

Lamis 18t

TIMISOARA TROLLEYBUS



128
PASSENGER

80 KM
BATTERY RANGE

18
M

%100
LOW FLOOR

Lamis 18t

The eight 18-meter trolleybuses, manufactured for the city of Timișoara, Romania, are setting a new standard for sustainability in urban mobility, featuring whisper-quiet operation, energy efficiency, modern design, and zero-emission performance (offering a cleaner, smarter, and more refined public transport experience- this phrase is optional and only for marketing points).



TECHNICAL SPECIFICATIONS

Catenary Voltage (Line Voltage) 600 VDC (+/- % 30)
Operation in Reverse Polarity Yes

VEHICLE TYPE

Vehicle Category & Class 100% Low Floor, M3 Class I
Number of Articulations 1

ELECTRIC MOTOR

SYSTEM FEATURES

Nom. Engine Power (kW) 240
Max. Engine Torque (Nm) 2800
Motor Configuration Central Motor
Motor Type Asynchronous Motor
Engine Cooling Type Air-Conditioned Cooling
Maximum Climbing Slope 14%

PERFORMANCE &

VEHICLE FEATURES

Maximum Speed (Km/h) 80
High Voltage Battery Type NMC Type
High Voltage Battery Capacity 229 kWh
Battery Range (With E-SORT-2) 160 km
Battery Range (With Operating Conditions) 80 km
Charging Type

Charging Type For Catenary
Charging Power

Charging Features
Number of Doors

Maximum Seat Capacity
Passenger Capacity

Via the catenary and
AC external charging
up to 60 kW
52 kW via the Catenary line
(On-Board Charging) 3x400
VAC 63 A AC External
Charging Slow Charge
4 units, double-leaf –
electric or pneumatic
46 Seats
128 Passenger

VEHICLE DIMENSIONS

Vehicle Length 18230 mm
Vehicle Width 2550 mm
Vehicle Height 3400 mm
Max. Allowed Weight 29000 Kg

HEATING AND COOLING (HVAC)

HVAC system (with BTMS) Electric Heating and Cooling +
(Electric Preheater)
Nominal Cooling Capacity 2x20 kW
Nominal Heat Pump Capacity 0°C: 12 kW
15°C: 20 kW
Battery Cooling Capacity 6 kW
Operation Temperature Range Between -30°C and +50°C
Auxiliary Heater (Optional) Under-seat Heater (4 x 2 kW)
Preheater Feature Up to 2 x 15 kW
Defroster (Driver Heating) 8,1 kW
Defroster (Driver Cooling) 4 kW

BRAKE SYSTEM- AKS TYPE-WHEEL

Brake system

Suspension System

Tire Size
Front Axle
Drive Axle
Carrier Axle for
Articulated Buses
Number of Axles

WABCO , EBS3
(ABS, ASR, Regenerative Braking)
WABCO, ECAS
(Air Suspension, Kneeling Function)
275 / 70 R22.5
ZF RL 82 EC (Independent)
ZF AV 133 Driven Portal Axle
AVN 132

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