

REBORN QUELTEHUE 2024



100% ELECTRIC VEHICLE

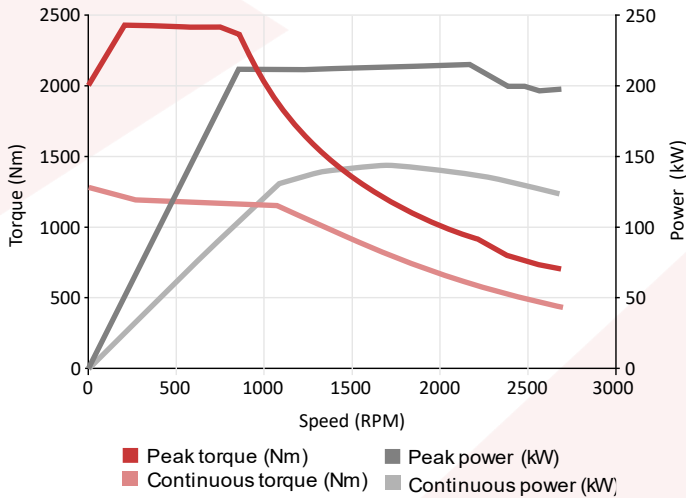
(
MODEL
TOURISM
)

VEHICLE

Brand	Reborn Electric Motors
Model	Queltehue
Chassis	L0916
Bodywork	Senior G7 Turismo
Max Speed	90 km/h with limiter
Distance between axles	4.500 mm

ENGINE AND TRANSMISSION

Model	SUMO TM4
Type	Synchronous (Permanent Magnets)
Peak / Continuous Power	215 kW / 145 kW
Peak / Continuous Torque	2430 Nm / 1275 Nm
Transmission	Direct Drive
Differential	4.3 : 1



BRAKES

Service	Pneumatic
Brake Type	Disc Brakes
Parking Brakes	Pneumatic spring accumulator cylinder, operating in the rear wheels
Compressor	Electric pistons (under maintenance)
Regenerative Brakes	Yes
ABS	Yes

TIRES / WHEELS

Wheels	6.00 x 17.5
Tires	215/75 R17.5
Type	Radial M+S

BODYWORK

Brand	Marcopolo
Number of Passenger	24 passengers
Model	Senior G7 Turismo
Overturning Normative	ECE R66.02
Windshield	Shatterproof normative NCH 70
Luggage Rack	Rear
Glass Windows	Glued
Door type	Pantographic
Cabin Separation	Yes
Wiper Washer	Radial
Driver's Seat	Isringhausen pneumatic
Seat Belt	Three point
Passenger's Seat Model	Intercity 940 reclining
Armrest	Yes
Seat Covering	Plush

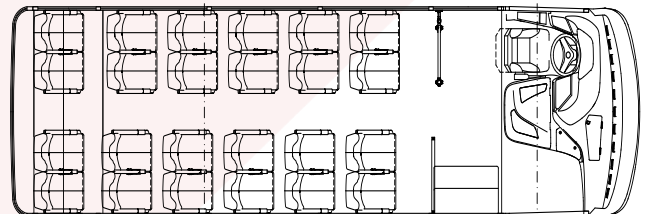
BATTERIES

Manufacturer	CATL
Type	Litio-ferrofosfato (LFP)
Capacity	140.9 kWh
Protection Rating	IP68
Refrigeration System	Water / Glycol (50 / 50) with chiller
Charge Protocol	CCS2

SUSPENSION

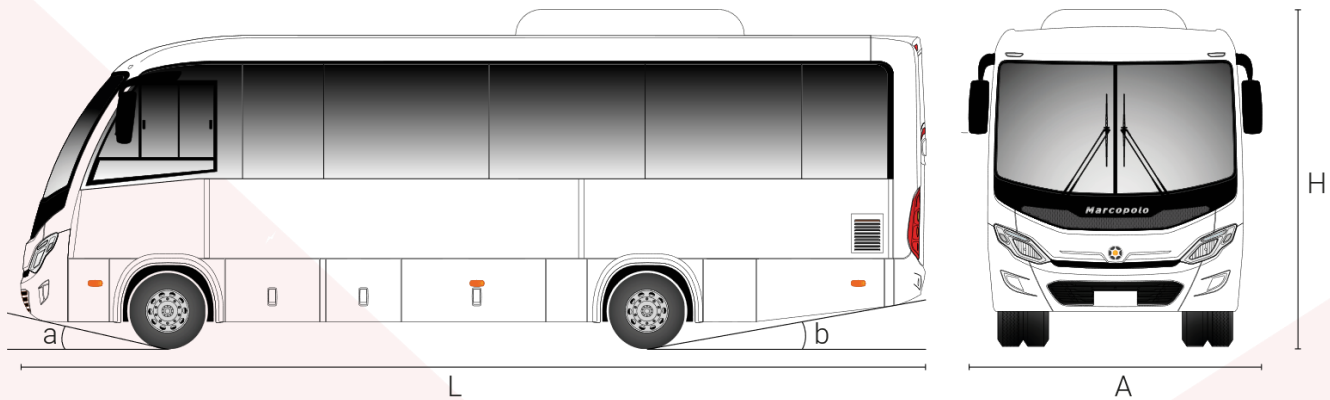
Suspension	Parabolic crossbow
Shock Absorbers	Double Action Telescopic
Anti-roll Bars	Yes

SEATS LAYOUT



DIMENSIONS

Lenght (L, mm)	8.500
Width (A, mm)	2.395
Height (H, mm)	3.245
Approach Angle (a)	21°
Departure Angle (b)	10°
Turning radius	7.5 m



VISIBILITY

Lateral Rearview Mirrors	Mirrors
Rear Mirror	Reverse camera with Screen (optional)

AIR CONDITIONING

Heating	Forced by radiators
Air Conditioning	Ceiling Air (Valeo)
Defroster	Hot Air Reinforced

SAFETY

Emergency Exits	Lateral, 2 per side
Automatic fire extinguishers	Pressurized Canister

24V ELECTRIC SYSTEMS

Batteries	Lead Acid 24V batteries
Type	Sealed with terminal protection
Location	Exterior Compartment

DIGITAL TACHOGRAPH (OPTIONAL)

Registers drive time, Stops and Distances
4 GB of storage, 6 month records
USB Discharge
Calibration certificate

ELECTRIC DASHBOARD COMPONENTS

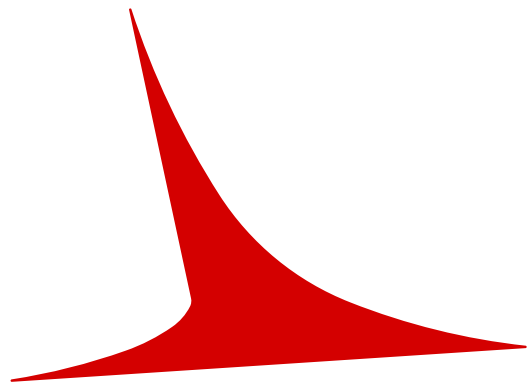
The bus has an additional dashboard displaying:

- Battery State Charge
- Total mileage
- Electrical System Warnings
- Battery and Engine Temperature
- Electric Isolation State

TELEMETRY (OPTIONAL)

Telemetry system that sends and registers operational data in the cloud to aid the predictive maintenance protocols, amongst other services





REBORN
ELECTRIC MOTORS