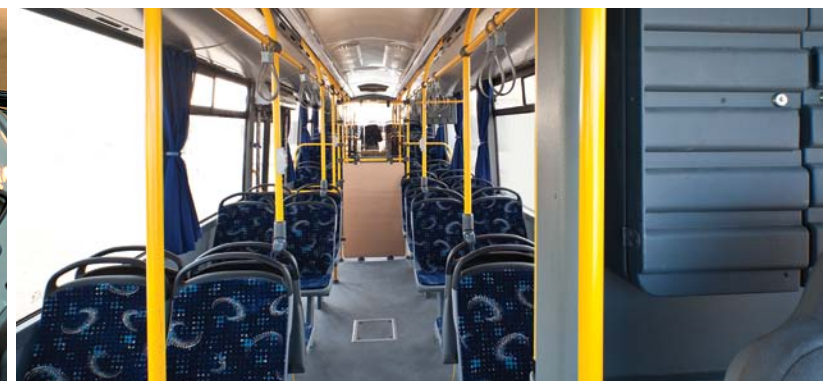
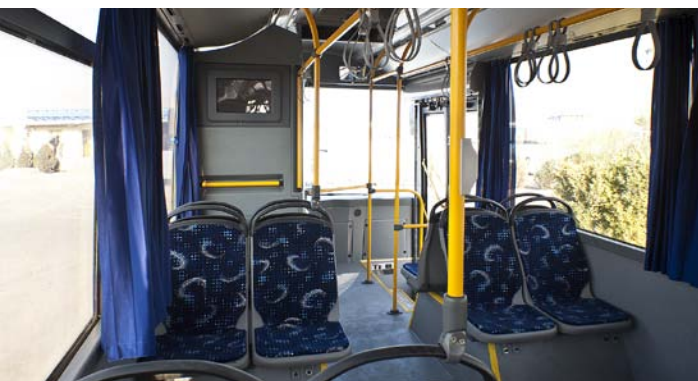




Technical Specifications of Oghab-Scania City Buses, Model: 3112





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Chassis

- Scania, type: K 310 IB4x2NB

Engine

- Type: Scania - DC09 115
- Number of cylinders: 5
- Output: 310 hp (228 kW) at 1900 rpm
- Displacement: 9290 cc
- Max. torque: 1550 Nm at 1000-1350 rpm
- Emission rating: Euro 3
- Equipped with turbocharger, charge air cooler, fuel cooler and centrifugal oil cleaner
- Engine location: Centrally and longitudinally mounted behind the rear axle
- A strong guard in the chassis and under the engine protects the engine against damages.

Gearbox

- Automatic, ZF 5HP604C N, with vertical R-N-D gear selector
- Equipped with ZF hydraulic retarder

Cooling system

- Radiator with expansion tank and automatic cooling fan with hydraulic drive system

Suspension

Front axle

- Two air bellows + two shock absorbers

Rear axle

- Four air bellows + four shock absorbers

Rear axle gear ratio

- 4.88:1

ELC system

- Electronic level control to adjust the body ground clearance. For more safety, the vehicle returns to normal level automatically when the vehicle speed exceeds 40 km/h.
- Kneeling at the boarding steps

Brake system

- Air brake system, disc brakes
- Air brakes with independent circuit for front, rear and parking
- Anti-lock Brake System (ABS)
- Electronic Brake System (EBS)
- Traction Control (TC)
- Automatic exhaust brake
- Bus Stop Brake (BSB)

Electrical system

- Two alternators: 150 A, 24 V
- Two batteries: 225 Ah, 12 V

Tires

- Michelin 295/80R22.5

Driver area

- Steering wheel, adjustable in height and rake
- The hanging accelerator and brake pedals are installed on the steering pillar for driver's comfort.
- Instrument cluster and digital tachograph
- Electrical diagnostic system
- Pneumatic seat: Pilot

Sound and heat insulation

- Engine compartment is fully insulated against heat and noise from the engine and gearbox.

- Roof and side walls are fully insulated against outer climate and noise.

Capacities and dimensions

- Passenger capacity: 45 sitting passengers and 28 standing passengers
- Passenger seat: Vogel or Kiel, made of polyamide, with covers
- Wheelbase: 6000 mm
- Total length: 12240 mm
- Total width: 2550 mm
- Total height with AC: 3430 mm
- Max. permissible weight on front axle: 7500 kg
- Max. permissible weight on rear axle: 12000 kg
- Total weight without load and passengers: Approx. 11400 kg
- Max. permissible weight with load and passengers: 19500 kg
- Fuel capacity: 400 liters

Body structure

- The reinforced body structure is made of special strong steel and welded with MIG/ MAG welding apparatus.
- The body of the bus is covered with steel sheets and painted with epoxy paints. The underside of the floor is protected against rust and corrosion with a thick layer of dinitrol.

AC and heating systems

- The city buses are equipped with advanced AC and heating systems for comfort of the driver and passengers in hot and cold climates.
- The Konvekta AC has an evaporator cooling power of 35 kW.

- The heating system consists of a roof mounted heater, three floor mounted heaters and a driver area heater with total heating power of 88 kW.
- Air curtains above the doors

Audio/Video system

- The interior sign box includes:
 - Display
 - FM radio
 - Audio player using flash memories
 - Amplifier
 - Microphone
- Exterior sign boxes
- A color monitor with two inputs for the rear view camera and a camera above the rear steps. It gives priority to the rear view camera.

Standard equipment

- Curtains for all side windows
- Double glazed windscreen
- Laminated double glazed side windows
- Stanchions with electrostatic leather-look paint
- Driver's cab with an interior door
- Fire alarm system
- Two exterior mirrors and a front view mirror on the right-hand mirror
- Sun visor
- Passenger's security system for the pneumatic doors

Options

- Video player
- Monitors in front and middle of the bus