

Technical Specification - Rascal Luxe 27 Long Range

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)	1035 (40.7) x 495 (19.5) x 940 (37.0)
Dimensions seat back and tiller folded	length x width x height mm (in)	1035 (40.7) x 495 (19.5) x 710 (27.9)
Maximum carrying capacity	Kg (lbs) ((stone))	136 (300) ((21.4))
Mass (weight) without battery	Kg (lbs)	32.0 (70.5)
Mass (weight) including battery (27 Ah)	Kg (lbs)	38.7 (85.3)
Mass (weight) of heaviest part	Kg (lbs)	10.8 (23.8)
Mass (weight) of battery pack (27 Ah)	Kg (lbs)	6.7 (14.7)
Maximum shopping basket load	Kg (lbs)	4.5 (9.9)
Battery Voltage & Capacity (Long Range)	Volts and Ampere-hours	25.6V / 27 Ah LiFePO4 Advance Tech
Type of seat	Comfort Deluxe seat with folding backrest and adjustable armrests	
Mass (weight) of seat	Kg (lbs)	8.7 (19.2)
Wheel dimensions Front & Rear	mm (in)	200 (7.9) × 50 (2)
Type of tyres	Solid foam filled - puncture proof	
Maximum speed	Km/h (m.p.h.)	6.4 (4)
Minimum braking distance at max. speed	m (ft)	1.30 (4.3)
Range* - Max kg User Weight	Km (miles)	25.8.(16.0)
Range* - 90kg User Weight	Km (miles)	34.9 (21.7)
Turn-around width	m (ft)	1250 (4.1)
Maximum safe slope	Degrees of slope	6° -Do not exceed scooter may topple
Maximum climbing ability facing forward	Degrees of slope	6°
Ground clearance	mm (in)	45 (1.8)
Maximum obstacle climbing ability	mm (in)	50 (2)
Maximum safe descendable kerb height	mm (in)	50 (2)
Force to operate accelerator control	Newtons (lbf)	3.2 (0.72)
Force to operate freewheel lever	Newtons (lbf)	58.8 (13.2)
Ambient operating temperature range**	°C (°F)	2 (35.6) to 40 (104)

NOTE: This scooter 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.