

Technical Specification - Rascal Rio Powerchair

Wheelchair type – Rear Wheel Drive	Class A, B or C	EN 12184 - Class B
Department of Transport	Class 1, 2 or 3	Class 2
Overall dimensions fully assembled	length x width x height mm (in)	880 (34.6) x 550 (21.6) x 900 (35.4)
Dimensions- seat and footrest folded	length x width x height mm (in)	685 (27.0) x 550 (21.6) x 800 (31.4)
Maximum carrying capacity	Kg (lbs) ((stone))	113 (249) ((17.8))
Mass (weight) including 14Ah batteries	Kg (lbs)	46.5 (102.5)
Mass (weight) of heaviest part* (Rear Section)	Kg (lbs)	14.9 (32.8)
Mass (weight) of Front Section (without Batteries)	Kg (lbs)	10.5 (23.1)
Mass (weight) of Front Section (with Batteries)	Kg (lbs)	19.3 (42.5)
Mass (weight) of seat (Joystick & bracket fitted)	Kg (lbs)	12.3 (27.1)
Battery voltage and capacity	Volts and Ampere-hours	12V / 14Ah x 2
Type of seat	Comfort Seat	Folding seat-back & folding armrests
Seat Width	mm (in)	457 (18)
Seat Depth	mm (in)	432 (17)
Drive Wheel dimensions	mm (in)	200 x 75 (7.9 x 3)
Castor Wheel dimensions	mm (in)	150 x 50 (5.9 x 2)
Type of wheels/ tyres	Solid foam filled - puncture proof	
Maximum speed	Km/h (m.p.h.)	6.4 (4.0)
Minimum braking distance at max. speed	m (ft)	1.03 (3.4)
Range** - Max User Weight	Km (miles)	11.0 (6.8)
Range** - 90kg User Weight	Km (miles)	13.8 (8.6)
Range** - 68kg User Weight	Km (miles)	15.4 (9.5)
Range** - 44kg User Weight	Km (miles)	16.8 (10.5)
Turn-around width	m (ft)	1.06 (3.4)
Turning radius	m (ft)	0.80 (2.6)
Max. safe slope	Degrees of slope	6° -Do not exceed Powerchair may topple
Max. climbing ability facing forward	Degrees of slope	6°
Ground clearance	mm (in)	23 (0.9)
Max. obstacle climbing ability	mm (in)	25 (1.0)
Max. descendible kerb height	mm (in)	25 (1.0)
Force to operate Joystick Controller	Newtons (lbf)	1.0 (0.22)
Force to operate Freewheel levers	Newtons (lbf)	45 (10.1)
Ambient operating temperature range***	°C (°F)	2 (35.6) to 40 (104)

NOTE: This Powerchair meets the relevant requirements of ISO 7176-14:2008 Electrical Safety

*Heaviest Part based ISO 7176-5:2005 definition of being heaviest part as to dismantle powerchair for transportation without the use of tools.

**Range on full charge and flat ground based on ISO 7176-4:2008 Theoretical Distance Test.

***Do not charge battery outside this temperature range. Doing so can permanently damage battery.

Due to a policy of continual improvement, Electric Mobility Euro Ltd. reserves the right to change specifications without prior notice.