

Birò B2211 Technical Sheet

Type of Birò	Birò Small / Birò Big	
Type of battery / engine	Flat - 45 Maxi	
Category	L6e-BP (light quadricycle)	L7e-CP (heavy quadricycle)
General characteristics		
a. Number of axles:	2	
b. Wheels per axles:	2	
c. Powered axle:	rear	
d. Maximum power consumption of the charger	1 kW	
Main dimensions		
a. length:	Birò Small: 1794 mm	
b. width:	Birò Big: 1835 mm	
c. height:	1107 mm	
d. Track width front:	1566 mm	
e. Track width rear:	860 mm	
Masses		
a. Mass in running order (w/o battery, w/o doors)	Birò Small: 297 kg	
	Birò Big: 304 kg	
b. actual mass (w/ battery and driver, w/o doors)	Birò Small: 424 kg	
	Birò Big 431 Kg	
c. Technically permissible max mass	650 kg	
d. mass of propoulsion battery	46 kg	46 kg
Propulsion Battery		
a. capacity (Ah)	100 Ah	100 Ah
b. capacity (kWh)	5,04 kWh	5,04 kWh
b. Voltage	50,4 V	50,4 V
c. position on the vehicle:	Floor	Floor
Motors		
a. Number	2	
b. type	DC Brushless permanent magnets	
c. RPM max	460	650
d. Rated power	3,5kW	5kW
e. Max power	3,9 kW	5,5kW
f. Torque max	311 Nm	380,5 Nm
Tyres		
a. front	145/60R13 66H	
b. rear	145/60R13 66H	
Performances		
a. max speed	45km/h	60 km/h
b. Gradient 10% average speed	20 km/h	30 km/h
d. Max hill starting at max mass:	20%	
e. Turning diameter	5,5 m	
f. Consumption (kWh/100km)	4,8 (Tested on Euro 4)	6,4 (Tested on Euro 5)
g. Electric range (EU n.134/2014)	100 km *	90 km**

*Test cycle ECE R47

**Test cycle WMTC revised

n.a. = not available

This vehicle has been designed for continuous use up to 10% gradient, up to 1500m altitude and between -10°C and + 35°C. Outside of these values, there could be an important power reduction.