



Layout 18m

35 seats + "wheelchair" space (x) + driver



WEIGHTS

Gross kerb weight	according to equipment
G.V.W. max permitted weight	30 000 kg

DIMENSIONS

Overall length	17,970 m
BRT version in option (Overall)	18,185 m
Overhang	2,705/3,225 m
Wheelbase	5,355/6,675 m
Overall width	2,550 m
Total height, full load (without/with pantograph)	3,234/3,318 m
Inside headroom (front part/rear part)	2,384/2,262 m
Slope of the floor (rear part only)	7,2 %
1st step height	
Front door	0,320 m
Center & rear door	0,330/0,340 m
Width of front / center / rear doors	1,200 m
Floor height	0,340 m
Ground clearance, under skirt	0,300 m
Front/rear tracking	2,087/1,869 m
Inner Turning radius	10,182 m
Outer Turning radius	11,650 m
Angle of attack / escape	7,4°/7,4°

E-WAY FULL ELECTRIC – 18m

ELECTRICAL ARCHITECTURE

Siemens ELFA 3 electric motor – 490 kW peak power
Max Torque 5000 Nm

	NMC (Nickel Manganèse Cobalt) High energy battery
Serial	416 kWh
Option	485, 554, 624 kWh

Charging system:

- CCS Combo2 plug (up to 150 kW)
- Depot charging with Bottom up or Top down pantograph (up to 150 kW)
- Opportunity charging with with Bottom up or Top down pantograph (up to 50 kW)

CHASSIS AND STRUCTURE - EXTERIOR TRIM

Self-supporting integral structure. Anti-corrosion treatment of chassis by cathaphoretic immersion

Body structure consisting in 5 panels (front/rear/left/right/top) made of welded stainless-steel sections and sheet panels

Assembling of the 8 panels to the chassis by bolting. 12mm thick plywood floor, protected by phenolic resins on both sides and wax containing resins on ground side

Composite front and rear ends, roof and side panels. Bonded assembly. Gravel resistant protected wheel arches. Composite front and rear bumpers in 3 parts
With or without external advertising frames.

BRT options:

GX LINIUM front end
Wheel covers

ACCESS AND DOORS

3 or 4 inward swinging/sliding doors. Both leaves of front door are double glazed

Electric or Pneumatic doors

Manual or electrical 800mm access ramp on the central door

Manual or electrical left and right rear-view mirrors with self-defrosting and integrated flag holders.

Camera mirrors with or without approach camera

GLAZING – HEATING – COOLING

TSA tinted or Shade-Lite panoramic laminated glass windscreen bonded on front face

Driver's window: sliding type in front part.

Bonded side windows. TSA tinted glass all round or Athermal Venus Grey 40 or 35

tinted except driver's window, front door and rear window

With or without triangular windows on platform

Insulated roof

4 air exhausters on rear part of the roof

HVO or fuel or electric 20 kW or mix HVO/electric heater

1 to 3 heaters for passenger compartment

Thermal insulation for water circuit

With or without passenger and/or driver's compartment air conditioning by R134a system or CO2 Heat Pump

Thermal comfort pre-conditioning

DRIVER'S COMPARTMENT

Adjustable steering wheel (height and angle)

Air-suspended driver's seat with adjustment control on right-hand side

VDV instrument panel with warning lamps and control display panel

Interior rear-view mirrors. Left side and front sun visor

Driver's individual with 2 spotlights, luggage box

Driver's door with or without anti aggression gate

Wall behind the driver with a glazed upper part

ADAS/GSR equipment including :

- Blind spot info system
- Moving off info system
- Camera reverse
- Intelligence speed assist (speed limit display)
- Driver drowsiness attention warning
- Alcohol interlock preparation
- Tires pressure monitoring
- Emergency stop signal

INTERIOR TRIM

Wheelchair and pram space

Epoxy or stainless-steel stanchions and handrails

High wear resistant floor covering up to plinths top

Laminated roof and side panels. Thermo-formed wheel arches. Polyester ceiling arches.

With or without fire extinguisher

Cantilever seats

ELECTRICAL EQUIPMENT

2-off 12 V 225 A/h maintenance-free batteries mounted on a sliding support located in an outside compartment at the vehicle front left-hand side

Converter DC/DC 600/24V + optional 24V plug in the rear compartment

Passenger compartment lighted by leds lights

Optional atmosphere lightings

Door step lighting at door opening

Lighting of driver's compartment, paying position and steps

External lights with leds: parking, stop, fog, reverse, turning, and marker lights

FMS 4.0 socket

Electricity-saving system for intensive use whilst engine is off.

Thermal circuit-breakers.

Battery re-loading and engine start FENWICK socket

8 passenger's loudspeakers and 1 driver loudspeaker and 1 outside loudspeaker

Preparation for front, lateral and rear electronic destination panels

With or without flashing/stop indicators on the top of rear end

With or without complete radio equipment (Tunner, USB, Bluetooth)

With or without monoring gong for pedestrian zone

With or without Front fog lights

With or without Preparation for ITxPT

Telematics system

Cybersecurity secure logger

Drive the road of change

FRONT AXLE

8,165 tons axle

Front independent wheels

REAR AXLE

ZF AV 133

Axle torque: 5,76 (21x38)

SUSPENSION

Constant height air suspension.

Kneeling and raising system (72 mm stroke) on vehicle right-hand side, controlled from the driving position.

COMPRESSED AIR

Pressure: 10 bars. Electric compressor (output: 400 l/min). Single tower air dryer.

Manual bleeding on the air tanks. Cyclone air cleaner. Oil separator.

BRAKES

Service brakes: air-controlled disc brakes at the front and at the rear. .

ABS-ASR braking system. EBS braking system

Parking brake and door brake controlled via separate circuits.

Pneumatic parking brake actuated by lack of air, spring chamber on rear wheels

Service braking: electrical FAE

Brakes applied by opening of the central door

Retarder made by the electric traction motor

Manual retarder control

WHEELS AND TYRES

Michelin or Bridgestone

275/70 R 22.5 tires at the front, twin tires at the rear

With or without wheel covers

CERTIFICATION

In accordance with the R100-2 Regulation

In accordance with the appendix 8 of the ECE R107 Regulation and with

the appendix 11 of the decree of August 3rd, 2007

Compliance with R66, R29 & R93 standards

Compliance with ISO 15-118 for smart charging