



SCANIA CONSTRUCTION TRUCKS

Robust, rugged and flexible







# Fit for hard work. Fit for tough business.

At Scania, we put all our effort, experience and expertise into building the most robust and durable trucks on the market. Your truck is optimised for different payloads and any kind of bodywork.

Together we can specify your truck to perfectly fit your needs. Open the folder and take a look at some of the options.







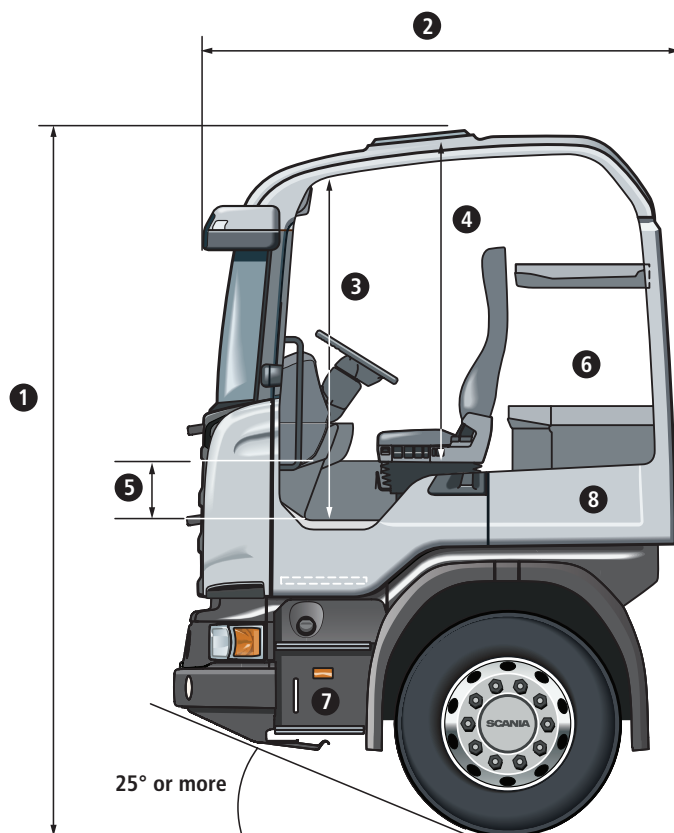
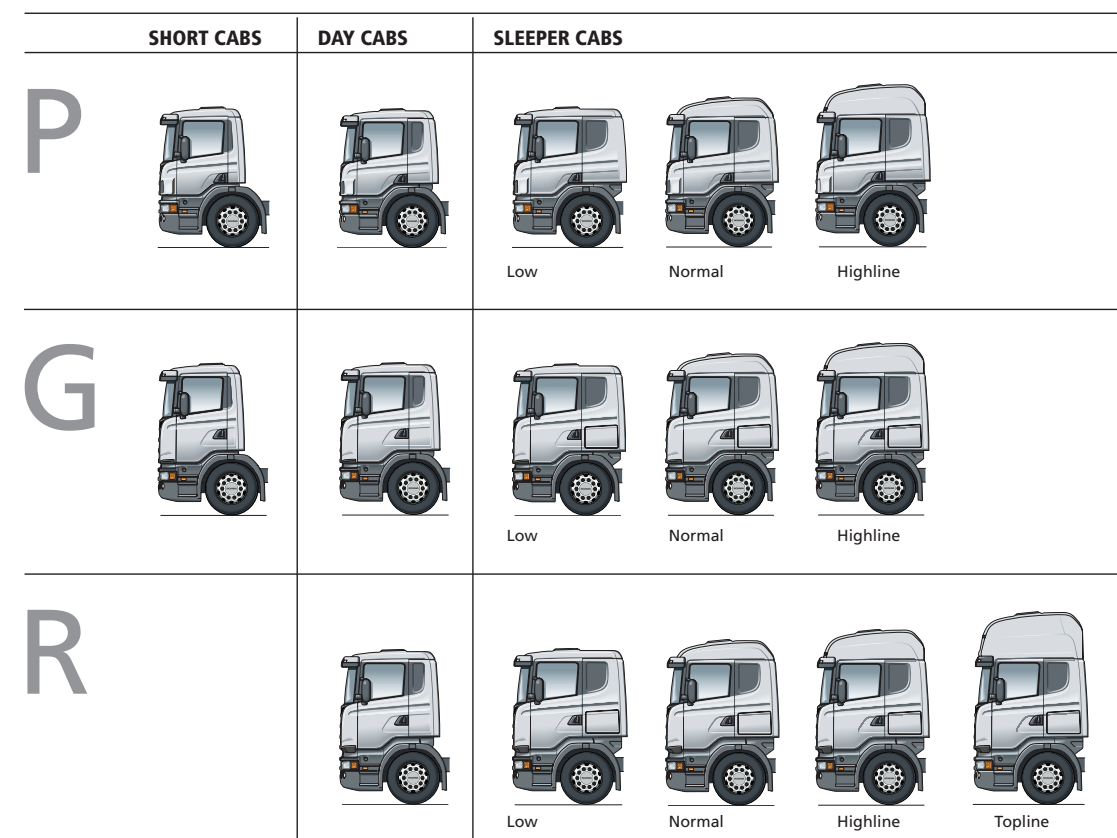
**SCANIA**

**G 490**



## Cabs

Scania offers a wider range of cabs. The cabs presented here are suitable for construction purposes and all possible specifications.



- 1. Overall height <sup>1)</sup>
- 2. Overall length
- 3. Floor-to-roof, footwell
- 4. Floor-to-roof, cab centre
- 5. Floor height, cab centre
- 6. Number of beds
- 7. Boarding steps
- 8. Exterior storage

<sup>1)</sup> Depending on chassis height and tyre size.

Reference: G sleeper cab with HD front (P130)

	1	2	3	4	5	6	7	8
<b>Short cabs</b>								
P short	2790 mm	1710 mm	1500 mm	1170 mm	460 mm	No	2	No
G short	3030 mm	1710 mm	1500 mm	1320 mm	310 mm	No	3	No
<b>Day cabs</b>								
P day	2790 mm	1990 mm	1500 mm	1170 mm	460 mm	1 <sup>2)</sup>	2	No
G day	3030 mm	1990 mm	1500 mm	1320 mm	310 mm	1 <sup>2)</sup>	3	No
R day	3100 mm	1990 mm	1500 mm	1480 mm	150 mm	1 <sup>2)</sup>	3	No
<b>Sleeper cabs</b>								
P low	2790 mm	2260 mm	1500 mm	1170 mm	460 mm	1 <sup>3)</sup>	2	No
G low	3030 mm	2260 mm	1500 mm	1320 mm	310 mm	1 <sup>3)</sup>	3	Yes <sup>4)</sup>
R low	3100 mm	2260 mm	1500 mm	1480 mm	150 mm	1 <sup>3)</sup>	3	Yes <sup>4)</sup>
P normal	3030 mm	2260 mm	1700 mm	1390 mm	460 mm	1 <sup>3)</sup>	2	No
G normal	3270 mm	2260 mm	1700 mm	1530 mm	310 mm	2 <sup>3)</sup>	3	Yes <sup>4)</sup>
R normal	3340 mm	2260 mm	1700 mm	1690 mm	150 mm	2 <sup>3)</sup>	3	Yes <sup>4)</sup>
P Highline	3230 mm	2260 mm	1910 mm	1590 mm	460 mm	1 <sup>3)</sup>	2	No
G Highline	3470 mm	2260 mm	1910 mm	1740 mm	310 mm	2 <sup>3)</sup>	3	Yes <sup>4)</sup>
R Highline	3540 mm	2260 mm	1910 mm	1900 mm	150 mm	2 <sup>3)</sup>	3	Yes <sup>4)</sup>
R Topline	3860 mm	2260 mm	2230 mm	2220 mm	150 mm	2 <sup>3)</sup>	3	Yes <sup>4)</sup>

<sup>2)</sup> Optional resting equipment. Resting bunk width 500 mm.

<sup>3)</sup> Bed width (upper bed optional):  
P-series: lower bed 700 mm.  
G-series: lower bed 700 mm, upper bed 600 mm.  
R-series: lower bed 800 mm, extendable bed 700-900 mm, upper bed 600 or 700 mm.

<sup>4)</sup> Height: 376 mm. Width: 600 mm.  
Capacity: 470 litres (both sides together).



## Chassis

**FRAMES.** With many years' experience from markets all over the world, Scania's modular range of truck chassis offers almost limitless scope for customisation. Frames with single side members are available, as well as fitted frames in several strengths.

Vehicles can be specified with different heights, normal, semi-high and high, the latter with generous ground clearance and all vulnerable components out of harm's way.

Wheels and tyres are available for all operating conditions. Anti-roll bars are available on most axles for added stability.

Wheel bases range between 2900–6500 mm depending on wheel configuration.

**WEIGHT OPTIMISATION.** The modular design and wide choice of chassis options enables the strength as well as the configuration to be precision-matched to any task. This makes Scania construction chassis class-by-class among the lightest and strongest on the market.

## Axles

**SINGLE REDUCTION AXLE.** Scania offers a range of 4x2, 6x2 and 8x2 trucks with a single-reduction drive axle for lighter applications. Suspension options include air, parabolic and multi-leaf springs. A single-reduction tandem bogie can be specified on lighter-duty 6x4 and 8x4 vehicles with either air, parabolic or multi-leaf suspension.

**HUB REDUCTION.** Available in two strength classes on four-, six-, eight- and ten-wheelers. The capacity is up to 16 tonnes per axle. Parabolic or multi-leaf suspension options are designed to suit high gross weights and the most arduous conditions. Vehicles can be specified for gross combination weights up to 150 tonnes or more.

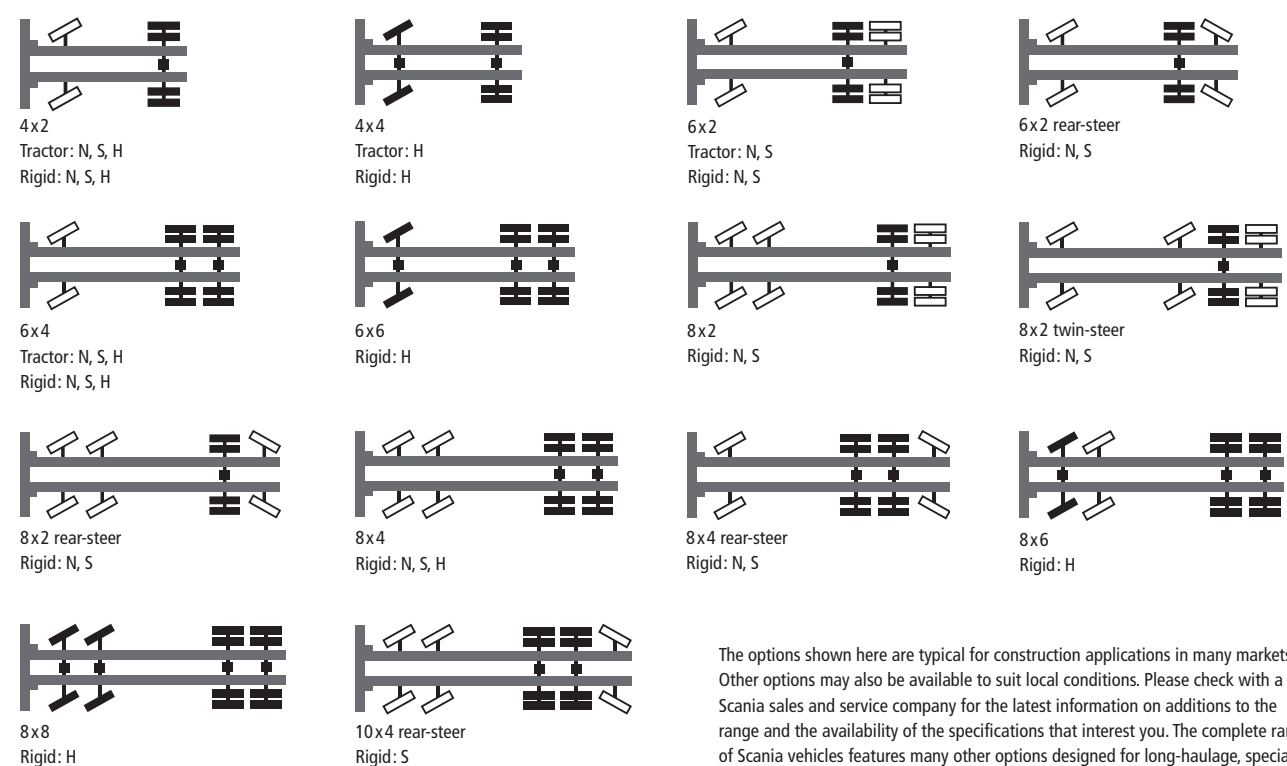
**FRONT AXLES.** Front axles have a capacity of up to 10 tonnes. Scania's driven front axle with hub reduction has a capacity of 9 tonnes and can be specified in several configurations, matching even the sturdiest of the rear axle set-ups.

**ALL-WHEEL-DRIVE.** Available as 4x4, 6x6 and 8x8. Transfer boxes can be specified in two strengths. Front-wheel drive is either permanent or, as an option, engageable.

**TAG AXLES.** Configurations include twin-steer, with a steered tag axle ahead of the drive axle or bogie, or rear-steer, with a steered tag axle aft of the drive axle(s).

## Axle configurations

CHASSIS HEIGHTS N = normal S = semi-high H = high



The options shown here are typical for construction applications in many markets. Other options may also be available to suit local conditions. Please check with a Scania sales and service company for the latest information on additions to the range and the availability of the specifications that interest you. The complete range of Scania vehicles features many other options designed for long-haulage, special-purpose and distribution applications.

## Engines Euro 6

Swept volume	Maximum power	Maximum torque	Emission control
<b>5-cylinder inline engines</b>			
9 litres	250 hp (184 kW) at 1900 r/min	1250 Nm (1000–1350 r/min)	EGR, SCR
9 litres	280 hp (206 kW) at 1900 r/min	1400 Nm (1000–1350 r/min)	EGR, SCR
9 litres gas	280 hp (206 kW) at 1900 r/min	1350 Nm (1000–1400 r/min)	EGR, Lambda control
9 litres *	320 hp (235 kW) at 1900 r/min	1600 Nm (1050–1300 r/min)	SCR
9 litres gas	340 hp (250 kW) at 1900 r/min	1600 Nm (1100–1400 r/min)	EGR, Lambda control
9 litres *	360 hp (265 kW) at 1900 r/min	1700 Nm (1100–1350 r/min)	SCR
<b>6-cylinder inline engines</b>			
13 litres	370 hp (272 kW) at 1900 r/min	1900 Nm (1000–1300 r/min)	EGR, SCR
13 litres	410 hp (302 kW) at 1900 r/min	2150 Nm (1000–1300 r/min)	SCR
13 litres *	450 hp (331 kW) at 1900 r/min	2350 Nm (1000–1300 r/min)	EGR, SCR
13 litres	450 hp (331 kW) at 1900 r/min	2350 Nm (1000–1300 r/min)	SCR
13 litres *	490 hp (360 kW) at 1900 r/min	2550 Nm (1000–1300 r/min)	EGR, SCR
<b>V8 engines</b>			
16 litres	520 hp (382 kW) at 1900 r/min	2700 Nm (1000–1300 r/min)	EGR, SCR
16 litres *	580 hp (427 kW) at 1900 r/min	2950 Nm (1000–1350 r/min)	EGR, SCR
16 litres	730 hp (537 kW) at 1900 r/min	3500 Nm (1000–1400 r/min)	EGR, SCR

\* Also available with biodiesel

### Exhaust system – Double front axle

Different silencer positions depending on silencer size and chassis specification.



Standard execution.

V8 execution.

Large tyres or support leg preparation execution.

## PTO

PTO – gearbox-driven (clutch dependent)					
Connection	Ratio	Torque	Max output*	Clock position	Rotates
Pump/Flange	0.82/1.00/1.03/1.28	1200 Nm	74/110 kW	5	CCV
Pump/Flange	1.03/1.28/1.29/1.58	700 Nm	74/110 kW	5	CCV
Pump/Flange	1.33/1.65/1.78/2.22	400Nm	60/90 kW	5	CV
Pump/Flange	1.06/1.29/1.32/1.33/1.60/1.65/1.67/2.04	430 Nm	70/100 kW	5	CV
Pump/Flange	1.61/1.66/1.99/2.06/2.08/2.55	500 Nm	110 kW	5	CV (CCV)
Pump/Flange	1.25/1.55/1.56/1.91	600 Nm	110 kW	5	CV (CCV)
Pump/Flange	1.00/1.21/1.24/1.25/1.49/1.53	800 Nm	110 kW	5	CV (CCV)
PTO – flywheel-driven (clutch independent)					
Pump/Flange	1.0	2000 Nm	120/170/200/250 kW	12	CCV
Flange**	1.0	1000 Nm	120/170 kW	12	CCV
PTO – engine-driven					
Pump	1.19	600 Nm	75/142 kW	2	CCV

\*Higher value for intermittent load (max. 15 min) or with oil cooler.

\*\*Possible to engage/disengage when engine is running.

## Gearbox range

Range-change gearboxes
<b>8 gears</b> Light-duty gearbox Engines: up to 2100 Nm Options: Scania Opticruise, Scania Retarder
<b>8+1 gears</b> Heavy-duty gearbox with crawler Engines: up to 2400 Nm Options: Scania Retarder
Automatic gearboxes
Automatic gearboxes are available together with most of the 5- and 6-cylinder engines
Range-splitter gearboxes
<b>12 gears</b> Premium gearbox Engines: up to 2350 Nm Options: Scania Opticruise, Scania Retarder
<b>12+2 gears</b> Premium gearbox with two crawlers Engines: up to 2700 Nm Options: Scania Opticruise, Scania Retarder
<b>12+2 gears</b> Premium overdrive gearbox with two crawlers Engines: up to 3500 Nm Options: Scania Opticruise, Scania Retarder

Scania pursues an active policy of product development and improvement. For this reason the company reserves the right to change products and product specifications without prior notice. Furthermore, due to national or legal requirements, some products and services may not be available in all markets. For further information, please contact your dealer or visit [www.scania.com](http://www.scania.com)

