

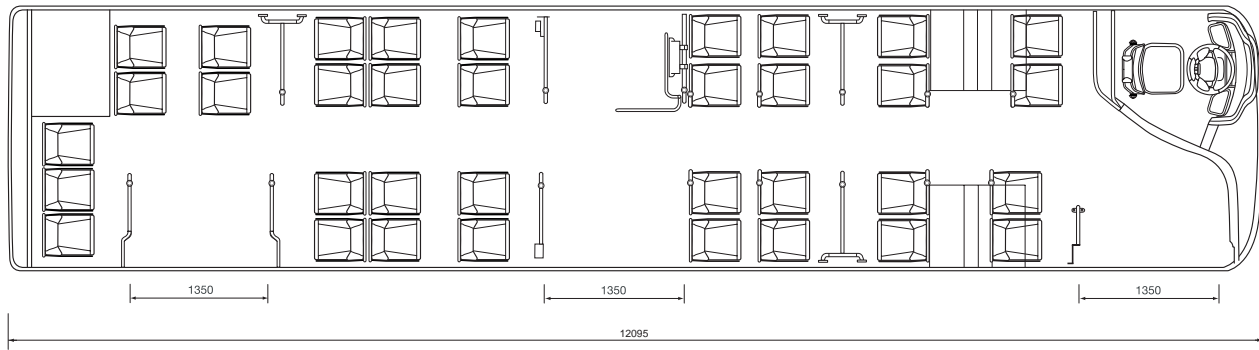
FULLY ELECTRIC LOW FLOOR BUS

# SCANIA CITYWIDE

The new generation Scania Citywide is developed for the demands of future cities. It is designed to boost the appeal of public transport, and equipped with the latest technology in everything from safety systems to emissions and noise minimisation, creating a more welcoming city environment.

The fully electric low floor bus has the battery capacity to cover almost any city route and offers fast-charging (in-route or at depot), making it perfectly suited for operations with demands on high passenger capacity and maximised uptime. Along with its low energy consumption and Scania's complete support throughout the service life, this means total cost of operation can be minimised.





## General

**Chassis type:** Low floor

**Wheel configuration:** 4×2

**Operating temperature:** -30°C to +40°

**Door configuration:** 1-2-0, 1-2-2, 2-2-0, 2-2-2

## Dimensions

**Length :** 11.4 - 13.3 m (12.1 - 13.3 m for 6 battery packs on roof)

**Width:** 2.55 m

**Height:** 3.3 m

**Front overhang:** 2,780 mm

**Rear overhang:** 3,415 mm

**Wheelbase:** 5,200 - 7,100 mm

**Angle of approach/departure:** 7°

**Front suspension:** Independent

**Tyres:** 315/60 or 275/70 (front) and 275/70 (rear)

**Minimum turning radius:** 11,498 mm (for wheelbase 5,900)

**Swept annular width – minimum turning radius:** 6,198 mm

## Passenger capacity

**Total passenger capacity:** Up to 100

**Seating capacity:** Up to 35

## Weight

**Gross vehicle weight:** 20,000 kg

**Axle load (front):** 8,200 kg

**Axle load (rear):** 12,000 kg

## Performance

**Gradeability:** 16 % all conditions

**Maximum allowed speed:** 100 km/h

**Acceleration:** Up to 1.2 m/s<sup>2</sup>

## Climate system

**Heating:** Heat pump and auxiliary heater

**Cooling:** Electrical A/C

## Powertrain

### E-machine:

300 kW peak

250 kW continuous (R85)

Oil spray cooled

**Rated voltage:** 650 V

**Max. torque:** 2,100 Nm

**Energy consumption:** 0.75 – 1.5 kWh/km\*

### Energy consumption SORT:

SORT 1 0.94 kWh/km

SORT 2 0.82 kWh/km

SORT 3 0.77 kWh/km

### Gearbox:

2-speed gearbox to optimise energy consumption

### Brakes:

Recuperation via electric machine and electro pneumatic disc brakes

*\*Energy consumption is dependent on driving-, operational- and environmental conditions. n*

## Battery

**Technology:** Lithium-Ion (NMC)

### Number of high-voltage battery packs:

8 or 10 battery packs

**Battery arrangement:** 4 battery packs in the rear and 4 or 6 battery packs on the roof

**Max. total capacity:** 254 kWh or 330 kWh

**Range:** Up to 320 km\*\*

**Life length:** Up to 10 years\*\*\*

*\*\*Range is dependent on driving-, operational- and environmental conditions.*

*\*\*\*Life length is dependent on driving-, operational- and environmental conditions. Scania can offer complete service contracts based on real time data for the entire vehicle (incl. batteries) in order to secure maximised uptime.*

## Charging options

**Inverted pantograph:** Up to 300 kW

### CCS Type 2 (depot charging):

DC up to 150 kW

**Charging interface:** ISO 15118 and IEC 61851