

# SCANIA



URBAN TRANSPORTS: TECHNICAL SPECIFICATIONS AND OPTIONS

# FOR THE ONLY CITY THAT MATTERS. YOURS.



# MANAGING THE TIGHTEST MARGINS



Dense city traffic and tight schedules are familiar components for anyone operating in urban environments. Multiple pick-ups and drop-offs on narrow streets demand skilled drivers, as well as versatile and agile vehicles. Scania's range of urban trucks and services provides robust and reliable solutions, entirely dedicated to take on the challenges of urban operations.





# OPTING FOR TAILORED PERFORMANCE

Get maximum gain from your Scania by smart adaptations. Check out the options and features that will help making your transports more efficient, your drivers more safe, skilled, and comfortable – and your business more profitable.

## **The new L-series – designed for urban services**

Tailored for hectic operations in tight city conditions with multiple pick-ups and drop-offs, our new L-series cab combines a spacious interior with compact exterior dimensions. It sits low and puts you on the same level as other vehicles travelling the city streets. It is also placed far forward on the chassis with the engine tunnel out of the way, enabling outstanding cross-cab access and visibility. The lower entry and comfortable kneeling function also help to minimise strain on your drivers' knees and arms.

## **Scania CrewCab – always ready for the unexpected**

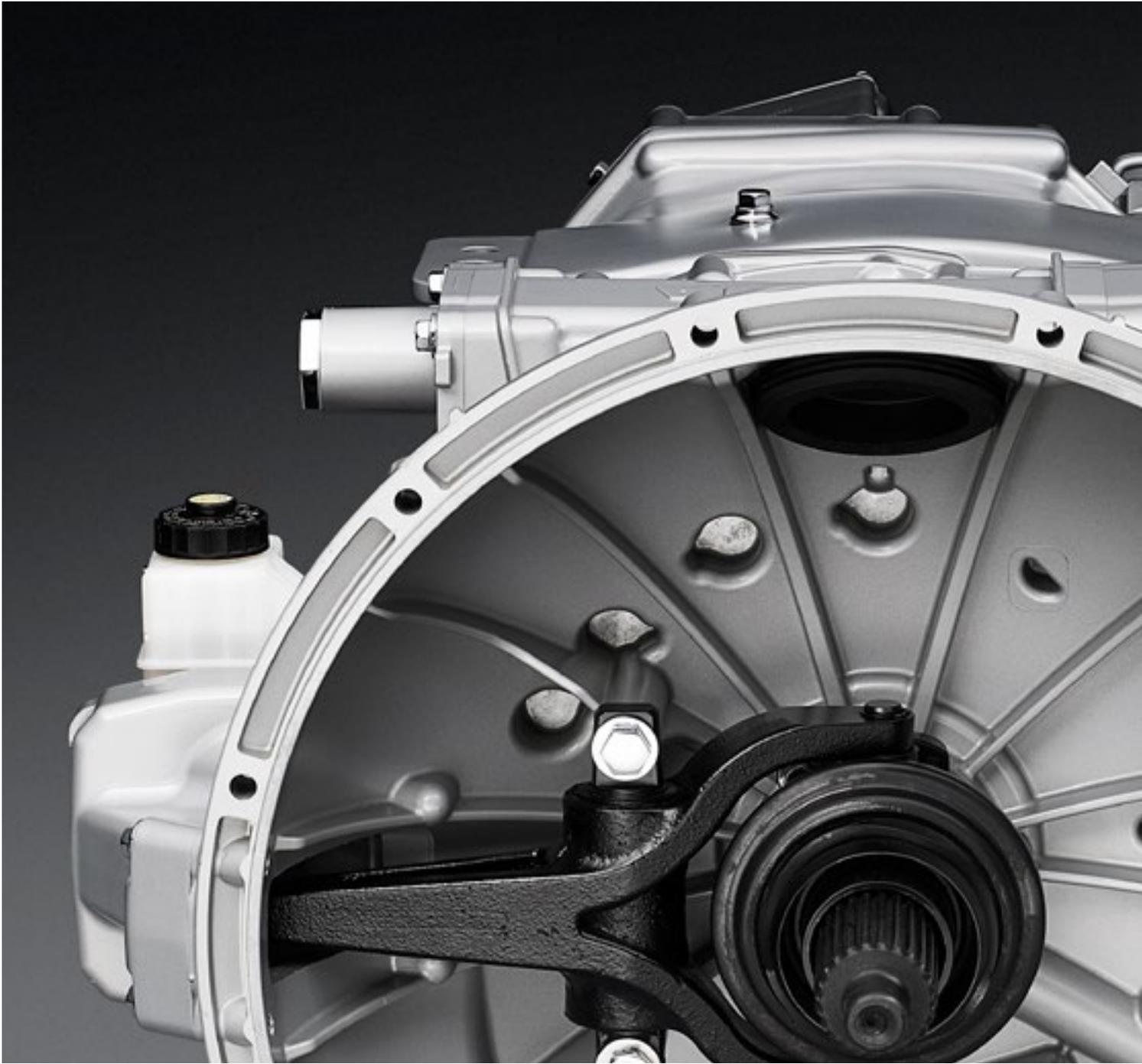
On the road during a call-out, the crew must put on gear and prepare for the assignment on the go. The Scania CrewCab's flexible interior layout, a wide variety of storage possibilities, and excellent lighting features, help the crew to get ready for any emergency. Entry and exit, also with heavy clothing and equipment, is easy thanks to staircase-like boarding with either fixed or retractable lower step, doors that open to a full 85 degrees, and long yellow grab handles on the inside. With these features, the crew can save precious time and better plan ahead to safely complete their mission.

## **New 7-litre engine**

The latest addition to our engine range is the 7-litre engine. This six-cylinder engine available with 220, 250 and 280 hp helps to cut down the weight of your vehicle, thereby increasing your load capacity. All while reducing fuel consumption, noise levels and vibrations. Significant advantages, especially for urban operations.

## **Updated 9-litre gas engine**

Available with 280 and 340 hp, our updated 9-litre gas engine combines substantial power with compact dimensions. Whether using natural gas or biogas, the new engines contribute to considerable CO<sub>2</sub> emission reductions; up to 20 percent with natural gas and as much as 90 percent with biogas.





### **City duty powertrain**

With an extremely efficient cooling system, advanced combustion technology, and fuel injection, Scania engines provide exceptional performance with outstanding fuel efficiency, high torque, and low emissions.

Our comprehensive gearbox range can be adapted to all types of transport, and there are several options ideally suited for urban operations. The automatic transmission, together with the 8- or 12-speed gearbox, provides a rugged and compact solution that delivers smooth action and gear changing, enjoyable driving, and exceptional operating economy. The retarder is available in two performance steps, of which one features extra low noise level and improved brake performance.

### **Scania Opticruise**

Scania Opticruise, one of the first automated gear changing systems on the market, has been refined in many steps over the years, and is now one of the smoothest and smartest systems on the market. For operations requiring the driver to be in charge for specific manoeuvring, we introduce Clutch on Demand: a new performance step for Scania Opticruise. Clutch on Demand has an additional clutch pedal for convenient use in special conditions, otherwise the system works as an ordinary automatic clutch system.

### **Smooth and fast gearing**

The new lay-shaft brake provides faster and smoother gear changes to maintain both engine torque and road speed.

### **Scania Opticruise general features**

- Driver interface with all functions for gear changing and retarder control integrated in the right-hand steering wheel lever.
- Available in 8- and 12-speed versions.
- Adaptive shift strategy based on style of driving, load and inclination of the road.
- Comprehensive electronic protection keeps clutch wear to a minimum.
- Several parameters can be adjusted by a Scania workshop to tailor the functionality to fit your specific needs.

### **Performance modes**

The performance modes are part of Scania Opticruise. They allow you to adapt the vehicle's performance to match certain operational demands. Switching mode is easily done while driving and the chosen mode is visible on the central display. If required, all settings can be altered or fine-tuned by a Scania service workshop.

There are totally four performance modes:

- *Standard mode.* Provides optimal balance between fuel economy and hill performance.
- *Economy mode.* Tuned to minimise fuel consumption and thus contribute to lower fuel costs.
- *Power mode.* Prioritises engine response and uphill performance in order to optimize transport time.
- *Off-road mode.* Enables better traction control when driving in rough terrain and on surfaces with high rolling resistance.

### Axles

To meet all demands, Scania has a wide range of steered and fixed axles. The Scania rear axle gears are designed with light weight and strength in focus. The following rear axle gears are the most suitable for urban operations:

- **R560.** A light single-gear, hypoid type with differential lock. Adapted for distribution vehicles and a lighter alternative to R660.
- **R660.** A light single-gear, hypoid type with differential lock and oil filter. Strong design and a suitable alternative to R780 for light vehicles. Weighs 80 kg less than R780.
- **R665.** Another light and strong alternative to R780, weighing approx. 70 kg less.

### Camera system

When operating in urban environments, reducing blind spots to boost safety is essential. The front, rear, and corner-eye camera system provides your driver with an extra pair of eyes. Adding a supplementary camera from the Scania Vehicle Accessories range will enhance visibility even further.

### The City Safe Window

Available for the P- and L-series, the City Safe Window is located on the lower part of the passenger door and provides a clear view alongside the vehicle, considerably improving the driver's direct vision. The window reduces the risk of accidents and damage by helping driver and passengers keep track of nearby pedestrians, children, and cyclists, contributing to more efficient driving without compromising safety.

### Scania Driver Support

Scania Driver Support is a system that continuously gives the driver individual hints and feedback on the driving, with safety and fuel economy as key parameters. It works in real time during driving and delivers a summary after a completed assignment. The system is designed to work in line with the Scania Driver Training in order to reduce wear and maintain a consistently fuel-efficient driving style.

### Scania Driver Training and coaching

A skilled driver contributes to increased road safety, better fuel economy, and lower environmental footprint. Our unique Scania Driver Training and one-to-one driver coaching aim to help the driver to perform at his or her best. Take the opportunity to pave the way to excellent driving habits and reduced wear, tear, stress, and fuel consumption – while increasing comfort and road safety.

### Maintenance with Flexible Plans

Given that every truck is used differently, they should all be serviced individually. Our new standard for maintenance contracts uses vehicle data from the communicator to analyse when a service is needed and exactly what needs servicing. This way we can act proactively regarding planning and administration, allowing you to focus on what actually matters – your business and transport operation.



# MAKE YOUR CHOICE

## CABS

		Day cabs		Short cabs		
<b>G</b>						<p><b>Scania G-series</b> Robust and well-equipped. Mid-size cab suitable for a wide range of applications.</p> <p><b>Engines</b> 280 to 500 hp</p>
		Normal	Low	Low		
<b>P</b>						<p><b>Scania P-series</b> Lightweight, economic and comfortable. Compact dimensions paired with full size quality and performance.</p> <p><b>Engines</b> 280 to 500 hp</p>
		Normal	Low	Low		
<b>L</b>						<p><b>Scania L-series</b> Tailored for city operations. Low boarding step, great visibility, safe and easy access.</p> <p><b>Engines</b> 280 to 360 hp</p>
	High	Normal	Low			
<b>CREW CAB</b>						<p><b>Scania P-series CrewCab</b> Comfortable, safe and ergonomic for your crew.</p> <p><b>Engines</b> 220 to 500 hp</p>
		Long CrewCab		CrewCab		

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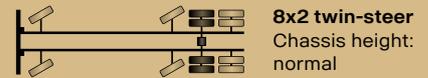
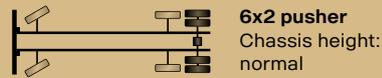
## Axle configuration

The new Scania tractors and rigids are available in a variety of axle configurations. Contact your Scania dealer to find the best solution for your needs.

### Tractors



### Rigids



## Body adaptations and preparations

You can get your Scania truck with a number of adaptations for box body, tipper body, mixer, etc. Bodywork Communication Interface (BCI) provides easy and adaptable functionality for the bodywork. By adding electrical cables and switches from Scania you will reduce lead time and improve quality.

# ENGINES AND TRANSMISSION

## Euro 6 engines

Swept volume	Maximum power	Maximum torque	Emission control
7-litre <sup>1)</sup>	220 hp (164 kW) at 1,900 r/min	1,000 Nm (1,050–1,500 r/min)	SCR
7-litre <sup>1)</sup>	250 hp (184 kW) at 1,900 r/min	1,100 Nm (1,050–1,550 r/min)	SCR
7-litre <sup>1)</sup>	280 hp (206 kW) at 1,900 r/min	1,200 Nm (1,050–1,600 r/min)	SCR
9-litre gas	280 hp (206 kW) at 1,900 r/min	1,350 Nm (1,000–1,400 r/min)	EGR
9-litre gas	340 hp (250 kW) at 1,900 r/min	1,600 Nm (1,000–1,400 r/min)	EGR
9-litre <sup>1) 2)</sup>	360 hp (265 kW) at 1,900 r/min	1,700 Nm (1,050–1,350 r/min)	SCR
13-litre <sup>1) 2)</sup>	370 hp (272 kW) at 1,900 r/min	1,900 Nm (1,000–1,300 r/min)	SCR
13-litre gas	410 hp (302 kW) at 1,900 r/min	2,000 Nm (1,000–1,400 r/min)	EGR
13-litre <sup>1) 2)</sup>	410 hp (302 kW) at 1,900 r/min	2,150 Nm (1,000–1,300 r/min)	SCR
13-litre <sup>1) 2)</sup>	450 hp (331 kW) at 1,900 r/min	2,350 Nm (1,000–1,300 r/min)	SCR
13-litre <sup>1)</sup>	500 hp (368 kW) at 1,900 r/min	2,550 Nm (1,000–1,300 r/min)	SCR

<sup>1)</sup> Also available for HVO

<sup>2)</sup> Also available for biodiesel

## Gearboxes

Gears	Type	Engines	Options
<b>Range-splitter gearboxes</b>			
8 gears	Gearbox	Up to 2,150 Nm	Opticruise
8+1 gears	Gearbox with one crawler	Up to 2,400 Nm	Opticruise
12 gears	Premium gearbox	Up to 2,350 Nm	Opticruise
12+2 gears	Premium gearbox with two crawlers	Up to 2,700 Nm	Opticruise
12+2 gears	Premium overdrive gearbox with two crawlers	Up to 3,500 Nm	Opticruise
<b>Automatic gearboxes</b>			
Automatic gearboxes are available together with most of the 5- and 6-cylinder engines			

## Power take-offs

There are many ways to tap into the power of your Scania. Our PTO options include gearbox-driven (clutch dependent), flywheel-driven (clutch independent) and engine-driven solutions.

