

MOBILE ARTICULATING VACUUM

MAV LIFT



MATERIAL HANDLING SERIES

The **MAVLIFT** Story

The MAVLift™ is engineered and built in Germany by the KS Schulten Company. In the door and window industry since 1976, KS Schulten has been credited to have pioneered the precision mobile robot market. Because of their focus on precision engineering, solid construction, and high quality parts, the KS Schulten name has become synonymous with satisfied customers.

Imported and distributed in North America by Smiley Lifting Solutions, the MAVLift is supported by a company with over 30 years of customer service experience. With over nine locations and logistical experience offering rentals and sales across North America, Smiley Lifting Solutions has friendly and knowledgeable staff to make sure you get the right product for your job, every time.





PORTABLE 4000

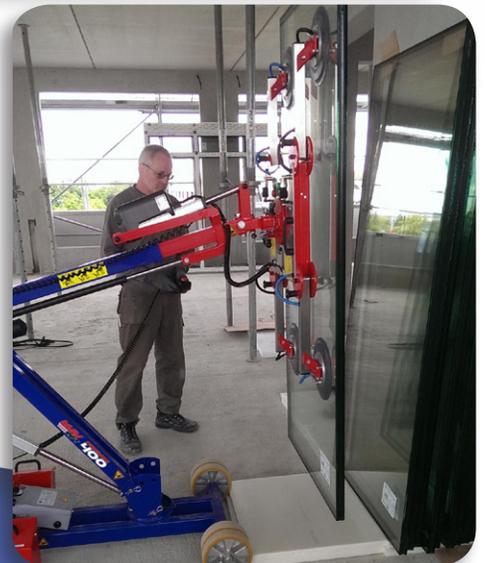
Max Load
400 lbs



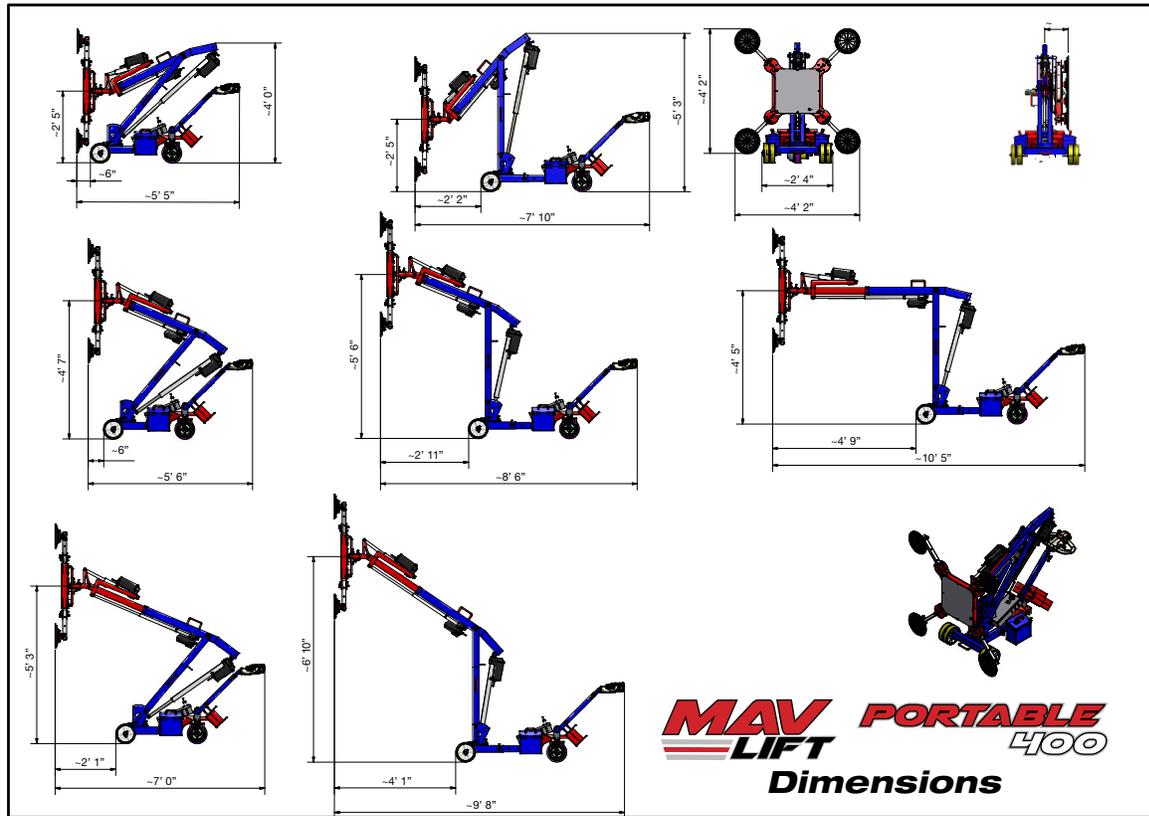
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With the MAVLift Portable 400 you are able to count on high-quality components, long-lasting and stable materials. Thanks to the electric self-driving impulse motor, loads can be handled by one person. The machine is compact, easily assembled in minutes, and can easily be carried to and from the site by hand.

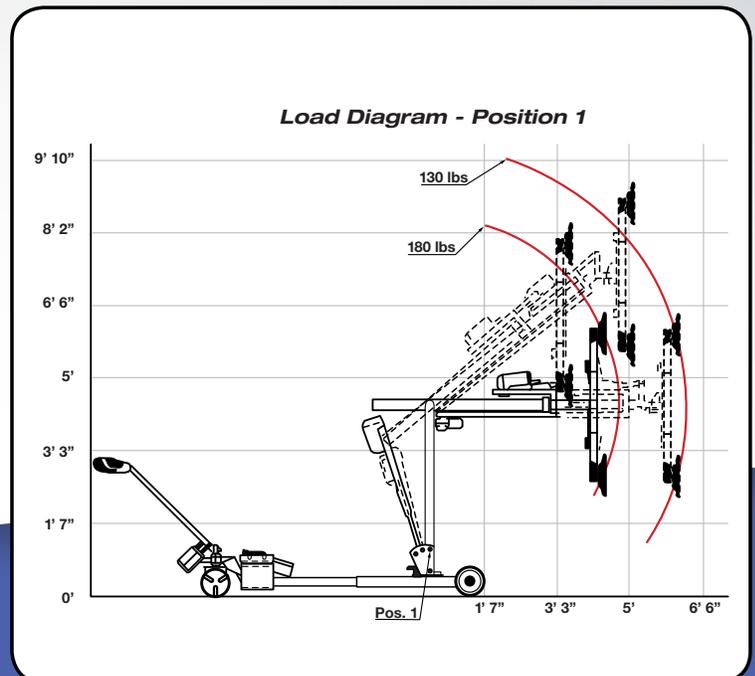
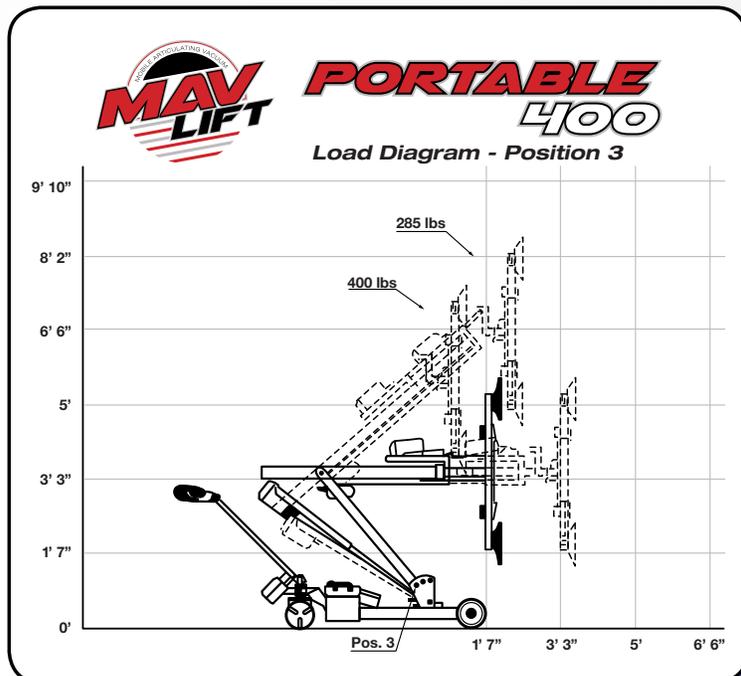
The wired remote can control the features of the vacuum cups, along with the telescoping lifting arm.



Dimensions



Rated Load Chart





PORTABLE 400

Technical Data

Max Load Capacity	400 lbs
Machine Weight (Without Counterweights)	460 lbs
Machine Weight (With removable Counterweights installed)	507 lbs
Maximum Permitted Slope	10°
Powered Lateral Sideshift	4"
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	2 Vacuum Pumps 4 Cups

Specifications

Safety Features

- Overload Switch
- Stop Switch
- Vacuum Lost/Overloading Indicator

Standard Features

- Lifting Unit Electrically Turns in All Directions and Telescopes to the Front
- Synchronous Controls- automatically keeps a constant inclination angle of vacuum unit
- Quick Assembly and Disassembly
- Adjustable Suction Frame
- Wired Remote Control
- Suitable for Overhead Lifting
- 4" Lateral Sideshift (left and right)
- 180° Suction Unit Rotation (manual left and right)
- 90° Slew of Vacuum Unit (left and right)
- Designed to fit in a standard elevator
- Two Independent Vacuum Circuits with Two Pumps and Two Vacuum Reserve Tanks
- Robotic Arm Powered by Electric Actuators for Precision Control
- Operates on Two 12v DC Rechargeable Batteries or While Plugged into Standard Outlet



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ELEVATOR VERTICAL M500

Max Load
551 lbs

Vertical
Working Height
24' 7"



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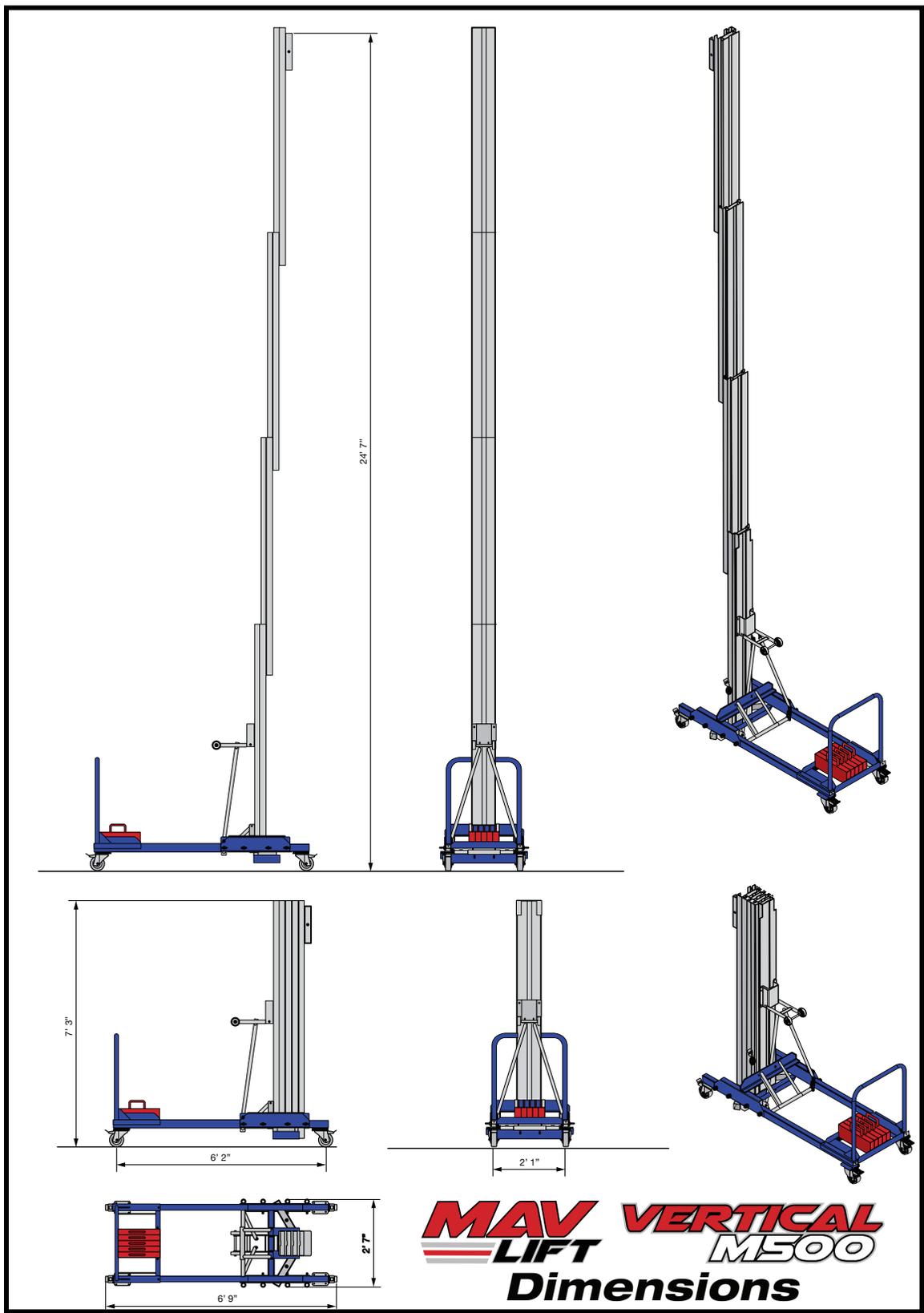
Never has setting glass or moving materials to a higher floor been easier. Utilize a MAVLift™ Elevator Vertical M500 Lift to lift materials or hang glazing cups as high as 24.5 feet.

The mast can be raised or lowered using the attached hand crank. For easy transport, the unit is easily compacted and re-assembled at the jobsite quickly.

Generally used with a hook and vacuum system attached, the MAVLift Elevator Vertical M500 can also be equipped with a load fork for lifting jobsite materials.



Dimensions



MAV VERTICAL
LIFT M500
Dimensions



ELEVATOR VERTICAL M500

Specifications

Technical Data

Max Load Capacity	551 lbs
Machine Weight (Without Counterweights)	495 lbs
Machine Weight (With removable Counterweights installed)	735 lbs
Vertical Working Height	24' 7"

Standard Features

- Suitable for Overhead Lifting
- Designed to fit in a standard elevator
- Operates manually - No power needed

Accessories

- Load Forks - Utilize your MAVLift for material handling
- Hook Adapter - Remove the cup system and add a lifting hook to your MAVLift



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ELEVATOR ROBOT

Max Load
551 lbs



Vertical
Working Height
24' 7"



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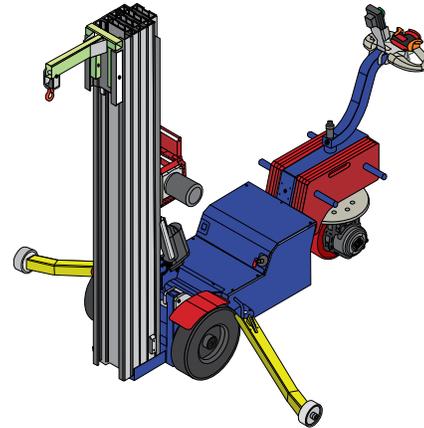
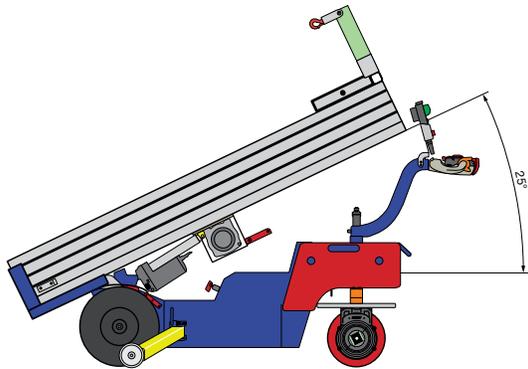
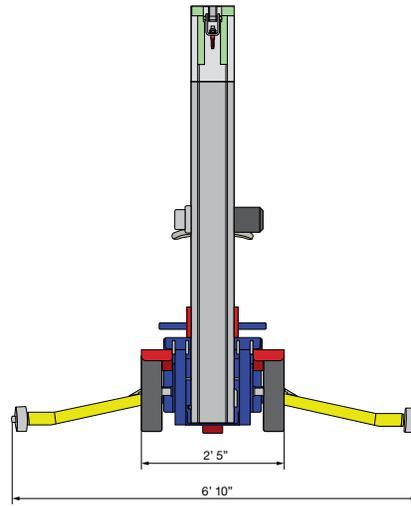
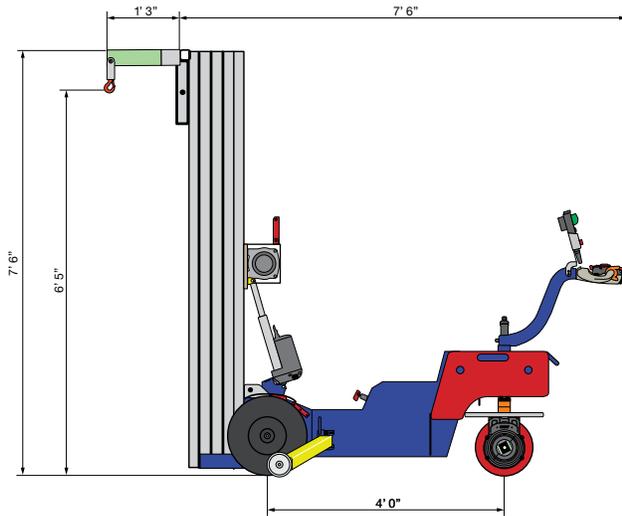
Never has setting glass or moving materials to a higher floor been easier. Utilize a MAVLift™ Elevator Robot Lift to lift materials or hang glazing cups as high as 24.5 feet.

For those professionals looking for more automation, consider the MAVLift Elevator Robot. With many of the same features seen in the Indoor and Off-Road robots, the Elevator Robot offers precision controls. The lifting mast is unique because in addition to operating up and down, the mast tilts forward and backward. In addition, MAVLift Elevator Robot offers sideward movements to the right and left for precision control during delicate glass sets.

Generally used with a hook and vacuum system attached, the MAVLift Elevator Robot can also be equipped with a load fork for lifting jobsite materials.



Dimensions



MAV ELEVATOR
LIFT ROBOT

Dimensions



ELEVATOR ROBOT

Specifications

Technical Data

Max Load Capacity	551 lbs
Machine Weight (Without Counterweights)	723 lbs
Machine Weight (With removable Counterweights installed)	1446 lbs
Vertical Working Height	24' 7"
Maximum Permitted Slope	16°
Powered Lateral Sideshift	4"
Power Requirements	Battery: 110v/240v Charger

Standard Features

- Synchronous Controls- automatically keeps a constant inclination angle of vacuum unit
- Wired Remote Control
- Suitable for Overhead Lifting
- 4" Lateral Sideshift (left and right)
- Designed to fit in a standard elevator
- Operates on Two 12v DC Rechargeable Batteries or While Plugged into Standard Outlet

Accessories

- Load Forks - Utilize your MAVLift for material handling
- Hook Adapter - Remove the cup system and add a lifting hook to your MAVLift
- Forklift Platform - Utilize your MAVLift as an extension of your forklift
- LED Light - LED with magnetic socket powered by the MAVLift's battery pack
- Loading Ramps - Two 8' x 3' load ramps for easy loading into a transport vehicle or trailer (2200 lbs max capacity)

Safety Features

- Overload Switch
- Stop Switch



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BIGFOOT M1000

Max Load
1000 lbs



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Excellent for transporting glass or other materials around a job-site, the MAVLift™ BigFoot M1000 stands alone with functionality and ease of use. With solid large rubber wheels the MAVLift BigFoot M1000 can be used on rough terrain. For ease of transport, it features removable counterweights and easily folds down taking up little space.

For those looking for an economical option, the BigFoot M1000 allows operators to utilize the hand jack to raise loads while offering 5 arm extension settings.



BIGFOOT M1000

Specifications

Technical Data

Max Load Capacity	1000 lbs
Counterweights	13
Machine Weight (Without Counterweights)	353 lbs
Machine Weight (With removable Counterweights installed)	983 lbs
Vertical Working Height	8'

Lifting Capacities

- Position 1 - 1000 lbs
- Position 2 - 880 lbs
- Position 3 - 726 lbs
- Position 4 - 617 lbs

Standard Features

- Solid Rubber Tires for easy mobility over rough terrain
- Compact Design folds easily for transport
- Fits through a standard door opening
- Small Turning Radius
- 4 Arm Extension Settings
- Hand Jack for raising loads



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BIGFOOT M1000 HYDRAULIC

Max Load
1000 lbs



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Excellent for transporting glass or other materials around a job-site, the MAVLift™ BigFoot M1000 Hydraulic stands alone with functionality and ease of use. With solid large rubber wheels the MAVLift BigFoot M1000 Hydraulic can be used on rough terrain. For ease of transport, it features removable counterweights and easily folds down taking up little space.

For those looking for greater flexibility, the BigFoot M1000 Hydraulic offers lifting, lowering, extend, and retract controls utilizing a wired remote.

BIGFOOT M1000 HYDRAULIC Specifications



Technical Data

Max Load Capacity	1000 lbs
Counterweights	23
Machine Weight (Without Counterweights)	430 lbs
Machine Weight (With removable Counterweights installed)	1061 lbs
Vertical Working Height	8'
Power Requirements	Battery: 110v/240v Charger

Load Capacities

MAVLIFT BIGFOOT M1000 HYDRAULIC		
Load Capacities		
Pos.	Outreach	Capacity
1	24.17 in [A]	1,000 lbs
2	28.89 in [B]	859 lbs
3	33.63 in [C]	728 lbs
4	38.34 in [D]	617 lbs
5	-	-

Standard Features

- Hydraulic motor allows for Lifting, Lowering, Arm Extension and Retraction
- Solid Rubber Tires for easy mobility over rough terrain
- Compact Design folds easily for transport
- Fits through a standard door opening
- Small Turning Radius
- 4 Arm Extension Settings
- Wired Remote Control

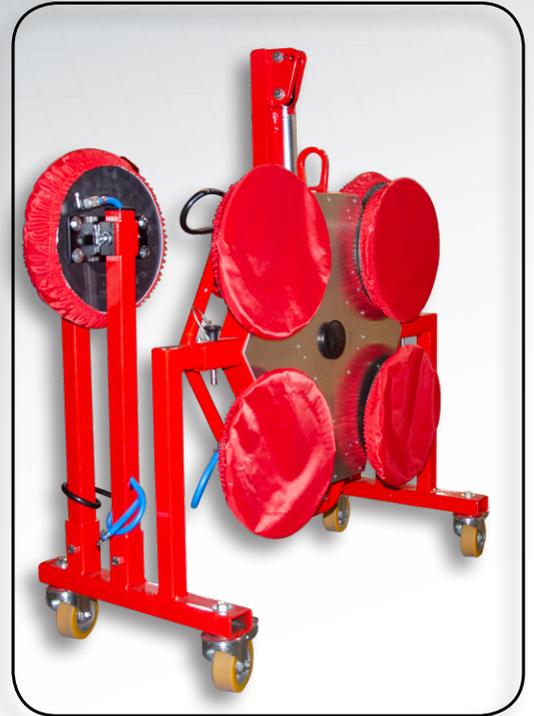
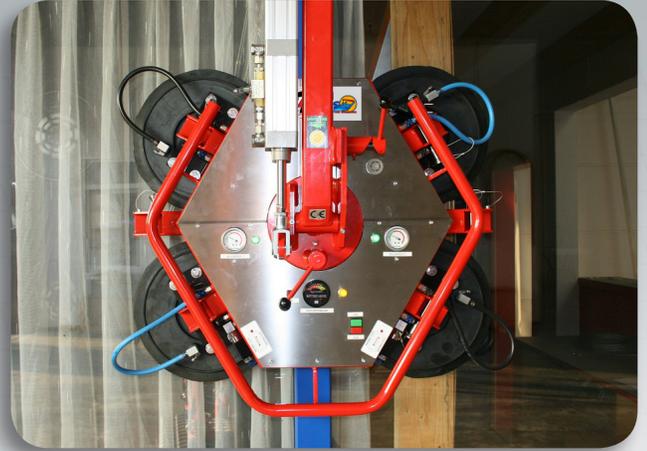
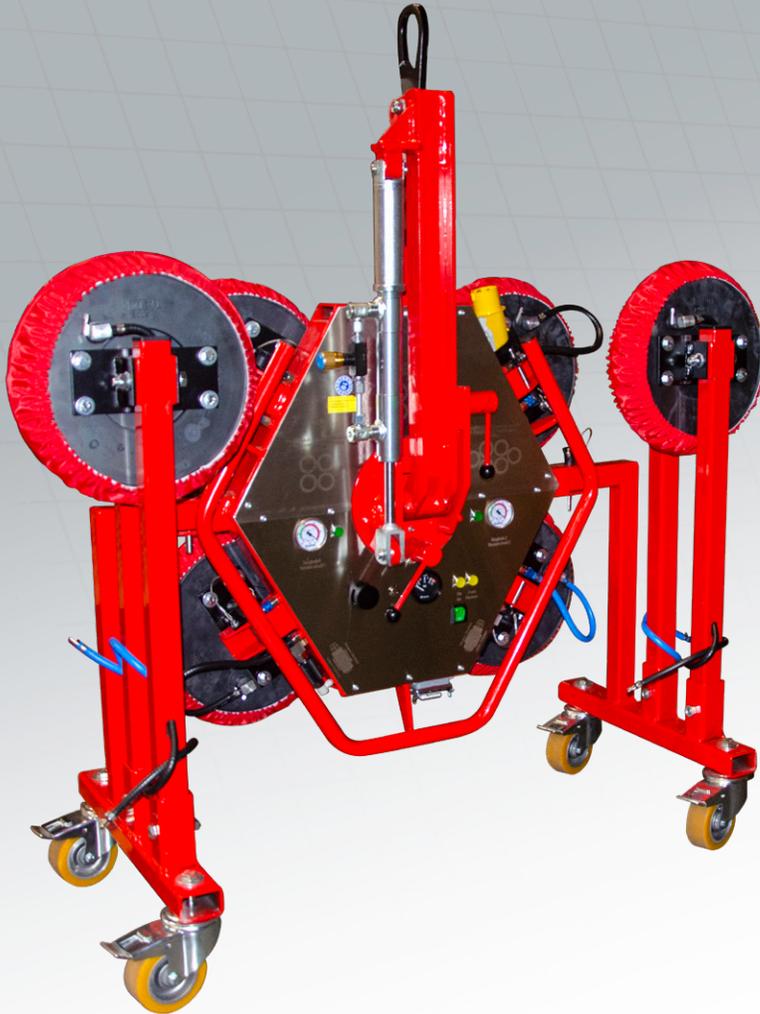


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CUP LIFTER

Max Load
1322 lbs



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CUP LIFTER

Specifications

Technical Data

Max Load Capacity - 8 Cups	1322 lbs
Load Capacity - 6 Cups	992 lbs
Load Capacity - 4 Cups	661 lbs
Machine Weight	230 lbs
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	2 Vacuum Pumps up to 8 Cups

Standard Features

- Attaches to the MAVLift Elevator, BigFoot Models and to Cranes
- Adjustable Suction Frame
- Wireless Remote Control
- 180° Suction Unit Rotation (manual left and right)

Safety Features

- Vacuum Lost/Overloading Indicator



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BIG WHEEL

Max Load
440 lbs



**Transport Materials
over ANY Surface!**



MAVLift.com



MOVER

Max Load

1760 lbs



Transport Large & Heavy Materials with ease!



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MAV **LIFT** Accessories



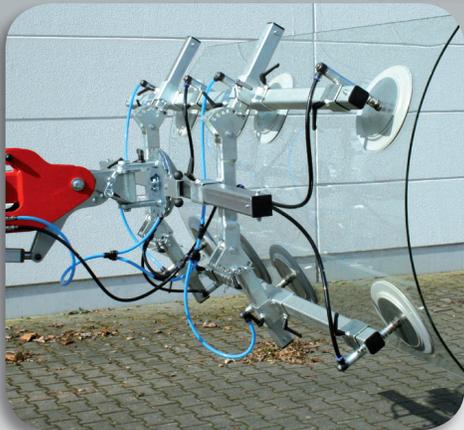
Gripper



Load Forks



Forklift Platform



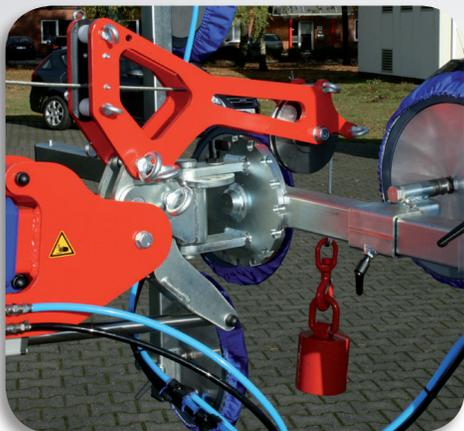
*Vacuum Unit
for Curved Glass*



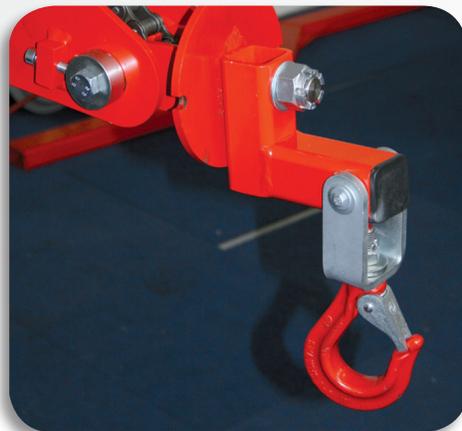
LED Light



Loading Ramp



Winch Unit



Crane Hook



*Telescoping
Extension*



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