



**INDOOR
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.





INDOOR 620

Glazing Robot

Max Load
620 lbs



Vertical
Working Height

7' 10"

Max
Overhead Height

8' 1"



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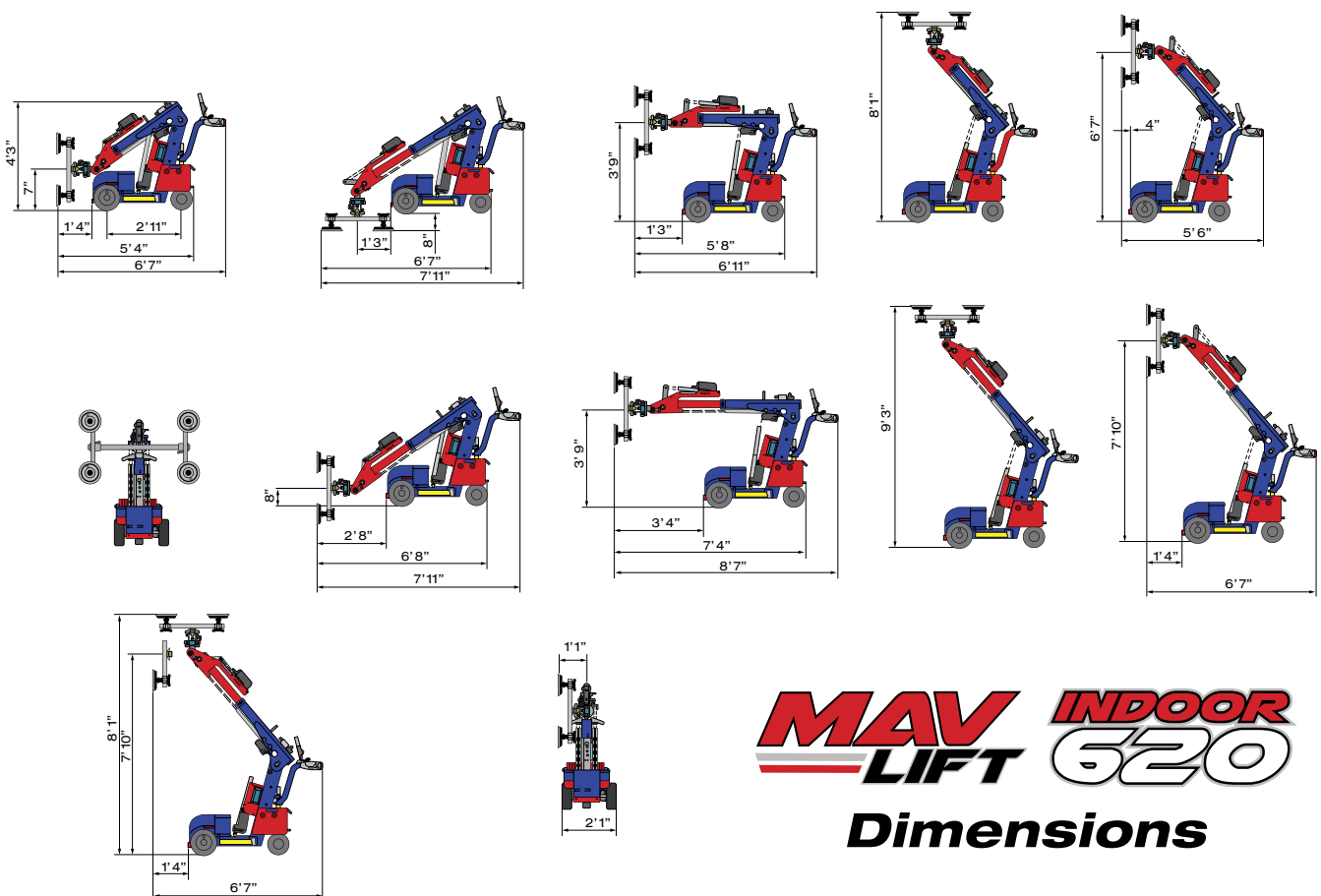


The smallest of the traditional Indoor Glass Robots, the Indoor 620 is the perfect glazing tool for installing glass or moving materials weighing up to 620 pounds.

Coming standard with Synchronous Control to ensure a constant inclination angle of the suction unit while raising or lowering the boom, the smooth and precision touch of the 620 is unmatched.

Also standard on the MAVLIFT 620 is the Advanced Articulated Joint allowing for additional electric articulation of suction unit so it may swivel from the horizontal plane to overhead seamlessly.

Dimensions



MAV LIFT **INDOOR 620**
Dimensions

Small enough to fit through a standard door and offering 90° slewing for easy transport of glass or materials in tight spaces, the Indoor 620 is a favorite among glass installation companies large and small.

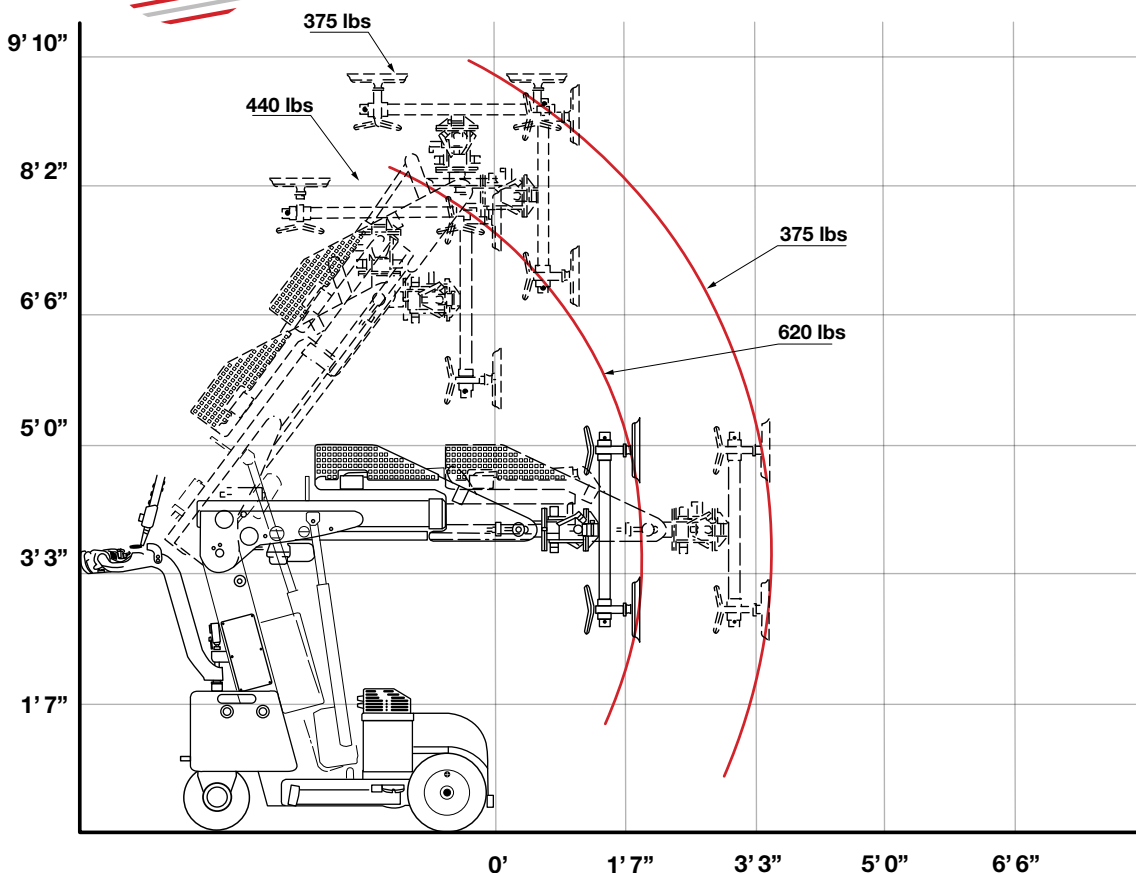
For added versatility, don't forget to add Load Forks for easy transport of materials on your jobsite.



Rated Load Chart



INDOOR 620





INDOOR 620

Specifications

Technical Data

Max Load Capacity	620 lbs
Machine Weight (Without Counterweights)	694 lbs
Machine Weight (With removable Counterweights installed)	1164 lbs
Jib Angle	125°
Maximum Permitted Slope	17°
Powered Lateral Sideshift	4"
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	2 Vacuum Pumps 4 Cups

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
- Advanced Articulated Joint- Allows for additional electric articulation of suction unit so it may swivel from the horizontal plane to overhead
- 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)
- 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

Safety Features

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

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 16' x 3' load ramps for easy loading into a transport vehicle or trailer (2200 lbs max capacity)
- Weather Cover for MAVLift Indoor 620



Product specifications are subject to change without notice. No specific training or license is required to operate the MAVLift in most areas, but operators are responsible for knowing and meeting all safety requirements and regulations. Not responsible for content errors.



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INDOOR 880

Glazing Robot

Max Load
880 lbs

Vertical
Working Height

10' 5"

12' 3" With Optional
Boom Extension

Max
Overhead Height

12' 0"

14' 1" With Optional
Boom Extension



MAVLift.com



When your project requires a slightly larger unit, the MAVLift 880 is ready for service. Offering the MAVLift's signature Synchronous Controls that keep the suction unit at a constant inclination angle automatically, the MAVLift 880 preforms with precision while lifting up to 880 lbs on a compact chassis measuring less than 3 feet across.

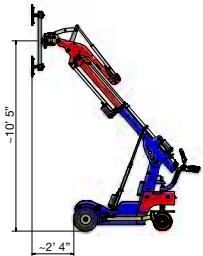
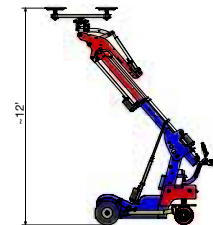
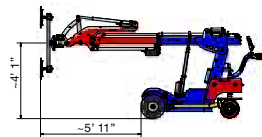
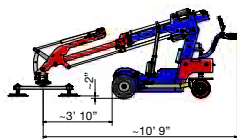
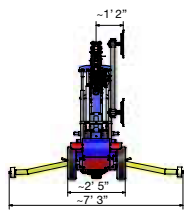
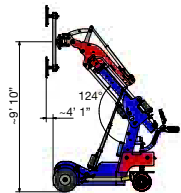
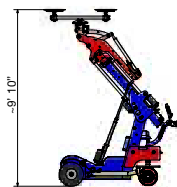
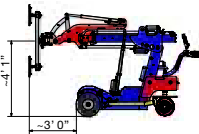
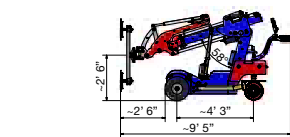
Add the optional boom extension and you now have a precision robot that can install glass at heights of almost 14 feet overhead.

With a variety of optional features and accessories, customize your MAVLift 880 into a smart lifting robot that works for you!

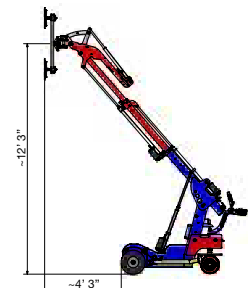
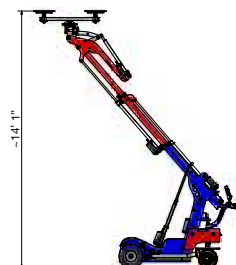
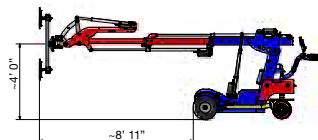
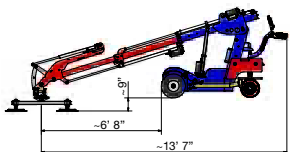
Dimensions

**MAV INDOOR
LIFT 880**

Dimensions

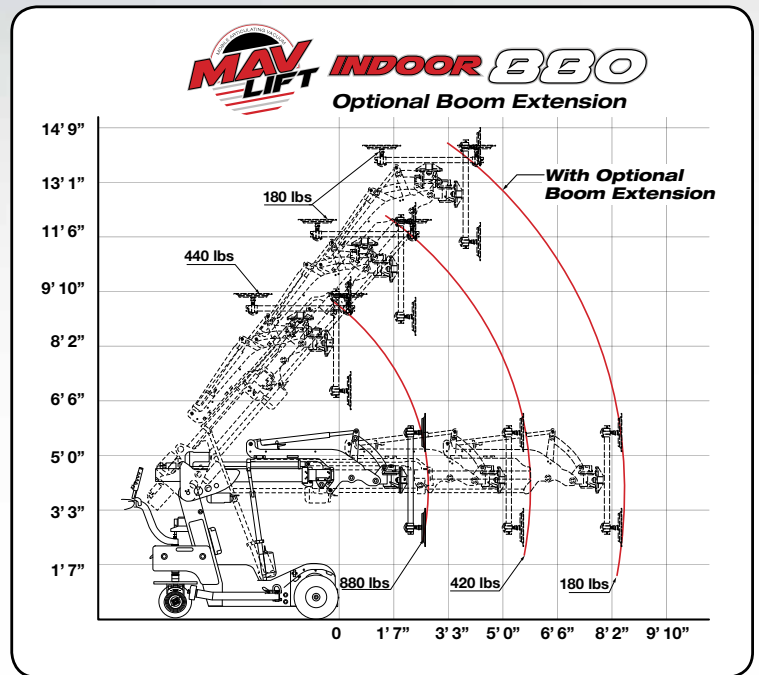
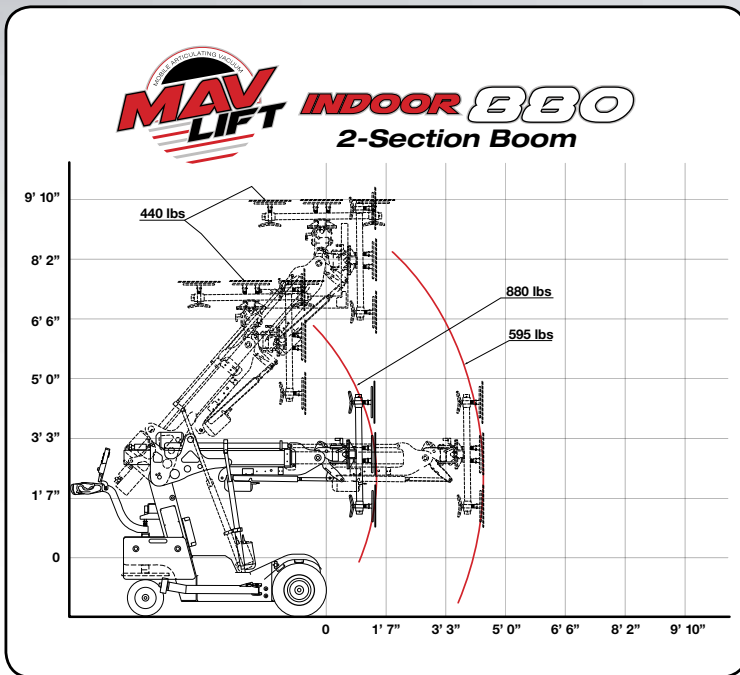


Dimensions with Optional Boom Extension





Rated Load Chart





INDOOR 880

Specifications

Technical Data

Max Load Capacity	880 lbs
Machine Weight (Without Counterweights)	1264 lbs
Machine Weight (With removable Counterweights installed)	1852 lbs
Jib Angle	125°
Maximum Permitted Slope	10°
Powered Lateral Sideshift	4"
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	2 Vacuum Pumps 4 Cups

Standard Features

- Lifting Unit electrically turns in all directions and telescopes to the front
- Advanced Articulated Joint- Allows for additional electric articulation of suction unit -swivel from the horizontal plane to overhead
- Synchronous Controls- automatically keeps a constant inclination angle of vacuum unit
- 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)
- Dual Vacuum Circuit 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

Safety Features

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

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 Ramp - 8' x 3' load ramps for easy loading into a transport vehicle or trailer (2200 lbs max capacity)
- Weather Cover for MAVLift Indoor 880

Optional Features

- Electrical Rotation +/- 45° – In addition the unit can manually rotated 360° and fixable in four position- must be combined with Advanced Articulated Joint
- Electrical Slewing +/- 90° – Electrically powered slewing of suction frame- not combinable with electrical rotation- must be combined with Advanced Articulated Joint
- Electrical Additional Boom Extension- Adds 3' of electrically actuated Boom- must be combined with Advanced Articulated Joint
- Manual Boom Extension- Adds 3' of additional boom that is manually actuated with 5 pin positions- must be combined with Advanced Articulated Joint

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No specific training or license is required to operate the MAVLift in most areas, but operators are responsible for knowing and meeting all safety requirements and regulations. Not responsible for content errors.*



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INDOOR 1320

Glazing Robot



Max Load
1320 lbs

Vertical
Working Height
9' 10"

12' 0" With Optional
Boom Extension

Max
Overhead Height
10' 6"

13' 6" With Optional
Boom Extension





The MAVLift 1320 Off-Road is the largest electric model in the indoor series. Built with smooth precision controls, the MAVLift 1320 is great for serious glaziers installing heavy duty commercial glass.

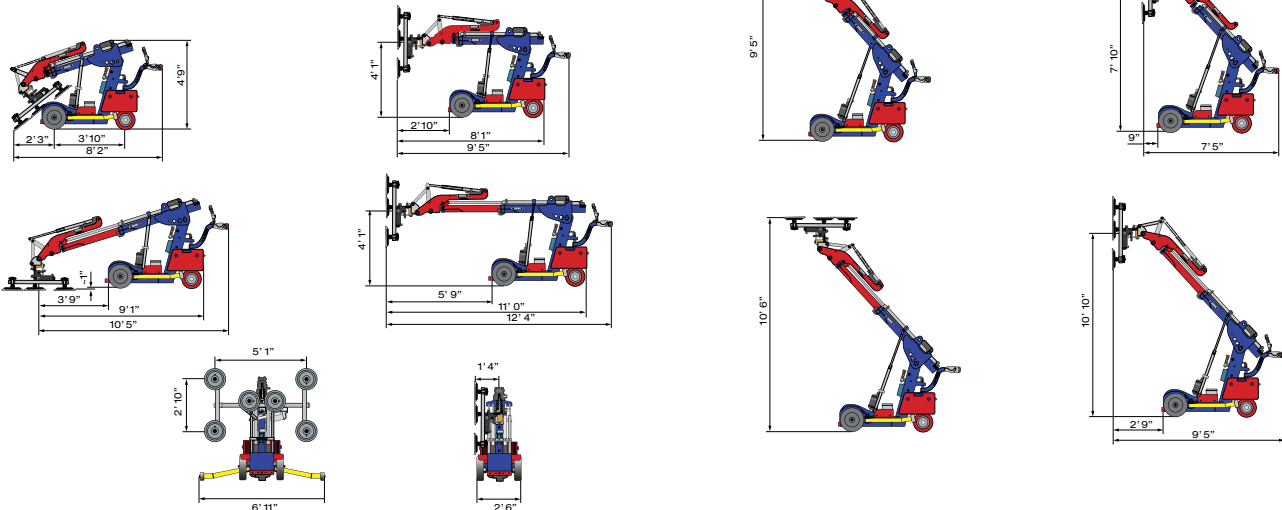
With a maximum lifting capacity of 1320 lbs and the ability to lift glass 660 lbs seamlessly into the overhead position, the MAVLift 1320 is an all around versatile glazing tool. In addition to glass, the MAVLift 1320 is great for installing materials such as granite, or aluminum panels.

Standard features include the advanced articulating joint, four inches of machine side shift, a tethered remote control, 90 degree slew for transporting glass, and an adjustable vacuum frame.

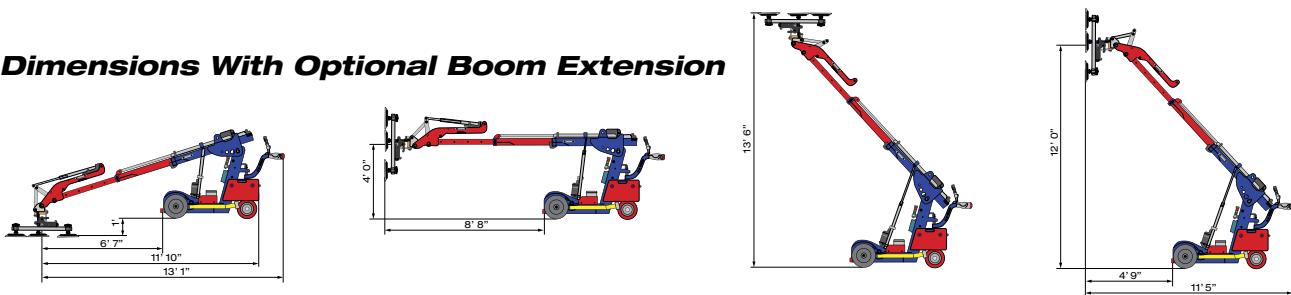
Dimensions

MAV LIFT INDOOR 1320

Dimensions



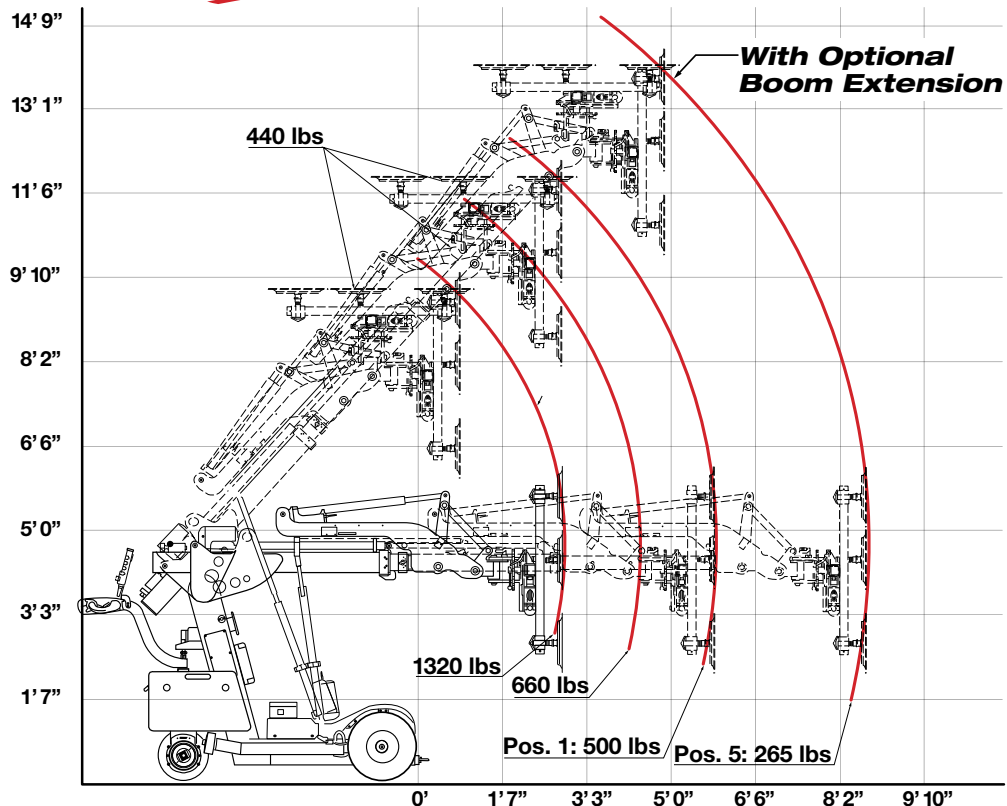
Dimensions With Optional Boom Extension



For busy jobsites, add a Forklift Platform or some Load Forks to turn your MAVLift into a smart lifting, dynamic tool.



Rated Load Chart





INDOOR 1320

Specifications

Technical Data

Max Load Capacity	1320 lbs
Machine Weight (Without Counterweights)	1212 lbs
Machine Weight (With removable Counterweights installed)	2306 lbs
Jib Angle	125°
Maximum Permitted Slope	10°
Powered Lateral Sideshift	4"
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	2 Vacuum Pumps 6 Cups

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
- Advanced Articulated Joint- Allows for additional electric articulation of suction unit so it may swivel from the horizontal plane to overhead
- 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)
- Dual Vacuum Circuit 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

Safety Features

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

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 Ramp - 8' x 3' load ramps for easy loading into a transport vehicle or trailer (2200 lbs max capacity)
- Weather Cover for MAVLift Indoor 880

Optional Features

- Electrical Rotation +/- 45° – In addition the unit can manually rotated 360° and fixable in four position- must be combined with Advanced Articulated Joint
- Electrical Slewing +/- 90° – Electrically powered slewing of suction frame- not combinable with electrical rotation- must be combined with Advanced Articulated Joint
- Electrical Additional Boom Extension- Adds 3' of electrically actuated Boom- must be combined with Advanced Articulated Joint
- Manual Boom Extension- Adds 3' of additional boom that is manually actuated with 5 pin positions- must be combined with Advanced Articulated Joint

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INDOOR 2200

Glazing Robot



Max Load
2200 lbs

Vertical
Working Height
14' 5"

Max
Overhead Height
16' 2"





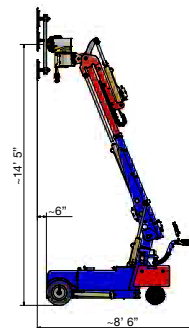
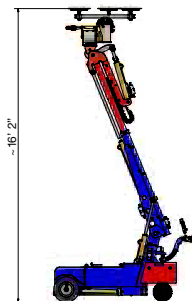
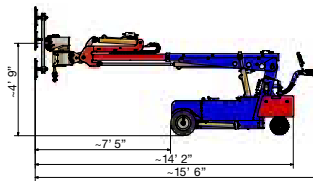
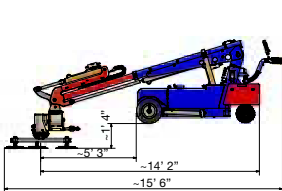
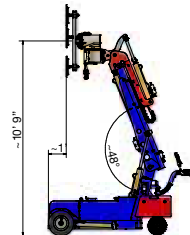
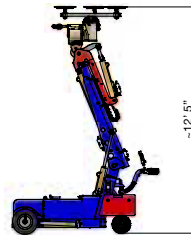
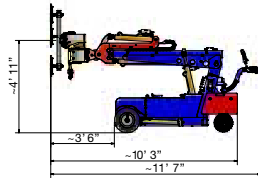
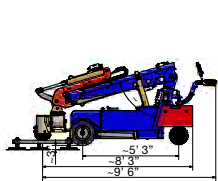
Like its sister model the MAVLift 3080, the smaller MAVLift 2200 is built for serious lifting, transporting, and setting of commercial or specialty glass and materials.

Able to set glass or materials weighing over 2200 lbs, hydraulically slew materials 90° for easy transport, or set glass with precision, the MAVLift 2200 is a thoughtful and magnificently engineered glazing tool.

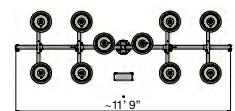
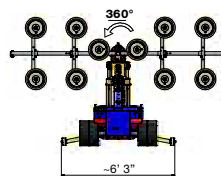
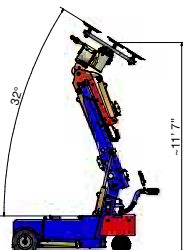
For specialty glass, the MAVLift 2200 offers an adjustable suction frame. Rotate glass 360° or tilt the suction unit overhead seamlessly with the standard Hydraulic Turning and Slewing Head (HDS) system.

Dimensions

MAV INDOOR LIFT 2200 Dimensions



Hydraulic Turning & Slewing Head

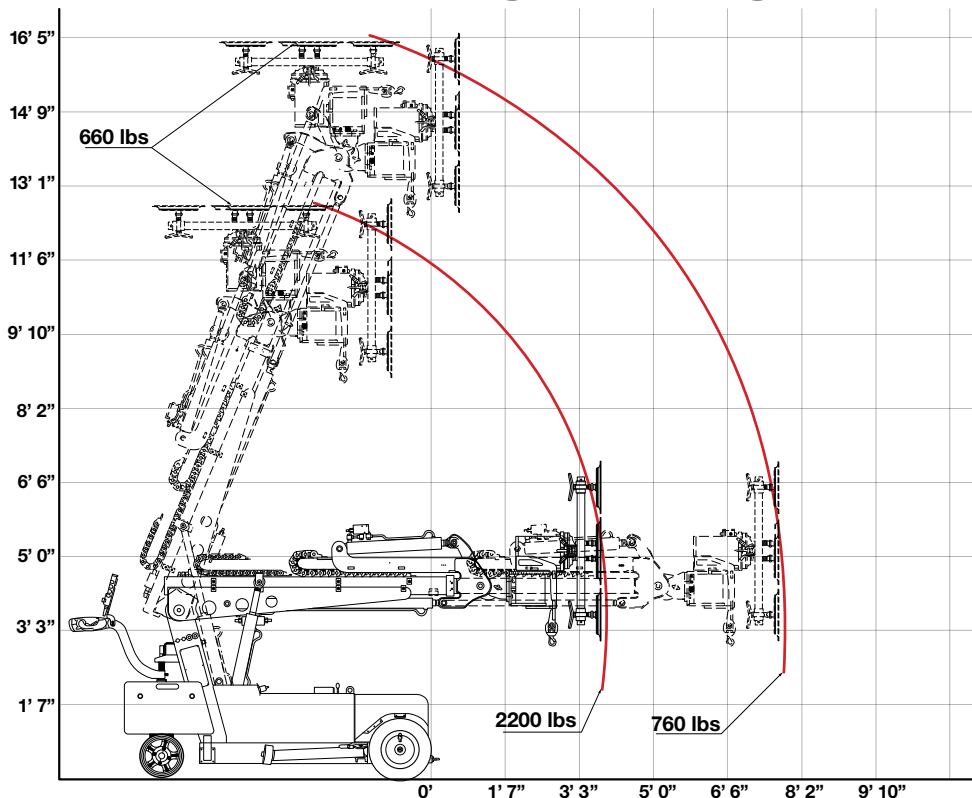




Rated Load Chart



Hydraulic Turning & Slewing Head





INDOOR 2200

Specifications

Technical Data

Max Load Capacity	2200 lbs
Max Load Capacity (Swiveled to the side for Travel)	1100 lbs
Machine Weight (Without Counterweights)	3440 lbs
Machine Weight (With removable Counterweights installed)	4806 lbs
Jib Angle	110°
Maximum Permitted Slope	10°
Powered Lateral Sideshift	8"
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	4 Vacuum Pumps 10 Cups

Standard Features

- Lifting Unit turns in all directions and telescopes to the front
- Hydraulic Turning and Slewing Head (HDS)
- 90° Hydraulic Slew of Vacuum Unit (left and right)
- Adjustable Suction Frame
- Suction Cup Quick-Connect Couplings
- Wired Remote Control
- Suitable for Overhead Lifting
- 8" Lateral Sideshift (left and right)
- 360° Rotation of Vacuum Unit
- 90° Hydraulic Slew of Vacuum Unit (left and right)
- 90° Hydraulic Tilt of Vacuum Unit (up and down)
- Dual Vacuum Circuit with two pumps and two Vacuum Reserve Tanks
- Operates on two 12v DC Rechargeable Batteries or while plugged into standard outlet

Product specifications are subject to change without notice. No specific training or license is required to operate the MAVLift in most areas, but operators are responsible for knowing and meeting all safety requirements and regulations. Not responsible for content errors.

Accessories

- Twin Front Wheels - For added stability when maneuvering heavy loads
- Load Forks - Utilize your MAVLift for material handling
- Load Hook
- LED Light - LED with magnetic socket powered by the MAVLift's battery pack
- Loading Ramp - 8.5' x 3.4' load ramps for easy loading into a transport vehicle or trailer (6384 lbs max capacity)

Safety Features

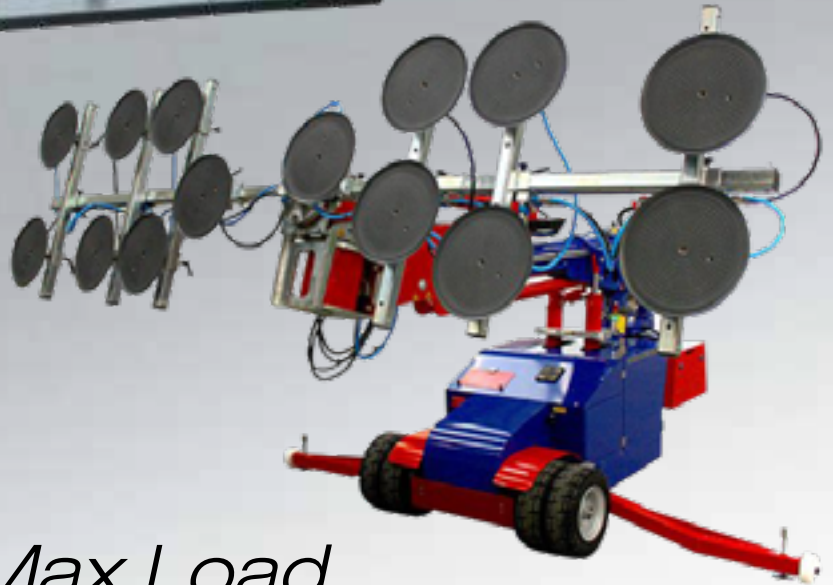
- Overload Switch
- Stop Switch
- Vacuum Lost/Overloading Indicator



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INDOOR 3080

Glazing Robot



Max Load
3080 lbs

Vertical
Working Height
14' 7"

Max
Overhead Height
16' 1"





The largest robot available and designed to lift glass up to 3080 lbs, the MAVLift 3080 leaves nothing to be desired. Offering a Hydraulic Turning and Slewing Head (HDS), Multi-function Tethered Remote Control, and an Adjustable Suction Frame with Quick Connect Couplings all as standard features, the MAVLift 3080 is a well thought out, complete unit.

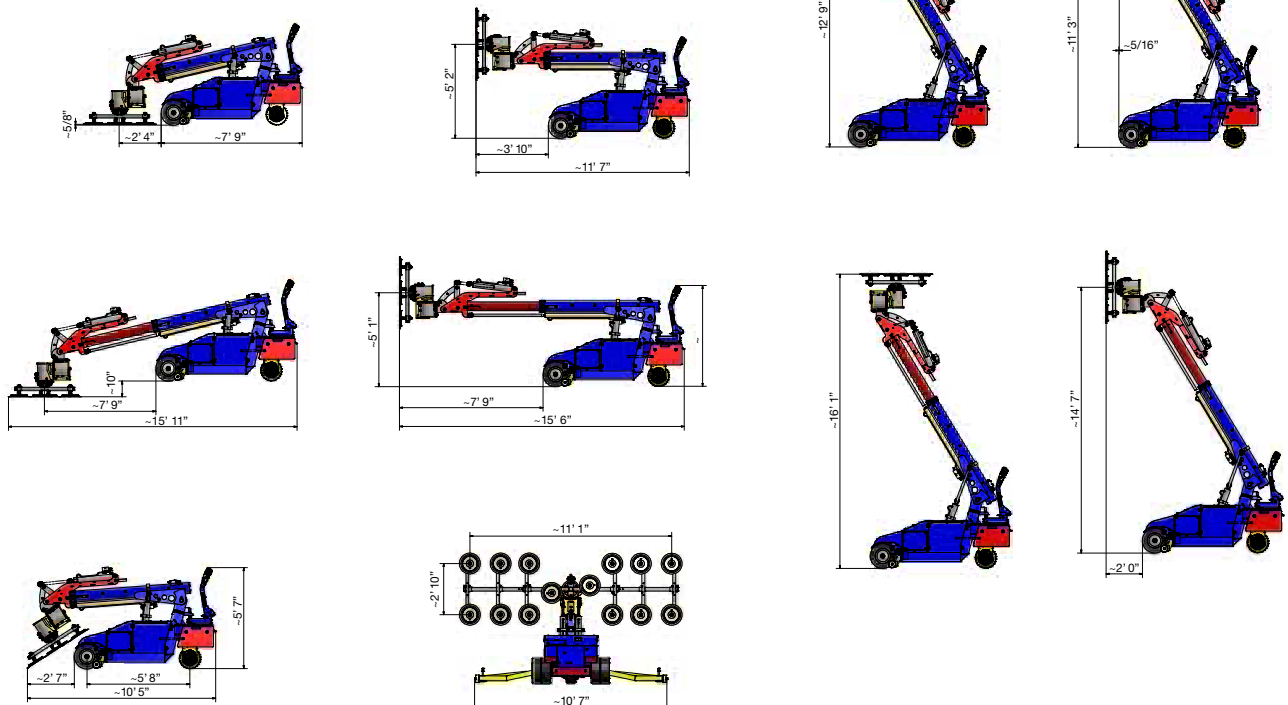
Like the smaller models, the MAVLift 3080 can also double as a forklift with the optional load forks connected, and with the machine measuring in at under 4'4" wide and under 5'7" high, travel through double doors is easy.

Engineered by listening to the needs of the glazing industry, when your project requires complicated, heavy lifting, look no further than the MAVLift 3080.

Dimensions

MAV INDOOR LIFT 3080 Dimensions

Hydraulic Turning & Slewing Head

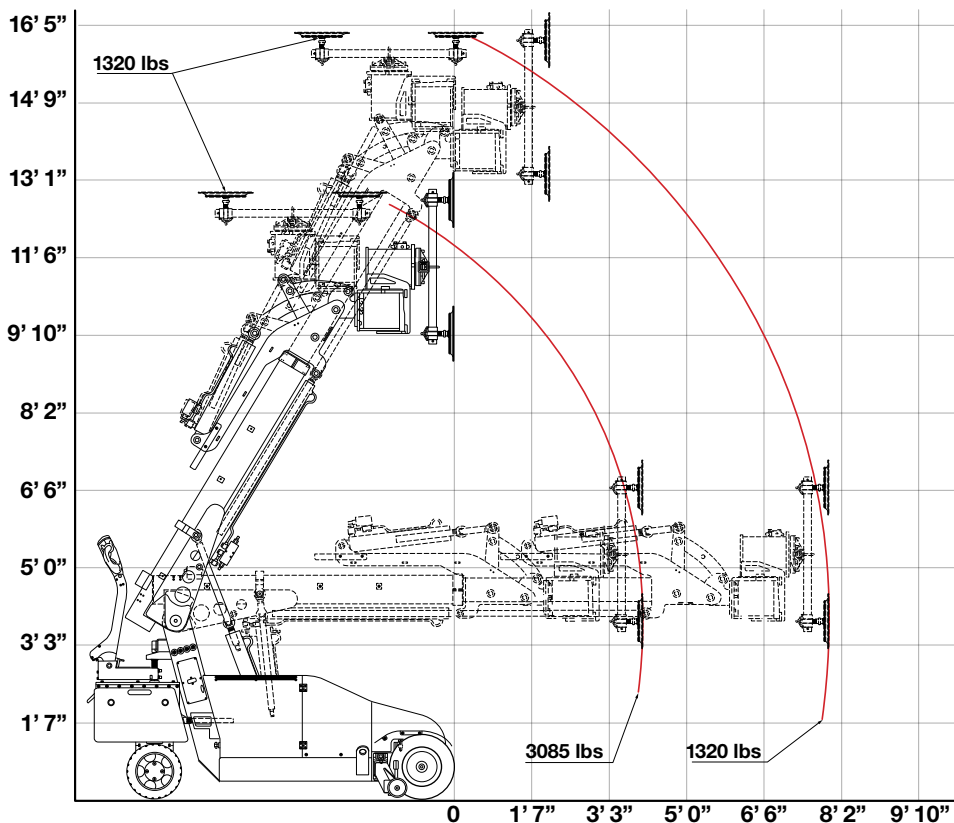




Rated Load Chart



INDOOR 3080
Hydraulic Turning & Slewing Head





INDOOR 3080

Specifications

Technical Data

Max Load Capacity	3080 lbs
Max Load Capacity (Swiveled to the side for Travel)	1320 lbs
Machine Weight (Without Counterweights)	4057 lbs
Machine Weight (With removable Counterweights installed)	5711 lbs
Jib Angle	130°
Maximum Permitted Slope	7°
Powered Lateral Sideshift	8"
Power Requirements	Battery: 110v/240v Charger Pump: 12v DC
Vacuum System	4 Vacuum Pumps 14 Cups

Accessories

- Load Forks - Utilize your MAVLift for material handling
- Load Hook
- LED Light - LED with magnetic socket powered by the MAVLift's battery pack
- Loading Ramp - 8.5' x 3.4' load ramps for easy loading into a transport vehicle or trailer (6384 lbs max capacity)

Standard Features

- Lifting Unit turns in all directions and telescopes to the front
- Hydraulic Turning and Slewing Head (HDS)
- Adjustable Suction Frame
- Suction Cup Quick-Connect Couplings
- Wireless Remote Control
- Suitable for Overhead Lifting
- 8" Lateral Sideshift (left and right)
- 360° Hydraulic Rotation of Vacuum Unit
- 90° Hydraulic Slew of Vacuum Unit (left and right)
- 90° Hydraulic Tilt of Vacuum Unit (up and down)
- Dual Vacuum Circuit with four pumps
- Operates on two 12v DC Rechargeable Batteries or while plugged into standard outlet

Safety Features

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

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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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