



HIGH DECKER

# SCANIA TOURING

FOR TRAVEL OPERATIONS



**SCANIA**



# EFFICIENT, RELIABLE AND COMFORTABLE

Based on more than a century of engineering experience, the new generation of Scania Touring has been developed to meet the demands of today's and tomorrow's travel operators. Energy efficient and available in a wide range of powertrains, it offers the latest technology in everything from safety systems to reduced emissions and noise levels. And through excellent uptime and fuel economy, high levels of passenger comfort and generous luggage capacity, Scania Touring allow sustainable mobility to go hand-in-hand with operating economy.

## **Sustainable efficiency**

Having the right vehicle for the operation and using it efficiently is the best way to minimise environmental impact. Scania's offering includes conventionally powered coaches that run on commercially viable renewable fuels – biodiesel/FAME and HVO – in order to meet the requirements of all travel operators. Through high quality vehicles with innovative technical solutions and outstanding fuel efficiency, top-quality repair and maintenance services, and a range of driver services, we address fuel consumption from several angles, helping operators to reduce emissions.

## **Energy efficiency that lowers operating cost**

Travel operators know the importance of keeping costs to a minimum, and fuel consumption is one of the main contributors to operating cost. An energy efficient powertrain can therefore offer significant savings. Scania develops and offers highly energy efficient powertrains. Compared to previous models, the new generation of Scania Touring can save up to 6% in fuel and emissions, without compromising on performance. This is achieved through a number of factors, with the most significant savings coming from enhanced engine efficiency and improved cruise control with active prediction. Beyond the powertrain, driving style is another major factor that affects fuel consumption. Our driver services typically reduce fuel consumption and emissions by as much as 10%, with the driveability of Scania coaches and our advanced driver assistance systems as well as our top-quality maintenance services resulting in additional savings.





#### **Ensuring availability through reliable solutions**

Reducing vehicle downtime and increasing utilisation is essential for the profitability of travel operators. Our coaches are well designed and built on proven technology and components, resulting in chassis and powertrains that are dependable, durable, and robust. That reliability is key to minimising time in the workshop and maximising utilisation of the vehicle. That is why we have made sure that sensitive and expensive components are protected in the event of a collision. Limiting damage and avoiding deformation of components such as the steering and aftertreatment systems is critical for minimising costs, as well as complex and time-consuming repairs. Additionally, Scania coaches are designed to facilitate maintenance and to make it as efficient as possible. Here, Scania offers professional and proactive workshop services tailored to operational and individual vehicle needs, with excellent parts availability, to secure maximum uptime.

#### **A first-class driver area**

A quality driver environment can play a crucial role in reducing the risk of incidents by maintaining driver comfort and alertness, while also offering a great workplace.

The driver area in Scania coach is simply first-class and can even be

said to be industry leading. A great turning radius, good visibility, and an overall well-balanced vehicle makes for excellent driveability, while advanced driver assistance systems give the driver good control of the vehicle through improved assisted handling, steering and braking. These systems include features such as attention support, lane keep assistance, lane change collision prevention and adaptive cruise control with active prediction that help to prevent accidents or minimise potential damage.

Due to the demanding work environment, operators also face challenges when it comes to sick leave and employee retention; that is why we have designed the best possible work environment for drivers in terms of ergonomics, reachability, climate control, safety features and an overall quality feel.

#### **A comfortable passenger experience**

Scania Touring have a forgiving suspension, smooth gearbox transition, powerful engines and well-balanced weight distribution that create a relaxing and comfortable passenger experience..

Powertrains

The high decker Scania Touring is available with a wide range of energy efficient and reliable powertrains.

Combustion, Euro 6	Output	Torque	Emissions control	Fuel options
9-litre	360 hp (265 kW) at 1900 r/min	1700 Nm (1050–1475 r/min)	SCR	Biodiesel, HVO, diesel
13-litre	370 hp (272 kW) at 1800 r/min	1900 Nm (900-1340 r/min)	SCR	HVO, diesel
13-litre	410 hp (302 kW) at 1800 r/min	2150 Nm (900-1340 r/min)	SCR	Biodiesel, HVO, diesel
13-litre	450 hp (331 kW) at 1800 r/min	2350 Nm (900-1340 r/min)	SCR	Biodiesel, HVO, diesel
13-litre	500 hp (368 kW) at 1800 r/min	2550 Nm (925-1340 r/min)	SCR	HVO, diesel

Fuel capacity (usable volumes): 275–460 litres

Gearboxes

6-speed fully automatic gearbox (ZF EcoLife 2)  
12-speed manual gearbox (Scania Opticruise with retarder)

Axles, doors and lengths

The high decker Scania Touring is available in several variants, enabling it to meet different operational requirements.

2-axles, 10.9–12.9 m, left-hand-drive



1-1-0



1-0-1



1-0-0

3-axles, 13.7 m, left-hand-drive



1-1-0



1-0-1



1-0-0

2-axles, 10.9–12.3 m, right-hand-drive



1-1-0



1-0-1



1-0-0

3-axles, 13.7 m, right-hand-drive



1-1-0



1-0-1



1-0-0

Floor level

The aisle in the coach is lowered, resulting in higher passenger comfort through fewer steps in the staircase, full standing height, and easier access to seats, without compromising on luggage volume.



# PRODUCT DESIGN FEATURES

The high decker Scania Touring meets the needs of operators on every continent. With total design and production control over the body, chassis and powertrain, Scania delivers unrivalled reliability, durability and performance.

## Driver area

The driver area has a completely new design with improved ergonomics, safety, comfort, and driveability.

- Excellent ergonomics and reachability – pedal placement, leg space, driver height settings, all-angle step-less seat adjustments, and flexible switch placement due to CAN functionality and more.
- Increased safety – advanced driver assistance systems, electro-pneumatic parking brakes.
- Excellent drivability – great turning radius, advanced driver assistance systems, and improved assisted handling, steering and braking.
- Equipped with extended and more easily accessible storage facilities in the side panel to the left of the driver, including a lockable one for personal belongings, USB port for charging and cup holder.
- New center console with infotainment system and other equipment.
- The infotainment system provides a good overview of information and entertainment content. Choose between three infotainment system options:
  - Basic - 9" touch screen including views from the reverse and door camera
  - Medium - 9" touch screen including views from the reverse and door camera, and Bosch smart radio series
  - Premium - The Coach Infotainment series from Bosch. Including 7" touch screen, navigation (also 2 pcs of 22" Bosch monitors are included)



## Front suspension technology

Without compromising on passenger capacity, the new independent front suspension offers excellent passenger comfort and increased load capacity.

## Electric system

The new power supply architecture comes with improved electronic control units (ECUs) and functions that improve performance and facilitate diagnostics for repair and maintenance. It also enables new functionality within ADAS and autonomous transport systems.

## Fuel tanks

For coaches with independent front suspension, new tank options are available in 275 or 460 litres (usable volumes). For coaches with rigid front axle, the fuel tanks are available in 275 or 410 litres (usable volumes).



#### **Interior**

The interior has a modern, sophisticated design.

- Characteristic Scania coloration in the passenger area with bright colours in the upper parts adds a sense of space whereas darker, faded colors in the lower parts creates a calmer base.
- In the work area for the driver, darker color tones facilitates for the driver to focus on the road, minimising reflections and giving a cleaner look.
- Improved ergonomics in the courier area with feet support, better leg and foot space, storage possibilities with USB socket and a guide microphone.
- Enlarged refrigerator in the dashboard, with a volume of 40 litres.

#### **Safety features**

A range of functions support the driver whether they are on the open highway or in busy city environments;

- Adaptive cruise control with active prediction – assists the driver in keeping the distance to vehicles in front of the coach.
- Lane keep assistance – supports the driver in keeping the vehicle between the lane markers.
- Blind spot warning – detects other vehicles located in the driver's blind spot area.
- Electropneumatic parking brake – locks the brakes until acceleration is activated, thereby preventing unintentional vehicle motion.
- Vulnerable road user collision warning – detects cyclist and pedestrians close to the vehicle.
- Underrun protection – rigid beams in the front and the rear protects other road users and sensitive components.

#### **Chassis frame construction**

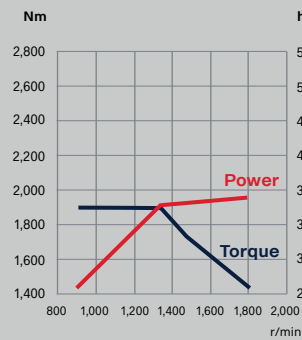
The strengthened front axle means that load capacity is increased from 7.5 to 8.0 tonnes. It also enables optimised weight distribution between the front and rear axles.

#### **Powertrain technology**

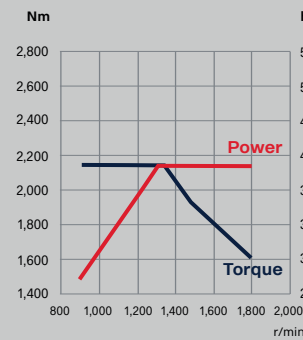
The highly dependable, durable, and robust powertrains enable fuel savings of up to 6%, while the addition of cruise control with active prediction and pulse and glide function contributes further savings.



### 13-litre, 370 hp HVO, diesel



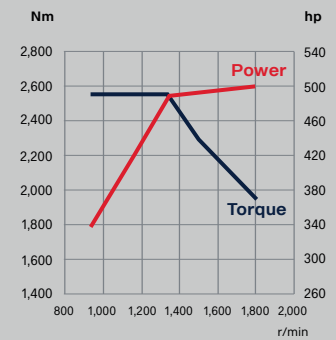
### 13-litre, 410 hp Biodiesel, HVO, diesel



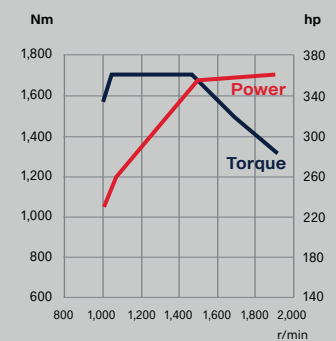
### 13-litre, 450 hp Biodiesel, HVO, diesel



### 13-litre, 500 hp HVO, diesel



### 9-litre, 360 hp Biodiesel, HVO, diesel



## General

**Wheel configuration:** 2-axle, 3-axle with tag axle (steered)

**Door configuration:**

1-1-0, 1-0-1, 1-0-0

## Dimensions

**Length:** 10.9 m, 12.1 m, 12.3 m (RHD), 12.9 m (LHD) and 13.7 m

**Width:** 2.55 m, 2.5 m

**Height:** 3.80 m

## Passenger area

Up to 63 seated passengers

**Seating:** Individual passenger reclining laterally adjustable Kiel or Vega seats with 2- or 3-point seatbelts, magazine holder, aisle armrest, footrest, foldable tables with cup holder at each seat, coat hanger, ISOFIX attachment for baby seat, waste bin Seats on rails.

**Equipment:** Open overhead luggage racks, camera surveillance, infotainment system - 3 choices (WiFi), interior LED light, mat in aisle, front and on the steps, soft ceiling, aisle lighting ceiling and floor, kitchen JTM, toilet, USB charging port, reading LED lamp

## Driver area

**Seating:** Heated driver seat ISRI NTS 2 with 3-point seatbelt

**Support systems:** Scania driver support, lane keep assistance, lane change collision prevention, adaptive cruise control with active prediction, attention support, advanced emergency brake, electro-pneumatic parking brake, vulnerable road user collision warning, blind spot warning, hill-hold and Scania Fleet Management which collects, saves and sends information from the vehicle for analysis.

**Equipment:** Map reading light, electrically operated driver's window, electrical sun blinds at windscreen, refrigerator in dashboard, driver's bunk, alco lock, microphone, Ticket machine, Scania remote control, Infotainment system (3 options)

**Courier seat :** Kiel or Yubang seat with 3-point seatbelt, guide microphone

## Luggage compartment

Luggage space (model with WC)

8.47 m<sup>3</sup> (12 m), 9 m<sup>3</sup> (12.9 m) and 9.32 m<sup>3</sup> (13.7 m)

Manual operated top-hinged doors.

Manual or pneumatically operated parallel hinged doors.

Ski box brackets.

## Powertrains - Combustion, Euro 6

**Biodiesel, HVO, diesel:**

9-litre 360 hp (265 kW), torque 1700 Nm

13-litre 410 hp (302 kW), torque 2150 Nm

13-litre 450 hp (331kW), torque 2350 Nm

**HVO, diesel:**

13-litre 370 hp (272 kW), torque 1900 Nm

13-litre 500 hp (368 kW), torque 2550 Nm

**Fuel capacity(usable volumes):** 275 - 460 litres

**Gearbox:**

12-speed manual gearbox (Scania Opticruise with retarder)

6-speed fully automatic gearbox (ZF EcoLife 2)

## Electrical systems

Xenon headlights, LED daytime running, position and indicator lights, LED side and rear lights, fog lights, Battery 210 or 230 Ah or dual battery system, Alternator 2x150, 2x180 A

## Brakes and safety equipment

Disc brakes, electronic brake system (EBS), anti-lock brake system (ABS), lane departure warning (LDW), advanced emergency brake (AEB), traction control (TC), hill hold, bus stop brake, rear view camera, fire extinguishing equipment in the engine compartment, emergency mirror and hammers

## Suspensions and wheels

**Front suspension:** Independent suspension or rigid axle

Whole front kneeling, total raising and lowering

**Tyres:** 295/80, 315/70 or 315/80

**Rims:** Aluminium or steel

## Doors and windows

**Optional:** Tinted, double glazed side and rear windows

Wheelchair lift

Electrically adjustable and heated mirrors



## SERVICE OFFERING

Our offering consists of a number of services for minimising emissions, increasing safety, and improving operating economy, focusing on areas like fuel efficiency and uptime. These services allow us to provide solutions to each operator's individual challenges and needs.

### Driver services

Enables drivers to drive safer and more efficiently, and can reduce the need for maintenance.

#### Scania Driver Training

Combines theory and practice, covering topics such as safe and efficient driving, not only to save energy but even regenerate energy. The training also handles other aspects of professional driving, always with a focus on profitability, fuel economy and reduced emissions.

#### Scania Driver Evaluation

An on-board device that assesses the driving style by comparing it to that of drivers operating in similar conditions. The result, which can be used to achieve long term improvements, is visible in the Scania Fleet Management Portal and Scania Fleet App.

### Tachograph services

The fleet is monitored via the tachograph portal, facilitating compliance with regulations regarding driving and working time. It provides in-depth insights into driver activities and vehicle use, thus helping operators maximise uptime, comply with laws and regulations and meet health and safety requirements for drivers.

### Fleet management services

Through the Scania Fleet Management Portal and the Scania Fleet App, operators can gain access to valuable insights into the performance and status of their fleet. The data collected onboard the coach provides valuable insights into driving styles, productivity and economy. This level of tracking and diagnostics can bring significant benefits in terms of increased uptime, improved safety and reduced operating costs.

#### Scania Zone

A position-based system for real-time vehicle adjustments in pre-defined zones. It allows operators to ensure that each vehicle stays within the set speed limits, increasing safety and comfort as well as lowering fuel consumption. Scania Zone is an optional add-on in Scania's fleet management system.

### Repair and maintenance services

Having access to professional workshops and quality parts is key to keeping the vehicles in prime condition. Scania offers a range of repair and maintenance services.

#### Scania Flexible Maintenance

Uses real-time vehicle data to produce maintenance plans tailored to each vehicle's actual operation, meaning no underservicing or overservicing. This is done by continually monitoring and analysing operational data to ensure maximum uptime and scheduling maintenance customised to operational needs, thus increasing productivity and decreasing disruptions.

#### Scania Fleet Care

The fleet operator receives a dedicated Fleet Manager from Scania equipped with advanced tools and systems, to optimise maintenance and prevent breakdowns based on operational data and vehicle data analysis.

#### Customer workshop services

Tailored collaboration services designed to facilitate workshop services for the operator by streamlining and quality assuring the workshop and processes to meet Scania's high standards.

### Financial services

Flexible financing and insurance solutions that match operational needs, tailored to provide predictable costs and manageable risks – over the entire lifecycle of the vehicles.

#### Scania Financing

Tailored solutions for financing expansion or fleet renewal. Supported by professional knowledge of transport business financing and optimised for the local tax and legal environment.

#### Scania Insurance

Tailored solutions that, together with claims support service and Scania Assistance, will help get the vehicle back on the road quicker, safeguarding uptime – and peace of mind.

*Scania's data API's comply with the rFSM standards 1.x and 2.x.*