

T09 ROBY MOBILE STAIRCLIMBERS



- ✓ USER FRIENDLY
- ✓ SAFE AND RELIABLE
- ✓ FAST DELIVERY

VIMEC
Easy moving



T09 ROBY

T09 Roby is the **mobile stairclimber** that delivers unbeatable comfort and safety. Roby gives wheelchair users the chance to overcome architectural barriers, whether indoors or outdoors, that obstruct mobility.

Designed and built to climb straight staircases and square or rectangular landings in total safety. The special track design achieves a high level of grip without leaving marks on the stairs or landings.



Self-standing steering bar and motor casing

Quality

The Roby is a market leader and a great choice for any distributor looking to supply their customers with avant-garde solutions.

T09 ROBY is available in 3 versions:

- Standard version



- A.R.P. (Small Wheels Housing version)



- P.P. (Version with Multifunction Platform).





Innovative

The Roby is powered by an irreversible electronically controlled geared motor (tratogetic).

This guarantees the following:

- A constant journey speed in every situation; whether travelling up or down, laden or unladen the speed will remain the same;
- **23 Floors of travel** from one battery charge;
- Safe and easy use for both passenger and operator.



Adjustable controls height & width.



Functional

The features available on the Roby are all aimed at improving the experience of the operators and passengers.

They ensure stability and fluid movement whilst travelling both up and down the stairs.

They also provide greater maneuverability when travelling on level.



Reliability

The total electronic management system reduces mechanical component wear and tear. This increases the product reliability and drastically reduces the chance of component failure.

This system also manages battery charge to ensure charging instructions are followed.

The system will not allow the battery charge to drop below a certain level. When the battery charge reaches its minimum level, the Roby will provide only enough power to reach the next available level surface.

This avoids total discharge, ensuring maximum performance and longevity of the battery.



Standard version



A.R.P.
(Small Wheels Housing version)



P.P.
(Version with Multifunction Platform)



Safety

The Roby includes a manual descent system in compliance with current European regulations. This system allows passengers to be securely transported either up or down stairs to safety.



Design and functionality

Roby's design is modern, pleasing and is made of totally recyclable materials.

Steering wheel in aluminium oval profile.

Control panel and casing in ABS.

Belts in non-slip rubber.

Headrest and grips in cleansable material.

The smooth lines with no sharp edges or corners can be cleaned in just a few minutes.



A) Emergency stop button

B) Activation key

C) Battery charge gauge

D) Gradient indicator

E) Start/stop button



Tool for manual operation



Double, electrical and mechanical lock, of the steering bar connection to the motor casing



Ergonomic

Roby is perfectly ergonomic.

For the operator:

- it can be dismantled in two manageable pieces; this makes the Roby easier to transport and store.
- minimum effort for loading the passenger
- easy floor transfer, thanks to auxiliary wheels that activate automatically
- attachments that can be adjusted in height and width, practical and safe, for hooking the wheelchair
- a control panel on the adjustable steering bar that includes a battery charge gauge, gradient indicator, emergency stop button, activation key.
- pedal safety devices (no effort required by the operator)
- silent movement
- manual descent system in case of on stair failure.

For the passenger:

- constant speed with no jerking movements
- easy and smooth wheelchair loading ensuring passenger comfort
- fluid, safe wheelchair unloading operation
- great stability during use.



Automatic wheels - always on - that automatically adjust to the gap/solid of the step and facilitate movement on a level surface



T09 ROBY Technical Data

	Standard	A.R.P. version Small Wheels Housing	P.P. version Multifunctional platform
Description	With this version it is possible to load most wheelchairs with 26-inch rear wheels (code ISO 12.21.06.039) seat width from 39 to 52 cm.	With steering bar specifically created for transporting all wheelchairs with small rear wheels 12-inches (code ISO 12.21.06.045) seat width from 39 to 52 cm.	Version with platform for transporting all those wheelchairs and strollers that, because of their characteristics, cannot be anchored to the two preceding versions.
Minimum depth of landing	970 mm with wheelchair with footrest and passenger on board	970 mm with wheelchair with footrest and passenger on board	1.100 mm
Color	Light Blue RAL 5015		
Weight	47 kg (37 kg mobile unit, 10 kg steering bar)		
Power supply	24 V, by means of 2 V-12 Ah batteries in series. 24 V-3 Ah built-in electronic battery charger, realized with switching technology directly powered by 230V. Socket for the power flex of battery charger on the body of the machine with relay for deactivation when the equipment is connected.		
Motorization	Irreversible reduction gearbox, self-braking, with axial transmission driven by brushless 24V-500w electronically controlled engine. The electronics permit a reduction of 80% in the pick-up current with linear battery power consumption that increases the machine's operating time and the duration of the batteries, additionally it always allows smooth and progressive starting from the first step of the ramp.		
Speed	5 m/1' upwards; 5 m/1' downwards (same speed when unloaded).		
Full load autonomy	23 actual floors of which 22 until the blinking on the GREEN led, located on the control panel, alerting the need for batteries recharge, and 1 floor until the shutdown of the equipment.		
Wheel belts	No-marking, high friction factor rubber, even on stairways with very rounded stairs, ensuring adherence without leaving any mark.		
Gradient	35° max; the gradient indicator is on the control panel.		
Load	130 kg		
Minimum stair width	720 mm		
Controls	Up/down controls on the steering bar; button on control unit, to load the wheel belt part of a vehicle.		
Handling	The stairclimber can be dismantled in 2 parts with a single move without effort; the power unit is provided with 2 handles; it can be carried in a car trunk.		
Use	Different versions available to suit every type of wheelchair.		
Safety	Irreversible reduction gearbox; electronic speed check ; delayed controls to avoid unintentional operations; steering bar fitted with mechanical clamping system on both sides and checked by safety switch; motion consented only when the mechanical (and electrical) clamping is properly fitted; safety belt and adjustable headrest. Safety fastening on wheelchairs, preventing accidental opening. Emergency STOP. Manual emergency operation that consists in a tool to insert in the square pin connected directly to the reduction gear and installed on the front of the driving unit to be able to raise and/or lower by hand if the machine stops on the stairs.		
Warning	The attendant must be duly instructed at the time of delivery by an accredited technician.		

The data given herein are indicative and not binding. Vimec reserves the right to make any changes that it may consider appropriate.

In conformity with European Directive 2004/108 EEC Electromagnetic Compatibility
In conformity with European Directive 2007/47 Medical Devices (manufacturer's certification)
Tested by Berlin Cert

VIMEC Range

Since 1982 Vimec designs, manufactures and installs customized solutions: home lifts and elevators, chairlifts and stairlifts, platform lifts and mobile stair climbers.

**More than 100.000 installations
all over the world.**



Guaranteed product

Vimec chairlifts are guaranteed up to 24 months from consignment date.

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