

A c c e s s i b i l i t y, a solution for every barrier



Mobile Stairclimbers

**T09 Roby**

**T10 Scalacombi**

# T09 Roby

**VIMEC**  
Easy moving

**T09 Roby: 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 stairways and square or rectangular landings in **total safety** and **with no risk of damaging them** thanks to the special tracks that guarantee good adherence without leaving marks.

Roby is certainly a market leader for all orthopaedics and resellers of sanitary articles that supply avant-garde products to their customers.

## Innovative

Roby is moved by an irreversible totally electronically controlled gear motor (Tratogetronic) that guarantees: **constant speed** in every situation, laden or empty, going both up and down stairs, **high autonomy, safety and tranquillity** of use for passenger and operator.



Self-standing steering bar and motor casing

## UPWARD AND DOWNWARD MOVEMENT GUARANTEED, EVEN UNDER EMERGENCY CONDITIONS

**Electronic management of the battery charger and level of charge means that it will never drop below 8-10%. If the user does not follow normal recharging procedures and reaches the minimum level, the aid blocks; after a couple of seconds press the movement push button again and the aid starts up again, whether going up or down, reaching the closest landing in order to unload the passenger safely, with minimum absorption.**

**This function avoids total battery discharge and allows recovery of full efficiency, drastically reducing their replacement.**

## Reliable, always

Total electronic management means greater safety and a drastic reduction of breakdowns, due to reduced mechanical wear and tear, with long lasting excellent performance in terms of safety and ease of use. Furthermore Roby has a **manual descent** system, whether going up or down, so that in case of an emergency on the staircase, the passenger can be securely carried to safety. This is in line with the European regulations for lifting equipment.

## Ergonomic and functional

The Roby stairclimber features are all aimed at satisfying the demands of the beneficiary and the operator. They assure movement stability and fluidity on the stairs, ease and ergonomics when moving on a level surface, availability, solidness and long autonomy.



Standard version



Small Wheels Housing version



Version with Multifunction Platform

## Design and functionality

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

Load bearing base in **aluminium** monofusion (unique)

Steering wheel in **aluminium** oval profile

Control panel and casing in ABS

Belts in antitrack rubber

Headrest and grips in cleansable material.

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

## Ergonomic

Roby is perfectly ergonomic.

*For the driver:*

It can be dismantled in two manageable pieces; its light weight and small size make it easy to move (self-standing steering wheel)

Minimum effort for seating 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

Control panel at the steering wheel height that includes a battery charge gauge, gradient indicator, emergency stop button, activation key.

Pedal safety devices (no effort required by the operator)

Silent movement

Discrete: when not used can be placed in a pantry or cupboard.

Manual up and down movements in case of accidental stopping on the stairs.

*For the person carried:*

constant speed with no jerking movements

wheelchair can be loaded without jolts

fluid, safe wheelchair unloading operation

great stability during work



Adjustable connection swivel, in height and width.

# Details



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



- A) Emergency stop push-button
- B) Activation key
- C) Battery charge gauge
- D) Gradient indicator
- E) Start/stop button

Control panel.



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

Tool for manual operation

## TECHNICAL SPECIFICATIONS – T09 ROBY

Colour	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 depth of landing	970 mm with wheelchair with footrest and passenger on board for standard and A.R.P. version; 1100 mm for P.P. version.		
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.		
Warning	The attendant must be duly instructed at the time of delivery by an accredited technician.		
Use	Adjustable to different types of wheelchairs using specifically designed accessories.		
3 Versions	<b>STANDARD</b>	<b>A.R.P. VERSION</b>	<b>P.P. VERSION</b>
	with this version it is possible to load most wheelchairs with 26-inch rear wheels (code ISO 12.21.06.039, 12.2106.60), from 300 mm. cod. ISO 12.21.06.045) seat width from 39 to 46 cm.	(small wheels housing): with steering bar specifically created for transporting all wheelchairs with small rear wheels or postural wheelchairs with tilting back	(multifunctional platform): version with platform for transporting all those wheelchairs and strollers that, because of their characteristics, cannot be anchored to the two preceding versions
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.		

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**  
EASY MOVE

# T10 Scalacombi

**VIMEC**  
Easy moving  
manufactured by



**T10 Scalacombi, the wheeled stairclimber**, practical and safe for those who find stairs difficult.

The T10 stairclimber model is an ideal aid for anyone with mobility difficulties, even partial or just temporary, who may have difficulty in climbing stairs.

Stairs can be safely manoeuvred with T10 and an operator.

## USE AND VERSATILITY

T10 is a wheeled stairclimber, ideal on **very narrow stairs** (up to 550 mm), **with small landings** (> 70 cm) and/or **winder tread (fan-shaped tread)** and can overcome **slopes up to 55°**. It can be easily and quickly dismantled and loaded into a car trunk.

## RELIABLE AND STURDY

Its safety and reliability mean that the operator can guide the aid with **no effort**, and the passenger can manoeuvre the stairs **comfortably**, both upwards and downwards.

The aid's patented transmission, with a softstep function, guarantees a gentle descent of each stair. The person being helped can calmly sit down on a comfortable padded seat, equipped with an adjustable footrest. The folding armrests aid seating and standing.

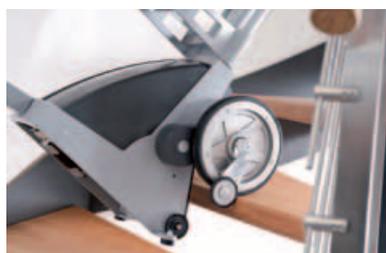




Electronic Immobiliser

## CONVENIENCE

T10 is certainly a market leader for all orthopaedics and resellers of sanitary articles that supply avant-garde products to their customers.



Mechanism for stopping at the step



Steering bar height adjustment

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

## Also available:



## TECHNICAL SPECIFICATIONS - T10

<b>Weight</b>	31 kg (of which 20 kg motor unit, 5 kg steering bar with backrest, 6 kg seat, armrests and footrests).
<b>Power supply</b>	24 V, using a 3.5 Ah battery. The battery charge can be checked on a luminous indicator. The battery charger is included.
<b>Speed</b>	12 steps per minute
<b>Autonomy</b>	200 steps (approx. 11 storeys)
<b>Maximum rise</b>	200 mm
<b>Minimum step</b>	140 mm
<b>Maximum gradient</b>	55° (over 100%)
<b>Load</b>	120 kg
<b>Minimum depth of landing</b>	800 mm
<b>Minimum stair width</b>	550 mm
<b>Controls</b>	Constant pressure type, placed on the steering bar
<b>Handling</b>	The stairclimber can be dismantled in 6 parts without effort; it can be carried in a car trunk.
<b>Warning</b>	The attendant must be duly instructed at the time of delivery by an accredited technician.
<b>Use</b>	Movements are made effortlessly; all it takes is to press a button to climb up and down; movement on a level surface is made faster with the auxiliary wheels. System for "smooth" starting and stopping.
<b>Safety and equipment</b>	Patented transmission; delayed commands; two mechanical, independent brakes; electronic key; battery charge gauge; battery charger; 2 expandable arms; footrest with depth adjustment.
<b>Optional</b>	Sub-abdominal safety belt; headrest.

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### **Guaranteed product**

The Vimec elevator is guaranteed for 24 months from the date of consignment.

### **PSP: at partners' service**

Partner Support Program: a Vimec exclusive for its partners, aiming to supply each of them, all over the world, with a series of personalised tools for developing their business and offering the end user a better and better service. This programme includes an introduction to the concepts of "accessibility", specific classroom training courses and training in the field for sales staff and engineers, analysis and assistance for the development of the most appropriate market strategies, and backup for the organisation of seminars (e.g. for architects, civil engineering firms, etc.) and for participation at trade fairs. Close co-operation with its partners guarantees Vimec constant improvement of its degree of knowledge of the various markets and thus of their varying needs in terms of accessibility, which translates into the design of suitable products. All oriented towards better management of customer relations, and the achievement of full customer satisfaction.