

Moving People, Changing Minds



SCANIA



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According to the fundamental policy of Oghab Afshan Company regarding continuous improvement of products and services, the company reserves the right to change the technical specifications without prior notice.

Chassis

- Scania, type: K Series

Engine

- • Type: Scania - DC13 107
- Number of cylinders: 6
- Output: 410 hp (302 kW) at 1900 rpm
- Displacement: 12740 cc
- Max. torque: 2000 Nm at 1000-1350 rpm
- Emission rating: Euro 3/ Euro 4-5-6 (Optional)
- Equipped with turbocharger, charge air cooler and centrifugal oil cleaner
- A strong guard in the chassis and under the engine protects the engine against damages.

Gearbox

- Scania GR875R, 8 speed with Opticruise for shifting gears manually or automatically
- Equipped with automatic clutch system (without clutch pedal)
- Equipped with oil cooler
- Equipped with Scania hydraulic retarder including water cooling system
- Equipped with cruise control

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

Rear axle gear ratio

- 3.07:1

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)
- Exhaust brake
- Electronic Stability Program (ESP)

Electrical system

- Two alternators: 150 A, 24 V
- Two batteries: 180 Ah, 12 V
- Multiplex electrical circuit system (CAN) in body equipment for reduction of wiring, ease of diagnosis and reduction of possible risks resulted from unauthorized manipulation

Tires

- Michelin/Bridgestone 315/80R22.5

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
- Emergency stop
- The Retarder and Opticruise levers are integrated as a unit for driver's comfort.
- On Board diagnostic system (OBD)
- Pneumatic seat: ISRI with armrest and 3-point seat belt

Capacities and dimension

- Number of seats:
 - Standard class: 44+1+1
 - Business class: 30+1+1
 - First class: 25+1+1 with leg rest
- Passenger seat: Brusa/Esteban
- Total length: 12640 mm
- Total width: 2550 mm
- Total height with AC: 3840 mm
- Front overhang: 2820 mm
- Rear overhang: 3520 mm
- Max. permissible weight on front axle: 7500 kg
- Max. permissible weight on rear axle: 12000 kg
- Total weight without load and passengers: Approx. 14000 kg
- Max. permissible weight with load and passengers: 19500 kg
- Luggage compartment volume: Approx. 8 m³
- Fuel capacity: 700 liters
- Driver's berth (≈2m³) is equipped with AC, heating system, intercom phone and separate audio system.

Body structure

- The ceiling is made of fiberglass in one piece for corrosion inhibition and better insulation.
- The body structure is in accordance with European R66.02 standard and made of steel and welded with MIG/MAG welding apparatus.

- The body is covered with galvanized sheets and painted with epoxy paints. The underside of the floor is protected against rust and corrosion with a thick layer of corrosion preventive oil.

AC and heating system

- Konvekta AC has an evaporator cooling power of 39 kW with Bock compressor. The AC for the driver area has an evaporator cooling power of 7 kW and the driver's berth AC has an evaporator cooling power of 3.7 kW.
- The heating system consists of a roof mounted heater, convectors, driver area heater, driver's berth heater and auxiliary heater.

Audio/Visual system

- Two LCD monitors
- DVD player in the passenger area
- DVD player in the driver's berth
- Amplifier with a microphone and an exterior speaker
- LED Sign boxes
- 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

- Refrigerator and coffee machine
- Immobilizer
- Passenger's security system for the pneumatic doors
- Tempered double glazed side and rear windows
- exterior mirrors with heater, adjustable from inside
- Driver's power window
- Step lamps with two modes
- Sun visor
- Remote control
- Fire Alarm system in engine compartment

Options

- WC