

# AVIATION

BARRIER-FREE TRANSPORTATION OF PASSENGERS



Use innovative products on  
airports

Comfortable and safe transportation of passengers with reduced mobility

**AVIATION**

[www.aat-online.de](http://www.aat-online.de)



Ideen bewegen mehr



**Over 25 cm climbing height**



Compact dimensions – transportation direct to the seat.

## s-max aviation

The stair climber for professional application

With the s-max a passenger can be transported into an aircraft safely and comfortably for both them and the responsible ground staff.

It is not necessary to move the passenger into a special carrier chair, since the s-max's narrow seat width of 38 cm renders it possible to transport him or her through the aisle directly to the seat.

The device's climbing capacity mastering steps of more than 25 cm in height makes for effortless transportation on stairs of all current commercial aircraft types as well as smaller regional jets such as Avro RJ, ATR, CRJ, Dash 8, Dornier 328, Embraer and Fokker 50/70/100.

To transport persons with reduced mobility to their seats in an aircraft is often complicated. The aviation version of the s-max has been particularly designed for the close confines in an aircraft.

### Technical data

Total weight, approved	195 kg
Max. weight of the person	160 kg
Climbing speed (continually adjustable)	8 - 23 steps per minute
Range with one charge of the batteries an average load of 75 kg	equates 225 steps
Max. height of step	255 mm
Width handle   s-max with transportation chair	470   370 mm
Width s-max with transportation chair	860   985 mm
Height min.   max.	1100   1500 mm
Batteries	2 x 12 V / 3,3 Ah
Direct current motor	24 V / 275 W
Weight climbing unit	20,1 kg
Weight handle	2,9 kg
Weight transportation chair	11,4 kg
Weight battery pack	3,0 kg
Total weight	37,4 kg



## s-max sella aviation

The multi-functional stair climber

Particularly when it comes to small airplane types, it is very difficult and time-consuming to overcome stairs. High steps, narrow stairs or aisles, with the s-max sella aviation you overcome these barriers elegantly and without great physical effort.

The s-max sella aviation is the ideal solution for airplanes with integrated stairs, in which case you take the stair climber with you aboard.

It is foldable and can be taken apart, so that it can be easily stored in closed confines.

### Technical data

Total weight approved	200 kg
Max. weight of the person	160 kg
Climbing speed (continually adjustable)	8 - 23 steps per minute
Range with one charge of the batteries an average load of 75 kg	equates 225 steps
Max. height of step	255 mm
Batteries	2 x 12 V / 3,3 Ah
Direct current motor	24 V / 275 W
Weight climbing unit	21 kg
Weight handle incl. seat	14,8 kg
Weight battery pack	3,0 kg
Total weight	38,8 kg

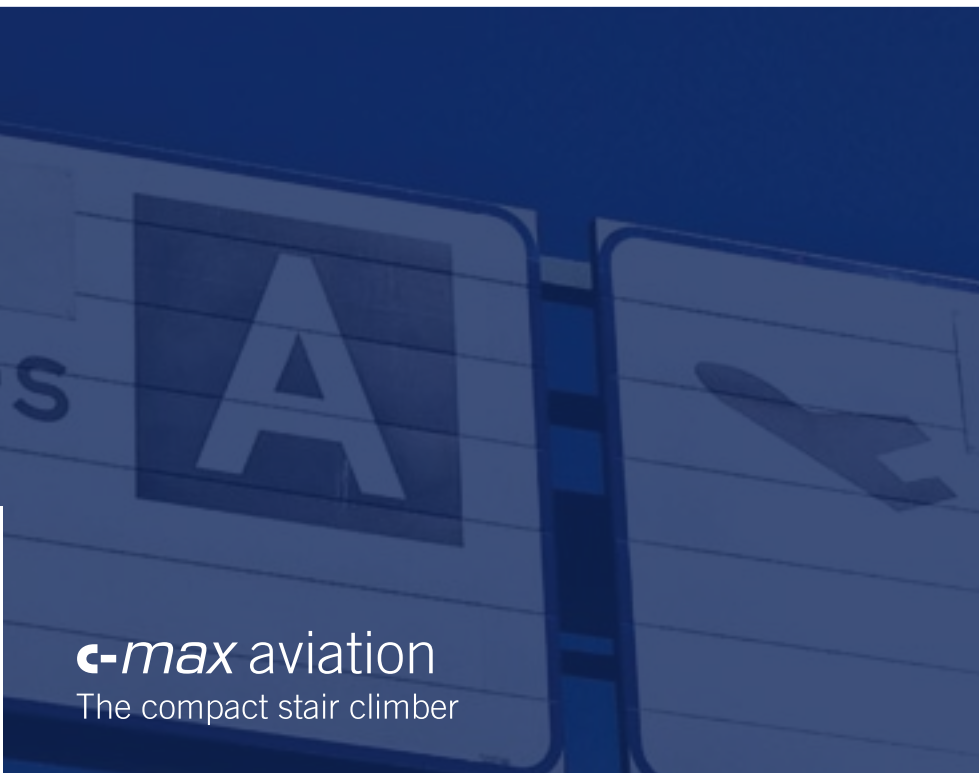
Terminal  
Departure

The AAT stair climbers are already in use on more than 100 international and regional Airports.



The s-max sella aviation is mainly used in private and business jets.





The c-max aviation is designed for professional use in big and medium-sized airplanes.

With a climbing height of 22.5 cm it can be used on all current gangways. Persons with reduced mobility can be transported safely and virtually without physical effort from the airfield to their seats in the airplane.

With the c-max aviation you can manage almost all types of stairs. Regardless of whether you are inside or outside, facing winding or straight stairs, the device climbs safely and comfortably.



Control unit and handles were designed according to the latest ergonomic findings.

#### Technical data

Total weight approved	195 kg
Max. weight of the person	160 kg
Climbing speed (continually adjustable)	8 - 23 steps per minute
Range with one charge of the batteries an average load of 75 kg	equates 375 steps
Max. height of step	225 mm
Width	430 mm
Depth	785 mm 670 mm (folded in foot rest)
Height with extended handles	1090 mm
Seat Width   Height   Depth	350 mm   500 mm   420 mm
Batteries	2 x 12 V / 3,3 Ah
Direct current motor	24 V / 275 W
Weight climbing unit	18,1 kg
Weight C part plus seat	5,5 kg
Weight back rest	4,5 kg
Weight battery pack	4,1 kg
Total weight	36,1 kg



# Gates / Portes

→ ✈ 101-157  
← ✈ 168-181, 500-550

## movilino

### The innovative pushing and braking aid

Pushing a wheelchair or bringing it to a halt is often a strenuous job for a person's attendant. Particularly pushing a wheelchair up and down an incline is exhausting and takes a lot of physical effort.

This is where the innovative pushing and braking aid movilino comes in relieving and supporting the attendant at the same time. It can be attached to virtually any type of wheelchair and it is easy to transport

due to its compact dimensions. Its user-friendly technology makes handling the movilino very easy and it provides the attendant with safety.

#### Technical data

Total weight, approved	170 kg <sup>(1)</sup> (person, wheelchair, movilino)
Mounting possible	at a seat width 32 cm
Speed forward   backward	Continually adjustable 6 km/h   3 km/h
Range with one charge of the battery	over 21 km <sup>(2)</sup>
Braking-/climbing capacity	up to 18 % <sup>(3)</sup>
Width handle	636 mm
Depth handle	233 mm
Width power unit	230 mm
Depth power unit	307,5 mm
Height min.   max.	926 mm   1128 mm
Batteries	2 x 12 V / 16 Ah
Weight battery pack	10,2 kg
Weight power unit	11,2 kg
Weight handle	2,4 kg



- (1) Please stay within the maximum load stipulated by the wheelchair manufacturer.
- (2) According to ISO 7176-4 the range depends among other things on the weight of the person to be transported, the surface, the terrain, the temperature, etc.
- (3) The braking – and climbing capacity depend among other things on the weight of the person to be transported, the surface, the terrain, the temperature, etc.



## Ground-breaking, due to innovative technology — our **AVIATION** products convince on all counts

At AAT it is our goal to offer you aids for more efficiency in your business operations by means of intelligent and state of the art technology.

Our expertise and knowledge based on long-standing experience in the development of climbing aids and powered systems for wheelchairs leads to an improved system which relieves your staff and facilitates the transportation of passengers with reduced mobility considerably.

- **easy handling**
- **compact dimensions**
- **individually applicable**
- **minimal physical effort**
- **variable speed**
- **reliable and low in maintenance**
- **useful accessories**

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**CE** All products concurs with the guidelines of the European Union 2007/47/EG and 2006/42/EG.

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



The company AAT Alber Antriebstechnik is a member of the QVH and has been awarded the quality stamp according to the inspection of quality standards for medical vehicles.

AAT is certified according to DIN EN ISO 9001:2008 and EN ISO 13485:2012 + AC:2012.



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