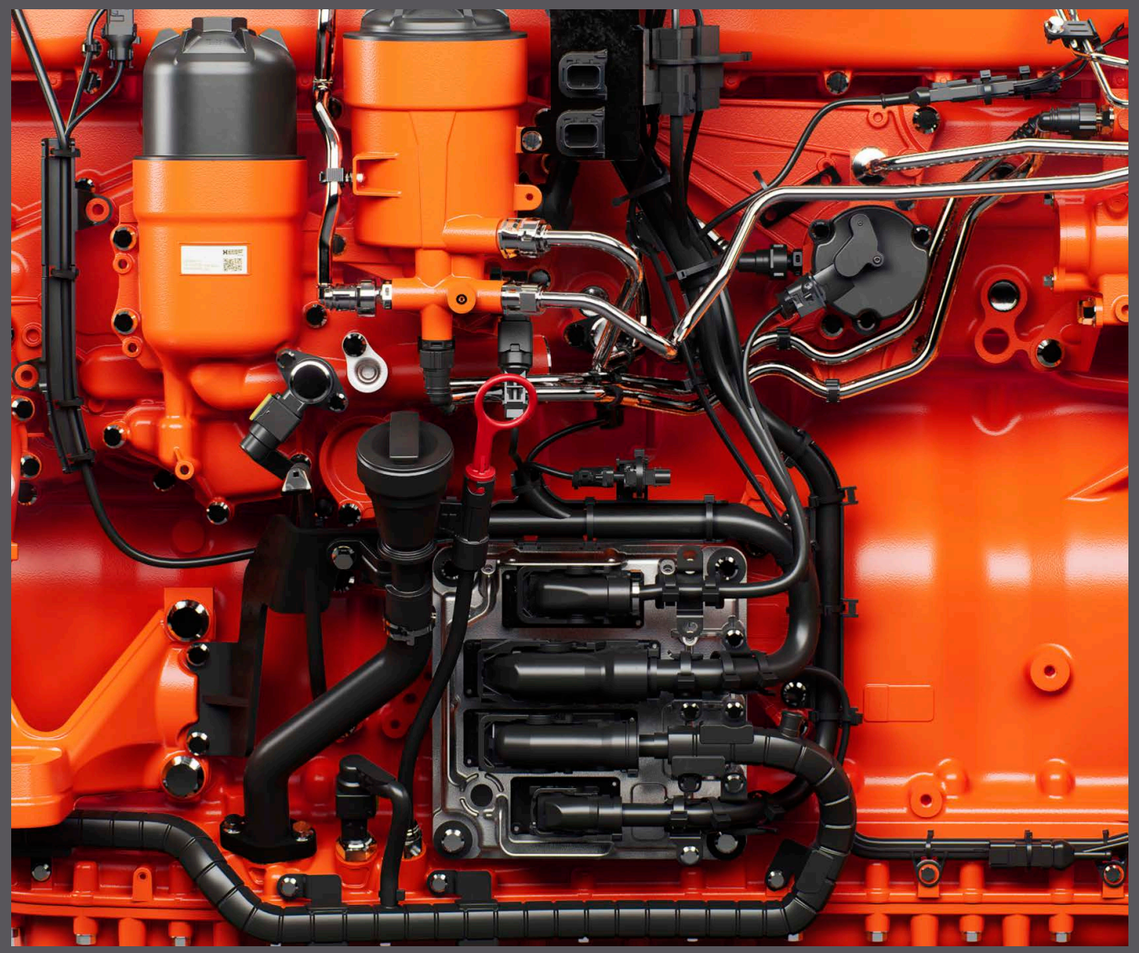
MINIMISED FUEL CONSUMPTION

BEST-IN-CLASS POWER DENSITY

RELIABLE POWER AT ALL TIMES

SAVE TONS IN CO_2 EMISSIONS EACH YEAR

OPTIMISED DESIGN AND INSTALLATION



With our expertise and flexible approach, we facilitate the design and installation processes and optimise the powertrain according to your application.

Efficient engines for every application
Scania offers products that are specifically designed according to a number of applications and ready to meet the particular needs of your operation. All engines are compact and streamlined by default, making them ideal to build into any application. The engine footprint is practically identical irrespective of emission steps, simplifying life for manufacturers operating globally, across different markets with different needs. For every engine model – 9-, 11-, 13- or 16-litre – there is a complete line-up of power ratings and emission steps to choose from. A perfect fit for every market, without the need for additional engineering or adjustments to your designs. Further, the unique Scania modular concept also contributes to a simplified and cost-efficient design and installation process.

Application support and powertrain optimisation
When industry-leading experience meets tough customer demands and bright design ideas, great things happen. By taking part in your process as early as possible, the Scania application engineer is able to help you make things right from the beginning, thus contributing to smart solutions, cost-efficient installation and perfectly fitted end-products.

Based on analysis of your needs, the Scania engineer suggests an optimised configuration including technical specifications. The final tailored solution, along with technical information, drawings and 3D models are all parts of our pre-installation package. The next stage, the installation, is supported by comprehensive installation manuals and continuous guidance of the Scania application engineer.

Installation approval
The Scania installation approval program is part of and concludes the installation process, including thorough inspection and participation at the first performance tryout. The purpose of the test runs is to make sure that the entire system performs according to specifications. Engine temperature, load at rated engine speed, boost pressure and vehicle speed are examples of parameters being measured with diagnostic tools. The results are collected, analysed and commented in the Scania installation report. When necessary, Scania will help with suggestions to improve the installation. As soon as the installation complies with Scania's requirements for ideal performance, the installation approval is granted.

PRODUCT OVERVIEW

Taking advantage of proven Scania solutions as a basis for further development, our engineers continue to be at the forefront of technology. While fuel-consumption and environmental impact is constantly reduced, our engines still deliver the power and torque you have come to expect from Scania.

Our engines, along with the aftertreatment systems, are designed and built in-house. They are known for industry-leading standards of reliability and efficiency. Starting out from the basic engines, we customise solutions regarding interfaces and additional equipment in line with your demands.

9-LITRE DC09 ENGINES*

Configuration: inline 5 cylinder
Displacement: 9.3 litres
Bore x stroke: 130x140 mm
Weight dry: 950 kg
Output range: 202-294 kW
Max Torque: 1,876 Nm at 1,400 rpm

11-LITRE DC11 ENGINES

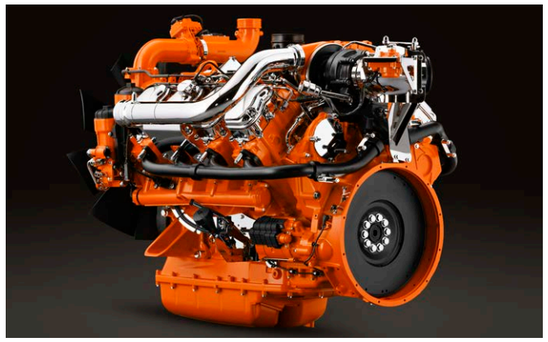
Configuration: inline 5 cylinder
Displacement: 10.6 litres
Bore x stroke: 130x160 mm
Weight dry: 970 kg
Output range: 202-368 kW
Max Torque: 2,523 Nm at 1,200 rpm

13-LITRE DC13 ENGINES

Configuration: inline 6 cylinder
Displacement: 12.7 litres
Bore x stroke: 130x160 mm
Weight dry: 1,075 kg
Output range: 202-450 kW
Max Torque: 3,000 Nm at 1,200 rpm

16-LITRE DC16 ENGINES

Configuration: 90° V8
Displacement: 16.4 litres
Bore x stroke: 130x154 mm
Weight dry: 1,340-1,380 kg
Output range: 368-574 kW
Max Torque: 3,342 Nm at 1,400 rpm



Our engines are available in both low-emission and unregulated emission models, with a range of certifications including EU Stage V, Korean Tier 5, 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 available for order until the end of 2026, naturally with years of continued support and spare parts availability thereafter.*

Scan to read more about our power solutions.

MODULARITY IN ELECTRIFICATION

In-house developed Scania electrification solution simplifies your electrification initiatives, by offering standardised interfaces, along with a well-thought-out assortment of components including e-machines, batteries, and auxiliary equipment, which work seamlessly together and are controlled centrally by the Scania Power Control System (PCS) allowing you to standardise your electrified drivetrain irrespective of a parallel-hybrid or a battery electric operation.

ELECTRIC MACHINE

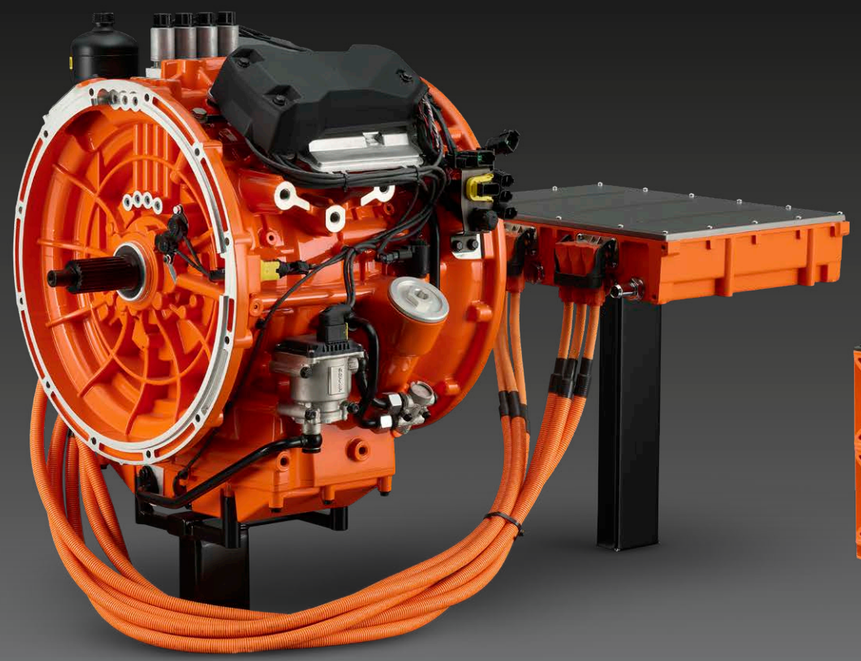
Power*:	230 kW continuous @ 2,100 rpm 295 kW peak @ 1,400 rpm, also available in 150, 180, 200kW continuous power
Torque*:	1,400 Nm continuous 2,000 Nm peak @ 0–1,400 rpm
Speed range:	0-2,900 rpm
System voltage:	650 V (DC)
Cooling:	Oil cooled
Interface to combustion engine and powertrain:	SAE 1 flange
Clutch:	Integrated dog clutch to combustion engine
Weight:	280 kg (including inverter)
Dimensions (L x W x H):	495 x 660 x 705 mm

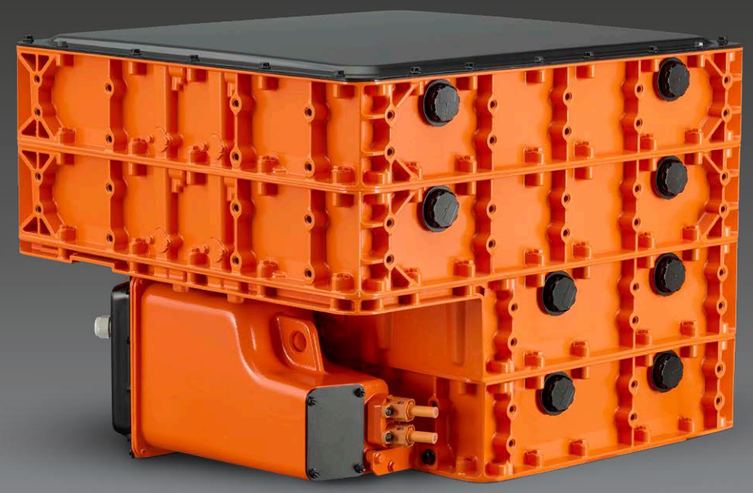
**The performance figures are dependent to certain conditions*

BATTERY PACK B8 408

Cell chemistry:	Lithium Ion NMC / graphite
Installed energy:	89 kWh; also available in 178 kWh
System nominal voltage:	650 VDC
Installed capacity:	132 Ah
C-rate (Discharge/Charge):	Up to 1.5 / Up to 1.8
Continuous power (Discharge/Charge):	139 kW / 119 kW
Weight:	~620 kg
Dimensions (L x W x H):	900 x 775 x 636 mm

The electric performance specifications apply at nominal voltage 650 V DC and at beginning of life. The total values depend on usable energy factor and state of charge.





COOLING SYSTEM
E-machine cooling
Batteries and inverter cooling
Heat exchangers

CHARGING INTERFACE
DC Charging CCS2
AC Charging on-board charger

MECHANICAL CONNECTION INTERFACE
Flexible coupling
Friction clutch
End yoke
DIN flange
Cross tooth flange
Flex plate
Protective cover – front/back e-machine

AUXILIARY EQUIPMENT
DC/DC converter
Electrohydraulic steer pump
Air compressor
External water heater
External cooling compressor
Coolant pump
Battery connection fuse box
Battery connection junction box
VCB cables – inverter to e-machine, battery to CEU
VCB cable connectors
Communicator

NO JOB TOO TOUGH

Need more power without upsizing? You got it. More torque? Sure. Oh, and could you make it quieter and more fuel efficient too? Why not? The cutting-edge technology and ground-breaking engineering behind our inline engine platform is the gift that just keeps on giving, setting new benchmarks for power, efficiency and engine lifetime across the industry.

Scania engines are important contributors to increased efficiency, minimized environmental impact, and maximised uptime. In short, our solutions will help you redefine productivity.

Instant response and high power utilisation
Our streamlined engines are high-performing machines with a strong power-to-size-ratio. When powered by Scania, operators can expect instant response, uncompromising torque at low revs, and agile performance at any speed. Through excellent ratings, Scania power is available for utilisation whenever needed and makes hard work both enjoyable and efficient, even during long hours.

Innovating with simplicity
We have spent over a century improving the performance, efficiency and durability of our engines. Every element has been meticulously designed and engineered to better meet your needs – from a common compact footprint size to a fully modular system. We've left no stone unturned when it comes to enabling easy servicing and maintenance, installation and the ready availability of parts, so you can buy with confidence.

Durability you can count on
We are industry leaders when it comes to durable engines that deliver more, for longer. Working not only to prevent downtime in the most critical operations, but also to create engines that last longer than ever before.

COMPETITIVE TO THE CORE

Designed for uninterrupted performance in even the most demanding of environments, Scania's industrial power systems are not only built to last, but also to deliver maximum power from every drop. Whether deployed in construction and material handling equipment, material processing, agricultural machinery or special purpose vehicles, they ensure the same combination of instant response, high torque at low revs and industry-leading energy efficiency to benefit your operation. In fact, there is a market leading Scania Power Solution for each and every heavy industrial application.

Construction and mining operations
Dumpers plunging through rough construction sites. Wheel loaders securing crucial deliveries at remote road projects. Excavators keeping momentum in the harshest weather. These are typical scenarios where Scania performs with a proven standard of excellence – with no room for compromise. The construction business is a challenging one and here, uptime is key. Scania offers robust and dependable engine solutions with excellent power-to-size, instant response, and uncompromising torque – so you can relax, knowing the hardest jobs are being managed to the highest standard.

Material processing and recycling
From efficient stone crushers in a rough mining environment, to tough wood choppers and forestry equipment – combining high-precision handling with relentless power, no application is too demanding for a Scania engine. Our versatile stationary engines ensure unrivalled performance as well as easy installation and maintenance, for primary or back-up power services.

Compressor and pump applications
Scania engines excel in demanding remote operations. Be it by powering reliable water pumps in vulnerable areas, delivering for a challenging solution for waste processing, or driving powerful compressors on remote off-grid locations, Scania's power solutions are the answer for special applications which often call for flexible and reliable solutions.

Material handling and port equipment
At a time where supply chains are under greater pressure than ever, cost-efficient handling of goods plays an extremely important role, not the least in ports. Here, uptime is the principal focus. Featuring instant response, low operational cost and long service intervals, Scania engines are really in their element. With loads of power and reliability, they make sure reach stackers, cranes, straddle carriers, and various types of trucks work together round the clock to handle the tight margins and busy operations.

Agricultural operations
Nature has its own mind and makes its own plans. When time is of the essence for taking care of your crops, you need a proven workhorse to rely on. A combine, heavy-duty tractor or beet and sugarcane harvester – no matter the application, or when you need it, Scania is your reliable partner. Agricultural operations aren't just about efficiency; it also involves care for the environment, land and soil. To us, this goes hand-in-hand with Scania's sustainable approach, incorporating features like extended uptime to minimise unnecessary waste of resources, fuel efficiency, and low emissions.

Airport equipment and utility vehicles
Scania has a track record of success within airport rescue and firefighting vehicle applications, offering the ultimate in fast emergency response when there is no room for delay. Scania is recognised as the premium brand in airport emergency power solutions thanks to unsurpassed reliability, industry leading durability, and adaptability for the required uses.

Power for stationary operations
Our stationary engines are designed to ensure maximum performance as well as easy installation and maintenance. Whether for primary or back-up power services, our engines feature durable, dependable solutions for reliable and versatile power management at large-scale industrial and commercial sites.

WE DRIVE THE SHIFT TO SUSTAINABLE POWER SOLUTIONS

Reliable performance is key, and our major focus is to design as efficient and durable engines as possible. In parallel, we embrace every effort to reduce the effects on climate and the environment. This is why there is a Scania engine for every existing and foreseeable emission level.

At Scania we believe the future is electric and are leading research and development into electric power solutions, but that doesn't mean the sustainability of ICE solutions cannot be improved while they are still in operation. Our combustion engine solutions have long been considered best-in-class and are fully emission compliant – but we believe it is necessary to go further when powering industry transformation.

Translated into concrete numbers, our 13-litre Stage V industrial engine, for example, produces up to 10 tons less CO_2 emissions per each 1,000 operating hours at 100% load, compared to its 13-litres predecessor in the same emissions class.

We are committed to driving change, and embrace every effort to reduce emissions and environmental impact – whether on the road or in an industrial setting. Scania engines offer solutions to meet the sustainability demands and emissions targets of every market, including renewably-fuelled and electric engine options.

You can be sure that whichever specification you choose, every cubic millimetre of fuel is converted in the most efficient way possible.

When every drop counts
Scania has a worldwide reputation as a supplier of state-of-the-art products, services, and support – always with a strong environmental approach. Our engines make no exception; thanks to outstanding fuel efficiency and powertrain adaptation to any type of application, our customers will benefit from excellent operating economy and exceptional environmental performance.

In control of emissions
Our engines are available with a range of emission certifications, including EU Stage V, China Stage IV, Korean Tier 5 and US Tier 4F. We also offer CO_2 optimised options with a focus on lowering emissions in unregulated countries. With the potential to save of tons of CO_2 every year, Scania's engines offer a smart choice to future-proof your business for environmental standards and regulations. Fuel types are also flexible, including 20% blends of biodiesel/FAME, as well as compatibility with 100% HVO, unlocking even more potential, reducing CO_2 emissions by up to 90% compared to standard diesel.

MINIMUM EMISSIONS MAXIMUM PERFORMANCE

No matter if you are looking to minimise the exhaust gas ventilation needs from operating power hungry equipment deep underground, or maximising performance where response and acceleration is key – like for an airport emergency vehicle where every second matters – electrification and hybridisation offer significant opportunities.

A comprehensive platform
Building or retrofitting equipment for an electric means of propulsion or operation can be a daunting endeavour. As such, minimising complexities, dependencies and uncertainties is essential. That's why we don't just offer off the shelf electric machines and battery packs, but rather fully integrated solutions. Of course, with our compact and powerful electric machines and long-life battery packs at the core – combined with an in-house developed battery management system, versatile hybrid engine management, smart charging and battery conditioning. All integrated to work standalone, or in seamless hybrid operation with our internal combustion engines – tailored to your needs, your design parameters and your engineering requirements. With our stamp of quality, and promise of support backing it all up.

MAXIMISED UPTIME

THROUGH STRONG PARTNERSHIPS

We, at Scania are very well aware that our customers have NO time for downtime. Our highly reliable products, unique modular concept, and strong pre- and aftermarket support enable us to keep your machine up and running.

Amplify competitiveness
To most professionals, downtime is really bad news. And the longer the standstill, the harder it hits the bottom line. With this in mind, every part of the Scania industrial solution is developed to maximise uptime. All the way from the robustness and dependability of our engines and vital engine systems, to the optimisation of the products and the dedication of the people who are standing by to support you. Further, taking the right care of machinery and equipment is key to prevent unexpected downtime. Scania's maintenance programs, as well as technical documentation, manuals and education programs, are developed to strengthen your competitiveness.

A worldwide service network
With a network of around 2,000 service workshops all over the world, professional support and assistance is never far away. And thanks to the unique modular concept, service is facilitated for a single technician. Also, a large share of our authorised workshops are ready and reachable 365 days a year, ensuring downtime is kept to a minimum.

Outstanding parts availability
Scania's parts logistics network is one of the most advanced and reliable in the world. The global system comprises a central hub, satellite warehouses on every continent and, of course, your local Scania representative. Our efficient network, together with our modular system, enable us to deliver the right part at the right time and in the right place – and the machine can be up and running again in no time.

Infinite endurance
At Scania, efficiency is a word of honour that imbues all our operations. From development and design to repairs and service, we strive to maximise efficiency and minimise waste. As a result our engines present unmatched quality and durability, supported by our renowned modular concept with shared components for efficient service and parts availability.

Scania CV AB
SE 151 87 Södertälje, Sweden
Telephone +46 8 553 810 00
www.scania.com

Edition 2026.05 26MC093