

REBORN TRICAHUE



100% ELECTRIC VEHICLE

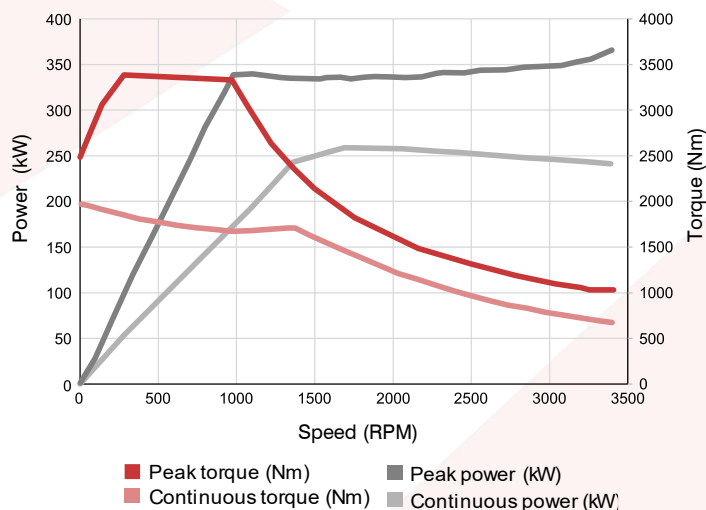
(MODEL
HEAVY DUTY)

VEHICLE

Brand	Reborn Electric Motors
Model	Tricahue
Chassis	O500M
Bodywork	Apache Vip
Max Speed	100 km/h
Distance between axles	5.500 mm

ENGINE AND TRANSMISSION

Model	SUMO TM4
Type	Synchronous (Permanent Magnets)
Peak / Continuous Power	372 kW / 259 kW
Peak / Continuous Torque	3444 Nm / 1969 Nm
Transmission	Direct Drive
Differential	5.857 : 1



BRAKES

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

TIRES / WHEELS

Wheels	8.25 x 22.5
Tires	295 / 80 R22.5
Type	Radial M+S

BODYWORK

Brand	Caio
Number of Passenger	44 passengers
Model	Apache Vip
Overturning Normative	ECE R66.02
Windshield	Shatterproof normative NCH 70
Luggage Rack	Lateral
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	PRO II BR LUJO - 980mm
Armrest	Yes
Seat Covering	Leather

BATTERIES

Manufacturer	CATL
Type	Litio-ferrofosfato (LFP)
Capacity	281 kWh
Protection Rating	IP68
Refrigeration System	Water / Glycol (50 / 50) with chiller
Charge Protocol	CCS2

SUSPENSIÓN

Suspension	
Front	Pneumatic, 2 diaphragm cylinders
Rear	Pneumatic, 4 diaphragm cylinders
Shock Absorbers	Double Action Telescopic
Anti-roll bars	Yes

ELECTRIC DASHBOARD COMPONENTS

The bus has an additional dashboard displaying:

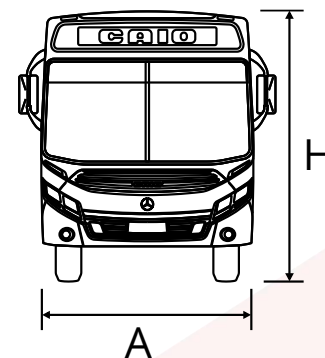
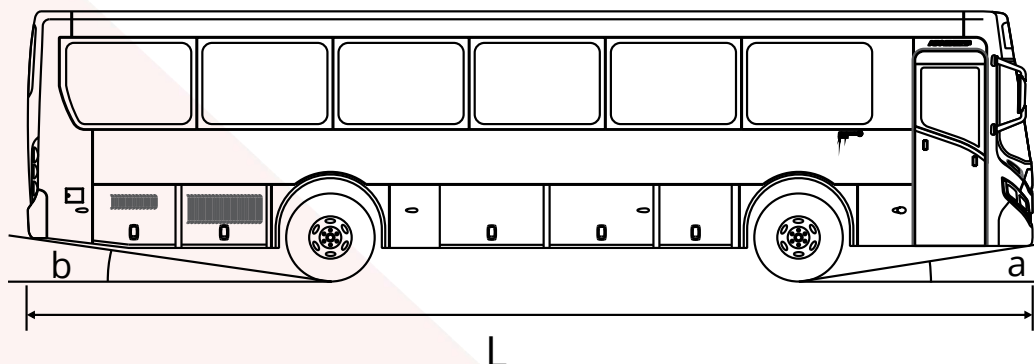
- Battery State Charge
- Total mileage
- Electrical System Warnings
- Battery and Engine Temperature
- Electric Isolation State

DIMENSIONS

Lenght (L, mm)	11.805
Width (A, mm)	2.500
Height (H, mm)	3.150
Approach Angle (a)	8.4°
Departure Angle (b)	8°
Turning radius	10.686 m

VISIBILITY

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



AIR CONDITIONING

Heating	Convection heater in deck and driver cabin
Air Conditioning	Electric in the trunk
Defroster	Hot Air

TELEMETRY (OPTIONAL)

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

SAFETY

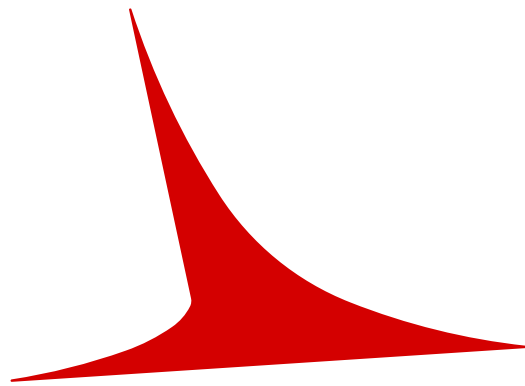
Emergency Exits	Lateral, 2 per side
Automatic fire extinguishers	Pressurized Canister

24V ELECTRIC SYSTEMS

Bateries	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



REBORN
ELECTRIC MOTORS