

Overall length	635 mm (25")
Overall width	490 mm (19")
Stowage length	635 mm (25")
Stowage width	490 mm (19")
Stowage height	725 mm (28")
Weight including batteries (total mass)	23.8 kg (52 lb.)
Mass of the heaviest part	Chassis 22.9 kg (50 lb.)
Static stability forwards	15.2° (most), 15.2° (least)
Static stability backwards	15.2° (most), 15.2° (least)
Static stability sideways	15.2° (most), 13.2° (least)
Theoretical continuous driving distance range ¹	5.5 km (3.4 mi)
Theoretical manoeuvring distance range ¹	2.1 km (1.3 mi)
Dynamic stability backwards on ramp	6°
Dynamic stability forwards on ramp	6°
Dynamic stability sideways on ramp	6°
Dynamic stability sideways while turning in a circle	Pass
Dynamic stability sideways while turning suddenly	Yes
Dynamic stability backwards traversing step forwards	12 mm (0.5")
Dynamic stability backwards traversing step backwards	50 mm (2")
Dynamic stability forwards traversing forwards up a step	25 mm (1")
Dynamic stability forwards traversing forwards down a step	75 mm (3")
Travelling forwards at an oblique angle down a step	75 mm (3")
Maximum obstacle height that can be climbed and descended ²	12.5 mm (0.5")
Maximum speed (forwards on horizontal)	2.3 km/h (1.5 mph)
Minimum braking distance from maximum speed (normal, reverse, and emergency)	0.3 m (1 feet), 0.3 m (1 feet), 0.3 m (1 feet)
Parking brakes, maximum slope backwards and forwards	15°, 12°
Seat plane angle	5°
Effective seat depth	165 mm (6.5")
Seat to floor height including cushion (seat surface height at front edge)	300–560 mm (12"–22")
Backrest angle	93°
Backrest height	360 mm (14")
Footrest to seat distance	150–390 mm (6"–15")
Armrest-to-seat distance (armrest height)	155–215 mm (6"–8")
Minimum turning diameter	960 mm (38")
Pivot width	715 mm (28")
Ground clearance with user weight	36 mm (1.4")
Required width of angled corridor	590 mm (23")
Required doorway entry depth	490 mm (19")
Required corridor width for side opening	500 mm (20")

- Actual driving range will vary based on driving conditions, battery conditions, and terrain.
- The maximum obstacle height that can be climbed and descended is tested with maximum user weight.

The wheelchair conforms to the following standards:

- requirements and test methods for static, impact and fatigue strengths (ISO 7176-8:1998)
- power and control systems for electric wheelchairs – requirements and test methods (ISO 7176-14:2008)
- climatic test in accordance with ISO 7176-9:2009
- requirements for resistance to ignition in accordance with ISO 7176-16:2012
- requirements and test methods for electromagnetic compatibility of electrically powered wheelchairs and scooters, and battery chargers (ISO 7176-21:2009)
- batteries and chargers for powered wheelchairs (ISO 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	Solid
Drive wheel tyre dimensions	150x50 mm
Tyre types for the castor wheels	Solid

Wheels	
Castor wheel tyre dimensions	75x30 mm
Recommended tyre pressure	N/A

Batteries	
Battery type and nominal voltage	AGM Lead acid, 2 x 12 V
Battery capacity (C20)	5 Ah

Miscellaneous	
Maximum user weight	16 kg (35 lb.)
Mass of test dummy used in test ¹	16 kg (35 lb.)
Occupant mass group	I
Overall height	722–920 mm (28"–36")
Backrest width	150 mm (6")
Wheelchair class	A
Drive electronics	nVR2 D51725, nVR2 D51571
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	1–2 N
Maximum obstacle height that can be climbed and descended (approach distance 50 cm [20"]) ²	25 mm (1")
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.