Technical Specification - Rascal Rialto Powerchair

Wheelchair type	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 (38.6)
Maximum carrying capacity	Kg (lbs) ((stone))	136 (300) ((21.4))
Mass (weight) including 35Ah 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)
Battery Voltage & Capacity	Volts and Ampere-hours	12V / 35Ah x 2
Type of seat	RHAB01	Tension adjustable with Swivel. Configurable Width/Depth
Seat Width settings	mm (in)	460 to 510 (18.1 to 20.1)
Seat Depth settings	mm (in)	395, 420 & 455 (15.6, 16.5 & 17.9)
Seat Tilt Angle	Degrees	3, 6 & 9
Seat Back Angle	Degrees	95, 105 & 115 (90+5, +15 & +25)
Joystick Bracket	Type	Adjustable Swing-away
Type of tyres	Solid foam filled - puncture proof	
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)
Maximum speed	Km/h (m.p.h.)	6.4 (4)
Minimum braking distance at max. speed	m (ft)	2.1 (6.9)
Range* - Max User Weight	Km (miles)	21.7 (13.5)
Range* - 90kg User Weight	Km (miles)	24.0 (14.9)
Range* - 68kg User Weight	Km (miles)	25.1 (15.6))
Range* - 44kg User Weight	Km (miles)	26.3 (16.3)
Turn-around width	m (ft)	1.18 (3.87)
Turn-radius	m (ft)	0.72 (2.36)
Maximum safe slope	Degrees of slope	6° –Do not exceed powerchair may topple
Maximum climbing ability facing forward	Degrees of slope	6°
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 (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
*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.