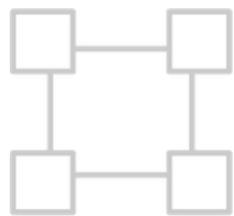




Eurabus 3.0 – Airport Bus, 14 meter



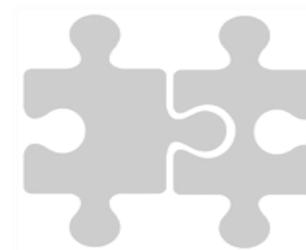
Lightweight



High Range



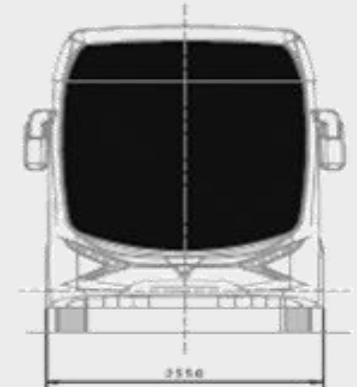
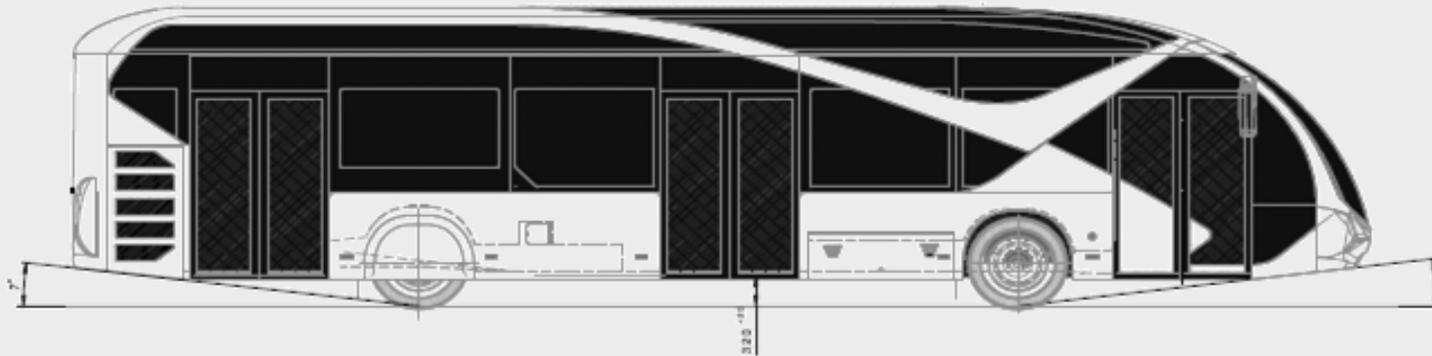
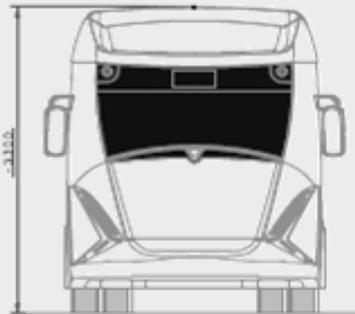
Smart



Modular

EURABUS 3.0 Series

Fully Electric Airport Bus



Dimensions and Weight

Pure electric coach, 2-axle; suitable climate: -10 °C to +55 °C; suitable altitude: 0-3000, monocoque, low floor structure, all aluminum body

Approach/ departure angle: 4.2°/4.7°

Min. turning radius: 14 m

Height including
A/C: 3100 mm



Max. total mass
23000 kg

Luggage à 10 kg per passenger
(with 110 passengers)

Lightweight bus body

Full body aluminium design (incl. roof sheets)



Cavity sealing



Permanent anti-corrosion protection



Cataphoretic painting



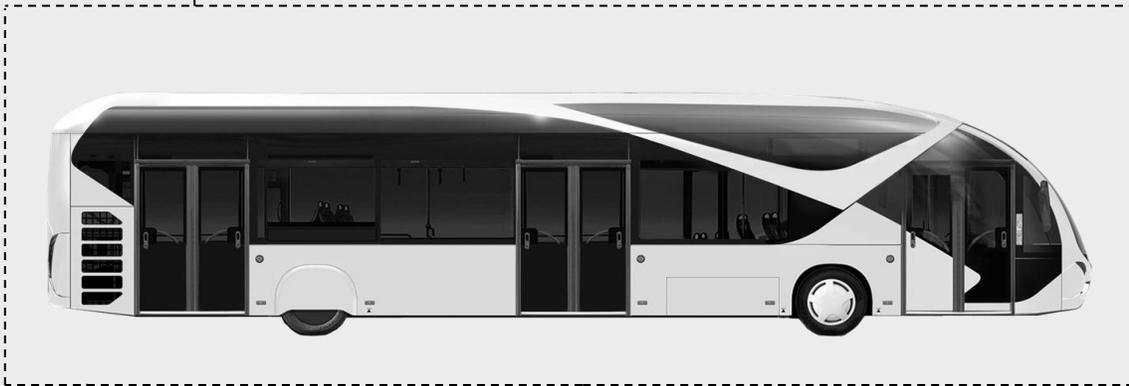
Aluminum parts anodized



Bumper

GRP

Front and rear bumper and lower side covers
GRP



Sound and heat insulation

Drive Train and Range (I)

Driving range

200 km

200 km

Top speed

60 km/h

60 km/h

Standard power

Up to 145 kW continuous power, 245 kW peak power

145 kW

245 kW

Torque

Up to 1100 Nm continuous torque, 3329 Nm peak

1100 Nm

3329 Nm



Battery and Charging

(High Voltage Electric System)

Li-Ion battery (total capacity)

300 kWh

Charging time

(depending on defined charging power)

2 – 10 h

With independent battery cooling system (8 kW)

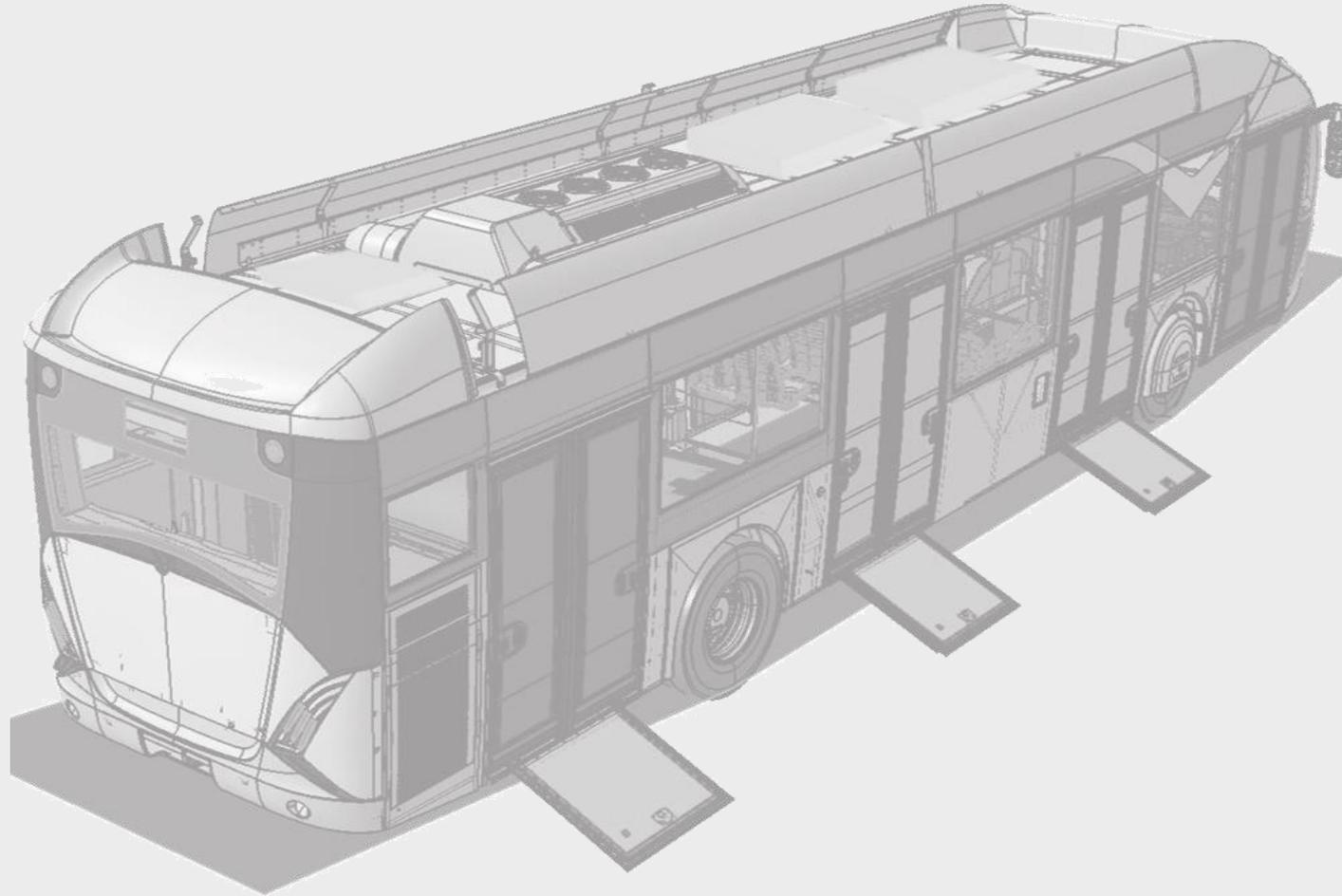
BMS: Eurabus automotive qualified BMS, functional safety

Charging plug: CCS2 European standard DC twin charging socket, 400A

Emergency cut off system at drivers workplace, rear compartment, charging inlet, service-disconnect for safe maintenance

Auxiliary battery: 2x 150 Ah (12 V), maintenance free

Roof-mounted Battery



Drive Train and Range (II)



Drive train: central motor

Proven permanent magnet technology for optimal efficiency



Outer rotor topology for maximum torque density



Low electro-magnetic noise



Low-cogging torque for better NVH
(noise, vibration, harshness)



Four-quadrant operation (recuperation feature)

Doors and Windows

Windows

Tinted against sun, UV protection, emergency exits through windows



Low floor double doors
electric driven

Electrically
heated driver
side window,
windscreen

Ramp at door II

Easy to maintain manual ramp at door II,
special stop button and ramp request button at lower height of
special use area at door II; optical and acoustical signal to the
driver, drive lock when ramp is opened, *(option: electric ramp)*

Outside door opener
with LED illumination

Axles, Gear, Suspension and Compressed Air System

Compressed air system: External charging and outside test connections at front and rear



Air suspension

Wabco ECAS

Tire pressure monitoring system

(Wabco)

Rear axle (ZF)

Front axle (ZF)

Electric air compressor

Electric steering Pump

Steering gear

(Bosch)

Brake System and Light

Front and rear drum brake, double circuit air brake conforming to ECE standard

Rear, fog and
brake light and
turn signal
(All LED)



Day running light,
low/high beam,
fog light
(All LED)

Front and rear axle with **drum brake**

Driver Working Place (I)

(according to German standard VDV regulations)



Driver side window

Double glass window, sliding opening, electrically heated



Driver seat

ISRI, air suspension, special features to be agreed with the customer



12.3" display

Control of vehicle electric features, outdoor temperature information, stop request information, estimated driving range information, battery state of charge and energy consumption information, HVAC automatic control system

Driver Working Place (II)

(according to German standard VDV regulations)



Luggage compartment for the driver

Rear view mirror (Mekra)
(Option: Orlaco camera)



Sun shade wind screen
(electric operated sun shade driver side window, manual operated driver cabin door)



Microphone, speaker and amplifier system

12V outlet



360° View

System can monitor the situation around the bus, the front top camera to shoot the road conditions ahead, reverse view

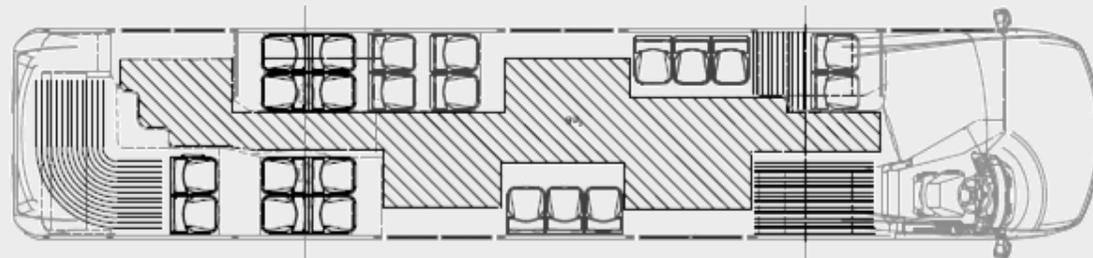
Seating and Climate System

Passenger capacity: up to 110 passengers

(depending on seating layout)

Air conditioning: 32000 kcal/h cooling capacity

(Option: hepa air filter with 99,99 % virus and particle clearance)



Seat Layout Example



Driver seat (ISRI)

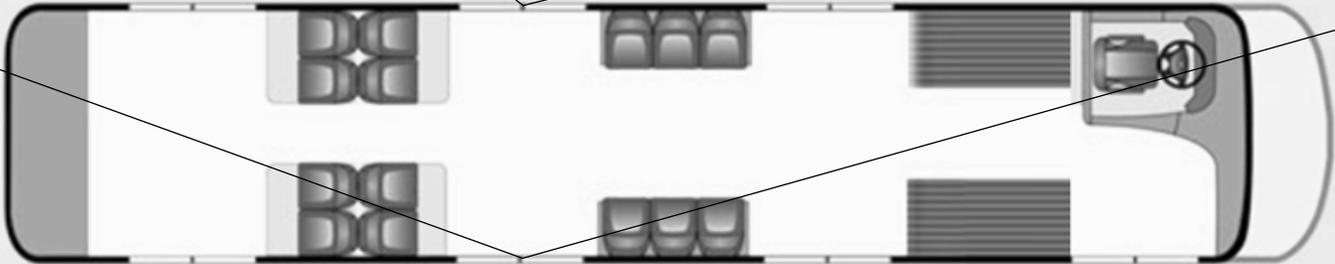
Air suspension, front / rear adjustable, reclining backrest, 3-point safety belt, integrated microphone (Bosch); independent electric A/C, single cooling, cooling capacity: ≥ 4000 kcal/h



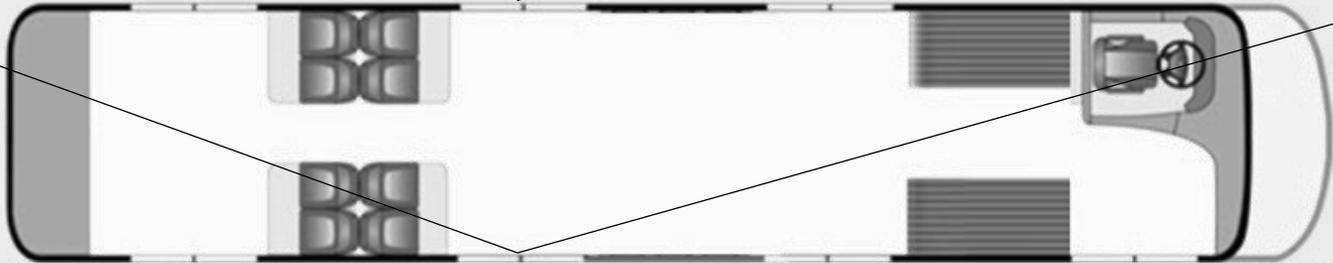
Passenger luxury seat

Artificial leather, 2+2 layout, width 440mm, USB charger
First row, the row behind emergency door, the middle seat of the last row: 3-point seat belt; others: 2-point seat belt
(options: seat heating, 230V socket)

Seating Layout Option 1



Seating Layout Option 2



Wi-Fi, CCTV and Safety



Wi-Fi and internet system



CCTV system

inside middle door, front to rear and rear to front



Parking sensor



Acoustic vehicle alerting system (AVAS)



Automatic fire detection system and fire extinguishers (3 x 4 kg)

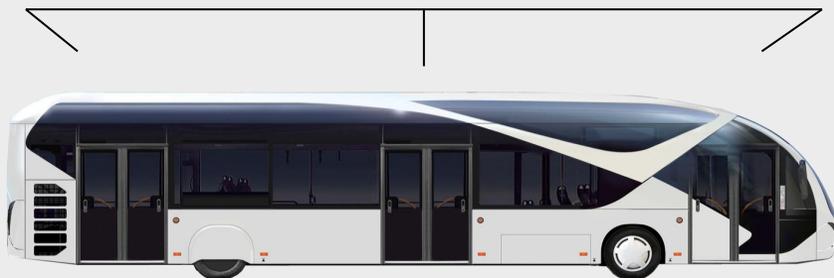
Interior according to the UN regulation 118 (fire resistance of interior materials)



Safety hammers (6) with alarm function



Anti-pinch & auto-reverse doors





Contact

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