

|  |   |
|--|---|
| Overall length   | 1090–1280 mm (43"–50.5")                                  |
| Overall width <sup>1</sup>   | 610–800 mm (24"–31.5")                                    |
| Stowage length   | 820 mm (32")  |
| Stowage width  | 610–800 mm (24"–31.5")                                    |
| Stowage height   | 620–670 mm (24.5"–26.5")                                  |
| Weight including batteries (total mass)                                      | 143 kg (315 lb.)  |
| Mass of the heaviest part  | Backrest 2.7 kg (6 lb.)                                   |
| Static stability forwards  | 9° (most), 9° (least)                                     |
| Static stability backwards   | 9° (most), 9° (least)                                     |
| Static stability sideways  | 9° (most), 9° (least)                                     |
| Theoretical continuous driving range <sup>2</sup>                            | 29 km (18 mi)   |
| Theoretical manoeuvring distance range <sup>2</sup>                          | 11 km (7 mi)  |
| Dynamic stability backwards on ramp  | 10°   |
| Dynamic stability forwards on ramp   | 10°   |
| Dynamic stability sideways on ramp   | 10°   |
| Dynamic stability sideways while turning suddenly                            | Yes   |
| Dynamic stability backwards traversing step forwards                         | 60 mm (2.4")  |
| Dynamic stability backwards traversing step backwards                        | 60 mm (2.4")  |
| Dynamic stability forwards traversing forwards up a step                     | 60 mm (2.4")  |
| Dynamic stability forwards traversing forwards down a step                   | 60 mm (2.4")  |
| Travelling forwards at an oblique angle down a step                          | 60 mm (2.4")  |
| Maximum obstacle height that can be climbed and descended <sup>3</sup>       | 50 mm (2")  |
| Maximum speed (forwards on horizontal)                                       | 8 km/h (5 mph)  |
| Minimum braking distance from maximum speed (normal, reverse, and emergency) | 1.5 m (5 feet), 1.5 m (5 feet), 1.5 m (5 feet)            |
| Parking brakes, maximum slope backwards and forwards                         | 15°, 15°  |
| Seat plane angle   | 0°–50°  |
| Effective seat depth   | 370–570 mm by 25 mm increments (14"–22" by 1" increments) |
| Seat width   | 355–560 mm by 50 mm increments (14"–22" by 2" increments) |
| Seat to floor height including cushion (seat surface height at front edge)   | 470–520 mm by 25 mm increments (18"–20" by 1" increments) |
| Backrest angle   | 85°–110°  |
| Backrest height  | 455–740 mm by 25 mm increments (18"–29" by 1" increments) |
| Footrest to seat distance  | 230–455 mm (9"–18")                                       |
| Leg to seat surface angle  | 80°–150° depending on seat depth                          |
| Armrest to seat distance (armrest height)                                    | 200–290 mm (8"–11")                                       |
| Front armrest-to-backrest distance   | 0   |
| Minimum turning diameter   | 1340 mm (53")   |
| Pivot width  | 1340 mm (53")   |
| Ground clearance with user weight  | 80 mm (3")  |
| Required width of angled corridor  | 1210 mm (48")   |
| Required doorway entry depth   | 1520 mm (60")   |
| Required corridor width for side opening entering the corridor               | 1050 mm (41")   |

1. Based on the joystick module being in the forward position.

2. Actual driving range will vary based on driving conditions, battery conditions, and terrain.

3. The maximum obstacle height that can be climbed and descended is tested with maximum user weight.

The wheelchair conforms to the following standards:

- a. requirements and test methods for static, impact and fatigue strengths (ISO 7176-8:1998)
- b. power and control systems for electric wheelchairs – requirements and test methods (ISO 7176-14:2008)
- c. climatic test in accordance with ISO 7176-9:2009
- d. requirements for resistance to ignition in accordance with ISO 7176-16:2012
- e. requirements and test methods for electromagnetic compatibility of electrically powered wheelchairs and scooters, and battery chargers (ISO 7176-21:2009)
- f. batteries and chargers for powered wheelchairs (7176-25:2013).

The above standards comprise both sitting and stand-up position for the wheelchair when applicable.

| Wheels                           |                    |
|----------------------------------|--------------------|
| Tyre types for the drive wheels  | Air/Solid          |
| Drive wheel tyre dimensions      | 3.00–8"            |
| Tyre types for the castor wheels | Solid              |
| Castor wheel tyre dimensions     | 2.50–3" (180 x 65) |
| Recommended tyre pressure        | 250 kPa (35 psi)   |

| Batteries                        |                                      |
|----------------------------------|--------------------------------------|
| Battery type and nominal voltage | Sealed lead acid, 2 x 12 V, group 34 |
| Battery cycle life               | 450 cycles                           |
| Battery capacity (C20)           | 65 Ah                                |

| Miscellaneous  |   |
|--|---|
| Maximum user weight  | 136 kg (300 lb.)  |
| Mass of test dummy used in test <sup>1</sup>   | 136 kg (300 lb.)  |
| Occupant mass group  | III   |
| Overall height   | 980–1500 mm (38.5"–45.5")                                 |
| Armrest length   | 260, 330, 355 mm (10", 13", 14")                          |
| Seat to floor height without cushion   | 410–460 mm by 25 mm increments (16"–18" by 1" increments) |
| Wheelchair class   | B   |
| Wheelchair group   | Group 3   |
| Drive electronics  | R-net PM 120, VR2 70, VR2 90                              |
| Storage environmental specification  | –40°C to 65°C (–40°F to 149°F), IPX4                      |
| Operation environmental specification  | –25°C to 50°C (–13°F to 122°F), IPX4                      |
| Force necessary to operate joystick and key pad switches   | 2 N   |
| Maximum obstacle height that can be climbed and descended (approach distance 50 cm [20"]) <sup>2</sup> | 75 mm (3")  |
| Ability to climb rated slope   | 6°  |

1. The mass can vary depending on the test. For specific weight information, see the standard in question.
2. The maximum obstacle height that can be climbed and descended is tested with maximum user weight.

The specifications in this product data sheet are for the tested configuration. Please contact Permobil Customer Support for configuration options and details.