

# Technical Specification - Rascal Rio Powerchair

Powerchair type Class	Class A, B or C	Class B
Department of Transport Class	Class 1 2 or 3	Class 2
Overall dimensions fully assembled	length x width x height mm (in)	880 (35) x 550 (23) x 900 (35)
Overall dimensions seat & footplate folded	length x width x height mm (in)	685 (27) x 550 (23) x 800 (31.4)
Maximum carrying capacity - not to be exceeded	kg (lb)	113 (250)
Mass (weight) including batteries	kg (lb)	44.6 (98.3)
Battery voltage and capacity	volts and ampere hours	12v x 14Ah x 2*
Mass of batteries (x2)	kg (lb)	8.6 (19)
Type of seat		Padded with folding back, adjustable arm height, angle and width.
Mass (weight) of seat	kg (lb)	11.88 (26.2) - with joystick module fitted
Mass (weight) of front (without batteries)	kg (lb)	9.75 (21.5)
Mass (weight) of of rear (without seat)	kg (lb)	14.4 (31.75)
Seat width	mm (in)	457 (18)
Seat depth	mm (in)	432 (17)
Wheel size front/rear	mm (in)	152 (6) / 203 (8)
Type of tyres	type	Solid
Maximum speed	km/h (m.p.h.)	6.4 (4)
Minimum braking distance from maximum speed	m (ft)	1.03 (3.4)
Range on full charge and flat ground	km (miles)	Up to 13 (8)
The turn-around width	m (ft)	1.06 (3.5)
The maximum safe slope	degrees of slope	6° - Do not exceed the powerchair may topple
The maximum climbing ability facing upwards	degrees of slope	6° - Do not exceed the powerchair may topple
Ground clearance	mm (in)	23 (0.9)
Maximum obstacle climbing ability	mm (in)	25 (1)
Maximum safe descendable kerb height	mm (in)	25 (1)
Force to operate Joystick control	Newtons (lbs)	1 (0.224)
Force to operate Freewheel levers	Newtons (lbs)	45 (10.1)
Ambient operating temperature range	°C (°F)	2 (35.6) to 40 (104)

This power-chair meets the relevant requirements of ISO 7176:14 2008. Due to a policy of continual improvement, Electric Mobility Euro Ltd reserves the right to change specifications without prior notice.