

Overall length	1260–1460 mm (50"–57.5")
Overall width <sup>1</sup>	715–790 mm (28"–31")
Stowage length	1260 mm (50")
Stowage width	715–790 mm (28"–31")
Stowage height	930 mm (37")
Weight including batteries (total mass)	203 kg (448 lb.)
Mass of the heaviest part	Backrest 15 kg (32 lb.)
Static stability forward	15° (most), 15° (least)
Static stability rearward	15° (most), 15° (least)
Static stability sideways	15° (most), 15° (least)
Theoretical continuous driving distance range <sup>2</sup>	40 km (25 mi.)
Theoretical maneuvering distance range <sup>2</sup>	8.4 km (5 mi.)
Dynamic stability rearward on ramp	10°
Dynamic stability forward on ramp	10°
Dynamic stability sideways on ramp	10°
Dynamic stability sideways while turning in a circle	3.5 m (11 ft.)
Dynamic stability sideways while turning suddenly	Yes
Dynamic stability rearward traversing step forward	110 mm (4.3")
Dynamic stability rearward traversing step rearward	110 mm (4.3")
Dynamic stability forward traversing forward up a step	110 mm (4.3")
Dynamic stability forward traversing forward down a step	110 mm (4.3")
Travelling forward at an oblique angle down a step	110 mm (4.3")
Maximum obstacle height that can be climbed and descended, reference operation <sup>3</sup>	75 mm (3")
Maximum speed (forward on horizontal)	15 km/h (9.3 mph)
Minimum braking distance from maximum speed (normal, reverse, and emergency)	2.8 m (9 ft.), 2.8 m (9 ft.), 2.8 m (9 ft.)
Parking brakes, maximum slope rearward and forward	15°, 15°
Seat plane angle	2°–17°
Effective seat depth	370–570 mm by 25 mm increments (14"–22" by 1" increments)
Seat width	420–570 mm by 50 mm increments (17"–23" by 2" increments)
Seat to floor height including cushion (seat surface height at front edge)	550–745 mm (22"–29")
Backrest angle	96°–126°
Backrest height	480–620 mm by 25 mm increments (19"–24" by 1" increments)
Footrest to seat distance	390–490 mm (15"–19")
Leg to seat surface angle <sup>4</sup>	20°–70°
Armrest to seat distance (armrest height)	180–260 mm (7"–10")
Front armrest-to-backrest distance	120–410 mm (5"–16")
Minimum turning diameter	3460 mm (11.6 ft.)
Reversing width	1920 mm (6.3 ft.)
Ground clearance with user weight	100 mm (4")
Required width of angled corridor	1060 mm (3.5 ft.)
Required doorway entry depth	2300 mm (7.5 ft.)
Required corridor width for side opening	2100 mm (6.9 ft.)

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.

4. Manual leg rest can only be chosen together with seat tilt. The leg rest is not compatible with seat rotation or footplate extension.

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 (ISO 7176-25:2013).

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

Wheels	
Tire types for the drive wheels	Air
Drive wheel tire dimensions	3.50-10"
Tire types for the caster wheels	Air
Caster tire dimensions	3.00-8"
Recommended tire pressure	250 kPa (35 psi)

Batteries	
Battery type and nominal voltage	Sealed lead acid, 2 x 12 V, group 31
Battery cycle life	300 cycles
Battery capacity (C20)	97 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	1020-1140 mm (40"-45")
Armrest length	260, 335, 410, 460 mm (10", 13", 16", 18")
Backrest height without cushion	470, 545-670 mm by 25 mm increments (18,5", 21,5"-26,5" by 1" increments)
Backrest width	360-510 mm by 50 mm increments (14"-20" by 2" increments)
Wheelchair class	C
Drive electronics	Safegate
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	2-8 N, 4.5 N
Maximum obstacle height that can be climbed and descended, driving forward <sup>2</sup>	110 mm (4.3")
Maximum obstacle height that can be climbed and descended (approach distance 50 cm [20"]) <sup>2</sup>	100 mm (4")
Ability to climb rated slope	10°

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.