



Ideen bewegen mehr

Product Survey

Rehabilitation Technology

> **Transportation Technology**

Medical Technology



## Our Cargo Products

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**A142**



**A350**



**C141/171**



**C141/171 Vario**



**C400**



**Vario-max**

### **CargoMaster A142**

The stair climber for professionals

### **CargoMaster A350**

The specialist for heavy loads

### **CargoMaster C141/171**

The lightweight version

### **CargoMaster C141 Vario/171 Vario**

The versatile transportation aid

### **CargoMaster C400**

The powerful partner

### **Vario-max**

The all-round transportation aid

### **Accessories**

For every transportation problem

### **Information**

Climbing mechanism

A-SYSTEM

A142

A350

C141/C171

C-SYSTEM

C141 V / C171 V

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Trades

Vario-max

Accessories

Accessories

Information

Information

# A142

## Video



Climbing mechanism



Application



## Scope of delivery



Battery pack



Charger



Lashing straps

## Suitable for the transportation of loads



## Important data at one glance

Load capacity in kg	140
Climbing speed (steps/minute)	8-25
Capacity with one charge of the battery	30-50 (floors, depending on the load)
Total weight including batteries in kg	32
Height in mm	1120
Width in mm	580
Depth in mm	470



A142 online



## A142

### A savvy solution for professionals

The washing machine needs to go to the 5th floor? There is no elevator? No problem with the manoeuvrable CargoMaster A142.

Developed for household appliances, the A142 transports everything up to 140 kg up and down, even on narrow and winding stairs. The user can adjust the A142 perfectly to his needs because of the height-adjustable handles. This makes transporting loads comfortable and easy.

The CargoMaster not only helps transporting loads up- and downstairs, but also loading and unloading delivery vans.

### Advantages that convince:

- particularly suitable for the transportation of household appliances
- maintenance-free
- puncture-proof tyres

# CargoMaster

# A350

## Video



Climbing mechanism



Application



## Scope of delivery



Battery pack



Charger



Lashing straps

## Suitable for the transportation of loads



## Important data at one glance

Load capacity in kg	350
Climbing speed (steps/minute)	4-10
Capacity with one charge of the battery	15-30 (floors, depending on the load)
Total weight including batteries in kg	46
Height in mm	1130
Width in mm	590
Depth in mm	520



A350 online



## A350

### Your specialist for heavy loads

It easily transports loads up to 350 kg over stairs, the ideal transportation device for heavy stoves and boilers. With the adjustable toe plate you can manipulate the load's centre of gravity so that the load is distributed equally. Safety brakes stop automatically at every step's edge regardless of whether the stairs are made of wood, marble or metal.

The CargoMaster A350's continuously adjustable climbing speed helps you to adjust to each situation individually. In addition, the CargoMaster A350 is equipped with a single step mode to adapt to particularly difficult transportation problems climbing upstairs and downstairs.

### Advantages that convince

- Adjustment of the load's centre of gravity due to the adjustable toe plate
- Safe transportation of heavy loads up to 350 kg
- Continuously adjustable climbing speed

# CargoMaster

# C141/C171

## Video



Climbing mechanism



Application



## Scope of delivery



Battery pack



Charger



Lashing straps

## Suitable for the transportation of loads



or



## Important data at one glance

Device	C141	C171
Load capacity in kg	140	170
Climbing speed (steps/minute)	8-30	8-23
Capacity with one charge of the battery (floors, depending on the load)	15-30	10-25
Total weight including batteries in kg	26	27
Height in mm	1380	1380
Width in mm	450	450
Depth in mm	300	300



C141/171 online



## C141/C171

A clever solution for problems of transportation

The CargoMasters C141/C171 are particularly suitable in areas such as logistics and skilled crafts and trade when safe transportation as well as climbing speed and flexibility are called for.

The C141 with a load capacity of 140 kg and the C171 with a load capacity of 170 kg are available. Depending on the load the device manages up to 30 steps per minute. One battery charge is sufficient for 15 – 30 floors.

It's safe climbing mechanism even works on winding stairs and the device can be used on almost any type of surface.

## Advantages that convince

- Applicable on almost all types of stairs
- Versatile, fast and manoeuvrable
- Puncture-proof tyres

CargoMaster

# C141 V / C171 V

## Video



Climbing mechanism



Application



## Scope of delivery



Battery pack



Charger



Lashing straps

## Suitable for the transportation of loads



or



## Important data at one glance

Device	C141 Vario	C171 Vario
Load capacity in kg	140	170
Climbing speed (steps/minute)	8-30	8-23
Capacity with one charge of the battery (floors, depending on the load)	15-30	10-25
Total weight including batteries in kg	26,5	27,5
Height in mm	1060-1400	1060-1400
Width in mm	450	450
Depth in mm	300	300



C141V / C171V online



## C141 V / C171 V

### Powerful and versatile

In addition to all the advantages of the C-series, the Vario version even has adjustable handles in height and inclination. Therefore this variable model can be adjusted to the user's height and the respective load's centre of gravity can also be manipulated.

With completely inserted handles the C141 Vario (C171) has a pack size of merely 106x45x30 cm, thus fitting into any car without problem.

With the CargoMaster the climbing speed can be adjusted continuously. The safety brakes stop automatically at each step's edge.

### Advantages that convince

- No damage on stairs or loads
- Fits into any boot
- Safety brakes stop automatically at each step's edge

CargoMaster

# C400

## Video



Climbing mechanism



Application



## Scope of delivery



Battery pack



Charger



Lashing straps

## Suitable for the transportation of loads



## Important data at one glance

Load capacity in kg	400
Climbing speed (steps/minute)	3-8
Capacity with one charge of the battery (floors, depending on the load)	8-15
Batteries	2 x 12 V / 5,0 Ah
Maximum lift height in mm	700
Maximum lowering depth in mm	210
Total empty weight including batteries in kg	84



C400 online



## C400

Effortless transportation even of extremely heavy loads

The CargoMaster C400 was designed for particularly heavy loads. With the C400 one person alone can transport loads up to 400 kg upstairs and downstairs as well as on level ground thus being your reliable partner.

The load's centre of gravity can be optimally adjusted due to the electrically adaptable load fork; therefore, going upstairs and downstairs as well as driving on level ground is made easy. Even loading and unloading vehicles proves effortless with the help of the integrated lift.

## Advantages that convince

- Considerable relief for your staff
- Electrically adjustable load fork to adjust the load's centre of gravity
- Integrated lift to load and unload

CargoMaster

# Vario-max

## Video



Climbing mechanism



Application



## Scope of delivery



Battery pack



Charger



Lashing straps

## Suitable for the transportation of



■ Loads



■ Passengers

## Important data at one glance

Maximum lifting capacity of a load	170 kg
Maximum lifting capacity of a person	160 kg
Climbing speed (step/minute)	8-23 continuously adjustable
Capacity with one charge of the battery	10-25 (floors, depending on the load)
Batteries	2 x 12 V / 5 Ah
Maximum height of step	21 cm   22,5 cm extended
Total empty weight with batteries	35 kg



Vario-max online



## Vario-max

Problems of transportation solved quickly and efficiently

This versatile transportation aid can be used as a stair climber for people up to 160 kg, and for loads up to 170 kg.

Without tools and in next to no time the integrated seat can be removed and the Vario-max for people becomes a stair climber to transport loads.

The included seatbelt system, automatic safety brakes, and a single step mode grant a high degree of safety and user-friendliness. In addition, the Vario-max can also be used as a push wheelchair.

## Advantages that convince

- Can also be used as a push wheelchair
- High manoeuvrability, even on very narrow stairs
- Single step mode

Vario-max



## Accessories for the A-System



**Battery pack**  
Extra batteries allowing for continuous operation.



**Support bow**  
To transport tall loads.



**Charging cable for the car**  
Available for 12V and 24V.



**Back wall**  
For the protection of goods to avoid scratching.



**Support for round goods**  
With a diameter of approx. 150 to 800 mm.



**Portable stairs**

## only A142



**Platform**  
For the horizontal transportation of goods.



**Special toe plates**  
Toe plates of 25cm and 40 cm are in stock; special sizes are available on demand.

## only A350



**Vertical lift (manual)**  
To lift or lower a load up to 350 kg.



**Special toe plates**  
The A350's blade is adjustable in height. Special designs are available on request.



**Special fork**  
To transport copy machines.



**Wheel for transportation**  
Makes the transportation on level ground easy.

## Accessories for C141/171 and C141V/C171V



**Battery pack/Mega battery pack**  
Extra battery pack for continuous use or a battery pack with a greater capacity.



**Pneumatic tires**  
Pneumatic tires are available as an option.



**Charging cable for the car**  
Available for 12V and 24V.



**Toe-plate variety**  
Special designs are available on request.



**Portable stairs**



**Wheel for transportation**  
Makes the transportation on level ground easy.



**Support for round goods**  
With a diameter of approx. 150 to 800 mm.



**Back wall**  
Made of steel and covered in felt to keep the transported goods from falling through the frame and to protect them from scratches.

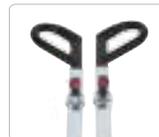


**Vertical lift (manual)**  
To lift or lower a load up to 100 kg.



**Support for washers and dryers**  
Support plate plus lashing strap for an extension of 500 to 630 mm to transport wide goods.

## Accessories for the C400



**Adjustable, foldable grips**



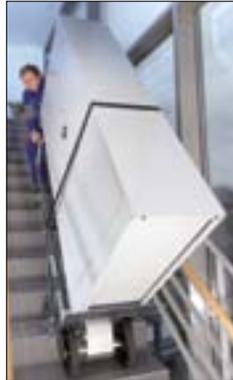
**Charging cable for the car**



**Portable stairs for heavy loads**

-> Further accessories on request

# Accessories

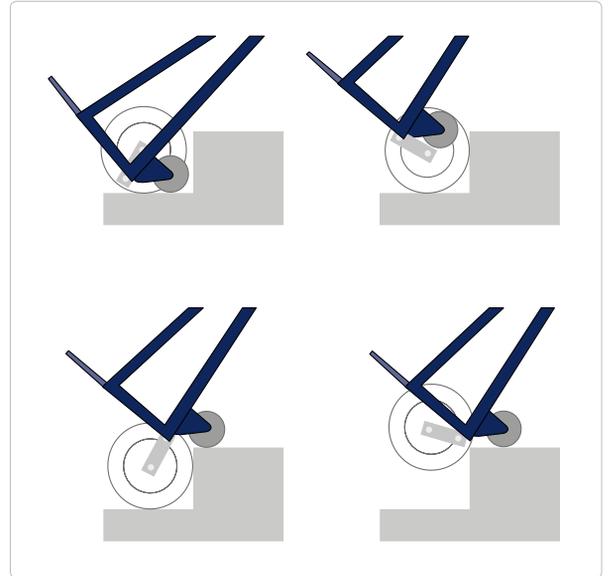


With intelligent accessories the CargoMaster can be adjusted to each individual problem of transportation.

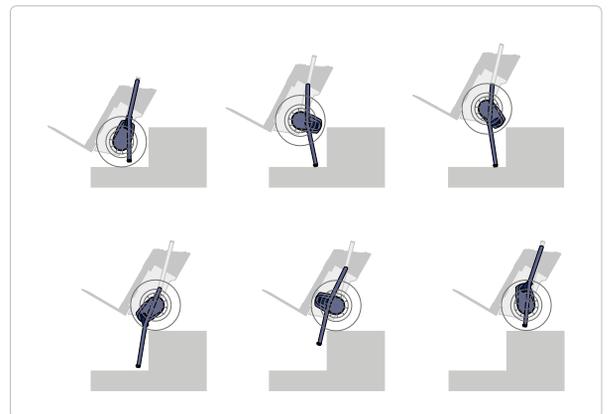
## Climbing mechanism

The reliable climbing mechanism safely manages each step. It even conquers winding stairs and can be used on almost all types of surface. Steps' edges are not damaged.

### A-System



### C-System



## Climbing mechanism

# CargoMaster Series — the stair climber for professionals

At AAT we design intelligent technology supporting and relieving you concerning problems of transportation.

Our knowledge and skill we derive from long experience which we invest into the development of innovative power systems and climbing aids.

The company AAT Alber Antriebstechnik is certified according to DIN EN ISO 9001:2008.

**CE** CargoMaster System coincides with  
the European Guidelines 2006/42/ EG.

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

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