

# Technical Specification - Rascal Vecta Sport Scooter

Wheelchair type Class	Class A, B or C	Class C
Department of Transport Class	Class 1 2 or 3	Class 3
Overall dimensions fully assembled	length x width x height mm (in)	1320 (52) x 600 (23.6) x 1160 (45.7)
Dimensions seat back and tiller folded	length x width x height mm (in)	1320 (52) x 600 (23.6) x 939 (37) – If bolt not removed then 1117 (44)
Maximum carrying capacity	kg (lb)	160 (355)
Lighting	Type	LED – front and rear
Mass (weight) including 50 Ah batteries	kg (lbs)	113 (249.9)
Mass (weight) of chassis (heaviest part) with 50 Ah batteries	kg (lbs)	95 (210.1)
Standard battery voltage and capacity	volts and ampere hours	12V / 50Ah x 2
Type of seat	Captain (enhanced) - swivel, head rest, reclining/folding back & arms with width adjustment and seat- slide function.	
Mass (weight) of swivel seat	kg (lbs)	18 (39.8)
Wheel diameter	mm (inch)	305 (12")
Tyre dimensions	front & rear	80 / 65-8
Type of tyres	type	Run-flat pneumatic – "Runon tyres" <sup>TM</sup>
Tyre Pressures normal	p.s.i. (bar)	35 (2.4)
Maximum speed	km/h (m.p.h.)	12.87 (8)
Minimum braking distance from maximum speed	m (ft)	2.2 (7.2)
Range*	km (miles)	Up to 44 (27.3)
The turn-around width	m (ft)	1.7 (5.5)
Turning diameter	m (ft)	3.47 (11.38)
The maximum safe slope	degrees of slope	10° - Do not exceed the scooter may topple
The maximum climbing ability facing upwards	degrees of slope	10°
Maximum user weight @ 10° uphill	kg (lbs)	160 (355)
Maximum user weight @ 10° downhill	kg (lbs)	160 (355)
Ground clearance	mm (in)	100 (4)
Maximum obstacle climbing ability	mm (in)	100 (4)
Maximum safe descendable kerb height	mm (in)	100 (4)
Force to operate Accelerator control	Newtons (lbs)	2 (0.45)
Force to operate Freewheel lever	Newtons (lbs)	45 (10.1)
Force to operate Emergency brake lever	Newtons (lbs)	60 (13.5)
Ambient operating temperature range	°C (°F)	2 (35.6) to 40 (104)
USB Accessory outlet	Voltage & max. current	5V dc / 3 Amps

This scooter meets the relevant requirements of ISO 7176:14 2008 \*Range on full charge and flat ground. Due to a policy of continual improvement, Electric Mobility Euro Ltd. reserves the right to change specifications without prior notice.