

Technical Specification - Rascal Rialto Powerchair

Wheelchair 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)	1090 (42.9) x 624 (24.5) x 980(38.58)
Maximum carrying capacity	kg (lbs)	136 (300)
Mass (weight) including 34 Ah batteries	kg (lbs)	84 (185.2)
Mass (weight) of seat	kg (lbs)	21.8 (48)
Mass (weight) of chassis (heaviest part) with batteries	kg (lbs)	62 (136.7)
Standard battery voltage and capacity	Volts and Ampere hours	12V / 34Ah x 2
Type of seat	RHAB01	Tension adjustable back with swivel and configurable width/depth
Seat width settings	mm(in)	440 to 490.2 (17.3 to 19.3)
Seat depth settings	mm(in)	430, 445 & 480 (17, 18 & 19)
Seat tilt angles	degrees	3, 6 & 9
Seat back angle	degrees	95, 105 & 115 (90 +5, +15 & +25)
Joystick Bracket (type)	Type	Adjustable swing-away
Castor wheel dimensions	mm (in)	152.4 x 50 (6 x 2)
Drive wheel dimensions	mm (in)	260 x 85 (10.2 x 3.3)
Type of tyres/wheels	type	Solid - Puncture-proof
Maximum speed	km/h (m.p.h.)	6.4 (4)
Minimum braking distance from maximum speed	m (ft)	2.1 (6.9)
Range with standard battery option	km (miles)	Up to 35 (22.00)
The turn-around width	m (ft)	1.18 (3.87)
Turning radius	m (ft)	0.72 (2.36)
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°
Maximum user weight @ 6° uphill	kg (lbs)	136 (300)
Ground clearance	mm (in)	50 (2)
Maximum obstacle climbing ability	mm (in)	50 (2)
Maximum safe descendable kerb height	mm (in)	50 (2)
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 Powerchair 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.