


ECITY L12

12 meter electric city bus



Characteristic	Value
Length	12.200 mm
Length	2.550 mm
Height	3.320 mm
Step	5.950 mm
Front / rear overhang	2.830/3.420 mm
Front / rear track	2.130/1.858 mm
Approach / escape angle	7° / 6.8°
Minimum turning diameter	21.700 mm
Maximum climbable slope	≥ 20 %
Maximum permitted mass	19 t
Number of passengers	85 without wheelchair
Access threshold height	330/330/330 mm
Normative	 ECE R107

Characteristic	Value
Engine type	Permanent magnet synchronous motor
Engine model	ECAR TQSL100A-6/380
Maximum power	210 kW
Maximum torque	2.700 Nm
Cooling	Liquid
Battery type	Lithium Iron Phosphate (LiFePO4)
Battery model	CATL 422.87kWh 228Ah
Energy capacity	422 kWh
Charging cycles	≥ 3.000
Charging time	~ 7 h with 60 kW charger
Storage battery charger models	60/120/180kW DC EC Three-Phase Battery Charger AC 400V ± 15%
Operating temperature	Yes -20° C to +55° C
Charging connector	CCS (combo 2)
SORT 1 Autonomy	> 300 Km
Maximum speed	70 km/h with limiter

Technical specifications vary according to countries, national regulations and customer requests.

Skeleton

Monocoque structure.
Reinforced lateral structure to protect against lateral impacts.
Cathaphoresis anti-corrosion treatment.

Internal setup

Non-slip PVC floor covering.
Internal linings in ABS.
Plastic-coated steel or stainless steel handrails (optional).

Door

2 or 3 double doors, pneumatic or fully electric (optional) equipped with anti-crushing device both when opening and closing.
Sliding doors (optional).
Central door equipped with manual or electric folding ramp (optional).

Devices

Camera for reversing maneuvers and 2nd gear control 3rd door with monitor in the driver's seat.
Electronic remote control system on the status of the traction batteries.
Route indicators: front, side and rear (optional).
Internal video surveillance system (optional).

Glazing

Laminated windshield.
Side windows with single glass that open above the Vasisstass.
Sliding driver's seat side window.
Hatches in the pavilion can be used as an emergency exit.

Driver's seat

Full-height protective side wall.
Ergonomic arrangement of control devices.
Pneumatic driver's seat with three-point seat belt, longitudinal and height adjustment, reclining and equipped with armrest.
Sunblinds on the left side of the windscreen and on the driver's side window.
Heated external rear-view mirrors electrically adjustable from the driver's seat.

Chassis

ZF RL 82EC independent front axle.
Rear axle ZF AV 133/90.
Gear ratio 6.2.
Idroguida ZF 8098.
Pneumatic suspension with electronic control system (ECAS-Wabco), kneeling, and vehicle lifting and lowering device. This solution automatically adjusts the set-up of the vehicle with pneumatic suspensions according to the various conditions of the road surface.
KTC Compact 2-BUS pneumatic system compressor.

Brakes

Pneumatic system.
KNORR disc brakes on both the front and rear axles.
EBS3 Wabco
Braking energy recovery device.

Tires: Michelin

Front 275/70 R 22.5 single.
Rear 275/70 R 22.5 twin.

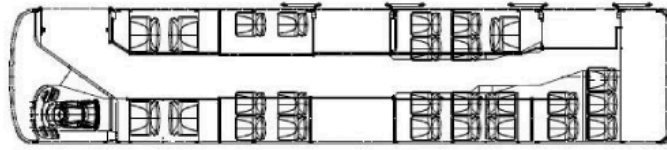
Lighting

Front fog lights.
External LED lights.
Internal LED lighting.

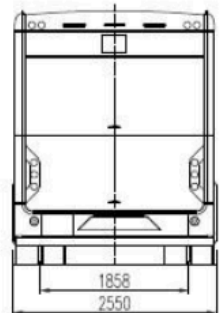
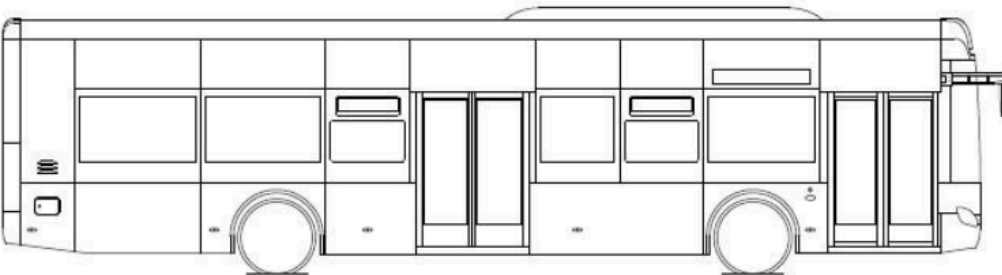
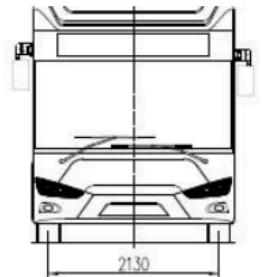
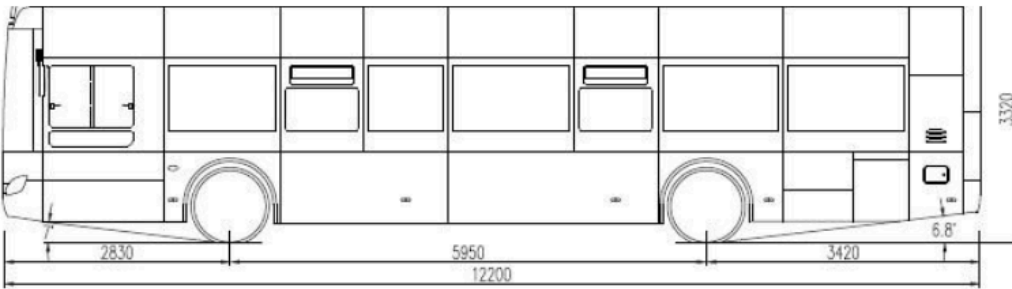
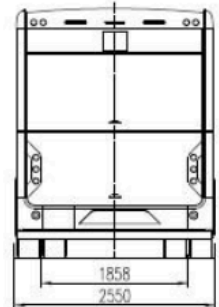
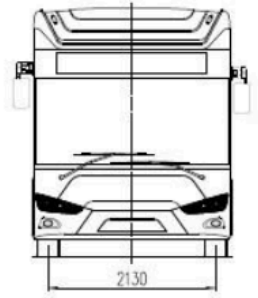
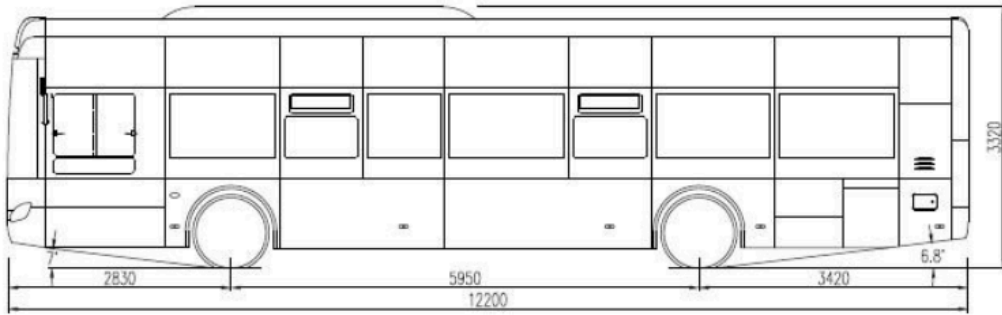
Air conditioning

Independently controlled Valeo-Spheros passenger compartment and driver's seat air conditioning system.
Automatic climate control system for traction battery packs.

ALFABUS EUROPA reserves the right to change specifications at any time and without notice.



Internal Layout Example





For any questions about our products or for customized solutions, do not hesitate to contact us.

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