

TECHNICAL SPECIFICATION

- E-BUSES RAMPINI
- HYDROGEN BUS RAMPINI
- RECHARGE STATIONS

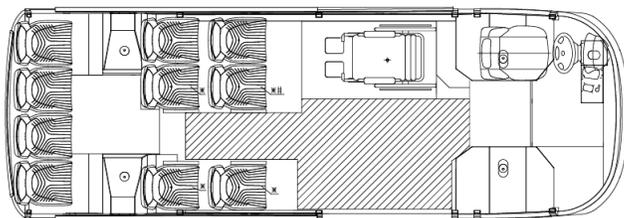


SIXTRON

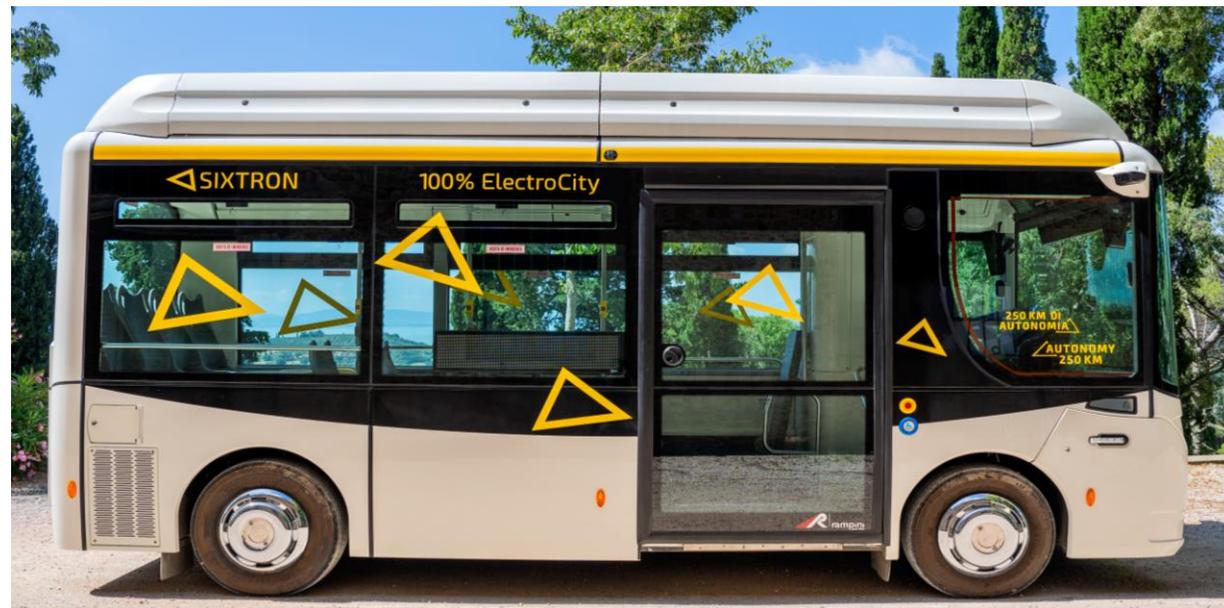
M3 - CLASS I

VERSION AND DOORS

1 DOOR



Battery Power	173 kWh	210 kWh
No. of seats	10 + 1 wheelchair + 1 driver	10 + 1 wheelchair + 1 driver
No. of standing places	17 with wheelchair 20 without	14 with wheelchair 17 without
Total no. of passengers	29 with wheelchair 31 without	26 with wheelchair 28 without



DIMENSIONS AND WEIGHT

Vehicle length	6,110 mm
Vehicle external height	3,000 mm
Vehicle width	2,100 mm
Wheelbase	3,700 mm
Front overhang	1,190 mm
Rear overhang	1,220 mm
Turning radius	14,000 mm

Front overhang angle	10°
Rear overhang angle	10°
Front track	1,765 mm
Rear track	1,735 mm
Door threshold height	340 mm
Maximum gross weight	8,850 kg



SIXTRON

TRACTION MOTOR

Motor	PEM (Permanent Magnet Motor)
Power	230 kW
Maximum speed	70 km/h
Maximum gradient:	> 16 %

FRAME

Frame	Steel unibody, stainless steel wheel arches
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TRACTION BATTERIES

Traction batteries	LiFePO4, 175 kWh / 210 kWh
Charging socket	Type CCS2 on the rear left side
Range in Km	250 km (without air conditioning)



DRIVER'S SEAT

Driver dashboard	Colour display
Driver's seat	Pneumatic seat suspension
External rearview mirrors	Rearview mirrors equipped with cameras
Internal rearview mirrors	Rectangular front mirror, Round mirror near the door

DOORS

Central door	Electric, 1 sliding door
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RAMP

Wheelchair ramp	Manual folding ramp, load 350 kg
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AIR CONDITIONING

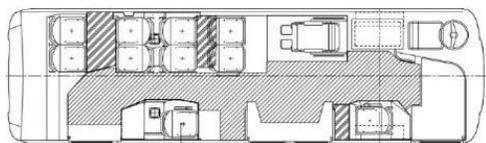
Driver area	3 kWt independent AC, heating 3 kWt
Passenger area	3 kWt independent AC, optional 7 kWt
Heating radiators	Convactor heaters

ELTRON

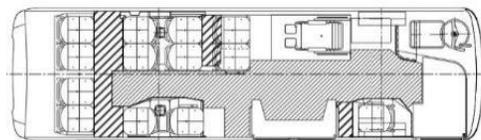
M3 - CLASS I

VERSION AND DOORS

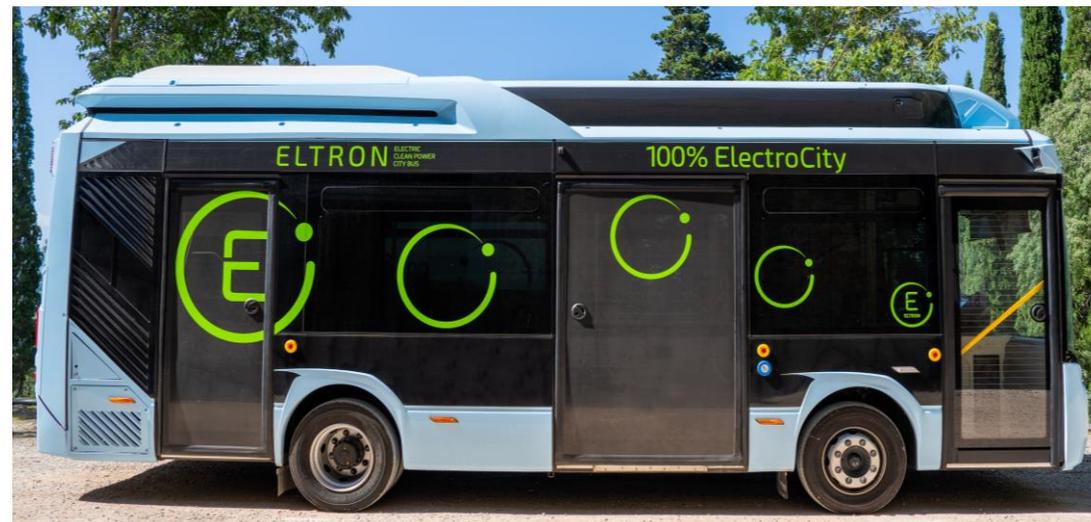
3 DOORS(optional)



2 DOORS



No. of seats	10 + 1 wheelchair + 1 driver	13 + 1 wheelchair + 1 driver
No. of standing places	31 with wheelchair, 35 without	30 with wheelchair, 34 without
Total no. of passengers	43 with wheelchair, 46 without	45 with wheelchair, 48 without
Floor	Low throughout, third door with step	Low throughout



DIMENSIONS AND WEIGHT

Vehicle length	8,000 mm
Vehicle width	2,200 mm
Vehicle external height	3,250 mm
Wheelbase	3,700 mm
Front overhang	1,870 mm
Rear overhang	2,430 mm
Turning radius	14,850 mm

Front overhang angle	10°
Rear overhang angle	9°
Front track	1.850 mm (Single wheels)
Rear track	1.670 mm (Twin wheels)
Door threshold height	340 mm (third door with 120mm step)
Maximum Gross Weight	12,000 kg



ELTRON



TRACTION MOTOR

Motor	PEM (Permanent Magnet Motor)
Power	230 kW
Maximum speed	70 km/h
Maximum gradient:	> 16 %

CHASSIS

Chassis	Steel unibody, stainless steel wheel arches
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TRACTION BATTERIES

Batteries	LiFePO ₄ , 210 kWh / 280 kWh
Charging socket	Type CCS2 on the rear right side
Range in Km	> 300 km (without air conditioning)

RAMP

Wheelchair ramp	Manual folding ramp on central door, load 350 kg
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DRIVER'S SEAT

Driver dashboard	Colour display
Driver's seat	Pneumatic seat suspension
External rearview mirrors	Rearview mirrors equipped with cameras
Internal rearview mirrors	Rectangular front mirror, Round mirror near the door

AIR CONDITIONING

Driver area	3 kW independent AC, heating 3 kW
Passenger area	7 kW independent AC, heating 7 kW
Heating radiators	Convactor heaters

DOORS

Front door	Electric, 1 internal pivot sliding door, width 730 mm
Central door	Electric, 1 sliding door, width 1180 mm

Conductive charge – WallBox/Totem Standard CCS Type 2 ISO 15118/ DIN70121



- Single/Double dispenser
- 50kW/100kW (fino a 250kW)
- IP54
- OCPP1.6



- Single/Double dispenser
- 20kW/40kW
- IP54
- OCPP1.6



- Singledispenser
- 44kW
- IP54
- OCPP1.6

- City of Hamburg
- 100kW

Conductive Charging - Storage Infrastructure

Depot charging



Opportunity charging



Frontend



CCS



GB/T



Charging Center



Pantograph & Hood



Charging pantograph from existing caternaria



REGENSBURG

Night charging with pantograph
Opportunity charge
5 buses



CHIETI

Night charging with pantograph
Opportunity charge
1 bus



VIENNA

Night charging with pantograph
Opportunity charge
12 buses

ALL OUR BUSES CAN ALSO BE
EQUIPPED FOR CHARGING BY
**DIRECT OR REVERSE
PANTOGRAPH**

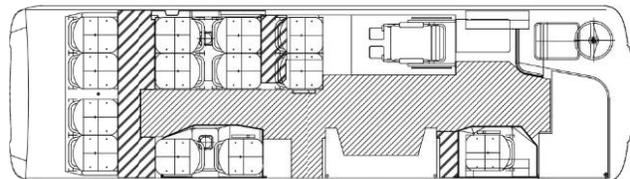


HYDRON

M3 - CLASS I

VERSION AND DOORS

2 DOORS



No. of seats	13 + 1 wheelchair + 1 driver
No. of standing places	30 with wheelchair, 34 without wheelchair
Total no. of passengers	45 with wheelchair, 48 without wheelchair
Floor	Low throughout



DIMENSIONS AND WEIGHT

Vehicle length	8,000 mm	Front overhang angle	10°
Vehicle width	2,200 mm	Rear overhang angle	9°
Vehicle external height	3,250 mm	Front track	1.850 mm (Single wheels)
Wheelbase	3,700 mm	Rear track	1.670 mm (Twin wheels)
Front overhang	1,870 mm	Door threshold height	340 mm
Rear overhang	2,430 mm	Maximum Gross Weight	12,000 kg
Turning radius	14,850 mm		



HYDRON

TRACTION MOTOR

Motor	PEM (Permanent Magnet Motor)
Power	230 kW
Maximum speed	70 km/h
Maximum gradient:	> 16 %

FRAME

Frame	Steel unibody, stainless steel wheel arches
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TRACTION BATTERIES

Batteries	LiFePO4, 175 kWh
Hydrogen	3 tanks 3.6 kg each, 350 bar, 194 kWh
Charging socket	Type CCS2 on the rear left side
Hydrogen refuelling	Nozzle with SAE J2600 profile, rear right side
Range in Km	> 400 km (without air conditioning)



RAMP

Wheelchair ramp	Manual folding ramp on back door, load 350 kg
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DRIVER'S SEAT

Driver dashboard	Colour display
Driver's seat	Pneumatic seat suspension
External rearview mirrors	Rearview mirrors equipped with cameras
Internal rearview mirrors	Rectangular front mirror, Round mirror near the door

AIR CONDITIONING

Driver area	3 kW independent AC, heating 3 kW
Passenger area	7 kW independent AC, heating 7 kW
Heating radiators	Convactor heaters

DOORS

Front door	Electric, 1 internal pivot sliding door, width 730 mm
Central door	Electric, 1 sliding door, width 1180 mm

RECHARGING INFRASTRUCTURE



In 2022 Rampini, featuring SAPIO, built first Hydrogen recharging station in Umbria.



In 2021 Rampini, featuring Siemens, built an important recharging infrastructure for AMT Genova buses.

ITALIAN MARKET



CAGLIARI



BIELLA



PESCARA



CHIVASSO



ISOLA
DI
PANTELLERIA



PORTOFINO

INTERNATIONAL MARKET



MARBURG



MADRID



HARBURG



VIENNA



NIORT



PATRAS

