



# The Stairclimber People

Powered Stairclimbers for Social Inclusion, Access and Evacuation Solutions



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## Manual Handling Solutions

58, Paige Close, The Meadows, Watlington  
King's Lynn, Norfolk, PE33 0TQ

Tel: 01553 811977 Fax: 01553 811004 Mobile: 07768 506297

E-mail: [sales@manualhandlingsolutions.co.uk](mailto:sales@manualhandlingsolutions.co.uk)  
[www.manualhandlingsolutions.com](http://www.manualhandlingsolutions.com)

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s-max

**s-max - the stair climber for your wheelchair**

In your own wheelchair -  
safely and comfortably up and down stairs

- Move easily and quickly, up and down stairs in your own wheelchair.
- s-max fits virtually all commercial wheelchairs, even particularly narrow children's wheelchairs.
- The brackets especially developed modular concept makes a simple assembly possible.
- s-max is easy to handle because of the newly developed climbing system with little load alterations.
- The handle's solid connection to the climbing unit provides a secure feeling for stair climbing.
- The grips and control unit are constructed according to the newest ergonomic insights.
- The climbing speed can be specifically adjusted to the particular climbing situation at hand.
- The single step mode offers optimum ease in controlling the s-max to ensure safe as well as careful movement over all kinds of stairs.
- The s-max's thought-out safety concept includes brakes, which stop automatically at the edge of each step.
- Since the s-max works with merely one climbing leg, it is particularly compact and thus functional even on narrow stair cases or winding stairs.
- s-max is suitable for all floor coverings, be it wood, stone, marble, tiles or carpet. The exposed edges of stairs are not damaged.
- Durable and maintenance-free batteries provide energy for up to 300 steps.
- The electrical wires run inside protecting them from damage.
- Thanks to its compact measurements and its low weight s-max is your ideal partner in everyday life.



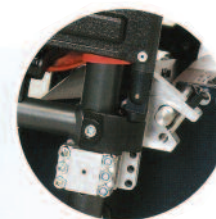
*s-max*



There is enough room even in the most compact cars: You can take the s-max with you anywhere making you mobile and active.



Consistent, safe, and reliable: The automatic safety brakes stop automatically at the edge of each step.



The s-max can be mounted on virtually all wheelchairs due to the brackets' modular concept. Individual modification of wheelchairs and special brackets are possible as well.

Easy and quick: The bracket for the s-max is affixed to the wheelchair once. After that the stair climbing aid can be attached to the wheelchair safely and sturdily by means of a quick pin. At this point you merely need to remove the wheelchair's (quick release axle) wheels and the system is ready to use.

**s-max - the powered stair climber for your wheelchair**

Advantages for your mobility



As for the quality of life, to be active and flexible is particularly important. This is especially true for children. That's why we build the s-max in such a way that it fits the compact children's wheelchairs as well. This is an advantage that hardly any other stair climbing aid offers.

Be it kindergarten, school, on the way to exercise class or music school, the s-max overcomes stairs easily, fits into the boot of your car and provides you and your child with an almost unrestricted mobility. This increases the quality of life tremendously because the s-max makes it easy to get around staying in touch with friends and family.

Overcome barriers, enjoy the freedom of being capable of conquering stairs any time and anywhere without problem. Thanks to the batteries' high capacity the s-max climbs up to 300 stairs. This means you can plan for longer excursions now. You may also recharge the batteries in your car using the appropriate charging cable and your car's battery.



Outdoors the s-max also provides the necessary mobility that children need for their development.



Ergonomic: The most important control elements are accessible without loosening your grip.

Thanks to its powerful batteries long stairways are no problem with the s-max.



Do not make your job dependent on steps, except in terms of stepping up the carrier ladder. s-max takes you to any work place that you wish. Enjoy this freedom again.

On the way to your place the s-max fits easily into your car's trunk. Mounted with a quick pin right at the place of your work, it remains on the wheelchair the entire day without hindering you or restricting your regular mobility. In case you need to overcome stairs, it is ready to use.

The batteries' high capacity of up to 300 steps is accessible to you during your regular work day.

Mobility at the work place: Narrow stair cases or even winding stairs are no longer an obstacle on your way to work. The s-max easily overcomes stairs of any kind, regardless of their coverings, be it highly polished marble or wooden stairs, or steps covered with other materials.



# s-max



No blocking obstacle: The s-max takes up very little space when it is not needed.



Quickly stowed: In a few movements the s-max plus wheelchair are folded and fit into any type of car boot.

## s-max - the powered stair climber for your wheelchair

Overcome barriers, at home, at school, in your spare time.

Stay active in your familiar environment. Do not go without habits that are dear to you. s-max helps you doing just that by conquering stairs easily.

The s-max works with just one climbing leg. This results in very compact measurements; thus it can be used even on narrow stairs. It furthermore fits even narrow wheelchairs. Handling is really easy and you need little physical strength.

The s-max's advantages result in the kind of independence that you may wish for as a wheelchair user. In addition, this is true not only at home but anywhere else as well because you can take the s-max with you wherever you go. It fits into the boot of any car.



The trick: Because the s-max functions with only one climbing leg, it can be built in such a compact way. Nevertheless, it stands solidly and steadily on the ground.



**Narrow track:**  
The s-max can be put to use on very narrow as well as winding stairs.



**Relief:** Handling the s-max calls for little physical strength. This means you can transport persons with the s-max that are distinctly heavier than yourself

Technical data	s-max
Max. lifting capacity	120kg / 160kg
Batteries	2 x 12V 3.3Ah
DC-motor	24V
Climbing speed	8-23 steps/minute (continually adjustable)
Capacity with one battery pack	up to 300 steps (depending on the person's weight)
Height of step	maximum 22cm
Weight of the climbing unit	14.5kg (without batteries)
Weight of the batteries	3.5kg
Weight of the handle	4kg
Total weight	22kg
Height	1200mm (total)
Handle, extractable up to	1650mm
Width of handle	520mm
Width of climbing unit	330mm
Depth of climbing unit	330mm

In the name of progress we reserve the right for technical changes.



**Standard accessories**

The battery pack and charger are included in the standard delivery package. The former can be charged attached to the s-max. However, if you like, you may also remove the battery pack at its grip and charge it separately.

**s-max - optional accessories**



**Universal rack SDM6**

With the universal rack SDM6 the s-max is compatible to virtually all commercial wheelchairs. This makes the s-max an ideal stair climbing aid for public institutions such as government offices, museums, or theaters etc. as well as for services transportation.

**Technical data:**

Weight: 7.5kg  
Suitable for wheelchairs whose seats are between 32 and approximately 60cm wide.



**Transportation chair U3**

For Persons who merely need help to climb stairs we offer the transportation chair U3. The brackets for the s-max are already installed which makes the mounting to the s-max quick easy and safe. The chair U3 is rather narrow and thus particularly suitable for narrow staircases and winding stairs.

**Technical data:**

Weight: 10.5kg  
Width: 49cm



**Attention:**

The s-max's maximum lifting capacity of 120kg (264.6lbs) is reduced by the weight of the accessories.



Anti-tilt support adjusted to the s-max's bracket.



Voltage converter - that way you can use the charger in the car as well.



Hip belt

**CE** CE marked. The s-max corresponds to the European guidelines 93/42/EWG for medical products.

**s-max - the powered stair climber for your wheelchair**

Remain mobile in your accustomed environment

c-max

c-max



### c-max, the universal stair climber

Safe and comfortable, upstairs and downstairs



The c-max is an aid that allows you to master stairs effortlessly. All kinds of floor coverings such as wood, stone, metal, carpet or PVC flooring can be driven on without problems.

More mobility and quality of life – c-max, the push wheel chair with stair climbing function allows you to overcome virtually all obstacles at home and on the road.

The care attendant needs little physical power to handle the c-max. The device can be operated effortlessly and safely. Physically disabled persons are transported safely and comfortably up and downstairs. You manage everyday situations without involving the assistance of a third person.

On stairs as well as on level ground c-max proves its versatility. Removable arm rests make easy shifting from one chair to another possible. Due to its compact dimensions and foldable foot rest, the c-max is easy to manoeuvre even on very narrow stair cases or winding stairs. For small, packed apartments with narrow doorways, the c-max represents the ideal solution.



#### Adaptable:

*Individually adjustable hand grips provide the optimum position for driving.*

*With little physical effort you are going to manage even narrow stairs.*

*Due to the puncture proof tyres c-max is also a comfortable push wheelchair on rough or sloping surfaces.*

For years this sturdy climbing system has proven itself thousandfold in daily use. The patented climbing system eliminates damage on stair edges and floor coverings.

*Consistent and reliable:  
Safety brakes stop automatically at each edge of stairs.*



*Versatile:  
With the c-max you easily manage everyday situations. Being a push wheelchair with stair climbing function makes the c-max the ideal device for e.g. health and driving services, the use in public places and buildings, and in nursing homes as well as in private residences.*

Individually adjustable hand grips make sure the attendant's driving position is ideal, which ensures careful and safe driving upstairs and downstairs. A thought-out safety concept provides maximum comfort in handling the device as well as in operating it on stairs.

The c-max's safety brakes stop automatically on the edge of each step. The additional single

step mode guarantees an even easier handling. The individually adjustable climbing speed enables you to adapt to respective situations while driving.

With one charge of the maintenance free batteries the c-max climbs up to 30 levels depending on the person's weight.



*Careful:  
Operating the c-max on all types of stair or floor coverings does not cause any damage whatsoever.*



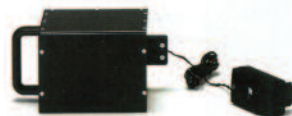
*Lightweight: In a few movements and practically effortless you disassemble the c-max and put it in the boot of your car.*

## c-max - more mobility in your daily life

Effortless and comfortable, upstairs and downstairs

Lightweight and compact: c-max is disassembled in a few quick and easy steps. Because the disassembled parts weigh little (maximum 17.2kg), they can be stored easily in any boot, c-max is your ideal partner which provides you with more mobility and quality of life on a daily basis. The cushions provide comfort and can be removed for cleaning.

The optional seat belt system and 12V charging cable for the car extend the many features of the c-max.



*The standard charger is suitable for currents between 90 V and 240 V. It does not let you down on trips practically anywhere.*



Technical data	c-max U1
Max. lifting capacity	120kg / 160kg
Batteries	2 x 12V 5Ah
DC-motor	24V
Climbing speed	8-23 steps/minute (continually adjustable)
Capacity with one battery charge	300-500 steps (depending on the person's weight)
Steps height	maximum 21cm
Weight	31.7kg 17.2kg - heaviest part disassembled
Height	1090mm
Width	485mm (total) 440mm (without arm rest)
Depth	915mm (total) 750mm (folded in foot rest)
Options available	12V/24V charging cable for the car, hip belt, seat belt system

In the name of progress we reserve the right for technical changes.

**CE** CE marked. The c-max corresponds to the European guidelines 93/42/EWG for medical products.

**c-max - safe and mobile**

Your compact partner anywhere you go

c-max

c-max U2



### the c-max U2

Safe and comfortable, upstairs and downstairs



- Safely and effectively transports patients up and down stairs in a dignified manner
- A standard and essential alternative to a carry chair – no physical lifting involved
- CEN approved securing devices available for vehicles, enabling transportation of passengers from A to B, minimising transfers, or storage of c-max U2 in vehicle in folded position
- Especially designed for use by ambulance services and community transport
- Seriously reduces the risk of manual handling injuries
- Weight capacity of 160kg
- Comprehensive certified training is provided within the cost of the powered stairclimber

The Integrated Transportation Safety System (ITSS) reduces client transfers. Taking the passenger in the c-max U2, up or down stairs, wheel them into the vehicle, and remaining in the stairclimber whilst in transit to the destination.

Integrated with NMI seating system, using the standard 4-point webbing system or RIPS system (Rear Impact Protection Seating system), which is a docking station for both wheelchairs and the c-max U2, ensures optimum safety whilst in transit.

The ITSS provides a cost effective route to regulatory compliance in terms of both Disability Discrimination and Health & Safety.

Please visit [www.nmisafety.com](http://www.nmisafety.com) for further details on the RIPS system.





The operator uses little physical effort to handle the c-max U2. The adjustable hand grips ensure an ergonomically efficient position.

With the unique braking system engaging automatically on the edge of each step, safety and confidence whilst in operation is ensured.

Although the c-max U2 has been designed for use for ambulance and community transport services, it has proven successful in other applications including:

- fire evacuation
- buildings where storage is an issue
- for individuals who have vehicles with tracking installed for use with 4-point webbing system.

The c-max U2 Powered Stairclimber, is used to safely and effectively transport passengers with reduced mobility up and down stairs.

An essential alternative to the carry chair: one person operates the stairclimber, with a passenger weighing up to 160kg (25 stone), without any physical lifting involved.

This dramatically reduces the risk of strain related injuries, creating a safer and more enjoyable experience for both staff and passenger. There are significant financial benefits due to substantial reductions in staff absenteeism.

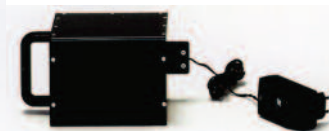
**On level ground and on stairs, the C-max U2 proves its versatility.**

Due to its compact dimensions, it is easy to manoeuvre in small areas and on very narrow or winding staircases. Works safely on all types of floor coverings including wood, stone, metal and carpet.



**Foldable and compact.**

The c-max U2 is easily erected within seconds and with adjustable width armrests, accommodates an array of passengers.



The mains battery charger comes as standard. A 12V or 24V in-vehicle charger is available, plus a battery docking station for storage of spare battery within the vehicle.



Technical data	C-max U2 Ambulance Product Code: 300346	C-max U2 Basic Product Code: 300346B
Maximum lift capacity	160kg	160kg
Climbing speed	8-23 steps/minute	8-23 steps/minute
capacity of battery	300-500 steps	300-500 steps
Maximum step height	225mm	210mm
Height of handles	Min: 1420mm Max: 1660mm	Min: 1050mm Max: 1420mm
Depth	850mm fully open 730mm footrest folded	850mm fully open 730mm footrest folded
Width	685mm total 450mm without armrest	685mm total 450mm without armrest
Total weight of stairclimber	35.7kg	35kg
Battery	2x12V/5Ah sealed lead acid	2x12V/5Ah sealed lead acid
Battery weight	4.5kg	4.5kg
Direct current motor	24V	24V
Accessories included	Lapbelt, 3-point harness, headrest, folding CD oxygen cylinder holder	Lapbelt Other accessories available

In the name of progress we reserve the right for technical changes.

**CE** CE marked. The c-max U2 corresponds to the European guidelines 93/42/EWG for medical products.

**c-max U2 - safe, compact and powerful**

Helping to serve the whole community

# Social Inclusion for Adults & Children

Helping to maximise mobility for the whole family

- Enables a fuller family life without extensive reconstruction & adaptations
- Ensures optimum social inclusion at home, school, holiday and out and about
- Safe & proven for carer & passenger alike
- Helps to overcome respite issues
- Assesment - *Free*
- Demo - *Free*
- Training - *Free*



www.manualhandlingsolutions.com



**Gill III Junior**  
Fully adjustable seating system

Kimba



Bingo



Tom Cross



AAT C-Max Stairclimber





**Gill III**  
Modular adjustable  
seating system



A tilting seat that grows with a child it can be placed on ~~three~~ **four** bases and on any horizontal surface

Parts included in the base model:

- Incorporated tilting system
- Tip up footrest
- Drum brakes
- Front wheel direction locks
- Breathing and fire-retardant upholstery



**ACCESSORIES**


- **The seat** can be placed on any flat horizontal surface
  - **Tilting system** (pict. 1) incorporated in the seat. In fact, sizes 1, 2 and 3 can be tilted from 0° to 25° and size 4 from 0° to 10°: the tilting mechanism was designed to help the assistant, who can adjust the tilt without effort and, simultaneously, give the seat the maximum stability
  - **Cushion** upholstered, ergonomic, removable and attachable to the seat with buttons, resistant to wear and washing, breathable and fire-retardant conforming to the UNI 9177 and EN 1021-1/2 standards. It was designed to allow the position of the thoracic supports to be changed and to add and remove accessories without affecting the child's comfort. It is available in **2 colours** (pict.3) and adapts to the growth of the frame.
  - **Backrest** rigid, slightly wrap-around and reclinable to 42° (the hinge coincides with the user's physiological fulcrum - pict 2.) and height-adjustable by 5cm, with slots for accessories
  - **Back and tilt adjustments** continuous and without jerks, with handle.
  - **Seat** width and depth adjustable by 5cm in each direction
  - **Headrest** incorporated into the backrest so that the child has always a support for his head, also when a headrest is not fixed.
  - **Trunk support** height and width-adjustable with vertical (on the back) and horizontal slots (on the brace)
  - **Legrest** adjustable inclination
  - **Footrest** height-adjustable. Tilting mechanism only for size 3 and 4
  - **Frame** in alluminium
  - **Wheels** Base 869: pneumatic front, with direction locks, 17cm (7") pneumatic rear, with shock absorber, 25cm (10") and independent parking drum brakes (it is available with solid tyres on demand)  
Base 901: pneumatic, swivelling front, with direction locks, 25cm (10") pneumatic rear, with shock absorbers, 31cm (12") independent parking drum brakes and hand brake with one single control (it is available with solid tyres on demand)  
Base 856: 10cm (4"), swivelling with brakes
  - **Push-handle** adjustable in tilt (external bases 869 and 901)(pict. 4)
  - **Reversible seat** (sizes 1, 2 and 3 base 869)
  - **Indoor adjustable base 856** adjustable in height from 40cm (15.7") to 80cm (31.5"). It is easy and safe to use, thanks to a mechanism with a gas spring and a pedal
- Every model is available in **4 sizes**. 901 base size 4 is available until stocks is exhausted



Full interface with Gill & Bug Systems to promote full & active participation with family & friends at home, school, work or out & about.

Technical data	s-max
Max. lifting capacity	120kg / 160kg
Batteries	2 x 12V 3.3Ah
DC-motor	24V
Climbing speed	8-23 steps/minute (continually adjustable)
Capacity with one battery pack	up to 300 steps (depending on the person's weight)
Height of step	maximum 22cm
Weight of the climbing unit	14.5kg (without batteries)
Weight of the batteries	3.5kg
Weight of the handle	4kg
Total weight	22kg
Height	1200mm (total)
Handle, extractable up to	1650mm
Width of handle	520mm
Width of climbing unit	330mm
Depth of climbing unit	330mm

In the name of progress we reserve the right for technical changes.



Fully transportable

## Full interface with Gill & Bug systems

More mobility and quality of life – c-max, the push wheel chair with stair climbing function allows you to overcome virtually all obstacles at home and on the road.

The care attendant needs little physical power to handle the c-max. The device can be operated effortlessly and safely. Physically disabled persons are transported safely and comfortably up and downstairs.

You manage everyday situations without involving the assistance of a third person.

On stairs as well as on level ground c-max proves its versatility.

Removable arm rests make easy shifting from one chair to another possible. Due to its compact dimensions and foldable foot rest, the c-max is easy to manoeuvre even on very narrow stair cases or winding stairs. For small, packed apartments with narrow doorways, the c-max represents the ideal solution.

The c-max is an aid that allows you to master stairs effortlessly. All kinds of floor coverings such as wood, stone, metal, carpet or PVC flooring can be driven on without problems.



Technical data	c-max U1
Max. lifting capacity	120kg / 160kg
Batteries	2 x 12V 5Ah
DC-motor	24V
Climbing speed	8-23 steps/minute (continually adjustable)
Capacity with one battery charge	300-500 steps (depending on the person's weight)
Steps height	maximum 21cm
Weight	31.7kg 17.2kg - heaviest part disassembled
Height	1090mm
Width	485mm (total) 440mm (without arm rest)
Depth	915mm (total) 750mm (folded in foot rest)
Options available	12V/24V charging cable for the car, hip belt, seat belt system



**Access Ramps** - Easy and efficient - the most flexible access solution

Ramp Systems offer a flexible and durable disabled access package, encompassing state of the art design, proven manufacturing skills and fast and efficient installation.

### Key Points

- Either bespoke or modular projects undertaken (full stock of standard items carried at all times)
- Compliant with DDA legislation
- Compliant with relevant Building Regulations
- Fast and efficient installation and excellent on-site service with minimum disruption
- All products available for viewing at our factory
- Experience in working with organisations of differing sizes
- Turn-key projects including:
  - full free site survey carried out by our engineers
  - detailed CAD drawings
  - accurate estimating and costing
  - manufacturing
  - preparation of groundworks by our trained site engineers
  - full installation and making good of site
  - removal, storage and re-site and reinstall service available
  - after sales service
- Established customer services programme
- Removal, storage and refurbishment available for councils, local authorities and multi-users

### Access Ramps - easy and efficient

Please call us to arrange your free no obligation site survey - 01553 811977



**AAT - MAJOR**

A mobile platform stair lift for all types of wheelchair including powerchairs. The unique stairmate-major effortlessly carries all types of wheel chair **INCLUDING POWER CHAIRS & SCOOTERS**, up or down staircases and steps in evacuation or access situations.



**AAT - WHEELCHAIR MATE**

• Economical when compared to stairway lifts and elevators • Can be used on various stairways within a building • Can be used when electrical power fails or is not available • Easily stores in a secure area when not in use • Requires minimal maintenance



**AAT - TRACKED - MATE**

A top of the range manual "Downstairs" evacuation chair, providing a comfortable safe transfer for both the occupant and controller. Suitable for use by only one controller the Carry Down is operated on belt system which only allows movement once the brake lever is actioned.



**AAT - C-MAX U1**

Lightweight and compact: c-max is disassembled in a few quick and easy steps. Because the disassembled parts weigh little (maximum 17.2kg), they can be stored easily in any boot, c-max is your ideal partner which provides you with more mobility and quality of life on a daily basis. Can cover both basic and flaired stairways.

**Checklist**

- ✓ FREE audit of stairways in your premises
- ✓ Report and recommendation
- ✓ FREE onsite demo of all relevant equipment
- ✓ Spiral & flaired stairways
- ✓ Narrow stairways
- ✓ Basement evacuation
- ✓ Transportability
- ✓ DDA Compliant
- ✓ Reasonable training costs, fully certificated including train the trainer
- ✓ Full UK wide support structure



**AAT - SMAX WITH UNIVERSAL RACK**

With the universal rack SDM6 the s-max is compatible to virtually all commercial wheelchairs. This makes the s-max an ideal stair climbing aid for public institutions such as government offices, museums, or theaters etc. as well as for services transportation.



**AAT - EVACUATION CHAIR**

• Easy instant deployment • Integral transit wheels (no kick stand to deploy) • Advanced belt guide system ensures smooth travel • Supportive seat for comfort and easy transfer • Safety brakes on rear wheels • Sturdy high capacity frames for sustained use.



**AAT - S-MAX U3**

The chair U3 is particularly suitable for narrow staircases and winding stairs upto 160kg. Aircraft version in service at most all major UK airports.



**AAT POWERED FOLDING EVACUATION CHAIR**

Due to its compact dimensions, it is easy to manoeuvre even on very narrow or winding staircases and is safe on all types of floor coverings including wood, stone, metal and carpet. Will carry 160kg (25g) Extensively used in the Ambulance Service.



**AAT - ELITE EVACUATION CHAIR**

- Comfort padded seat module
- Enhanced headrest with head band
- Extended foot rest with leg straps
- Comfort hand grips
- Upholstered arm rests

AAT s-max U3

The ultimate solution for narrow, spiral stairs, small landings and narrow aisles. Used extensively at airports to assist passengers with reduced mobility. This device has been designed to assist with passengers upto 160kg (25 stone) in the most demanding and challenging of stairway environments.



Technical data	s-max
Max. lifting capacity	120kg / 160kg
Batteries	2 x 12V 3.3Ah
DC-motor	24V
Climbing speed	8-23 steps/minute (continually adjustable)
Capacity with one battery pack	up to 300 steps (depending on the person's weight)
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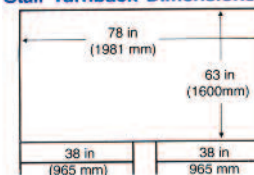
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## Features

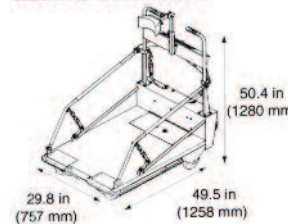
- Large platform will accommodate virtually any wheelchair, including electric and sports chairs.
- Integrated non-slip loading ramp
- Powerful dual motors carry up to 440lbs (200kgs)
- Rechargeable battery and charger
- Operates on indoor and outdoor stairways
- Wide, double tracks securely grip stairs
- Large wheels allow easy travel across landings between stair flights
- Integrated tie-down straps and seatbelt hold wheelchair securely on platform
- Adjustable headrest
- Simple, easy to use controls
- Robust commercial design



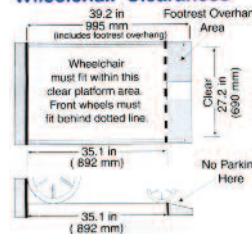
### Stair Turnback Dimensions



### Machine Dimensions



### Wheelchair Clearances



## Benefits

- Instant accessibility solution
- Economical compared to elevators and custom designed wheelchair lifts
- Requires no building renovations, no installation permits or licenses
- No permanent impact on stairway egress width
- A single unit provides access into many buildings
- Easily stored in a secure area when not in use
- Requires minimal maintenance compared to an elevator or wheelchair lift
- Great backup system for evacuation if power fails.

## Specifications

Max Capacity.....	440lbs / 200kgs
Max Stair Angle.....	35°
Power .....	Sealed Batteries 24 v
Charging.....	Automatic 115/230 vac
Brake.....	Fail-safe Electromagnetic
Weight .....	253lbs (115kgs)
Speed Up.....	21.4 ft (6.5m) / min
Speed Down.....	34.7 ft (10.6m) / min

AAT - Major

“The most versatile manual evacuation chair in its class”

The versa evacuation chair combines great features from the proven and popular EV136 with even more user benefits, and provides for upstairs as well as downstairs evacuation.

**Your Benefits**

- Easy instant deployment
- Integral transit wheels (no kick stand to deploy)
- Advances belt guide system ensures smooth travel
- Supportive seat for comfort and easy transfer
- Safety brakes on rear wheels
- Sturdy high capacity frame for sustained use

**Your Package includes...**

- Operation handbook
- Fitted Cover
- Wall mounting kit

**Key Product Information:**

Capacity: 150kg (24st)  
 Stair angle: 28-42°  
 Landing size: from 90 x 90cm (35 x 35in)  
 Dimensions stored (hwxwd): from 90 x 90cm (35 x 35in)  
 Weight: 12kg



www.manualhandlingsolutions.com

The stunning versa-elite evacuation chair embraces all that versa offers with even further consideration for the passenger and operator. An advanced product boasting additional comfort features.

**Your Benefits**

- All the benefits of the versa, plus:
- Comfort padded seat module
  - Enhanced headrest with head band
  - Extended foot rest with leg straps
  - Comfort hand grips
  - Upholstered arm rests

**Key Product Information:**

Capacity: 150kg (24st)  
 Stair angle: 28-42°  
 Landing size: from 90 x 90cm (35 x 35in)  
 Dimensions stored (hwxwd): from 107 x 54 x 21cm (42 x 21 x 8in)  
 Weight: 14kg

“A deliberate upgrade of the well equipped versa”

**Your Package includes...**

- Operation handbook
- Fitted Cover
- Wall mounting kit



Versa

Versa-elite



AAT Wheelchair Mate is an easy to use, portable wheelchair lift designed to attach under most manual wheelchairs.

AAT Wheelchair Mate's powerful motor allows a small attendant to safely transport a larger person up and down stairways. Stair-mate is suitable for indoor and outdoor use in public buildings and private homes. An affordable and reliable portable access solution.

**Features**

- Attaches to most standard wheelchairs with push handles (adult/child)
- Powered to carry 130kg (285lbs) up approximately 30 floors
- Use on virtually any indoor or outdoor stairway
- Stable and self supporting
- Durable tracks grip stairs securely
- Detachable support handle for compact storage and easy transport
- Quick-release safety belt
- Key switch restricts use to authorised persons
- rechargeable batteries and charger

**Benefit**

- Economical when compared to stairway lifts and elevators
- Can be used on various stairways within a building
- Can be used when electrical power fails or is not available
- Easily stores in a secure area when not in use
- Requires minimal maintenance



Capacity	110kg
Measurements	1295 x 411 x 986mm
Measurements Collapsed	1095 x 411 x 503mm
Weight	47kg
Speed	upstairs 6.0m/min downstairs 9.6m/min
Stair angle max	35°
Magnetic brake	'ON'
Battery	2x12v/24 amp
Battery capacity	180m upstairs
Accessories	
Battery charger	12v/10 - 30Ah

www.manualhandlingsolutions.com

**AAT - C-max U2 Basic - the Universal Powered Stairclimber**

C-max U2 Basic, the stairclimber wheelchair, has been designed to safely and effectively transfer people up and down stairs.

On level ground and on stairs, the C-max U2 Basic proves its versatility. Due to its compact dimensions, it is easy to manoeuvre even on very narrow or winding staircases and is safe on all types of floor coverings including wood, stone, metal and carpet.

The operator uses little physical effort to handle the C-max U2 Basic; together with adjustable hand grips this ensures an ergonomic operating position.

With the unique braking system engaging automatically on the edge of each step, variable speed control and the single step mode operation, the C-max U2 Basic creates a safe and controlled ascent or descent.

With one full charge of the maintenance free battery the C-max U2 Basic climbs up to 500 steps, depending on the passenger's weight.

Extensively in use in the Ambulance Service.



“Safe and comfortable, upstairs or downstairs”



Technical Data:	Type C121/U2
Special features:	Foldable
Max lift capacity:	160kg
Climbing speed:	8-23 steps/minute
Capacity with one Charge of battery:	300-500 steps depending on weight
Max. step height:	210mm
Height:	1420mm
Depth:	850mm fully open 730mm footrest folded
Width:	685mm total 450mm without armrest
Total Weight:	35 kg
Battery:	2 x 12V/5Ah Sealed Lead Acid
Battery weight:	4.4kg
Direct Current Motor:	24V
Accessories include	Lap Belt

# FIRE SAFETY RISK ASSESSMENT



## 1 Fire hazards

Fire starts when heat (source of ignition) comes into contact with fuel (anything that burns), and oxygen (air).

You need to keep sources of ignition and fuel apart.

### How could a fire start?

Think about heaters, lighting, naked flames, electrical equipment, hot processes such as welding or grinding, cigarettes, matches and anything else that gets very hot or causes sparks.

### What could burn?

Packaging, rubbish and furniture could all burn, just like the more obvious fuels such as petrol, paint, varnish, and white spirit. Also think about wood, paper, plastic, rubber and foam. Do the walls or ceilings have hardboard, chipboard, or polystyrene? Check outside, too.

- ▶ Follow the 5 key steps
- ▶ Fill in the checklist
- ▶ Assess your fire risk and plan fire safely

Have you found anything that could start a fire?  
*Make a note of it.*

\_\_\_\_\_

Have you found anything that could burn?  
*Make a note of it.*

\_\_\_\_\_

## 2 People at risk

### People at risk

Everyone is at risk if there is a fire. Think whether the risk is greater for some because of when or where they work, such as night staff, or because they're not familiar with the premises, such as visitors or customers.

Children, the elderly or disabled people are especially vulnerable.

### Have you identified?

- Who could be at risk?
- Who could be especially at risk?

*Make a note of what you have found.*

\_\_\_\_\_

## 3 Evaluate, and act

### Evaluate

First, think about what you have found in steps 1 and 2: what are the risks of a fire starting, and what are the risks to people in the building and nearby?

### Remove and reduce risk

How can you avoid accidental fires?

Could a source of heat or sparks fall, be knocked or pushed into something that would burn? Could that happen the other way round?

### Protect

Take action to protect your premises and people from fire.

- Have you assessed the risks of fire in your workplace?
- Have you assessed the risk to staff and visitors?
- Have you kept any source of fuel and heat/sparks apart?  
If someone wanted to start a fire deliberately, is there anything around they could use?
- Have you removed or secured any fuel an arsonist could use?
- Have you protected you premises from accidental fire or arson?

### How can you make sure everyone is safe in case of fire?

- Will you know there is a fire?
- Do you have a plan to warn others?
- Who will make sure everyone gets out?
- Who will call the fire service?
- Could you put out a small fire quickly and stop it spreading?

### How will everyone escape?

- Have you planned escape routes?
- Have you made sure people will be able to safely find their way out, even at night if necessary?
- Does all your safety equipment work?
- Will people know what to do and how to use the equipment?

*Make a note of what you have found*

\_\_\_\_\_

## Record, plan and train

### Record

Keep a record of any fire hazards and what you have done to reduce or remove them. If your premises are small, a record is a good idea.

If you have five or more staff or have a licence then you must keep a record of what you have found and what you have done.

### Plan

You must have a clear plan of how to prevent fire and how you will keep people safe in case of fire. If you share a building with others you need to coordinate your plan with them.

### Train

You need to make sure your staff know what to do in case of fire, and if necessary, are trained for their roles.

Have you made a record of what you have found, and action you have taken?

- Have you planned what everyone will do if there is a fire?
- Have you discussed the plan with all staff?

### Have you?

- Informed and trained people (practised a fire drill and recorded how it went)?
- Nominated staff to put in place your fire prevention measures, and trained them?
- Made sure everyone can fulfil their role?
- Informed temporary staff?
- Consulted others who share a building with you, and included them in your plan?

## Review

Keep your risk assessment under regular review. Over time, the risks may change.

If you identify significant changes in risk or make any significant changes to your plan, you must tell others who share the premises and where appropriate re-train staff.

### Have you?

- Informed and trained people (practised a fire drill and recorded how it went)?
- Nominated staff to put in place your fire prevention measures, and trained them?
- Made sure everyone can fulfil their role?
- Informed temporary staff?

## Completed the checklist? Do you need more information?

The checklist above can help you with the Fire Risk Assessment but you may need additional information especially if you have large or complex premises.

There are a series of guides for different business sectors. These guides will give you more information about how to carry out a Fire Risk Assessment, with specific advice for your type of premises. These guides are free to download at [www.communities.gov.uk/fire](http://www.communities.gov.uk/fire)

v-max

v-max



The pushing and braking aid v-max leaves ample legroom which makes walks a pleasure for both the wheelchair driver and his/her attendant even on rough terrain.

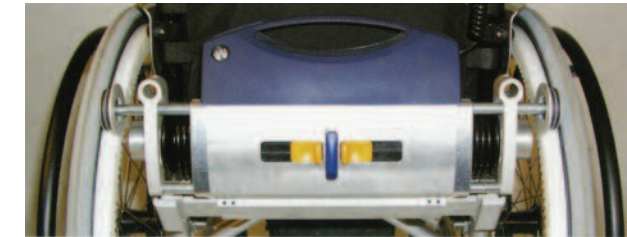


Great range due to a direct power transmission

Transform your manual wheelchair into a mobile one and enjoy your newly acquired freedom with the pushing and braking aid-max. This device helps to move a wheelchair on uneven terrain as well as driving on ramps or track thus increasing your range of activity considerably.

v-max can be mounted to virtually all wheelchairs with a seat width of 36cm. The device works on the back wheels of the wheelchair with a direct drive affording a permanent, efficient load transmission thus reaching a climbing capacity of up to 20%. The maximum total weight admitted (person, wheelchair plus device) is 200kg.

To operate the v-max you use ergonomically designed grips which make operation particularly easy. The speed can be continuously adjusted up to 6km / hour, backwards up to 3 km / hour. When going down a slope the v-max automatically brakes making you descent safe. The grips have another practical function, they support the v-max, if for some reason you do not need the device on you wheelchair and want to store it or set it on the floor.



The powerful battery pack has a maximum range of 25km depending on the weight of the wheelchair driver as well as the surfaces and the terrain. This means virtually limitless mobility for the wheelchair driver.

At the same time the v-max does not reduce the advantage of a manual wheelchair: its total weight of 17.4kg including the battery pack is extremely low: also, the legroom for the attendant remains because the v-max is mounted to the lower part of the back rest. You may, therefore, drive e.g. on divided ramps up to a 20% slope.

Transporting the v-max is equally easy and comfortable because the device is quickly disassembled and fits together with your wheelchair into almost any boot, even those of small cars.

**v-max - the effective pushing and braking aid**

Be more active and increase your radius and mobility

max-e

max-e



### max-e - the power kit for your wheelchair

Enjoy maximum mobility



Mobility is the most important factor for a high quality of life. To be independent and without the need for help increases your quality of life considerably. Therefore we developed the max-e – a power kit, that can be mounted to nearly all kinds of manual wheelchairs. max-e increases your radius of action based on the most advanced technology. It makes you independent and mobile in a comfortable and effortless way. max-e can easily and quickly be mounted to and dismantled from your wheelchair. The device is simple and easy to handle, making you independent at your work place, at home or outside in the street.

Two powerful electric motors make sure that you can master slopes as easily as even ground.

You operate max-e with a control unit whose driving and steering qualities can be programmed according to your individual needs or wishes.



Due to its low weight and compact measurements max-e can adapt to nearly any type of manual wheelchair. Since it is fitted to a wheelchair without changing its geometry, the chair's driving qualities remain the same.



Features an advantages of the max-e:

- a range of up to 15km
- continuously adjustable speed control up to 6 km/h
- easy, individually adjustable and wireless operation
- low weight and simple mounting and dismantling
- compact measurements
- can be applied to nearly all manual wheelchairs at a seat width of 28 cm and above
- compatible to the s-max, the stair climber for wheelchairs

C 141 Vario

c141 vario



A compact all-round solution for sophisticated tasks of transportation



- Lifting capacity: 140kg / 170kg
- Climbing speed: 8 – 30 steps / minute (adjustable)
- Capacity: 300-500 steps with one battery charge (depending on the load)

In the name of progress we reserve the right for technical changes.



*Agile: Narrow or winding stairs are for the most part no problem.*



*Outdoors: CargoMaster C141 Vario is also a reliable partner outside.*



*Variable: Due to the variable climbing speed of 8 up to 30 steps per minute, and the grips adjustable in height and angle, the C141 Vario can adapt to virtually any type of condition.*

The Cargo Master C141 Vario is a compact and flexible version of the C series. Like the CargoMaster C141, it carries up to 140kg and includes a fold-in toe plate that locks as a standard feature. In addition, the handles are adjustable in height and angle which makes the device adaptable to various tasks of transportation. It can further be stowed in a small space in the boot of the car.

The most impressive advantages of the CargoMaster C141 Vario:

- easy handling
- low weight of approximately 20.5kg (plus batteries)
- small size of 106x45x30cm
- adjustable grips in height and angle

→ 140kg/170kg

*Compact: With its handles that can be pushed into the frame and the thus comparatively small size of the CargoMaster C141 Vario, it finds room in even small vehicles.*



**The flexible climber**

A compact all-round solution for sophisticated tasks of transportation

## Flexible use



The Cargo Master equipped with the c-system can be used in a versatile and flexible way. Nearly any kind of goods can be transported with it. Extensive accessories solve even difficult problems of transportation. Customised versions of the CargoMaster are also available on demand.

## Ideal for narrow stair cases and winding stairs



CargoMaster effortlessly "walks" up stairs. Even narrow stair cases and winding stairs are with a little practice on your part no problem for the CargoMaster. The same is true for its use on all kinds of surfaces and floor coverings. The CargoMaster masters virtually any kind of stairs and soon pays off in daily use.

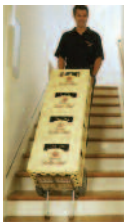
## Effortless, safe, and easy to handle



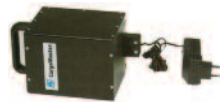
On level ground CargoMaster works like a regular hand trolley. The batteries necessary to climb stairs are charged with the charger that comes as part of the standard delivery package. In addition all devices can be charged in the car with a special charging cable (accessory). That way the CargoMaster is ready to use all day long. For extreme continuous use a second set of batteries is available.



*Add-ons: Extensive accessories for special tasks of transportation are available.*



*Universal use: CargoMaster can be used on narrow stair cases as well as on stairs with coverings otherwise easily damaged.*



*No problems: To charge your batteries you simply connect them to the charger.*



Technology		
lifting capacity	kg	140 / 170
climbing speed	(steps/min)	8-30
capacity with one battery charge	(steps, depending on load)	15-30
voltage	V	24
batteries	V/Ah	2 x 12 / 5
weight without batteries	kg	20.5
weight of batteries	kg	4.5
smallest size (h x w x d)	cm	106 x 45 x 30
handlebars (extendible to mm)	mm	1400

In the name of progress we reserve the right for technical changes.