

# 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)                             |
| Range**– 44kg User Weight                | Km (miles)                      | 30.2 (18.8)                             |
| 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.