Technical Specification - Rascal Rivco 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)	1100 (43.3.) x 700 (27.5) x 1190 (46.8)
Min. Dimensions- seat & footplate folded	length x width x height mm (in)	1100 (43.3) x 700 (27.5) x 700 (27.5)
Maximum carrying capacity	Kg (lbs) ((stone))	204 (450) ((32.1))
Mass (weight) including 55Ah batteries	Kg (lbs)	110 (242.5)
Mass (weight) of batteries	Kg (lbs)	2 x 17 (2 x 37.4)
Battery voltage and capacity	Volts and Ampere-hours	12V / 55Ah x 2
Seat	Type	Captain Seat Adjustable
Seat Width -18 / -20 / -22 options	mm (in)	470 (18.5) / 520 (20.5) / 560 (22)
Seat Depth -18 / -20 / -22 options	mm (in)	480 (18.9) / 495 (19.5) / 495 (19.5)
Joystick Bracket	Type	Adjustable Swing-Away (LH or RH fit)
Drive Wheel Tyre size	mm (in)	330 x 100 (13 x 4)
Castor Wheel Tyre Size	mm (in)	152.4 x 50 (6 x 2)
Type of wheels/ tyres	Drive / Castor	Alum-Pneumatic / Solid PU
Maximum speed	Km/h (m.p.h.)	6.4 (4)
Tyre Pressure – Drive Wheels	p.s.i. (bar)	35 (2)
Minimum braking distance at max. speed	m (ft)	1.2 (3.9)
Range*– 204kg (Max User Weight)	Km (miles)	25.8 (16.0)
Range**– 90kg User Weight	Km (miles)	28.7 (17.8)
Turn-around width	m (ft)	1.60 (5.2)
Turning Radius	m (ft)	0.87 (2.9)
Max. safe slope	Degrees of slope	6° -Do not exceed Powerchair may topple
Max. climbing ability	Degrees of slope	6°
Ground clearance	mm (in)	50 (2.0)
Max. obstacle climbing ability	mm (in)	50 (2.0)
Max. descendible kerb height	mm (in)	50 (2.0)
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
*Maximum Theoretical Range on full charge and flat ground at maximum user weight to ISO 7176-4:2008.
**Range figures derived from testing data based on battery specifications and drive system performance to an accuracy of + / - 10%.
Due to a policy of continual improvement, Electric Mobility Euro Ltd. reserves the right to change specifications without prior notice.