

# Stair Climber

Stair climber with a capacity of **295KG** is ideal for moving loads on and off vehicles and up and down stairs.



Code 70461

## EQUIPMENT CARE

**Never push the equipment beyond its design limits.** If it will not do what you want with reasonable ease and speed, assume you have the wrong equipment for the job. Contact HSS Hire for advice.

**Keep the equipment clean** - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

**When not in use, store the equipment somewhere clean, dry and secure.**

## FINISHING OFF

**Fully lower the climber.**

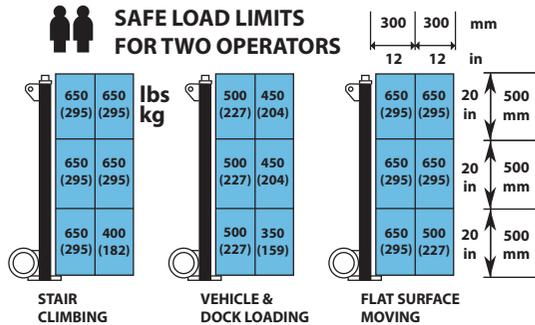
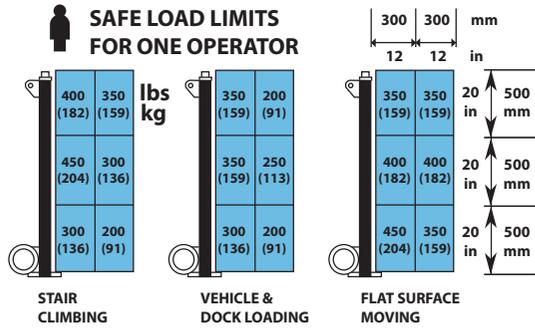
**Give the equipment a final clean ready for return to HSS Hire.**

## LOADING INSTRUCTIONS

After establishing the weight of your load and its centre of gravity, refer to the load drawings to determine:

1. That the capacity of the climber is adequate for the intended application.
2. Whether one or two operators are required.

**IMPORTANT: Load ratings are calculated for trained, proficient, experienced operators and should be used as a general guide only.**



## SPECIFICATIONS

Maximum capacity (kg)	295
Maximum height deck/dock (mm)	840
Overall width x depth x height (mm)	610x420x1520
Weight (kg)	45
Toe Plate (mm)	610x100
Wheels 200mm dia rubber	Solid
Felted strap bar including 3m strap	1
Load hold clutch	Yes
One way wheel brakes	Optional extra
Gel filled leak proof battery	12v - 20amp
Electronic charger	220 1 240v - 4amp
Truck construction	Aluminium



### ... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so. Training is available at HSS Training 0845 766 7799

### ...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: [safety@hss.com](mailto:safety@hss.com)

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## GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by a competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire.

 Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Make sure you know how to operate this equipment safely and are aware of its limitations before you use it. It is the operator's responsibility to perform a risk

## WARNING

This equipment MUST NOT be used to lift personnel.

assessment before using this equipment. You are also responsible for the safety of any person in the work area.

Make sure that anyone in the immediate work area is warned of what you are doing.

 Ensure the load is balanced, stable and that personnel stand clear of the raised load.

When climbing stairs, always keep wheels at the back of stair tread.

When climbing stairs, always keep heel of machine backed at least 25mm (2") from the nose of the stair.

Ensure that the ballnut is properly adjusted.

Never unstrap the load with the wheels up.

Keep both hands on the handles when operating.

Do not compress top or bottom red bumper under load.

Use the equipment only on a hard, level surface (such as concrete), capable of supporting its load.

Check the condition of the equipment before use.

If it shows signs of damage or excessive wear, return it to HSS Hire.

## ELECTRICAL SAFETY

The HSS PowerMate Stair Climber is powered by 240V battery charger.

If an extension lead is used for the charger, it should be fully unwound and loosely coiled, away from the equipment. Never run leads through water, over sharp edges or where they could trip someone.

Charging in very damp or wet conditions can be dangerous.

If the equipment fails, or if the charger's power supply cable or plug gets damaged, return it. Never try to repair it yourself.

Keep cables out of harm's way, and clear of the work area.

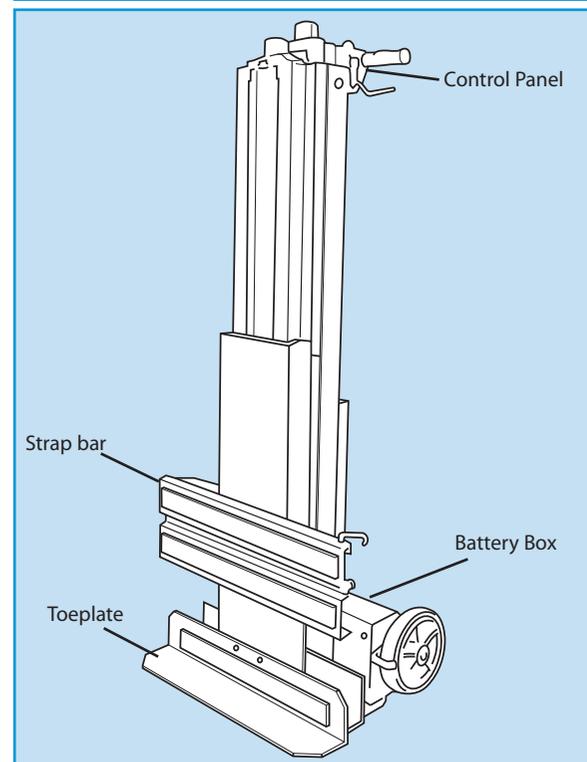
Always when unplugging pull the plug, not the supply.

 To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device) available from HSS Hire.

### CHARGING THE BATTERY

The battery can be recharged using the inbuilt charger, this plugs into a standard 240V mains outlet. Do not discharge battery completely. Try to keep them fully charged.

## IDENTIFIER



## GETTING STARTED

The HSS PowerMate Stair Climber is designed to move heavy and awkward loads on and off vehicles and up and down steps and stairs with maximum speed, safety and efficiency.

Never use the HSS Power Mate Stair Climber until you have fully read and understood this User Guide and the machine has been properly set up using the information it contains.

Before doing any work inspect the load, check it is stable and plan your work thoroughly.

We recommend to all new operators to practice moving light load. i.e. 250lb (113kg) with a medium centre of gravity before progressing to moving heavy loads.

## BASIC TECHNIQUES

This equipment is designed to take advantage of balance and leverage principles. Work performed will be easier and safer when the load is maintained in a well balanced position. Operator should determine the balance point of unfamiliar loads prior to moving them.

We recommend to all new operators to practice moving light load. i.e. 250lb (113kg) with a medium centre of gravity before progressing to moving heavy loads.

### LOADING AND UNLOADING FROM A VEHICLE

To load on to a vehicle position the climber (Fig 1) close to the tailgate at the rear of the vehicle, allowing room for the wheels of unit to clear vehicle upon raising.

Push "Load Down" button and raise wheels until they rest on the vehicle as shown in (Fig 2). Push "Load Up" button and raise the toeplate/load to the vehicle floor as shown in (Fig 3).

The climber can now be positioned anywhere on the truck bed.

To unload from a vehicle, locate the climber (Fig 3) with the wheels just far enough away from the end of the tailgate/vehicle bed to allow the frame to clear as it is lowered as shown in (Fig 2).

Push "Load Down" button and lower the toeplate/load to the ground as shown in (Fig 2).

Push "Load Up" button and lower the wheels to the ground as shown in (Fig 1). The load and the climber can now be manoeuvred as required.

### TAKING A LOAD UPSTAIRS

Manoeuvre the climber backwards to the first step (Fig 4), just near enough to allow the wheels to clear the edge of the treads when raised as shown in (Fig 5).

Pivot the climber on the heel of the toeplate as shown in (Fig 5).

Push "Load Down" to raise the wheels to rest on step 2.

Raise the toeplate off the ground, pivoting on the wheels of the climber.

Push "Load Up" button, raising the climber frame and load and resting the frame on step 1 as shown in (Fig 6).

Pivot the unit on the load frame so that the wheels are clear of the steps and push the "Load Down" button to raise the wheels to step as shown in (Fig 7).

Repeat procedures 3 and 4 until reaching the top of the stairs.

### TAKING A LOAD DOWN STAIRS

Position the climber at the top of the stairs with the load frame overhanging and clear of the steps.

Push the "Load Down" button to lower the load frame and load, and rest it on step 2 (Fig 8).

Pivot the climber on the load frame and push the "Load Up" button which will lower the wheels to step 3 (Fig 9).

Pivot the climber on its wheels to lift the load frame clear of the steps and push the (Load Down) button to lower the load frame to rest on step 1.

Repeat procedures 2 and 3 until reaching the bottom of the stairs.

