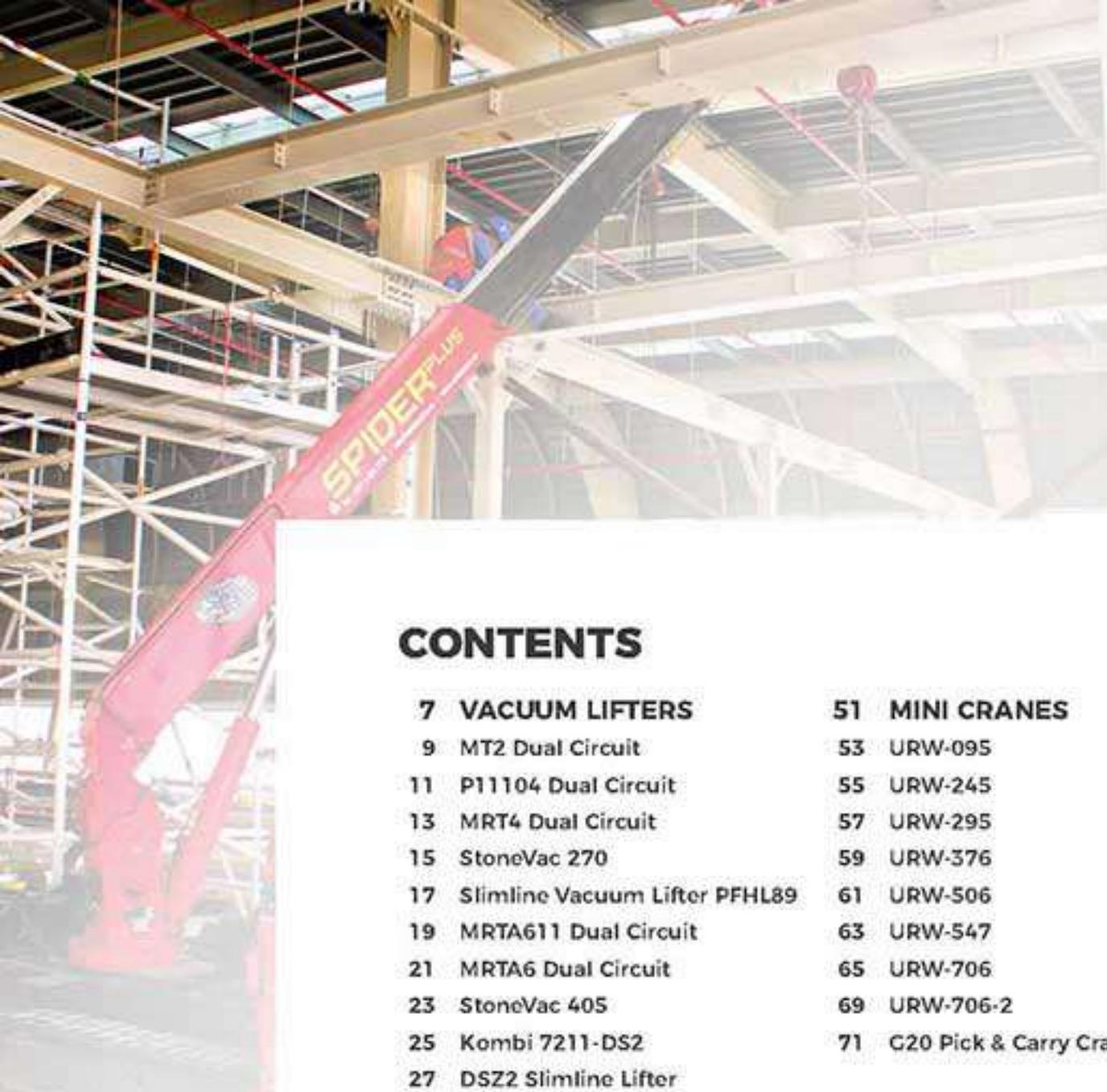


SPIDER PLUS



**RENTAL
CATALOGUE**



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EASY LIFTING!

SPIDER PLUS WAS FORMED IN 2016

Spider Plus was formed after separating from parent company Orientals Specialist Lifting. Drawing on a decade of vacuum lifter and mini crane experience has allowed for rapid growth. The company philosophy of safety, integrity and customer satisfaction has quickly led Spider Plus to become the leading solutions provider within the glass lifting, mini cranes and equipment training market. Our fleet is one of the largest of it's kind in the Middle East. With over 200 assets consisting of glass lifters, mini spider cranes, pick and carry cranes and a plethora of other glazing, cladding and façade equipment. Our efficient operations and maintenance procedures mean that if customers require a piece of equipment we have in stock, we can often dispatch the order within a few hours.

Our new facility in Dubai Investment Park is perfectly positioned to allow easy access and a convenient base of operations to service the whole UAE and Middle East region. We're experienced in catering to clients from across a variety of industries including construction, glazing, façade, cladding, steel erection and oil & gas. Spider Plus has been involved in some of the region's most iconic projects such as the Etihad Museum, the Dubai Frame, the Abu Dhabi Martyrs Memorial, the Dubai Mall and the Midfield Terminal Building Project.

This unique blend of experience and technology means that we have successfully positioned ourselves as a market leading solutions provider in our short history in the region.



AT SPIDER PLUS WE ARE EXPERTS AT WHAT WE DO AND CAN GO FAR BEYOND JUST SUPPLYING EQUIPMENT.

LIFTING SOLUTIONS

We are here to assist with any technical site requirement and can offer support and advice on any rigging or lifting challenges which may arise. We offer site surveys at no cost, in order to advise and guide our clients on which equipment or solution will best suit their needs. We can also provide technical support services, including site specific Method Statements, Risk Assessments, Complex Lift Plans, Technical Drawings and detailed ground loading data.



TRAINING & SUPPORT

When it comes to the training services we offer for our equipment, we're capable of delivering training on site or in our specialized facility, and can also provide third party certification where required. Spider Plus is also capable of offering support and guidance to client project teams, contributing to equipment applications advice and helping develop methodology.



EASY LIFTING!

OPERATOR TRAINING

We rent and sell some of the world's most specialized lifting equipment, so it's no surprise that we also offer some of the best Spider Crane and Glass Lifter Equipment training on the market for operators. Our highly experienced operations trainers can either conduct training at our facility in DIFC or for your convenience, travel to your work site and train your staff on-site. All of our training can be delivered with or without 3rd party certification, meaning that you can rent and buy our equipment for all of your specialized lifting needs and not have to worry about retraining your operators.



SUPPORT & GUIDANCE

Our project and operations staff have experience in the applications and unique features of the equipment we offer. If your project team requires support, we're capable of assisting your engineers in the best selection and methodology when executing lifting projects. With our background in specialized lifts, from shopping malls,

to iconic projects like the Dubai Frame, to intricate glass, cladding and facade works, you can be assured that we can assist in a solution to almost any problem.



OUR WORKSHOP BASED IN DUBAI INVESTMENT PARK.

Our state of the art 10,000 square foot facility in Dubai Investment Park is home to our centralized workshop where our specialist technicians maintain and dispatch our equipment. The workshop is also attached to our engineering offices where our dedicated engineering and operations support staff are on hand to minimize downtime, choose the best equipment for your project and quickly and accurately respond to customer requests and site necessities.

We have dedicated areas for maintenance and testing of both our own and customer's equipment as well as in-house operator training. The strategic location of the workshop means we are only 20 minutes away from the Dubai Expo 2020 site, 1 hour 15 minutes away from Abu Dhabi and less than an hour away from Sharjah.



IN-HOUSE VACUUM LIFTER TESTING CAPABILITIES.



We have two bespoke Vacuum Lifter testing bays at our facility in Dubai Investment Park 1. These test bays are designed to accommodate even the largest vacuum glass lifters. With a current loading capacity of over 4Te, we are equipped to perform 25% and 50% overload tests on even the largest lifters currently available in the region.

This unique capability allows Spider Plus to test, diagnose, maintain and certify all Vacuum Lifters without the need to wait for loads to arrive. This means that equipment can be checked, tested and ready to go before the material to be installed has even been manufactured. At Spider Plus we're always thinking of ways to add value and minimize risk for our clients and this capability means that valuable final products don't need to be risked as test pieces.



VACUUM LIFTERS



Vacuum lifting technology allows users to safely and securely maneuver and accurately position glass panels or any other material with a smooth non-porous surface.



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MT2 Dual Circuit



MT2
Dual Circuit

Compact & Lightweight Vacuum Lifters

Make glass lifting safer and easier with the reliable MT2 lightweight vacuum lifter.

Proven to be popular aids in the glazing, construction, automotive, manufacturing and transport industries, these lifters have the flexibility to lift metal, plastic, ceramic and composite materials. Offering more lifting power than everyday manual hand cups, these small powered lifters are designed to be used as below-the-hook attachments and help to reduce the risk of injury normally associated with manual glass handling.

Key Features

- Capacity: 135kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- 90° manual tilting from vertical to horizontal
- Integral maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Audio-visual low vacuum warning
- On-board control panel



135kg

Safe Working Load

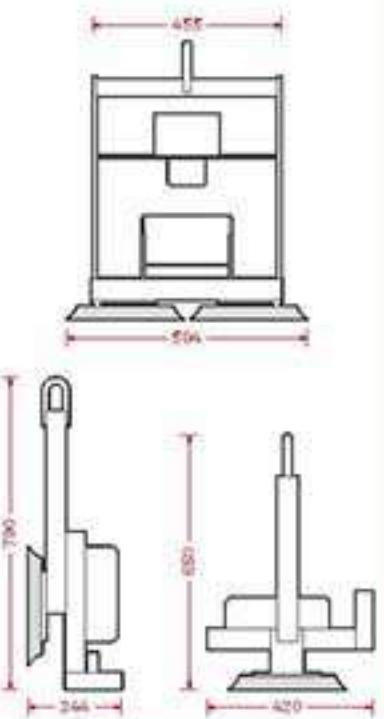


Technical Specifications

MT2 dual circuit

Safe working load	capacity: 135kg (smooth, clean surface at 60% vacuum)
Number of suction cups	cups: 2
Suction cup	description: black rubber, non-abrasion resistant
Suction cup diameter	diameter: 180mm
Suitable for lifting	material properties: gas-tight / non-porous surface: smooth example: glass, plastic boards, ceramic plates, sheet metals, coated, boards
Weight of lifter	approx: 24kg
Depth of lifter	depth: 244mm
Tilt	tilt: 90° manual
Vacuum system	type: dual circuit (1 pump, 2 vacuum reserve tanks)
Voltage	pump: 12v DC from rechargeable battery battery charger: 110v/240v 50/60Hz single phase factory selectable
Optional accessories	stone pads: 135kg capacity curved pads: 135kg capacity

Technical Data - MT2 (mm)



P11104 Dual Circuit “Four-In-Line”



Bestseller Built For Safety

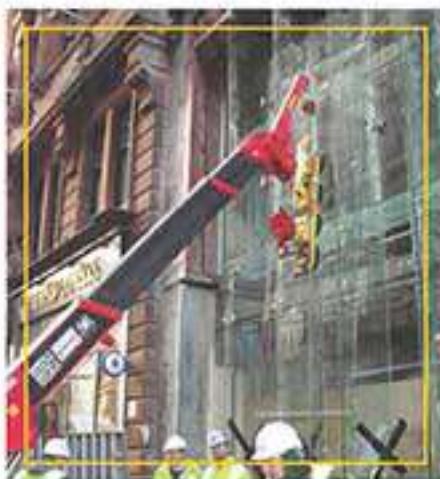
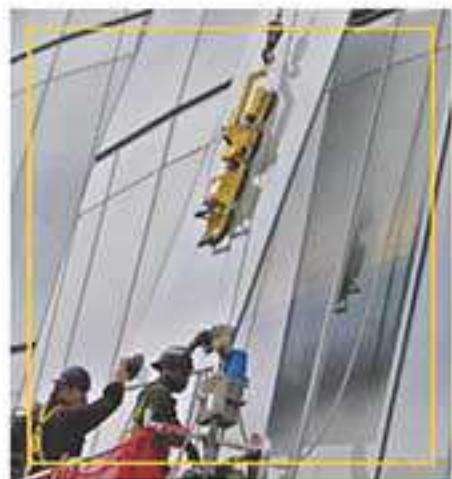
This bestselling glass vacuum lifter is a convenient tool for lifting glass, metal, ceramics and other nonporous materials. The P11104 enables users to quickly manoeuvre loads into position with its 180° lockable rotation and 90° tilt.

Engineered and tested for its reliability, safety and durability, the P11104 lifter comes with a 320kg lifting capacity and on-board power with a rechargeable battery, so there are no tricky cords to deal with during operation.

An optional short hook is also available when fitting glass under soffits or overhangs.

Key Features

- Capacity: 320kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- 90° manual tilting from vertical to horizontal
- 180° rotation, lockable in three positions
- Integral maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Audio-visual low vacuum warning
- On-board control panel



320kg

Safe Working Load

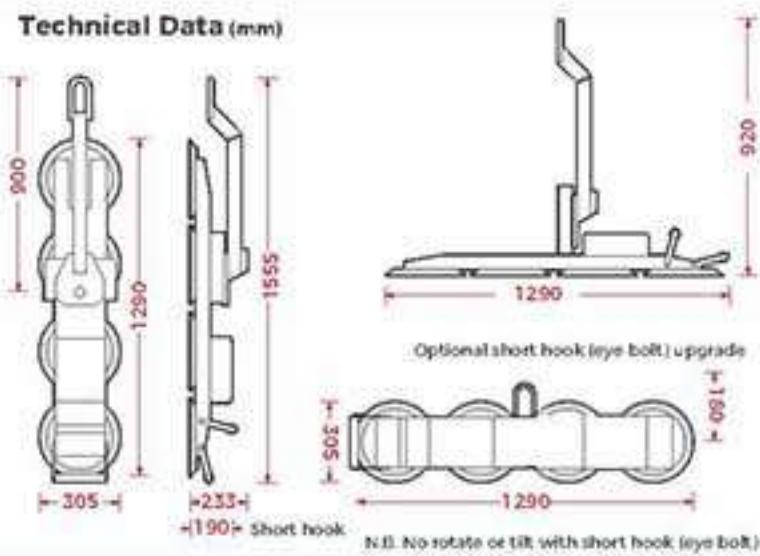


Technical Specifications

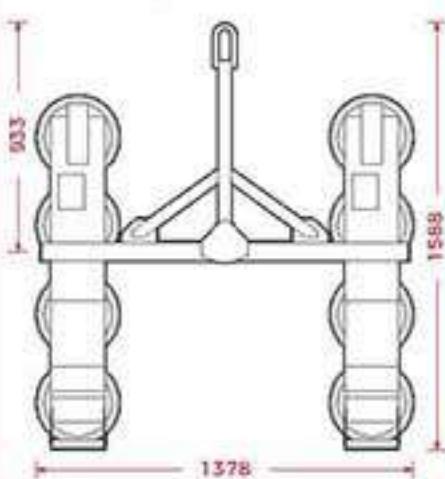
Safe working load (smooth, clean surface at 60% vacuum)	capacity:	320kg
Number of suction cups	cups:	4
Suction cup	description:	black rubber, non-abrasion resistant, heat resistant up to 100°F
Suction cup diameter	diameter:	305mm
Suitable for lifting	material properties: surface: example:	gaslight / non-porous smooth glass, plastic boards, ceramic plates, sheet metals, coated boards
Weight of lifter	approx:	54kg
Depth of lifter	depth:	233mm
Rotation	rotation:	90° manual left & right lockable
Tilt	tilt:	90° manual
Vacuum system	dual circuit:	1 pump, 2 vacuum reserve tanks
Voltage	pump: battery charger:	12v DC from rechargeable battery 110v/240v 50/60Hz single phase factory selectable
Optional accessories	optional:	<ul style="list-style-type: none"> Short hook (eye bolt) Curved pads (270kg capacity) Stone pads (270kg capacity)



Technical Data (mm)



Lift Bar Option - 635kg



MRT4 Dual Circuit



MRT4 • Variable length
lifting arm
600 (min) - 900mm (max)

The World's Number One Vacuum Lifter

The popular MRT4, with dual circuit vacuum system technology, is built for versatility.

It delivers 360° rotation and 90° tilt from any position. Using the extension arms and movable pads, at least four frame configurations are possible to cover most load sizes on site or in the workshop.

A variable length lifting arm may be added, allowing easy lifting under soffits and overhangs.

Key Features

- Capacity: 320kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- 90° manual tilting from vertical to horizontal
- Manual 360° lockable rotation (continuous)
- Integral maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Audio-visual low vacuum warning
- 4 extension arms allow alternative configurations
- On-board control panel



320kg

Safe Working Load



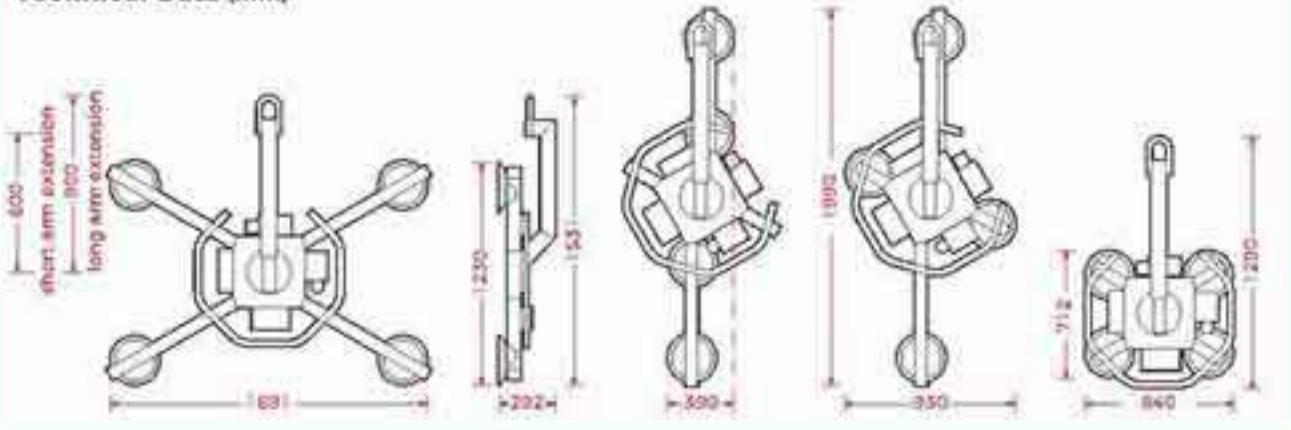
MRT4
Compact



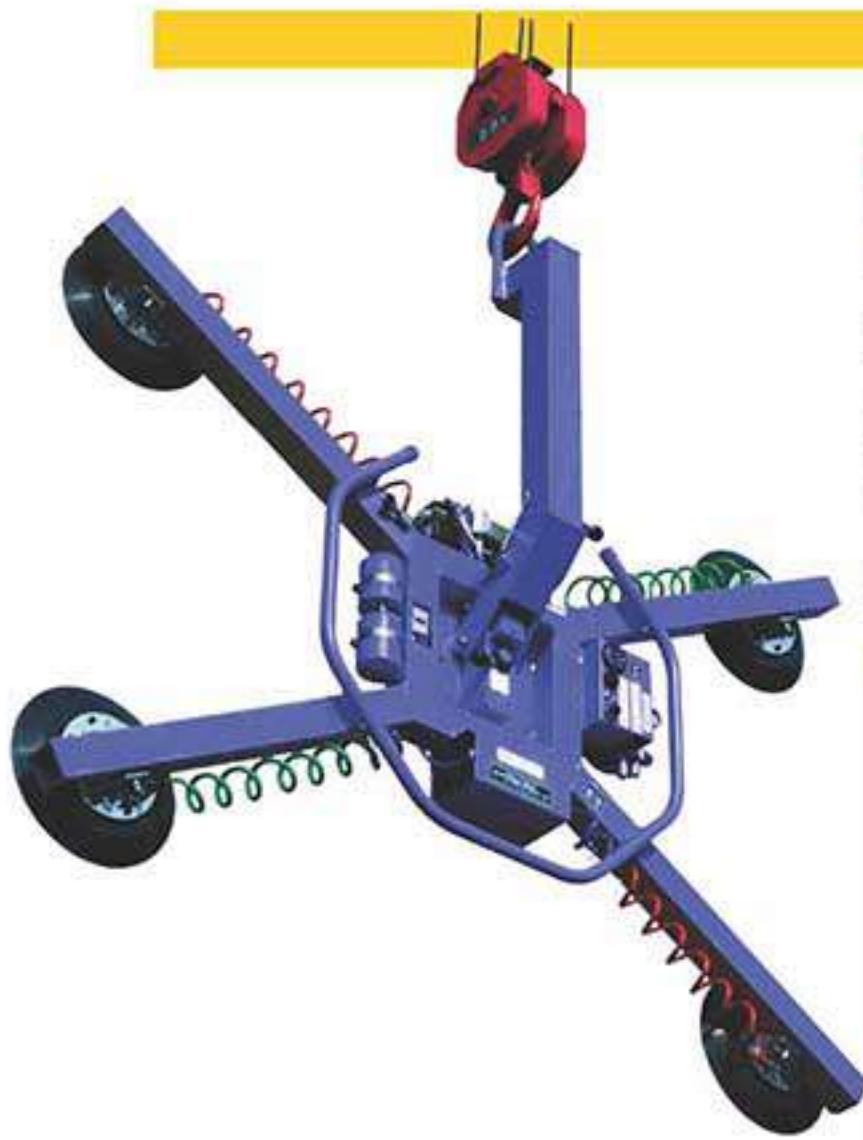
Technical Specifications

Safe working load	capacity: 320kg
	(smooth steel surface at 60% vacuum)
Number of suction cups	cups: 4
Suction cup	description: black rubber, not abrasion-resistant
Suction cup diameter	diameter: 305mm
Suitable for lifting material properties:	geotight / non-porous
	surface: smooth
	example: glass, plastic boards, ceramic plates, sheet metals, coated boards
Weight of lifter	approx: 68kg with extension arms, 62kg without arms
Depth of lifter	depth: 292mm
Rotation	rotation: 360° manual continuous lockable
Tilt	tilt: 90° manual
Vacuum system	dual circuit: 1 pump, 2 vacuums max. 95 mbar
Voltage	pump: 12V DC NiMH rechargeable battery battery charger: 110V/240V 50/60Hz single phase factory selectable
Standard accessories	standard: 4 x extension arms
Optional accessories	optional: <ul style="list-style-type: none"> • variable length lifting arms • curved pads (270kg capacity) • stone pads (270kg capacity)

Technical Data (mm)



StoneVac 270



Lifter Solutions for all material

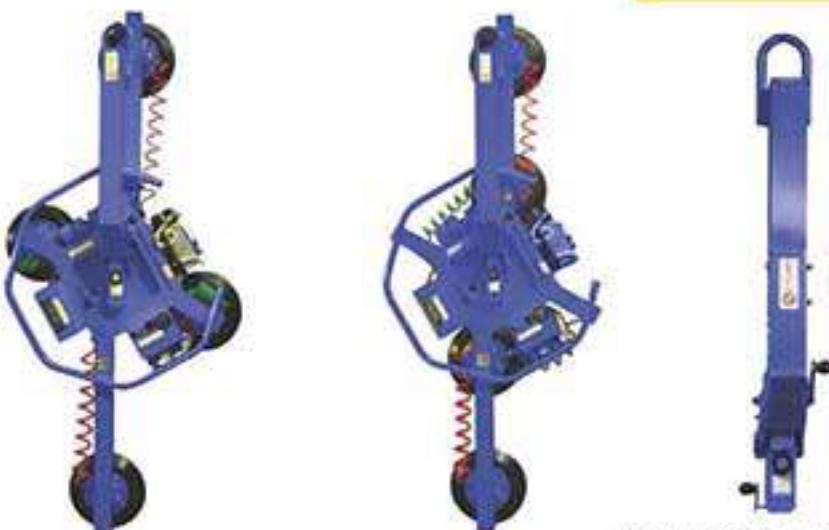
The StoneVac 270 has been developed in-house based on the popular MRT4, with dual circuit vacuum system technology, and is built for versatility.

It delivers 360° rotation and 90° tilt from any position. Using the extension arms and movable pads, at least four frame configurations are possible to cover most load sizes on site or in the workshop.

A variable length lifting arm may be added, allowing easy fitting under soffits and overhangs.

Key Features

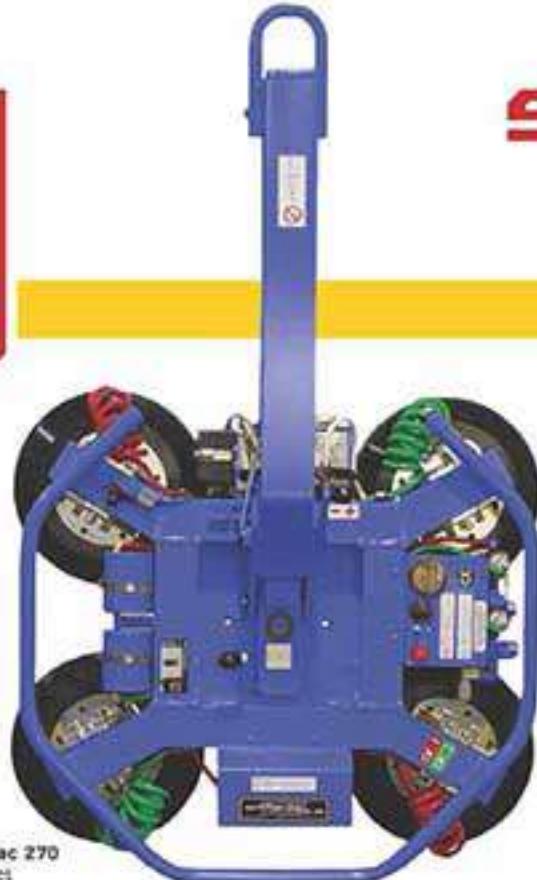
- Capacity: 270kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- 90° manual tilting from vertical to horizontal
- Manual 360° lockable rotation (continuous)
- Integral maintenance-free vacuum pump
- 12V 12A DC battery with 2 high flow pumps
- Audio-visual low vacuum warning
- 4 extension arms allow alternative configurations
- On-board control panel



MRT4 - Variable length lifting arm -
600 (min) - 800mm (max)

270kg

Safe Working Load

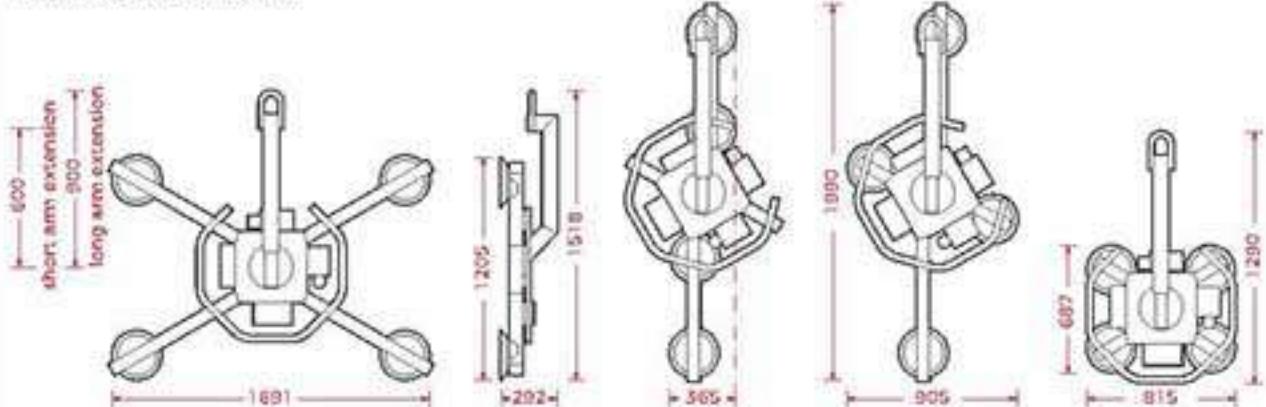


StoneVac 270
Compact

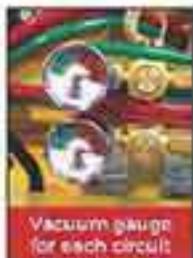
Technical Specifications

Safe working load (smooth, clean surface at 60% vacuum)	capacity: 270kg
Number of suction cups	cups: 4 with extension arms
Suction cup	description: Foam lined Stone pads
Suction cup diameter	diameter: 280mm
Suitable for lifting	material properties: semi-porous surface: smooth, textured and ribbed surfaces example: GRC, GRP, Stone and other semi-porous materials
Weight of lifter	approx: 54kg without extension arms, 70kg with extension arms
Depth of lifter	depth: 292mm
Rotation	rotation: 360° manual continuous lockable
Tilt	tilt: 90° manual
Vacuum system	dual circuit: 2 pumps, 2 vacuum reserve tanks
Voltage	pump: 12V DC from rechargeable battery, battery charger: 110v/240v 50/60Hz single phase factory selectable
Standard accessories	standard: 4 x extension arms
Optional accessories	optional: variable length lifting arm

Technical Data (mm)



Slimline Vacuum Lifter PFHL89



Vacuum gauge
for each circuit



Tilt & rotate
handles



Two vacuum
tanks



On-board control
panel

Super Slim & Strong Lifter

Being super slim and strong is what makes the PFHL89 vacuum lifter perfect for lifting between a building envelope and scaffold.

Despite measuring only 188mm wide, the slender PFHL89 comes with a steady 455kg lifting capacity making it a convenient aid for lifting glass, ceramic, metal and non-porous materials.

The PFHL89 comes with manual 180° rotation which is lockable in 3 positions, alongside 90° manual tilt.

Key Features

- Capacity: 455kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- 90° manual tilting from horizontal to vertical
- Manual 180° lockable rotation
- Integral maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Audio-visual low vacuum warning
- On-board control panel



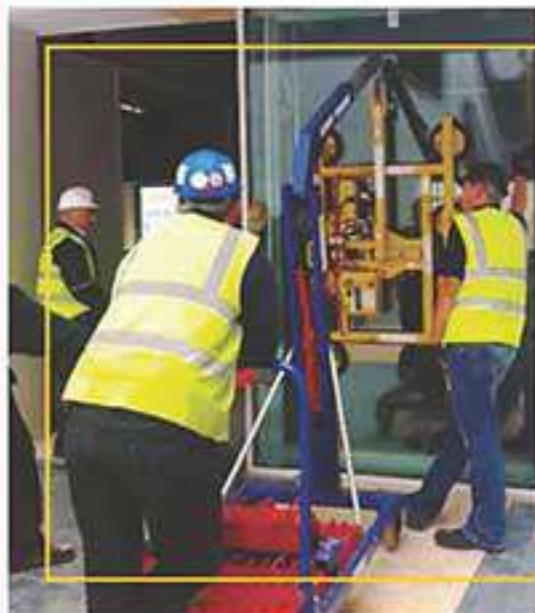
455kg

Safe Working Load

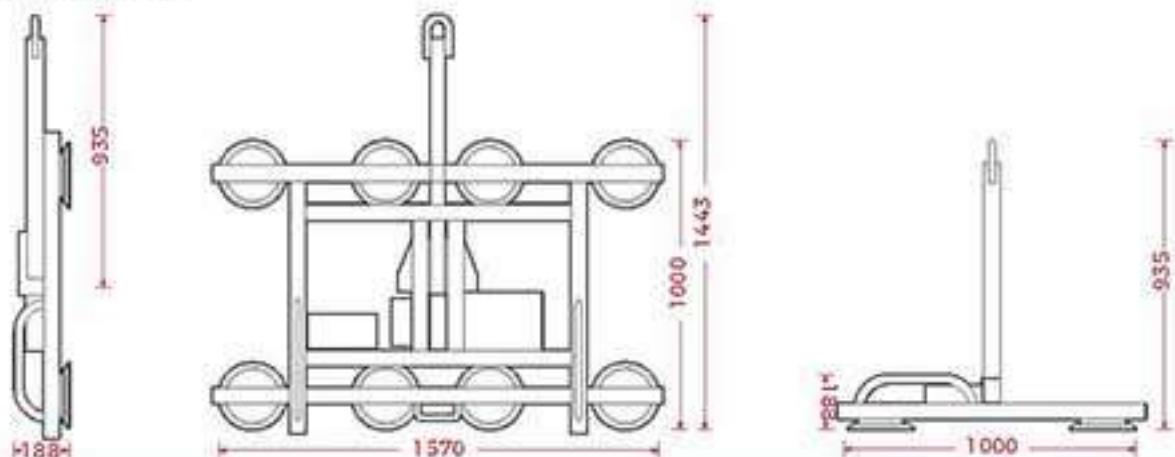


Technical Specifications

Safe working load <small>(smooth, clean surface at 60% vacuum)</small>	capacity: 455kg
Number of suction cups	cups: 8
Suction cup	description: black rubber, not abrasion resistant
Suction cup diameter	diameter: 240mm
Suitable for lifting	material properties: gastight / non-porous surface: smooth example: glass; plastic boards; ceramic plates; sheet metals; coated boards
Weight of lifter	approx: 590g
Depth of lifter	depth: 182mm
Rotation	rotation: 90° manual left & right lockable
Tilt	tilt: 90° manual
Vacuum system	dual circuit: 1 pump; 2 vacuum reserve tanks
Voltage	pump: 12v DC from rechargeable battery battery charger: 110v/240v 50/60Hz single phase factory selectable
Optional accessories	optional: • Stone pads (455kg) • Curved pads (455kg capacity)



Technical Data (mm)



MRTA611 Dual Circuit



Linear Lifter For Long Glass Panels

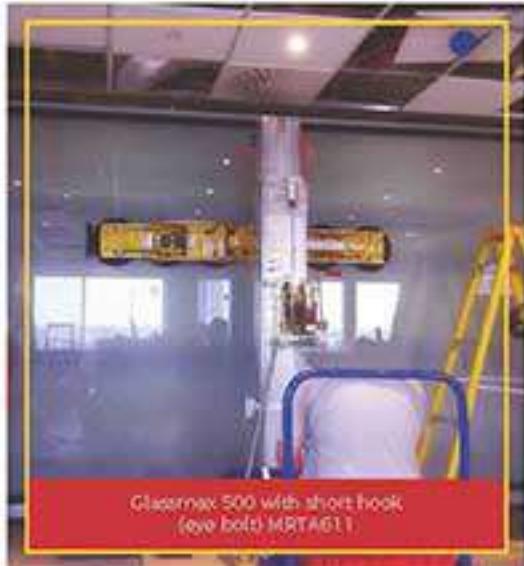
The MRTA611 takes the proven P11104 design and extends it to a six pad lifting length to provide more capacity and load support for longer glass units.

This popular glass vacuum lifter is a convenient tool for lifting glass, metal, ceramics and other non-porous materials. The MRTA611 enables users to quickly manoeuvre loads into position with its 180° lockable rotation and 90° tilt.

The remarkably low profile of the MRTA611 rotator/tilter, provides maximum versatility and ease of use in confined working locations.

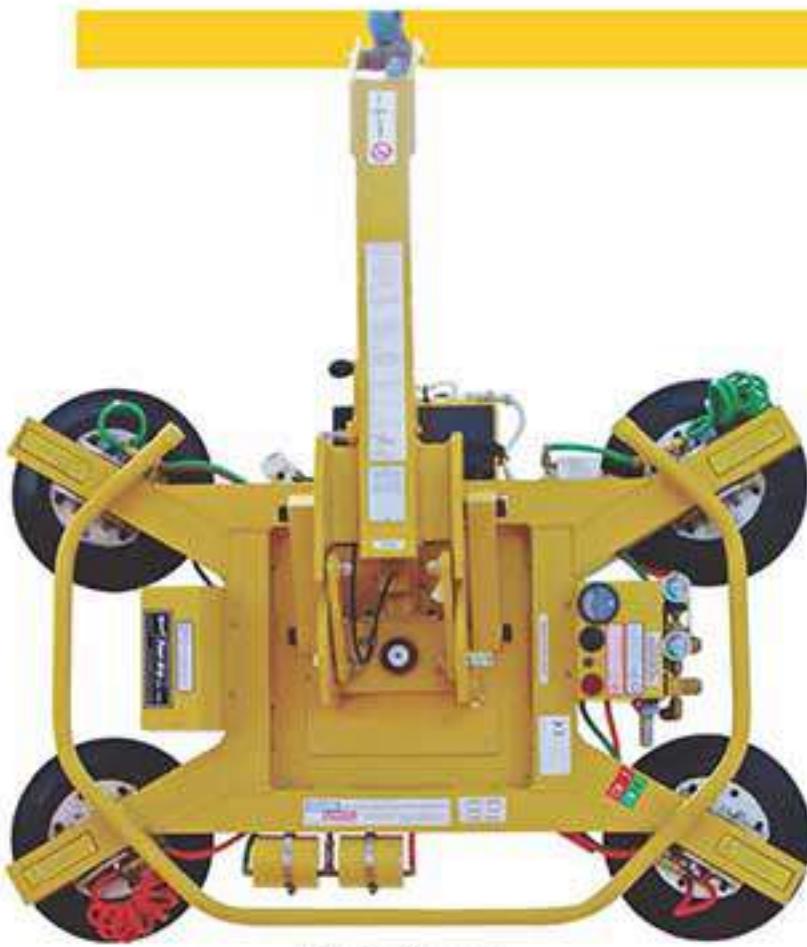
Key Features

- Capacity: 500kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- 90° manual tilting from vertical to horizontal
- Manual 180° lockable rotation
- Integral maintenance-free vacuum pump
- 12V rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Audio-visual low vacuum warning
- On-board control panel

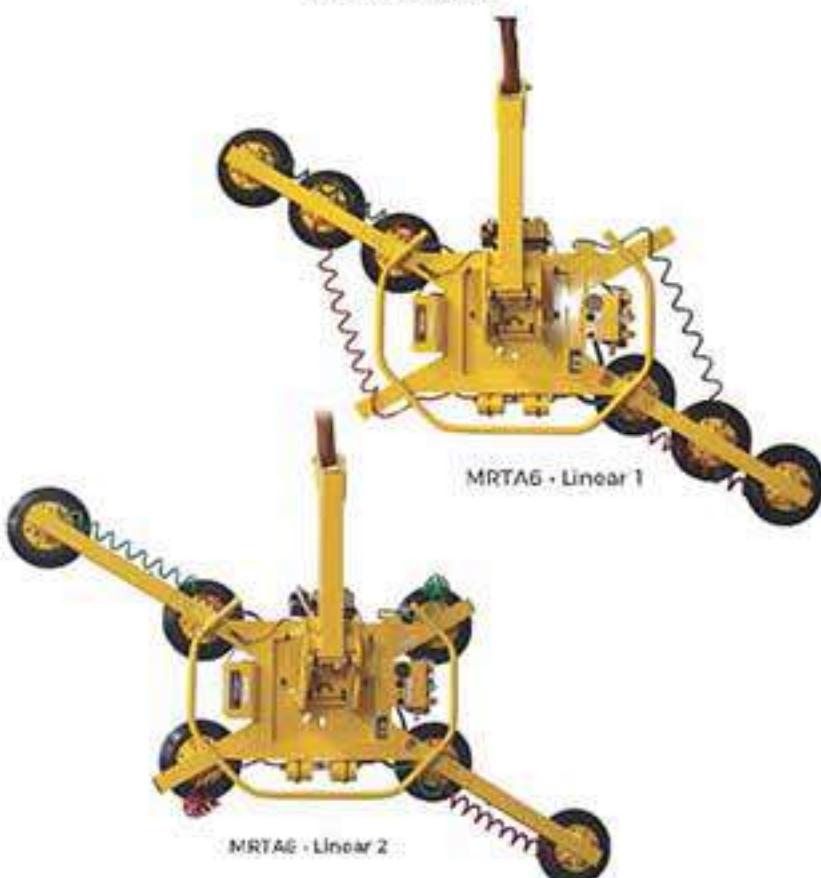


Glazemax 500 with short hook (eye bolt) MRTA611

MRTA6 Dual Circuit



MRTA6 - Compact



Innovative Quadra-Tilt Vacuum Technology

The MRTA6 is the first lifter with 'Quadra-Tilt' - a unique geometric tilt mechanism that provides mechanical assistance to the operator.

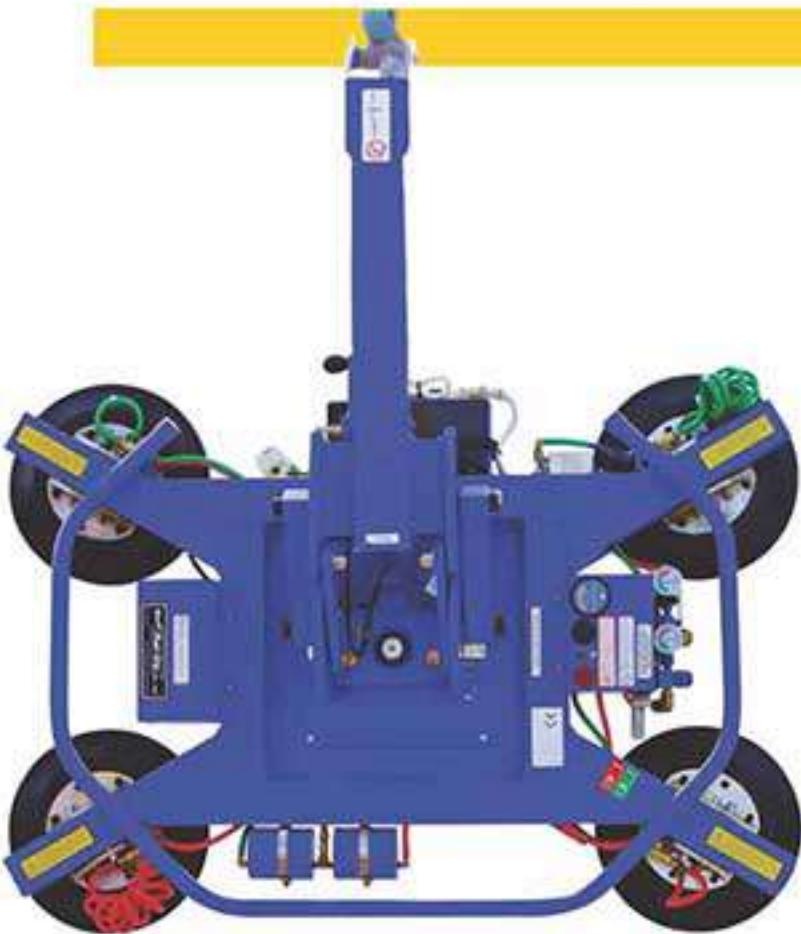
This means that the force needed to tilt a load is less than half that typically required for a lifter that pivots around a single point. When a load is tilted to either the upright or the flat position, the lifter maintains the load automatically without using latches.

The dual circuit MRTA6 also features 360° continuous manual rotation as well as moveable pads and extensions arms that can accommodate a variety of load sizes and shapes.

Key Features

- Capacity: 500kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Mechanically assisted 90° tilt from vertical to horizontal
- Manual 360° rotation (continuous) lockable at eight intermediate positions
- Integral maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and energy gauge
- Audio-visual low vacuum warning
- Four extension arms allow alternative configurations
- 0° and 90° tilting locking latch system
- On-board control panel

StoneVac 405



StoneVac 405 - Compact



StoneVac 405 - Linear 1



StoneVac 405 - Linear 2

All the Power you Need to Lift just about Anything.

The StoneVac 405 has been developed in-house based on the MRTA6 featuring Quadra-Lift technology.

This means that the force needed to tilt a load is less than half that typically required for a lifter that pivots around a single point. When a load is tilted to either the upright or the flat position, the lifter maintains the load automatically without using latches.

The dual circuit StoneVac 405 also features 360° continuous manual rotation as well as moveable pads and extensions arms that can accommodate a variety of load sizes and shapes.

Key Features

- Weight of lifter - 72kg without extension arms, 98kg with extension arms
- Lifting capacity- 405kg
- Powered by - 12V 12A DC battery with 2 high flow pumps.
- Dual Circuit
- No. of suction cups- 4, 6 with extension arms
- Type of pads- Foam lined Stone pads
- Type of Surface - smooth, textured and ribbed surfaces
- Type of material- CRC, GRP, Stone and other semi-porous materials

405kg

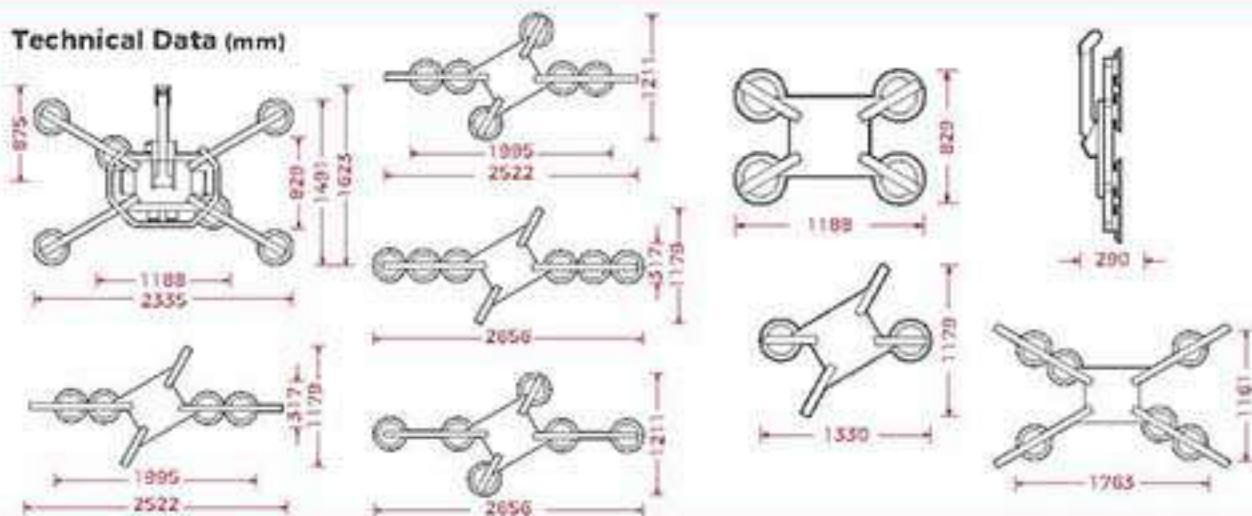
Safe Working Load



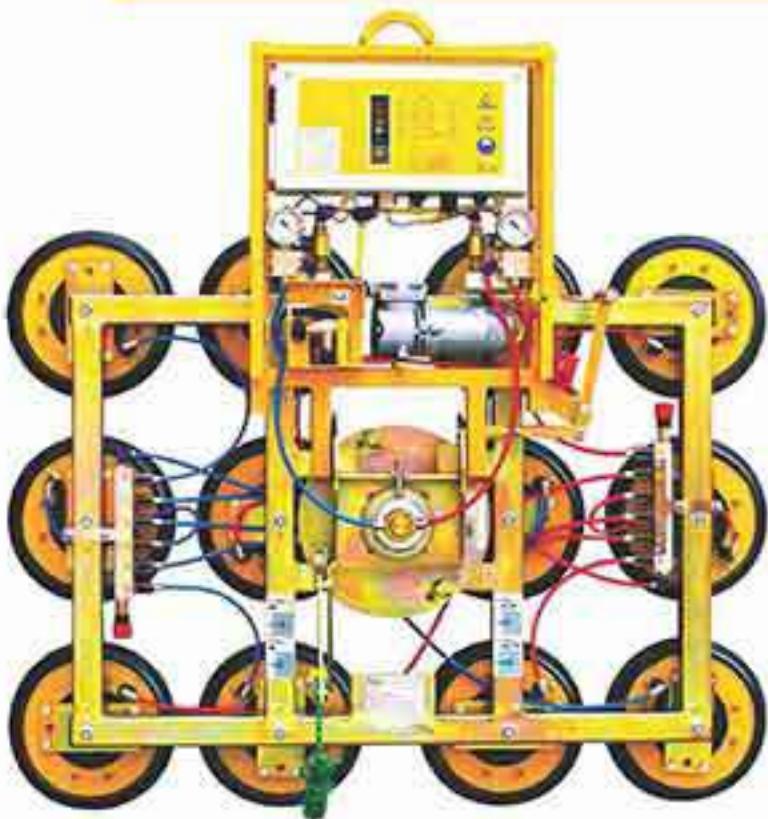
Technical Specifications

Safe working load (smooth, clean surface at 100% vacuum)	capacity: 270kg - 405kg
Number of suction cups	cups: 4 - 6 (with extension arms)
Suction cup	description: Foam tipped stone pads
Suction cup diameter	diameter: 200mm
Suitable for lifting	material properties: semi-porous: surface: smooth, textured and ribbed surfaces example: GRC, GRG, Stone and other semi-porous materials
Weight of lifter	approx: 72kg without extension arms, 98kg with extension arms
Depth of lifter	depth: 290mm
Rotation	rotation: 360° continuous lockable
Tilt	tilt: 90° mechanically assisted & lockable
Vacuum system	dual circuit: 2 pumps, 2 vacuum reserve tanks
Voltage	pump: 12V 12A DC battery with 2 high flow pumps battery charger: 110v/240v 50/60Hz single phase factory selectable
Standard accessories	standard: 4 x extension arms and 2 pads, 0° and 90° tilting locking latch system

Technical Data (mm)



Kombi 7211-DS2



Excellent All-Round Lockable Tilt

An excellent all rounder, this 600kg capacity dual circuit Kombi lifter offers lockable tilting at 15° intervals.

Extension arms and supplementary pads are supplied as standard, giving a 2.8m pad spread for extra stability when handling large pieces of glass. The 7211-DS2 features manual

rotation through 180° and individual pad shut-off valves to help accommodate irregular loads.

Key Features

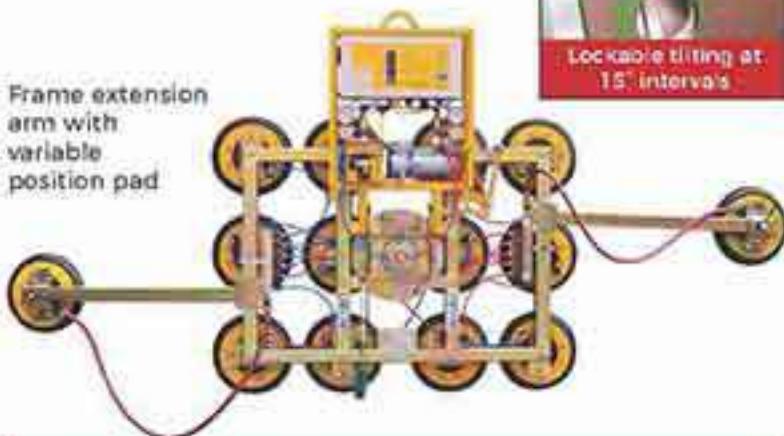
- Capacity: 600kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Manual tilting from vertical to horizontal with lockable 15° increments
- Manual 180° lockable rotation
- Integral maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger, low battery warning and optional mains operation
- Audio-visual low vacuum warning
- Two extension arms with variable position pads supplied as standard
- Individual pads can be isolated to accommodate irregular shapes (reduces safe working load)
- On-board control panel



600kg

Safe Working Load

Frame extension arm with variable position pad



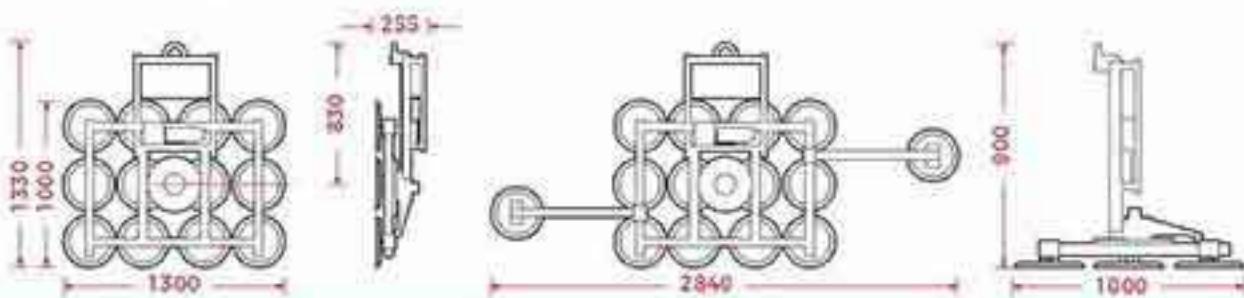
Lockable tilting at 15° intervals

Technical Specifications

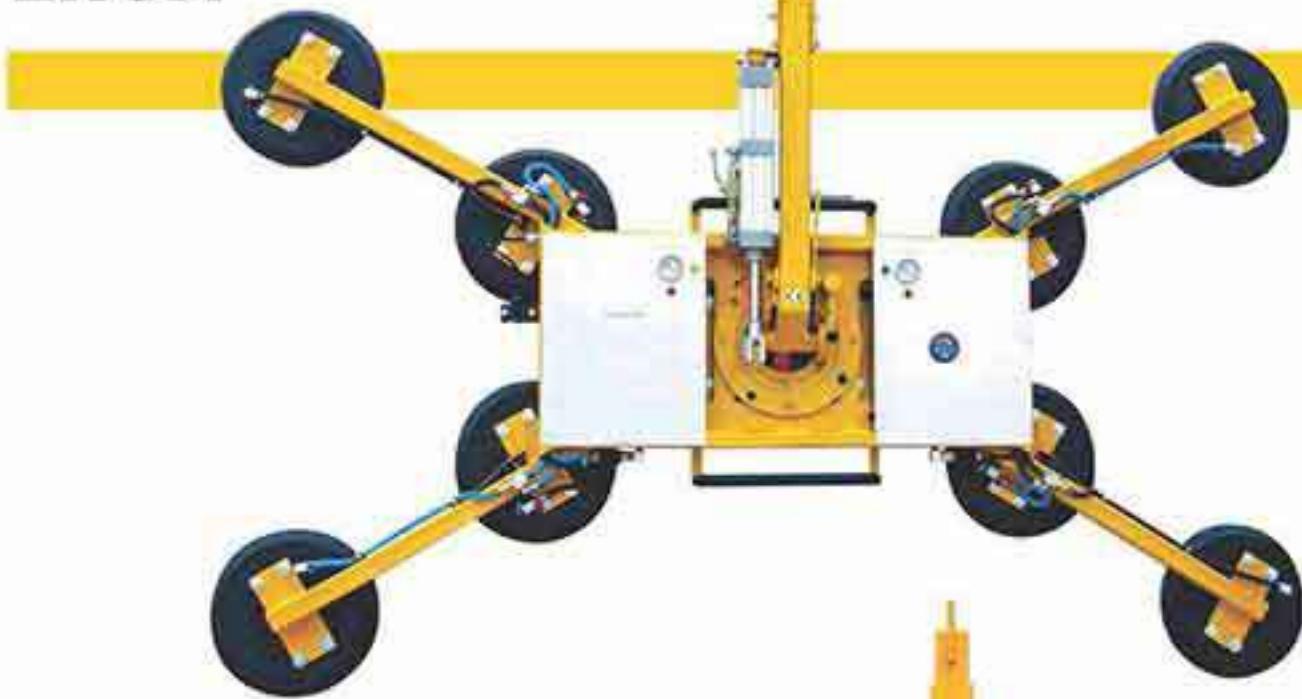
Safe working load	capacity	600kg (6000N, clean surface at 60% vacuum)
Number of suction cups	cups	12 (16 with extend arm)
Suction cup	description	Black rubber, not abrasion resistant
Suction cup diameter	diameter	500mm
Suitable for lifting	material properties	glass / non-porous
	surface example	smooth glass; plastic boards; ceramic plates; sheet metals; coated boards
Weight of lifter	approx.	112kg, 128kg with arms
Depth of lifter	depth	295mm
Rotation	rotation	90° manual left & right lockable
Tilt	tilt	90° lockable (15° increments)
Vacuum system	dual circuit	1 pump, 2 vacuum storage tanks
Voltage	pump	12v DC from rechargeable battery
	battery charger	110v/240v 50/60Hz single phase factory selectable
	mains operation	(110v/240v 50/60Hz single phase)
Standard accessories	standard	2 x extension arms with moveable pads



Technical Data (mm)



DSZ2 Slimline Lifter



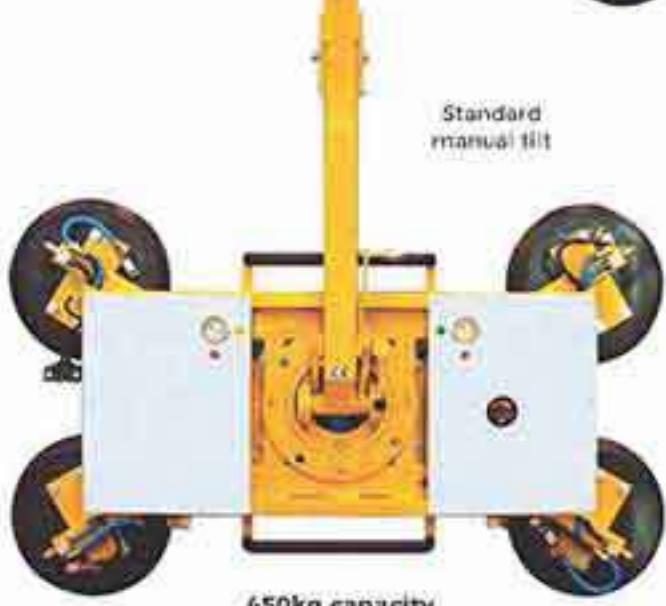
Slender & Powerful Lifter

One of our slimmest lifters at 180mm, the DSZ2 fits in the gap between the building scaffold and envelope.

The DSZ2 is fully featured with manual 360° continuous rotation and 90° tilt (manual and hydraulically damped versions available).

The dual circuit DSZ2 includes four extension arms and pads as standard to raise the maximum capacity from 450kg to 750kg. The lifter can also be supplied with an optional wheeled stand for easy storage and transport.

rotation through 180° and individual pad shut-off valves to help accommodate irregular loads.



Key Features

- Capacity: 750kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Manual or optional hydraulically damped 90° tilting from vertical to horizontal
- Manual 360° lockable rotation (continuous)
- 2 or 4 integral maintenance-free vacuum pumps
- 2 x 12V rechargeable batteries with integral 110V or 240V charger and battery energy gauge
- Audio-visual low vacuum warning
- Four extension arms with pads supplied as standard
- On-board control panel



750kg

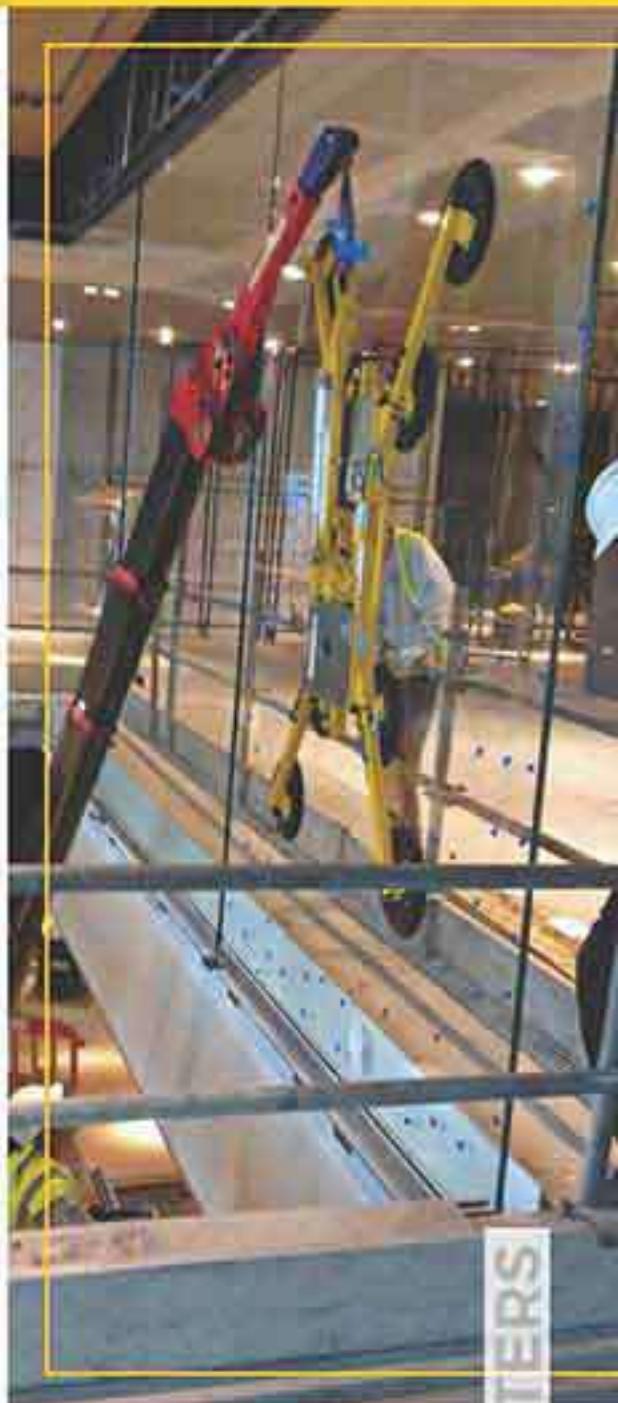
Safe Working Load



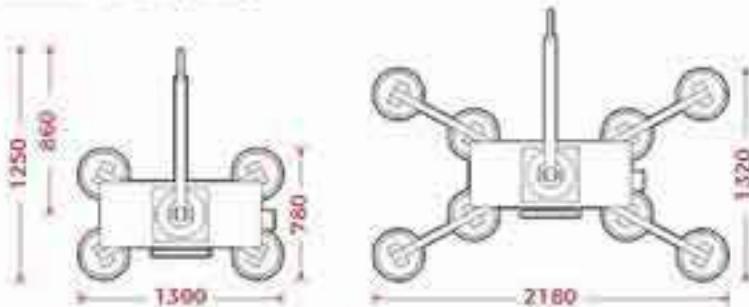
Technical Specifications

Safe working load	capacity	750kg*	450kg
(*smooth, clean surface at 60% vacuum)			
Number of suction cups	cups	10	6
Suction cup	description	black rubber, not abrasion resistant	
Suction cup diameter	diameter	330mm	
Suitable for lifting	material properties	gastight / non porous	
	surface	smooth	
	example	glass, plastic boards, ceramic plates, sheet metal, coated boards	
Weight of lifter	approx.	116kg (with arms)	86kg (without arms)
Depth of lifter	depth	120mm	
Rotation	rotation	360° manual lockable	
Tilt	tilt	90° manual or optional hydraulically damped	
Vacuum system	dual circuit	2 or 6 pumps, 2 vacuum reserve tanks	
Voltage	pump	12V DC from x 2 rechargeable batteries	
	battery charger	110V/240V 50/60Hz single phase factory selectable	
	mains operation	110V/240V 50/60Hz single phase	
Standard accessories	standard	4x extension arms with pads, adjustable tilt bail	
Optional accessories	optional	cable remote control, hydraulically damped tilt	

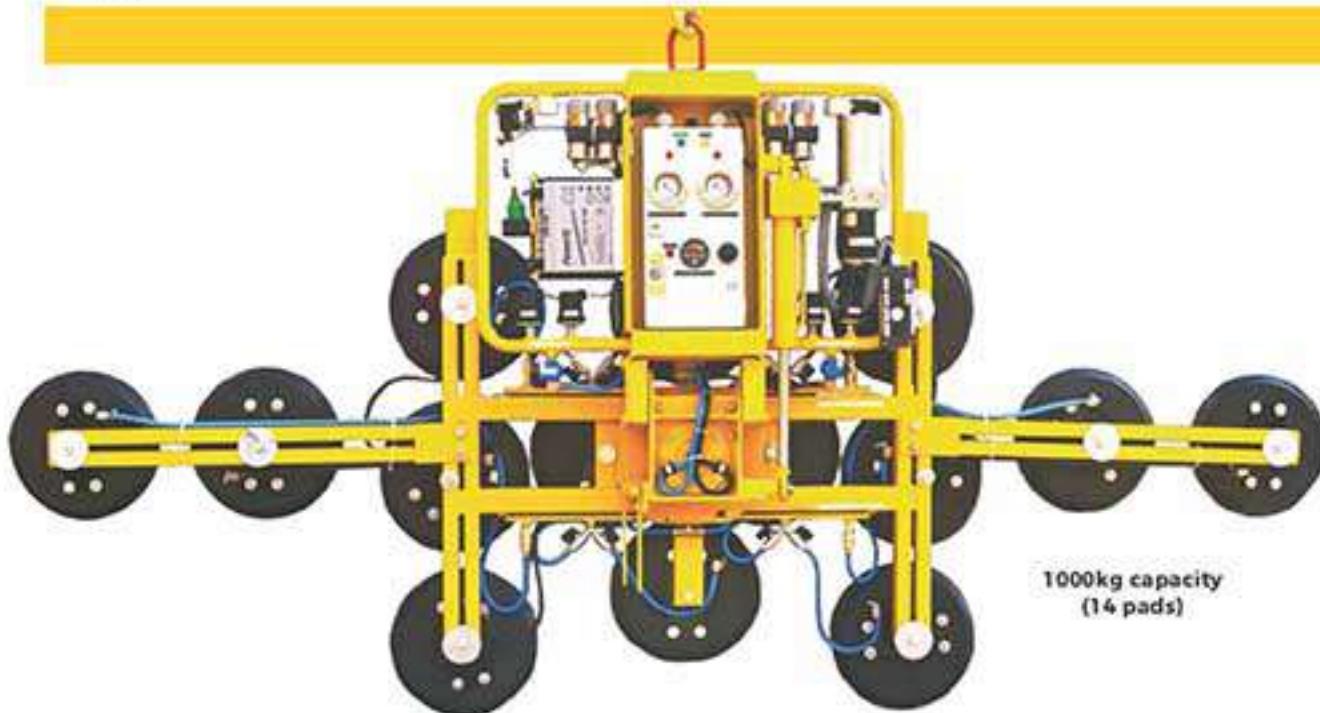
* The capacity is only 750kg with extension arms and 10 pads fitted.



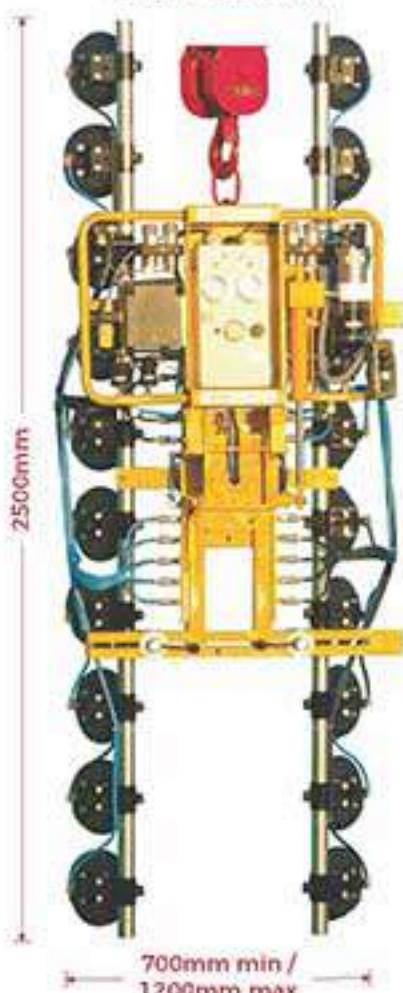
Technical Data (mm)



Hydraulica 1000-A



Optional curved arm
adaptor kit
(Capacity 500kg)



Excellent Hydraulic Tilt Lifting Power

The Hydraulica 1000-A is a versatile ten to fourteen pad lifter that comes with two extension arms as standard, increasing capacity from 750kg to 1000kg and offering additional stabilisation of larger loads.

Glass, metal and non-porous materials can be safely and easily tilted from upright to horizontal position with the Hydraulica's 90° powered tilt function. Manual 135° left and right lockable rotation is also included along with a cable remote control.

Key Features

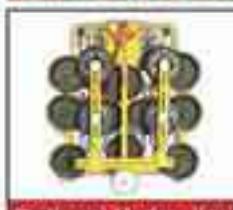
- Capacity: 1000kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Powered hydraulic 90° tilt from vertical to horizontal
- Manual 135° left & right lockable rotation
- Two or four on-board maintenance-free vacuum pumps
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Two extension arms with variable position pads supplied as standard
- Audio-visual low vacuum warning
- Cable remote control as standard
- Individual pads can be isolated to accommodate irregular shapes (reduces safe working load)

1000kg

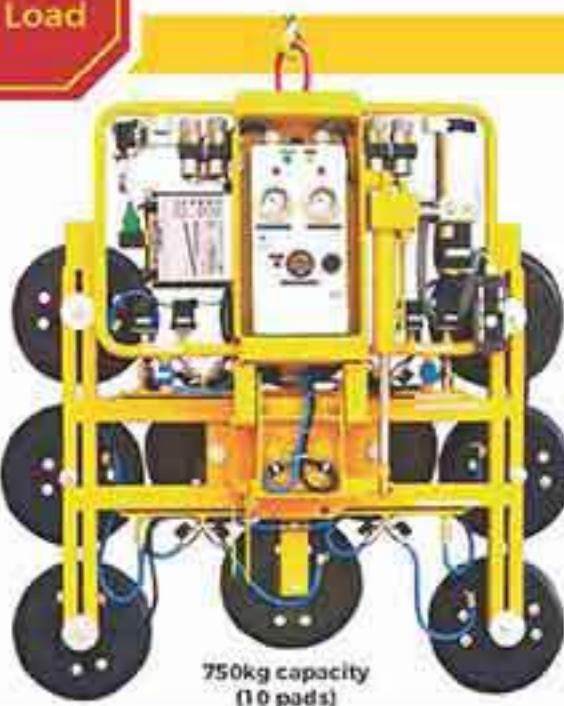
Safe Working Load



Cable remote control as standard



Optional Hydraulics Wheeled trolley

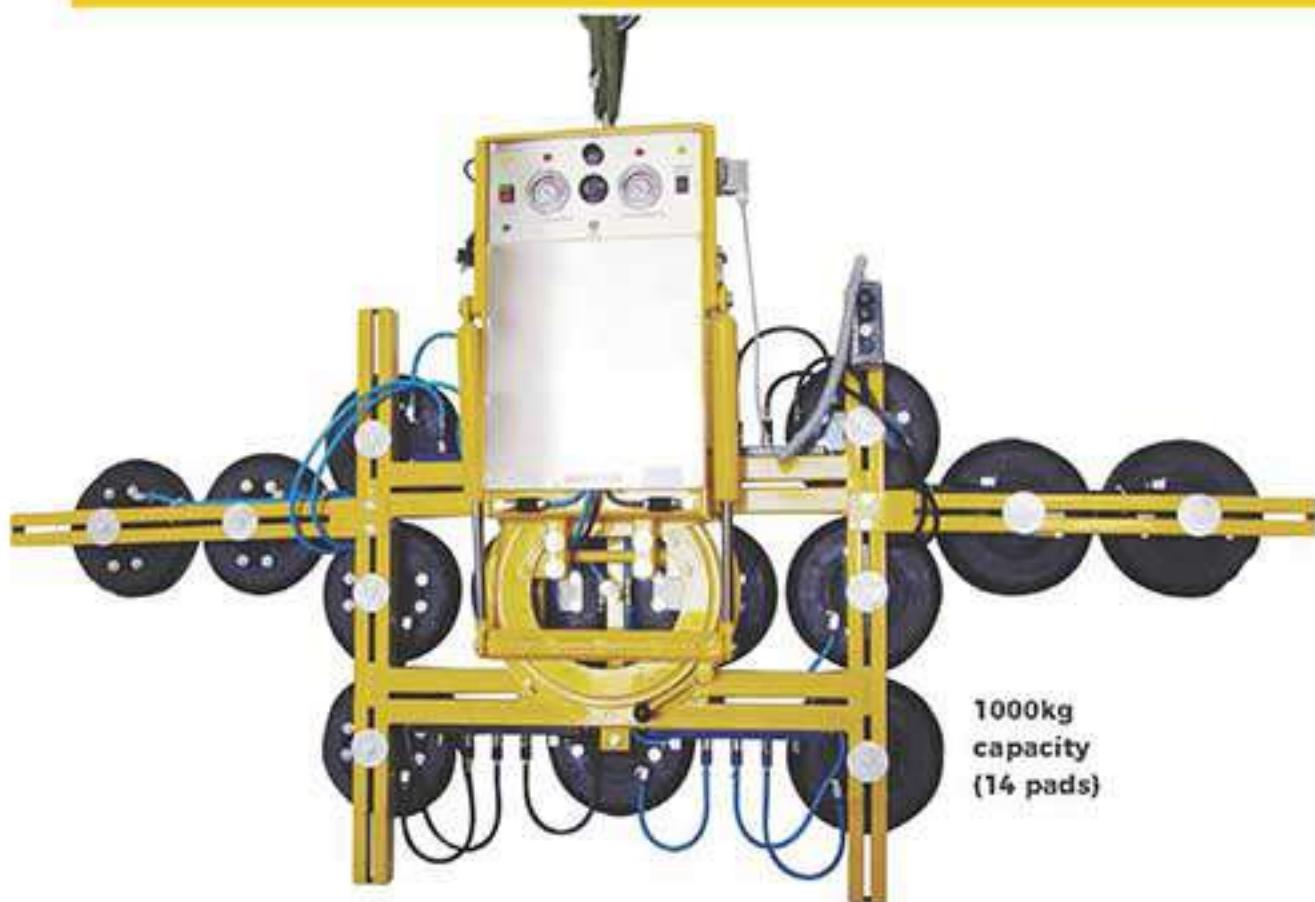
750kg capacity
(10 pads)**Technical Specifications**

Safe working load	capacity:	1000kg*	750kg: <small>(non-abrasive clean surface at 50% vacuum level)</small>
Number of suction cups	cups:	14	10
Suction cup	description:	black rubber, anti-abrasion, resistant	
Suction cup diameter	diameter:	330mm	
Suitable for lifting	material properties:	gas tight / non-porous	
	surface:	smooth	
	example:	glass, plastic boards, ceramic plates, sheet metals, coated boards.	
Weight of lifter	approx:	177kg	120kg <small>(with arms) (without arms)</small>
Depth of lifter	depth:	500mm	
Rotation	rotation:	135° manual left & right lockable	
Tilt	tilt:	90° powered hydraulic	
Vacuum system	dual circuit:	2 or 4 pumps, 2 vacuum reserve tanks	
Voltage	pump:	12V DC from x 2 rechargeable batteries	
	battery charger:	110V/240V 50/60Hz single phase factory selectable	
Standard accessories	standard:	2 x extension arms with pads, cable remote control	
Optional accessories	optional:	2 x curved extension arms with pads (500kg capacity) (increases weight of lifter to 150kg)	

* The capacity is only 1000kg with extension arms and 14 pads fixed

Technical Data (mm)

Hydraulica 1000-B



Key Features

- Capacity: 1000kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Powered hydraulic 90° tilt from vertical to horizontal Manual 135° left & right lockable rotation
- Two or four on-board maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Two extension arms with variable position pads supplied as standard
- Audio-visual low vacuum warning
- Cable remote control as standard
- Individual pads can be isolated to accommodate irregular shapes (reduces safe working load)
- Two hydraulic arms

Powered Tilter With Dual Hydraulic Rams

The Hydraulica 1000-B is the newer version of our popular Hydraulica 1000-A model. The new model is also a versatile ten to fourteen pad lifter that comes with two extension arms as standard, increasing capacity from 750kg to 1000kg and offering additional stabilisation of larger loads.

This newer version also comes with two hydraulic rams for seamless power tilting and a user-friendly enclosed control panel.

Glass, metal and non-porous materials can be safely and easily tilted from upright to horizontal position with the Hydraulica's 90° powered tilt function. Manual 135° left and right lockable rotation is also included as standard along with cable remote control.

1000kg

Safe Working Load



Cable remote control as standard

750kg
capacity
(10 pads)

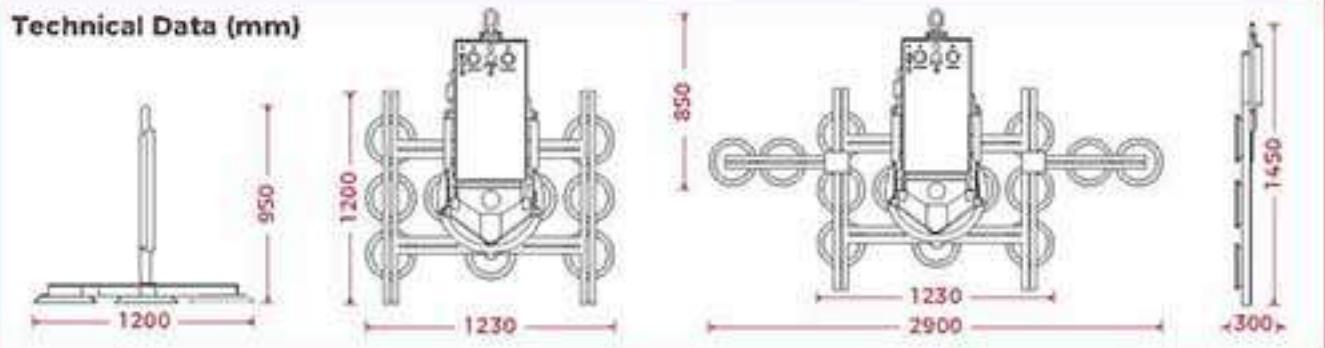


Technical Specifications

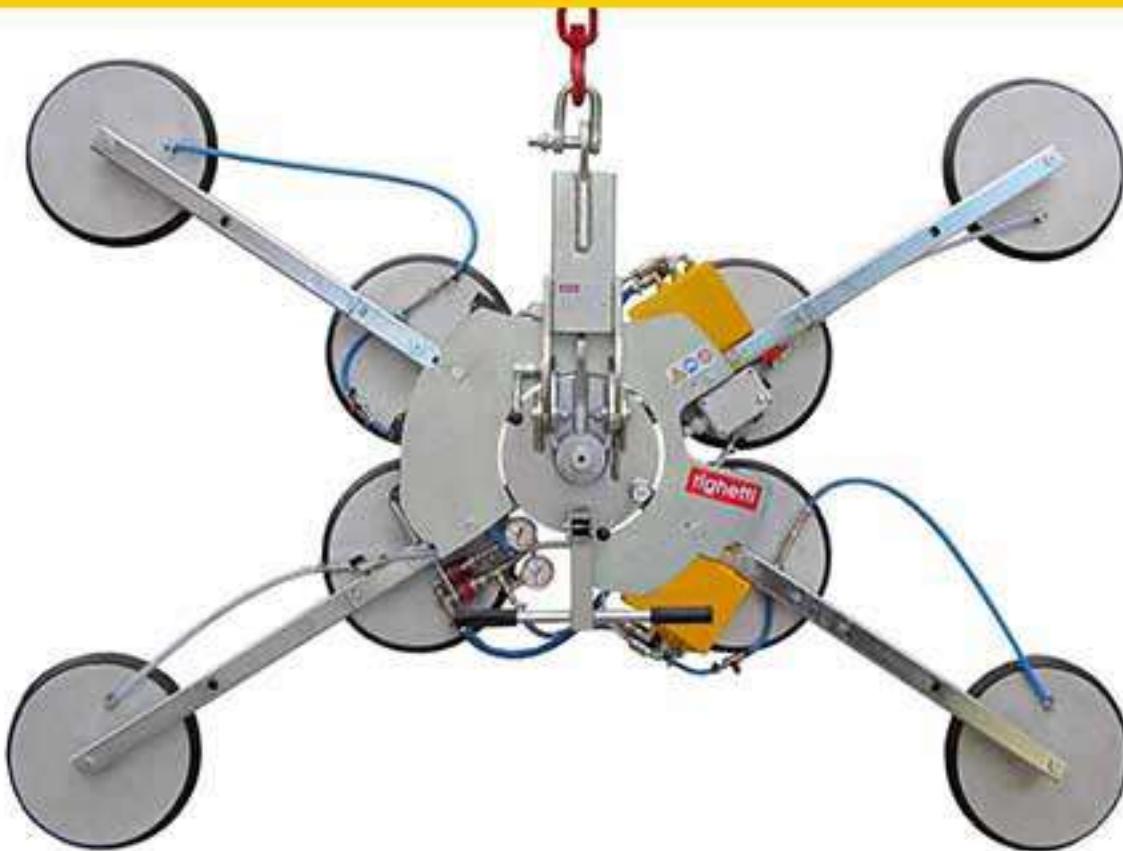
Safe working load	capacity: smooth, clean surface at 600N vacuum)	1000kg*	750kg
Number of suction cups	cups:	14	10
Suction cup	description:	black rubber, not abrasion resistant, heat resistant up to 100°F	
Suction cup diameter	diameter:	350mm	
Suitable for lifting	material properties: surface example:	glass / non-porous smooth glass, plastic boards, ceramic plates, sheet metals, coated boards	
Weight of lifter	approx:	177kg (with arms)	120kg (without arms)
Depth of lifter	depth:	300mm	
Rotation	rotation:	135° manual left & right lockable	
Tilt	tilt:	90° powered hydraulic	
Vacuum system	dual circuit:	2 or 4 pumps, 2 vacuum reserve tanks	
Voltage	pump: battery charger:	12v DC from x.2 rechargeable batteries 110v/240v 50/60Hz single phase factory selectable	
Standard accessories	standard:	2 x extension arms with pads, cable remote control	
Optional accessories	optional:	2 x curved extension arms with pads (500kg capacity), wheeled stand, radio remote control, low marking pads	

* The capacity is only 1000kg with extension arms and 14 pads fitted.

Technical Data (mm)



Maxgrip Plus 1200



The Maxgrip Plus 1200 lifter is a more flexible version of the popular Maxgrip unit.

This unit has even more configuration options for a larger application range. The Maxgrip Plus has the same large pad spread, and includes all the same features such as multi-lockable rotation, a smart control system and multiple lifting points to better stabilize the load. It also features pad-side valving to allow for rapid connection and disconnection from the load.

The lifter features large diameter pads, which allows the unit to handle heavy loads with fewer pads.

Key Features

- Capacity: 1200kg
- Dual vacuum circuit
- 90° tilt
- 360° lockable rotation
- Ø 310mm or 390mm suction pads
- Battery Operated
- Modular frame

Technical Specifications

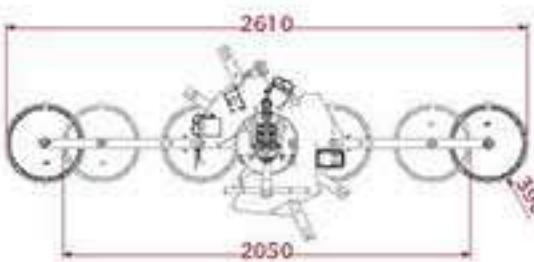
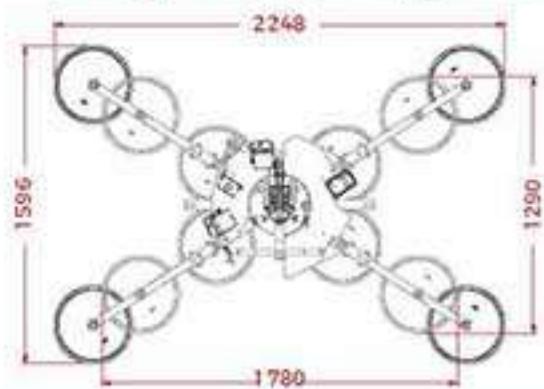
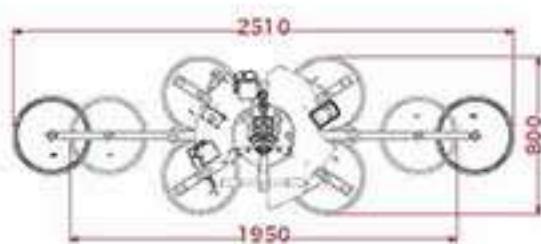
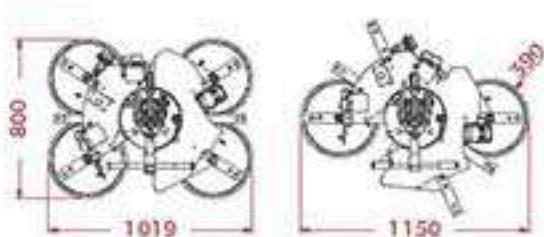
Safe working load	capacity:	300kg	600kg	1200kg
Smooth, clean surface at 60% vacuum)				
Number of suction cups	cups:	2	4	8
Suction cup	description:	black rubber, not abrasion resistant		
Suction cup diameter	diameter:	390mm		
Suitable for lifting	material properties: surface: example:	flat gastight / non-porous smooth glass; plastic boards; sheet metals; coated boards		
Weight of lifter	approx:	70kg	80kg	117kg
Depth of lifter	approx:	250mm		
Rotation	rotation:	360 degree rotation, 45 degree lockable		
Tilt	tilt:	90 degree manual, lockable at 0 degrees and 90 degrees		
Vacuum system	dual circuit:	1 pump, 2 vacuum reserve tanks		
Voltage	pump: battery charger:	12v DC from rechargeable battery 240v single phase		
Optional accessories	optional:	• Extension Arms • Fixed Stand		

1200kg

Safe Working Load



Technical Data (mm)



Maxgrip 1200



The Maxgrip 1200 vacuum lifter is an ideal choice for larger panels.

The lifter has a large pad spread, and includes a raft of features such as multi-lockable rotation, a smart control system and multiple lifting points to better stabilize the load. It also features pad-side valving to allow for rapid connection and disconnection from the load.

The lifter features large diameter pads, which allows the unit to handle heavy loads with fewer pads.



Lowered suspension for installation of transom windows offers a coupling point in the center of the lifter, allowing a reduced distance of the hook.

Technical Specifications

Safe working load	capacity	600kg	1200kg
Smooth, clean surface at 60% vacuum			
Number of suction cups	cups	4	8
Suction cup	description	black rubber, not abrasion resistant	
Suction cup diameter	diameter	390mm	
Suitable for	material properties	flat gastight / non-porous	
Lifting	surface	smooth	
example: glass, plastic boards, sheet metals, coated boards			
Weight of lifter	approx.	75kg	117kg
Depth of lifter	approx.	250mm	
Rotation	rotation	360 degree rotation 45 degree lockable	
Tilt	tilt	90 degree manual, lockable at 0 degrees and 90 degrees	
Vacuum system	dual circuit	1 pump, 2 vacuum reserve tanks	
Voltage	pump	12v DC from rechargeable battery	
	battery charger	240v single phase	
Optional accessories	optional	• Extensions Arms • Fixed Stand	

Key Features

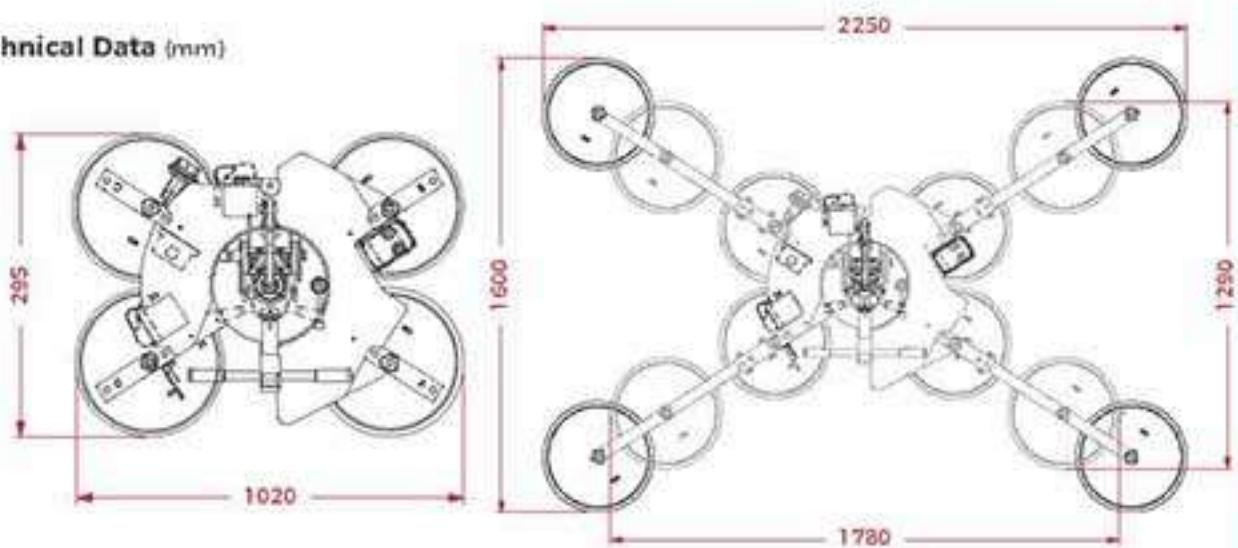
- Lifting capacity max 1200 kg
- Dual vacuum circuit
- Vacuum tank
- 8 Larger suction pads Ø 390 mm
- Removable pad arms
- Battery operating system
- Manual continues 360° rotation
- Manual 90° tilt
- Low vacuum warning device
- Compact and slim frame
- Acoustic and Visual Alarm
- Suspension for obtaining various angles
- Tilting block at 0° and 90° available on all models with manual tilt
- Double action off command

1200kg

Safe Working Load



Technical Data (mm)



Hydraulica 2000 - A



Boasting Two Tonnes Of Lifting Power

One of the most powerful vacuum lifters in the industry, the Hydraulica 2000 comes with a huge 2000kg capacity for lifting heavy-duty glass, metal, plastics and more.

Boasting 210° powered rotation alongside powered hydraulic tilt from vertical to horizontal, the Hydraulica 2000 gives operators ultimate control when lifting heavy loads.

Perfect for lifting large format glass and non-porous plate materials, the Hydraulica 2000 has four to six individual vacuum pumps and low vacuum alert system for added safety.

Cable remote control is included for operation of vacuum suction and release, as well as hydraulic tilt.

Key Features

- Capacity: 2000kg
- Dual circuit vacuum system with four to six on-board maintenance free pumps
- Powered hydraulic 90° tilt from vertical to horizontal
- Powered hydraulic 210° rotation
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Audio-visual low vacuum warning
- Cable remote control as standard
- Wheeled stand for transport and storage available
- Individual pads can be isolated for irregular units (reduces safe working load)

2000kg

Safe Working Load

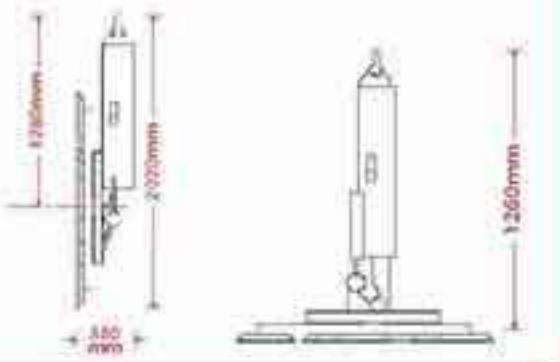
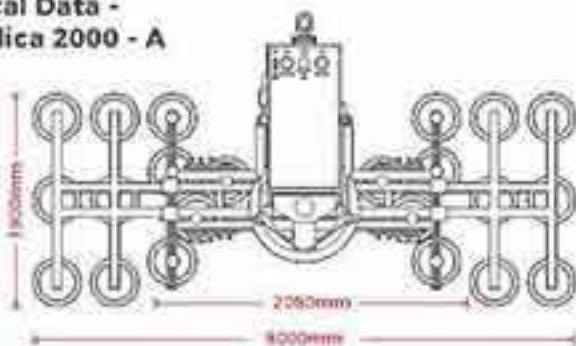


Technical Specifications

Safe working load	capacity	2000kg*	1050kg
[annulus, film surface at 0.01% vacuum]			
Number of suction cups	cup no.	26	14
Suction cup	description	black rubber, not abrasion resistant	
Suction cup diameter	diameter	350mm	
Suitable for lifting	material properties	smooth / non-porous	
	surface	smooth	
	example	glass, plastic boards, ceramic plates, sheet metals, coated boards	
Weight of lifter	approx.	500kg	500kg
Depth of lifter	depth	580mm	
Rotation	rotation	10° Left & Right powered Hydraulic	
Tilt	tilt	90° powered hydraulic	
Vacuum system	dual circuit	4 to 6 pumps, 2 vacuum reserve tanks	
Voltage	pump battery charger	12v DC from rechargeable batteries 110V, 40V 50/60Hz single phase factory selectable	
Standard accessories	standard	cable remote control, extension arms with pads (increasing the capacity from 1050kg to 2000kg), wheeled stand	

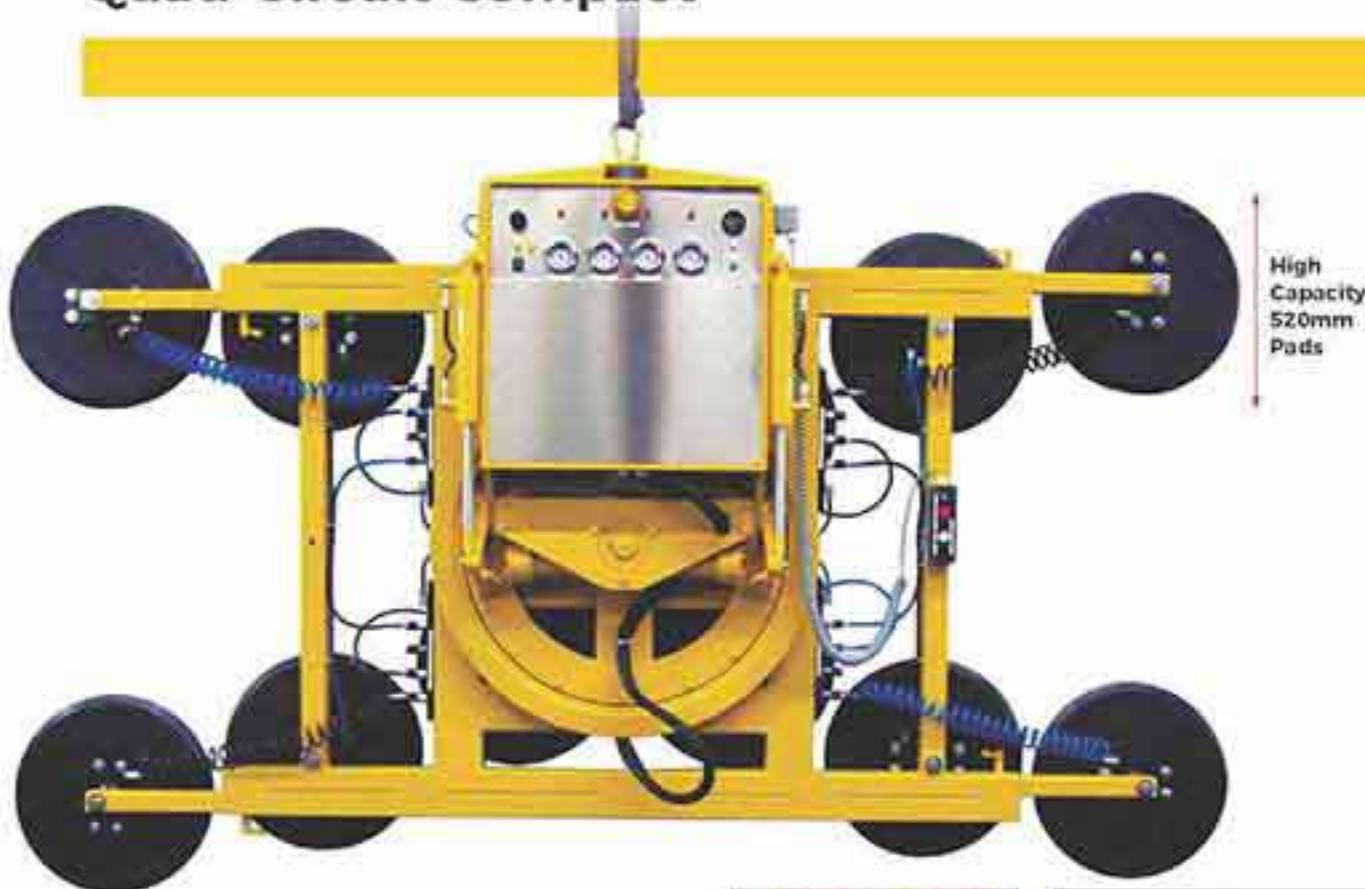
* The capacity is 2000kg with extension arms and 26 pads fitted

Technical Data - Hydraulica 2000 - A



Hydraulica 2600

Quad-Circuit Compact

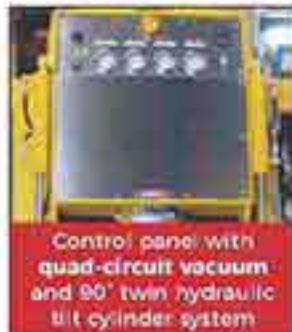


Quad-Circuit Heavy-Duty Lifting Power

Bringing the latest in modern vacuum lifting technology to the market, the Hydraulica 2600 Quad-Circuit Compact boasts four independent vacuum circuits for quicker, safer and more efficient lifting performance on site.

Retaining all the benefits of our standard Hydraulica 2500 lifter, the innovative Hydraulica Quad-Circuit also has a more compact frame for lifting glass under tricky soffits and overhangs, as well as larger 520mm vacuum pads to achieve quicker vacuum suction.

Features 210° powered rotation and 90° hydraulic tilt for easy control of heavy loads.



Control panel with quad-circuit vacuum and 90° twin hydraulic tilt cylinder system



Wheeled stand as standard

Key Features

- Capacity: 2600kg
- Four vacuum circuits with 4 on-board maintenance free vacuum pumps
- Powered 210° lockable rotation
- 90° hydraulic tilting
- Audio-visual low vacuum alert
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Wheeled stand for transport and storage available
- Cable remote control as standard, optional radio remote
- Individual pads can be isolated for irregular units
- Sliding extension arms



High Capacity Pads



Remote Controls

2600kg

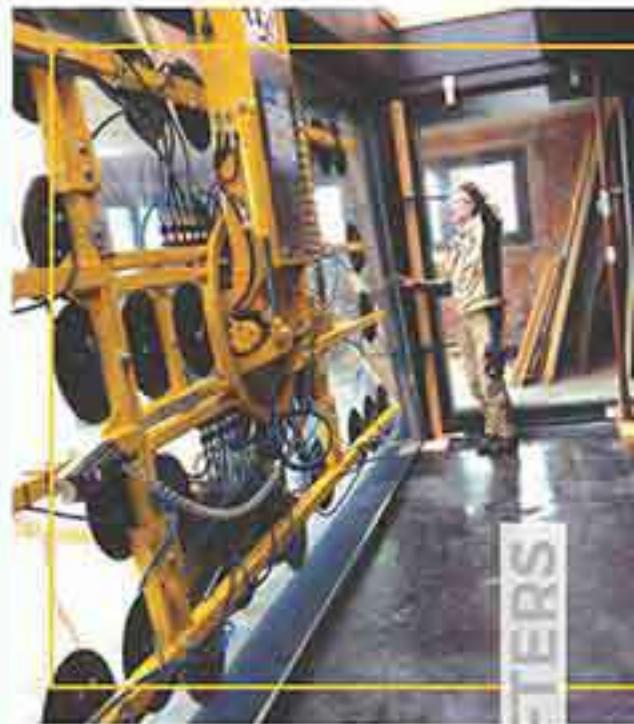
Safe Working Load



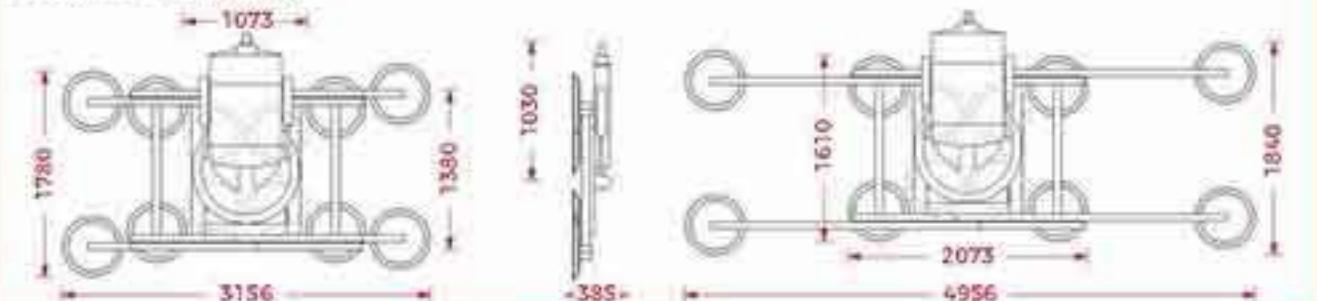
Technical Specifications

Safe Working load <small>smooth, clean surfaces at 60% vacuum</small>	capacity	2600kg*	1850kg
Number of suction cups	cups	12	8
Suction cup	description	Black rubber, not abrasion-resistant	
Suction cup diameter	diameter	520mm	
Suitable for lifting	material properties: surface example	gas-tight / non-porous smooth glass, plastic boards, ceramic plates, sheet metal, coated boards	
Weight of lifter	approx.	64kg myth 12 pads	
Depth of lifter	depth	580mm	
Rotation	rotation	105° left & right powered Hydraulic	
Tilt	tilt	50° powered Hydraulic	
Vacuum system	dual circuit:	+ pneumatic + vacuum negative pressure	
Voltage	pump battery charge	12v DC from rechargeable batteries 110V/240V 50/60Hz single phase factory selectable	
Standard accessories	standard	cable remote control, extension arms, wheeled trolley	

* The capacity is 2000kg with extension arms and 12 pads fitted



Technical Data (mm)



Kombi 7211-DSG



Flexible Swivel Pads For Curved Surfaces

The Kombi 7211-DSG is designed for handling concave and convex glass, plastics and insulating panels with a minimum radius of 1000mm.

The 7211-DSG's pad arms are able to swivel to the required radius for either concave or convex units and are adjustable in width to assure positive surface contact.

Key Features

- Capacity: 200-250kg
- Dual vacuum circuit
- 90° manual tilt from vertical to horizontal with lockable 15° increments
- Manual 180° lockable rotation
- On-board maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Vacuum reserve tanks
- Audio-visual low vacuum warning
- Pad arms swivel for handling both concave and convex materials
- Visual low battery warning
- On-board control panel

Kombi 7011-DSG



Flexible Swivel Pads For Curved Surfaces

The Kombi 7011-DSG is designed for handling concave and convex glass, plastics and insulating panels with a minimum radius of 1000mm.

The 7011 DSG's pad arms are able to swivel to the required radius for either concave or convex units and are adjustable in width to assure positive surface contact.

Key Features

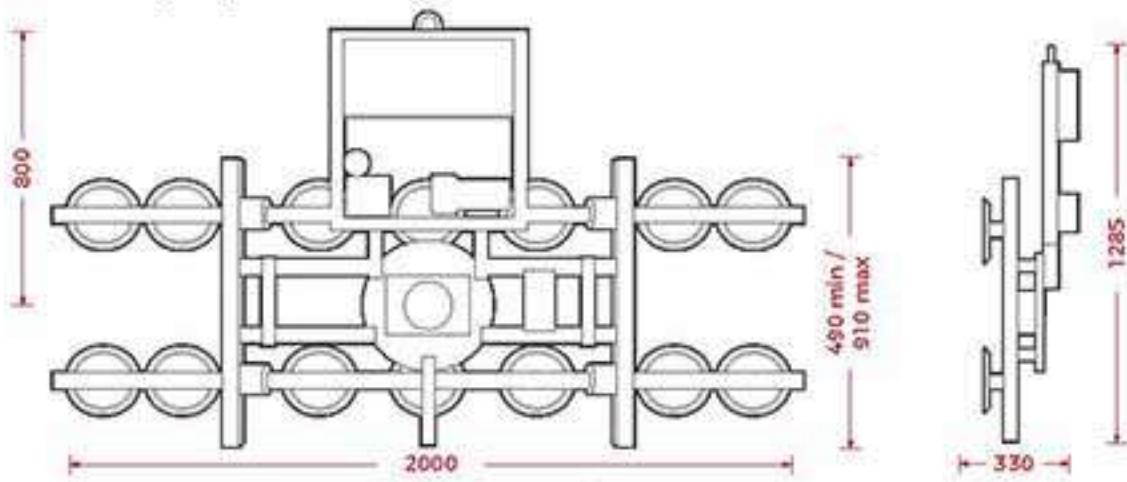
- Capacity: 400kg
- Single vacuum circuit
- 90° manual tilt from vertical to horizontal with lockable 15° increments
- Manual 180° lockable rotation
- On-board maintenance-free vacuum pump
- 12v rechargeable battery with integral 110v or 240v charger and battery energy gauge
- Vacuum reserve tanks
- Audio-visual low vacuum warning
- Pad arms swivel for handling both concave and convex materials
- Visual low battery warning
- On-board control panel

400kg

Safe Working Load

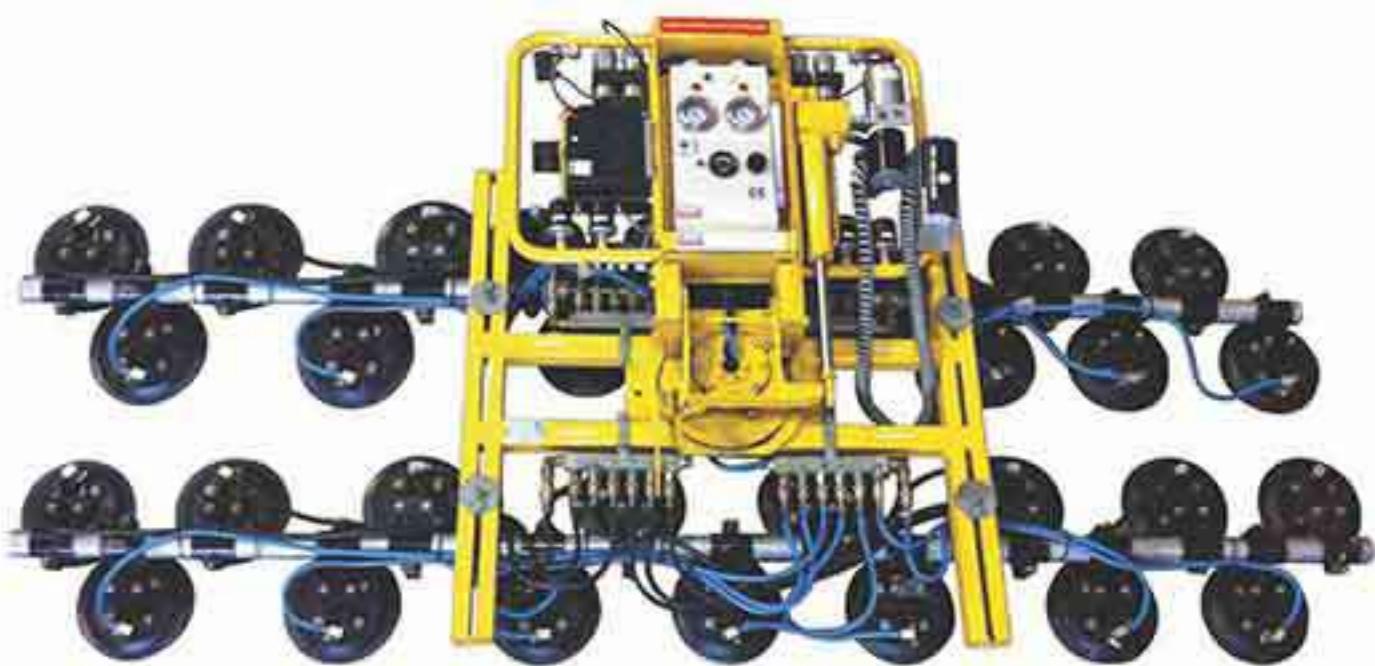
**Technical Specifications**

Safe working load	capacity:	400kg (smooth, clean surface at 60% vacuum)
Number of suction cups	cups:	14
Suction cup	description:	black rubber, not abrasion resistant
Suction cup diameter	diameter:	200mm
Suitable for lifting	material:	curved/gastight / non-porous from flat to 1000mm radius concave or convex
	properties:	smooth or slightly structural
	example:	glass, plastic boards, sheet metals, coated boards
Weight of lifter	approx:	85kg (with 14 pads)
Depth of lifter	depth:	550mm
Rotation	rotation:	90° manual left & right lockable
Tilt	tilt:	90° lockable (15° increments)
Vacuum system	single circuit:	1 pump, 2 vacuum reserve tanks
Voltage	pump:	12v DC from rechargeable battery
	battery charger:	110v/240v 50/60Hz single phase factory selectable
	mains:	110v/240v 50/60Hz single phase
Optional accessories	optional:	bespoke frame sizes

**Technical Data (mm)**

Special length frame options are available

Hydraulica 900C



Curved Glass Lifting Made Easy

Effortlessly lift, tilt and rotate curved glass with the Hydraulica 900C bespoke vacuum lifter.

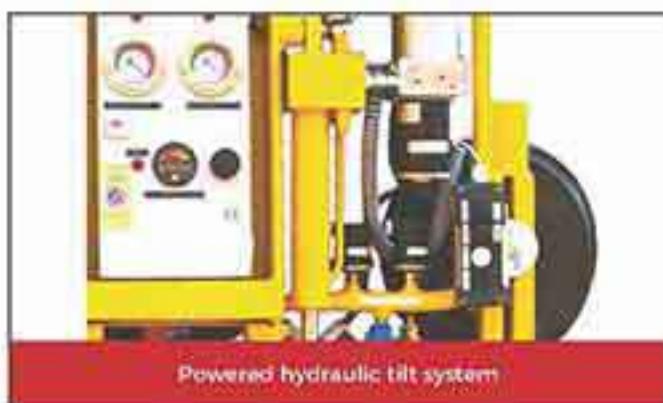
This mid-capacity model offers 900kg of lifting power and uses 30 vacuum cups set across two swivel arms to securely attach to convex or concave surfaces.

Like our other Hydraulica models, the 900C benefits from powered 90° tilt for smooth unloading and positioning of the glass, making it an ideal machine for installing revolving doors and curved glass units.

Safety features include two independent vacuum systems and low vacuum alarm to ensure the glass is always securely attached to the lifter.

Key Features

- Capacity: 900kg
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Powered 90° hydraulic tilt
- Manual 270° lockable rotation
- Two or four on-board maintenance free vacuum pumps
- 12v rechargeable battery with integral 110v or 240v charge and battery energy gauge
- Audio-visual low vacuum warning
- Cable remote control as standard



Powered hydraulic tilt system



Flexible pads and swivel arms to attach to convex or concave loads

900kg

Safe Working Load



Technical Specifications

Safe working load	capacity: 900kg (smooth, clean surface at 60% vacuum)
Number of suction cups	cups: 30
Suction cup	description: black rubber, not abrasion resistant
Suction cup diameter	diameter: 220mm
Suitable material properties for lifting	material: gastight / non-porous surface: smooth example: glass, plastic boards, sheet metals, coated boards
Weight of lifter	approx: 210kg
Depth of lifter	depth: 300mm
Rotation	rotation: 135° manual left & right lockable
Tilt	tilt: 90° hydraulic
Vacuum system	single circuit: 2 or 4 pumps, 2 vacuum reserve tanks
Voltage	pump: 12V DC from rechargeable battery battery charger: 110v/240v 50/60Hz single phase factory selectable
Standard accessories	standard: cable remote control
Optional accessories	optional: radio remote control, wheeled trolley

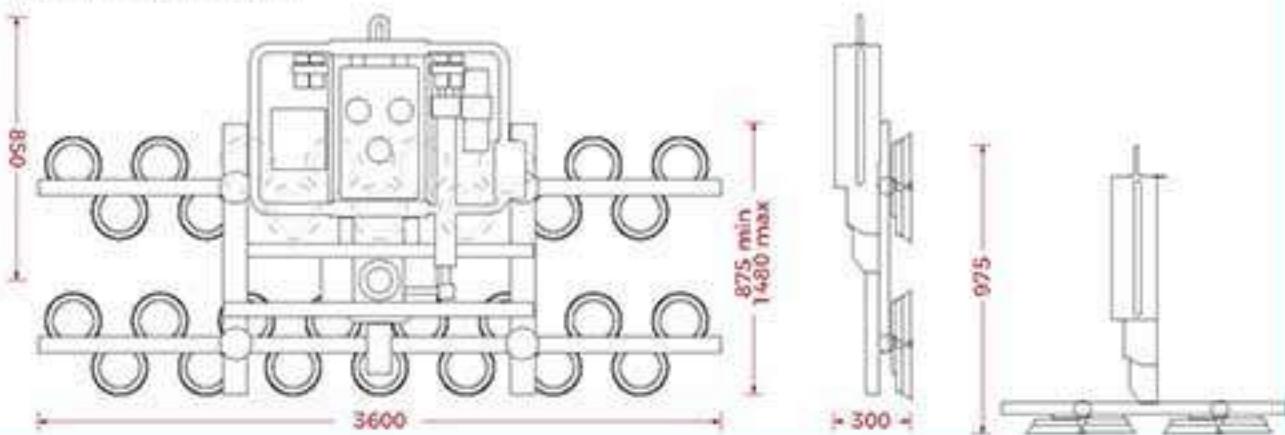


Cable remote control as standard



Dual circuit vacuum system

Technical Data (mm)



CL1-6 Vacuum Cladding Lifter



The CL1-6 is a dual circuit vacuum cladding lifter designed specifically for the lifting and installation of wall and roof panels.

The CL1-6 features both tilting and rotation mechanisms to safely lift panels in both horizontal and vertical orientations. Suction pads are adaptable to many cladding panel surfaces common for roofing and wall cladding, as well as used in cold-store construction. Such as flat, micro-rib and trapezoidal. The CL1 is a highly adaptable unit, utilizing the included extensions allows the lifter to fit a wide variety of applications.

Key Features

- Lifting capacity max 400 kg
- 6 suction pads
- Battery self powered
- Quick change battery pack
- Tilting system from horizontal to vertical
- Rotating system
- Low vacuum warning device
- Configuration for wall and for roof installation

Technical Specifications

Application	Installation of sandwich panels • Horizontal and vertical wall panels • Roof panels Flat, micro rib or trapezoidal panels
Lifting capacity	• 400kg max for roof installation • 400kg max for wall installation
Suction pads	• 6 rectangular pad mm 800x120 • Special quick change gasket seals
Load movement	• Tilting 0-90° • Rotating 90°
Operating system	• DC vacuum pump powered from on-board batteries • High capacity re-chargeable batteries • battery gauge • Quick change battery pack
Vacuum system	2 independent vacuum circuits, each vacuum circuit with vacuum reserve and non return valve
Weight of lifter	190kg
Control	• Slider valve for suction / release • Release of the load by dual action security command • Radio remote control for suction / release on request
Standard features	• Audible and visual low vacuum warning devices • Vacuum gauge for each vacuum circuit • Battery charger 240 Volt • Lockable vertical and horizontal tilting
Standard Accessories	• 2 extension arms to extend the frame up to 4 mtr. • Spare battery charge pack • External charger

The CL1 permits to lifting and handling of panels for wall and roof installation with varying panel length and shape.

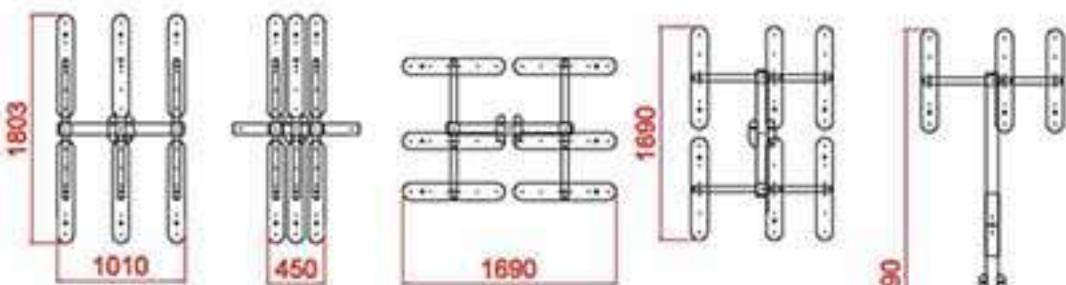
Dual Vacuum Circuit for construction site use built to EN13155 standard

400kg

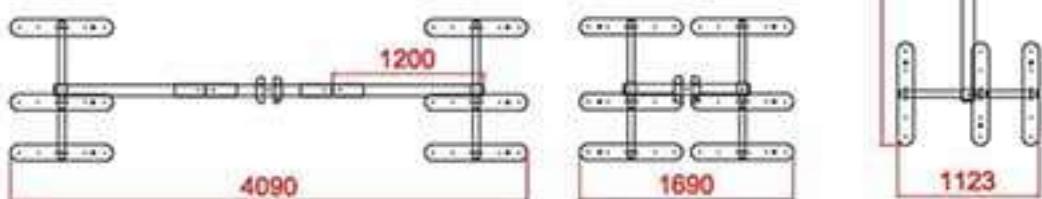
Safe Working Load



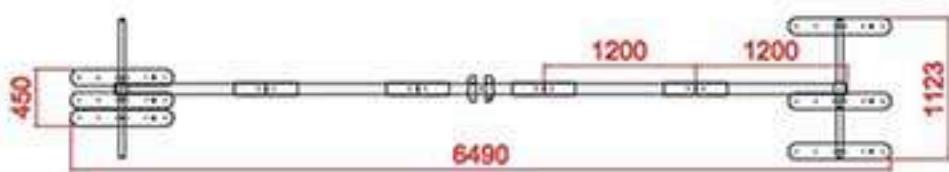
Wall Configuration



Roof Configuration



Roof Configuration with additional extensions



Fin Lifter 1800



A Truly Impressive Fin Lifting Machine

With an impressive 9m length body, this innovative glass lifting machine is perfect for handling long format glazing fins which have become a growing architectural trend.

This flexible lifter also has a fully adjustable frame to suit shorter pieces of glass, offering customers the choice of 3000mm (600kg), 6000mm (1200kg) or 9000mm (1800kg) configurations.

Glass mullion systems and glazing fin systems can be safely and quickly installed thanks to the Fin Lifter's powered hydraulic 90° tilt and 360° powered rotation.

Extra safety features include 2 independent vacuum circuits so glass is held securely in place during the unlikely event that one circuit fails. A pendant cable remote control is provided as standard.

Technical Specifications

Safe working load (smooth, clean surface at 60% vacuum)	capacity:	1800kg	1200kg	600kg
Number of suction cups:	cups:	24	16	8
Suction cup	description:	black rubber, not abrasion resistant		
Suction cup diameter	diameter:	300mm		
Suitable for lifting	material properties: surface: example:	gaslight / non-porous smooth long format fin glass		
Length of lifter	approx:	9000mm	6000mm	3000mm
Weight of lifter	approx:	550kg	492kg	372kg
Depth of lifter	depth:	330mm		
Rotation	rotation:	360° powered		
Tilt	tilt:	90° powered hydraulic		
Vacuum system	dual circuit:	dual circuit with reserve tank		
Voltage	pump: battery charger:	12v DC from rechargeable battery 110v/240v 50/60Hz single phase factory selectable		
Standard accessories	standard:	pendant (cable) remote control, extension arms		

Key Features

- 1800kg capacity (24 pads, 9000mm length)
- 1200kg capacity (16 pads, 6000mm length)
- 600kg capacity (8 pads, 3000mm length)
- 360° continuous powered rotation
- 90° hydraulic powered tilt
- Dual circuit vacuum system with reserve tank, non-return valve and vacuum gauge for each circuit
- Pendant cable remote control as standard
- Audio-visual low vacuum warning
- Depth of lifter: 330mm



1800kg

Safe Working Load

Short Configuration
3000mm Length,
600kg capacity



Cable remote control comes as standard

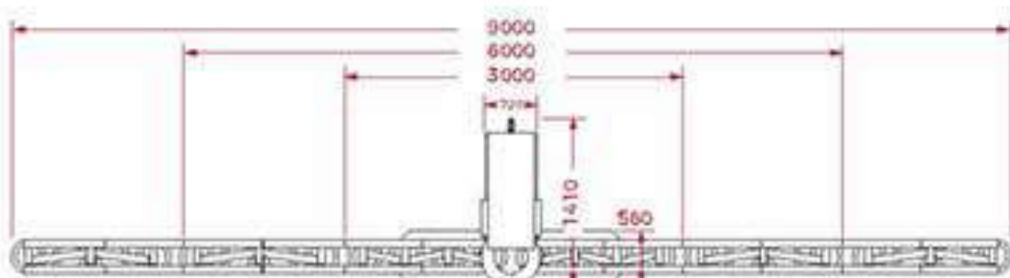
Medium Configuration
6000mm Length
1200kg capacity



Long Configuration
9000mm Length
1800kg capacity



Technical Data (mm)



MINI CRANES



Spider Plus rents and sells Mini Spider Cranes. We are one of the most specialized operators of this type of equipment in the market and our operations and maintenance teams are highly experienced in their respective areas.

Spider Cranes are a unique solution to confined space lifting. Small enough to fit through a single or double doorway, they can lift up to a capacity of 10 tonnes. Their compact nature means that they are well suited to a variety of complex lifting problems faced by project teams operating with limited space.

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- 71 G20 Pick & Carry Crane



URW-095



- Total width 0.6m
- Max working radius 8.41m
- Petrol powered with LPC and electric option
- Diesel powered with electric option
- Zero length increase with electric option (except diesel)
- Multi-position configurable outriggers
- Intelligent voice warning system
- Turn-over protection system, stability warning
- Radio remote control as standard
- Intelligent throttle activation for economy and ecology

The URW-095 is just 0.6m wide and designed specifically for interior access and benefits from class-leading heavy lifting capacity.

The URW-095 boasts unrivaled boom length and its outriggers allow for independent multi-angle configurations to suit the working space especially in restricted or confined areas - the patented UNIC stability protection system provides the benefit of turnover protection for enhanced safety.

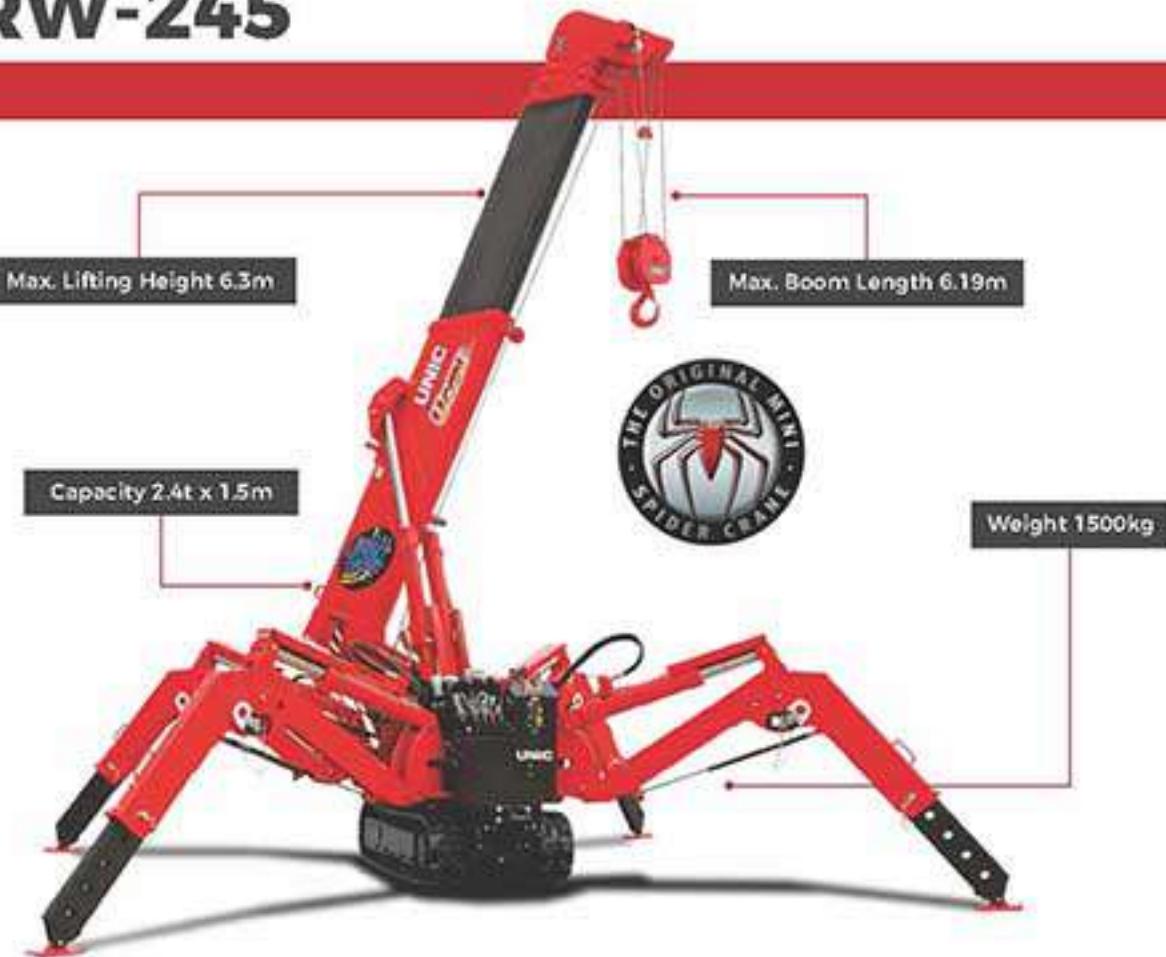
Additional Features



Crane Specifications

Crane capacity	Capacity	0.995t x 3.5m
Max working radius	Radius	8.41m
Max lifting height	Height	8.8 m (boom with 0° pitch, straight work mode, 0.995t)
Boom length	Max.	14.70m (4.6m x 2.97m x 0.74m) 19.60m (5.4m)
Dimensions	Width:	2090mm (2030mm (diesel & electrical start) 21 x 600mm (diesel 1.272m))
Weights	Unloaded	1850kg (lifting with standard engine, 1930kg with diesel engine, lifting with diesel and electric dual option)
Point load capacity	Due to the many variables involved, point loadings are only available on request	
Hook speed	Vertical	1000mm (with 3 layers steel in safety)
Telescopic system	Boom length: Telescoping speed: Boom type:	2.55 - 8.65m 6.72m/hr (standard) Diamond, hexagonal hollow and boom, hexagonal box construction
Demolition angle/speed	Speed:	0 - 180° in seconds
Steering angle/speed	Steering:	360° (steering) 1.8 mm/sec
Traction system	Steering: Travel speed: Ground pressure: Track ground length: Track ground pressure: Track width:	Hydrostatic, steering forward and reverse 0 - 2.3 km/h 60 bar/mm² (0.1 bar/mm²) 1000mm 0.016 (0.4 kg/mm²) 150 mm
Engine	Manufacturer: Drive: Maximum output: Starting method: Fuel capacity:	Marine Diesel petrol with LPG and electric options, diesel with electronic option 6.9kW (1.15 kW/2000RPM (diesel)) electric and fuel start as standard 0.15m³ petrol, 0.1m³ diesel
Electric motor	Power: Voltage:	4.0kW 400V AC 50/60 Hz
Standard equipment	radio remote control, emergency alarm, controller, horn intelligent voice warning system, multi-function operation for radio remote control, intelligent distance adjustment, armrests, hook load indicator, turn-over protection system with stability warning lights and alarm	
Optional equipment	1.5m hook height, 2.5m hook height, LPG dual power, marine water, fuel power (diesel), steel engine, low working height, searchlight hook, small hook, searchlight hook, 100kg (1/2 t) lifting with single part line	

URW-245



- Total width 0.6m
- Max working radius 5.85m
- Petrol powered, optional LPG dual fuel
- Operator control of outrigger extension
- Radio remote control as standard
- Working area limitation
- Intelligent throttle activation for economy and ecology

The URW-245 model in the UNIC Cranes Europe range offers unrivalled lifting power with its class beating minimal dimensions and weight. This 2.4-tonne capacity crane is ideal for in-between floor operations and fits easily into a goods lifts without the need for disassembly. The URW-245 also leads the way with an array of safety features including a computer controlled intelligent voice warning system.

Additional Features



Radio remote control



Full safe load indicator

Crane Specifications

Crane capacity	Capacity	2.4t x 1.5m
Max working radius	Radius	5.85m
Max lifting height	Height	6.3m
Boom length	Max.	16.6m (1.6t), 11.3m (2.4t), 42.7m (1.4t)
Dimensions	Width:	850mm (L) x 1470mm (W) x 2185mm (H)
Weight	Unladen:	1500kg
Point loadings	Due to the many variables involved, point loadings are only available on request	
Hook speed	approx.	15m/min (with 3 layers and 4 falls)
Telescopic system	boom length: telescoping speed: boom type:	1.35 - 6.19m 4.21m/min (approx.) Eversion, hydraulically telescoping boom; hexagonal box construction
Derrick angle/speed	approx.	0 - 80°/10 seconds
Steering angle/speed	approx.	360° clockwise/2.0/min rpm
Traction system	drive: travel speed: steerability: fork ground length: fork ground pressure:	hydraulic, stepless forward and reverse 0 - 3.31m/h (low) / 0 - 3.08m/h (high) ± 20° (vertical), ± 10° (transverse) 1.00m/min 4752 x 0.426 g/cm² (with 150mm travel)
Engine	manufacturer: drive: maximum output: Starting method: Tire capacity:	Mitsubishi petrol (LPG dual option) 8.6kW (180) / 1800min rpm electric and recoil start as standard 4.0tire
Standard equipment	computer controlled movement timer (safe load indicator); radio remote control; overreaching alarm; computer controlled intelligent voice warning system; main function operation by radio remote control; intelligent throttle activation; automatic hook stops; overload warning alarms; overload warning lamps	
Optional equipment	1 ton hook block, 2 ton hook block	

URW-295



- Total width 0.6m
- Max working radius 8.41m
- Petrol powered with LPG and electric option
- Diesel powered with electric option
- Zero length increase with electric option (except diesel)
- Operator control of outrigger extension
- Radio remote control as standard
- Working area limitation
- Slew limitation (optional)
- Intelligent throttle activation for economy and ecology

The URW-295 is the first mini crane available in Europe narrow enough to allow access through a standard doorframe, but with almost 3 tonnes of lifting power. It also leads the way technically with an array of innovative safety features including a computer-controlled intelligent voice warning system and the unique UNIC pressure compensation proportional valve, which allows multi-function radio remote control operation.

Additional Features



Radio remote control



Full safe load indicator

Crane Specifications

Crane capacity	Capacity	2.9t x 1.4m
Max working radius	Max	8.41m
Max lifting height	Capacity	8.8m (0.8m with manual fly jib; 10.42m with fixed fly jib)
Rope length	Max	16.12 m (6ft), 20.24 m (6.6ft), 25.67 m (8.4ft)
Dimensions	Folded	2890mm (2895mm if jib is fixed), 1445mm (1450mm if jib is fixed)
Weights	Articulated	1300kg (1795kg with electric option)
Point loadings	Due to the many variables involved, point loadings are only available on request.	
Hook speed	approx.	3m/min (switch & legate and 4th gear)
Telescopic system	boom length / telescoping speed	0.55 - 8.0m / 8.12m/min (electric) 6.12m/min (diesel)
Derrick angle/speed	approx.	0 - 80°/4 seconds
Slewing angle/speed	approx.	60° clockwise / 5 min open
Traction system	drive	Hydraulic, requires forward/reverse
	travel speed	0 - 2.3 km/h
	gradientability	> 20% vertical / 0° (horizontal)
	track ground length	100mm
	track ground pressure	6kN/m (0.4 kg/mm²)
	track weight	150 kg/m
Engine	model	Mercedes
	fuel	Petrol, Diesel and LPG/Propane dual-fuel
	maximum torque	8.6kNm (2000rpm at 60Nm)
	starting method	Electric
	oil tank capacity	8 litre petrol
Electric motor	power	0.25kW
	voltage	400V AC 50/60Hz
Standard equipment	Computer controlled mainwin/steerwin/tiltwin/rollwin/racewin/reverse control; overhauling winch; computer controlled intelligent voice warning system; multi-function operation by radio remote control; intelligent slewing activation; automatic hook sense; overload warning alarm; overload warning lamp; working area limitation	
Optional equipment	JIB/HOIST BLOCK; 2 part hook block; unhook alarms; roll preventer 400kg; shear limiter; sheared hook 200kg; sheared hook 200kg; manual fly jib; 700kg with single roller fly jib	

URW-506



- Total width 1.4m
- Max working radius 15.52m
- Diesel powered and optional mains electric
- Zero length increase with electric option
- Operator control of outrigger extension
- Intelligent voice warning system
- Radio remote control as standard
- Intelligent throttle activation for economy and ecology

The URW-506 offers an optimal combination of working flexibility and heavy lifting power. This crane is capable of lifting 3 tonnes at 3.4m or up to 4 tonnes with an optional 5 tonne hook block. As with all the UNIC spider crane models carrying a safe load indicator, the URW-506's working area limitation device allows the operator to pre-define the working area giving greater control and safety in sensitive areas. On approaching these limits, function speeds are reduced and an audible alarm is given before operation stops.

Remotes



Standard radio remote control

Crane Specifications

Crane capacity	Capacity	3.0t x 3.4m (max. 16m with 2 fall hook blocks)
Max working radius	Radius	15.52m
Max lifting height	Height	16m (13.71m with fly jib, 16m with fixed boom)
Boom length	Boom	15.25m (13.71m + 1.54m + 0.50m + 0.74m) (14m)
Dimensions	Overall	1670mm (W) x 1400mm (D) x 2000mm (H)
Weight	Gross weight	4840kg (4990kg with electric option)
Pole settings	Due to the multi-directional outriggers, outrigger height can affect pole settings on request.	
Motor speed	Steering	1500/min (steer-by-wire and e-brake)
Hydraulic system	Boom length:	0.80 - 12.71m
	Reeling speed:	0.13m/s (110 seconds)
	Boom type:	0.90m (standard) or 1.54m (long boom, horizontal load counterweight)
Swing angle/boom	Arm:	0 - 360° (0.2 seconds)
Swing angle/boom	Boom:	360° (horizontal) / 250° (side)
Tractive system	Drive:	Hydraulic (3-speed, standard forward and reverse)
	Travel speed:	0 - 5 km/h
	Productivity:	± 20° (steering 20° (steered))
	Track ground length:	1100mm
	Track ground clearance:	40 mm (steer by wire)
	Track width:	400mm
Engine	Manufacture:	Unicarrier / Yanmar
	Drive:	(standard electric, dual power option)
	Maximum output:	11kW (24kW) / 2000rpm (4000rpm)
	Starting method:	Electric
	Tank capacity:	40 litres
Electric motor	Power:	0.5kW
	Voltage:	400V AC 50/60Hz
Standard equipment	Computer-controlled hydraulics, colour safe load indicators, radio remote control, oversteering alarms, computer-controlled integrated backhoe warning system, multi-function cockpit by radio remote control, intelligent throttle activation, automatic load brake, overtravel warning alarms, peripheral warning lamps, working area limitation.	
Optional equipment	2 Fall hook blocks, 3 Fall hook blocks, multi-electric, dual power motor, 2 Fall hook blocks, searcher hook fitting, Fly jib 300kg with single fall block.	

URW-547



- Total width 1.4m
- Max working radius 17.83m
- Diesel powered and optional mains electric
- Zero length increase with electric option
- Operator control of outrigger extension
- Intelligent voice warning system
- Radio remote control as standard
- Intelligent throttle activation for economy and ecology

The URW-547 offers extended reach, providing a maximum lifting height of 18.2 metres and a maximum lifting capacity of 4 tonnes as standard on the main boom. The outrigger footprint remains the same as the URW-506, maintaining its compact dimensions.

Remotes

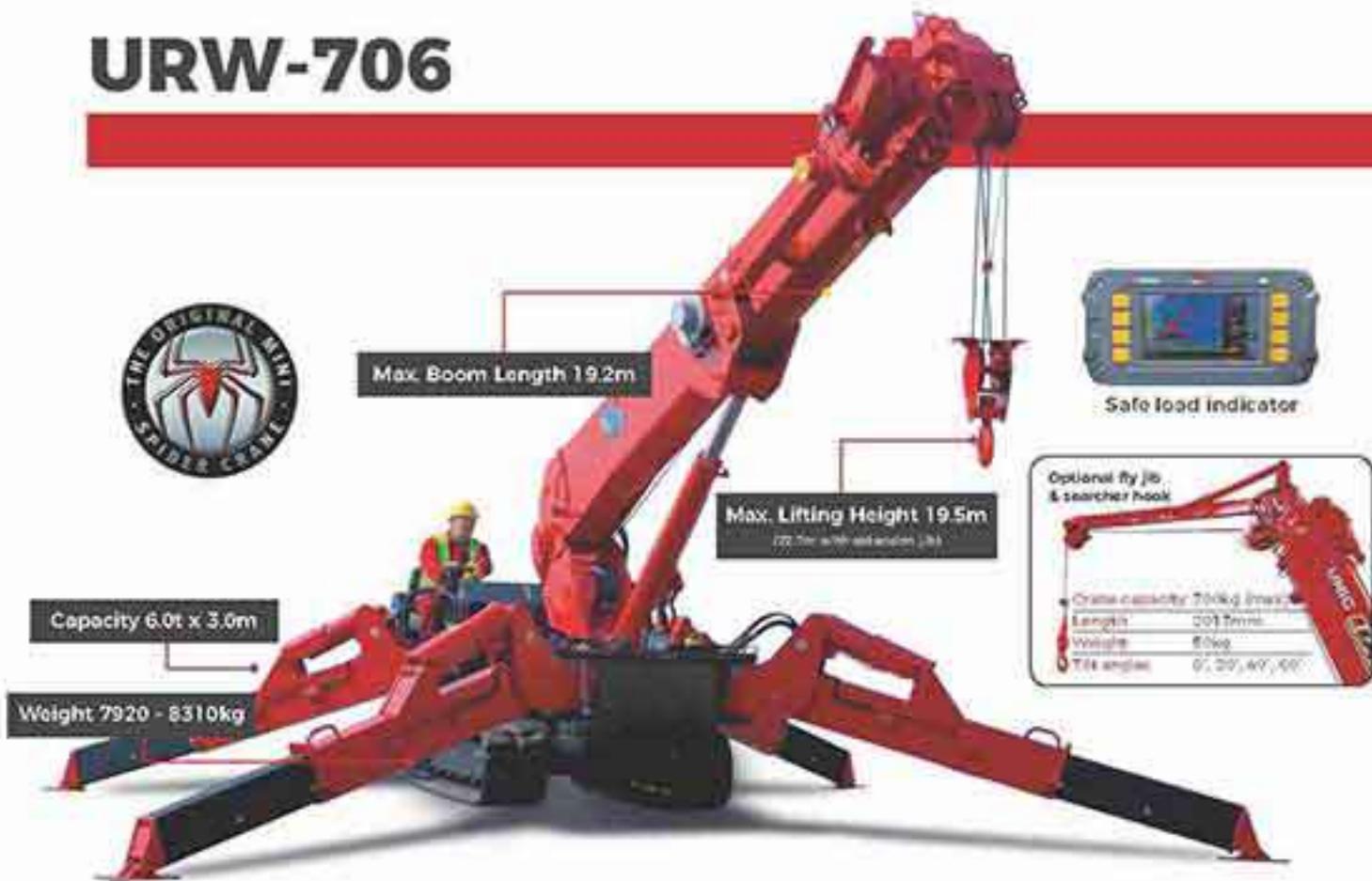


Standard radio remote control

Crane Specifications

Crane capacity	capacity	4.0t x 2.5m
Max working radius	max	17.83m
Max lifting height	approx	18.2m
Pipe length	max	22.82m (4.0t), 18.13m (2.5t), 16.75m (1.0t)
Dimensions	folded	666mm (D) x 1400mm (W) x 1660mm (H)
Weight	unit weight	5010kg (2186kg with electric option)
Point loadings		Due to the many variables involved, point loadings are only available on request
Hook speed	approx	1m/min (with 5 layers and 4 falls)
Telescopic system	boom length, telescoping speed, boom type	1.99 - 18.02m 1m/min/0.5 seconds T-section hydraulically telescoping boom, hexagonal box construction
Deracking angle/speed	approx	0 - 80°/4.0 seconds
Slewing angle/speed	approx	360°/sec (usual), 2.2min/rev
Traction system	drive, travel speed, gradability, track ground length, track ground pressure, track width	Hydrostatic 2 speed, variable forward and reverse 0 - 2km/h 12° (vertical 20° sideways) 1500mm 47.1Pa (0.4kg/km²) 300 mm
Engine	manufacturer, drive, maximum output, starting method, tank capacity	Hatz/Bosch / Yanmar diesel (electric, dual power option) 17.2kW (23.3HP) / 2100/min rpm electro, 4x 3kw
Electric motor	power, tank capacity	7.3 kW 400V AC 50/60Hz
Standard equipment		controlled intelligent voice warning system, multi-function operation by radio remote control, intelligent throttle activation, automatic hook stops, overload warning alarms, overload warning lamps, working area limitation, intelligent voice warning system, multi-function operation by radio remote control, intelligent throttle activation, automatic hook stops, overload warning alarms, overload warning lamps, working area limitation
Optional equipment		1 fall hook block, 2 fall hook block, mains electric, dual power (400V), low marking tracks, static limitation, secondary hook small 200kg, data logging

URW-706



- Total width 1.67m
- Diesel powered and optional mains electric
- Zero length increase with electric option
- Radio remote control as standard
- Stowable fly (extension) jib (optional)
- Searcher hook (optional)
- Intelligent throttle activation for economy and ecology

The URW-706 is a lifting heavyweight in the mini crane world. With a 6-tonne capacity at 3.0m and a hook height of 19.5m it is one of the highest capacity UNIC cranes in the range yet at 1670mm wide it is still narrow enough to gain access through a standard double doorway. For added lifting flexibility the URW-706 also features an optional searcher hook and a 3.1m long swing away fly jib, providing a maximum hook height of 22.7m. The new 706-2 hydraulic searcher hook provides a maximum hook height of 25.9m.

Remotes



Standard radio remote control

Crane Specifications

Crane capacity	6.0t x 3.0m	
Max working radius	19.2m	
Max lifting height	approx 19.5m (19.2m with extension jib)	
Boom length	max 19.2m (or 22.7m with 3.1m fly jib) 10.1m (2.7m)	
Dimensions	Overall 9800mm (L) x 1670mm (W) x 2150mm (H)	
Weight	2920kg + 1000kg (2000kg with electric option) + 200kg (3310kg with searcher hook and fly jib attached)	
Pivot loadings	Due to the many variables involved, pivot loadings must be calculated by a professional engineer.	
Hook speed	4000mm/s (1.1m/sec with 3.1m fly jib and a fully extended boom)	
Telescopic system	Boom length: 10.2m - 19.2m Extending speed: 1200mm/sec. Boom type: 6 sections hydraulically telescoping booms. Retractable cable retraction system.	
Decelerating and safety	approx 10-100% dec. rate	
Swing angle/boom speed	approx 100° increments 0.5min rpm	
Traction system	4WD Axle speeds: steerability: max ground speed: max ground pressure: track width:	Hydraulic 3 speed, passive traction and steering 0-2.8mph 0-20 degrees (0° steering) 1240mm 42.5/7.5kN (steering) 600 mm
Engine	MAN D08/09 displacement: maximum output: starting methods: idle capability:	1000kW displacement: 10.0 liters, dual engine option 17.2kW/L (17.2kW/L) 20.0kW/L (20.0kW/L) electric 7.5kW
Electric motor	power: voltage:	1.5kW 400V AC 50/60Hz
Standard equipment	Computer controlled movement, timer, safe load indicator, radio remote control, overrunning clutch, computer controlled multi-gear ratio gearbox system, multi-function operation by radio remote control, Intelligent throttle activation, automatic hook block, 6 disc integrated warning alarms, overload switch, tie rod, working area limitation	
Optional equipment	1. Fall hook block, 2 fall hook block, tie rod, electric, dual power single gear, 6000kN cat and hydraulic hydraulics (1000-2000)	

URW-706 (Continued)



Shockless damping system for smooth stop when operated via remote control

The UNIC URW-706 features an optional 3.1m long swing away fly jib, together with an optional searcher hook, providing a maximum hook height of 22.7m.

The standard UNIC URW-706 provides a maximum hook height of 19.5m.

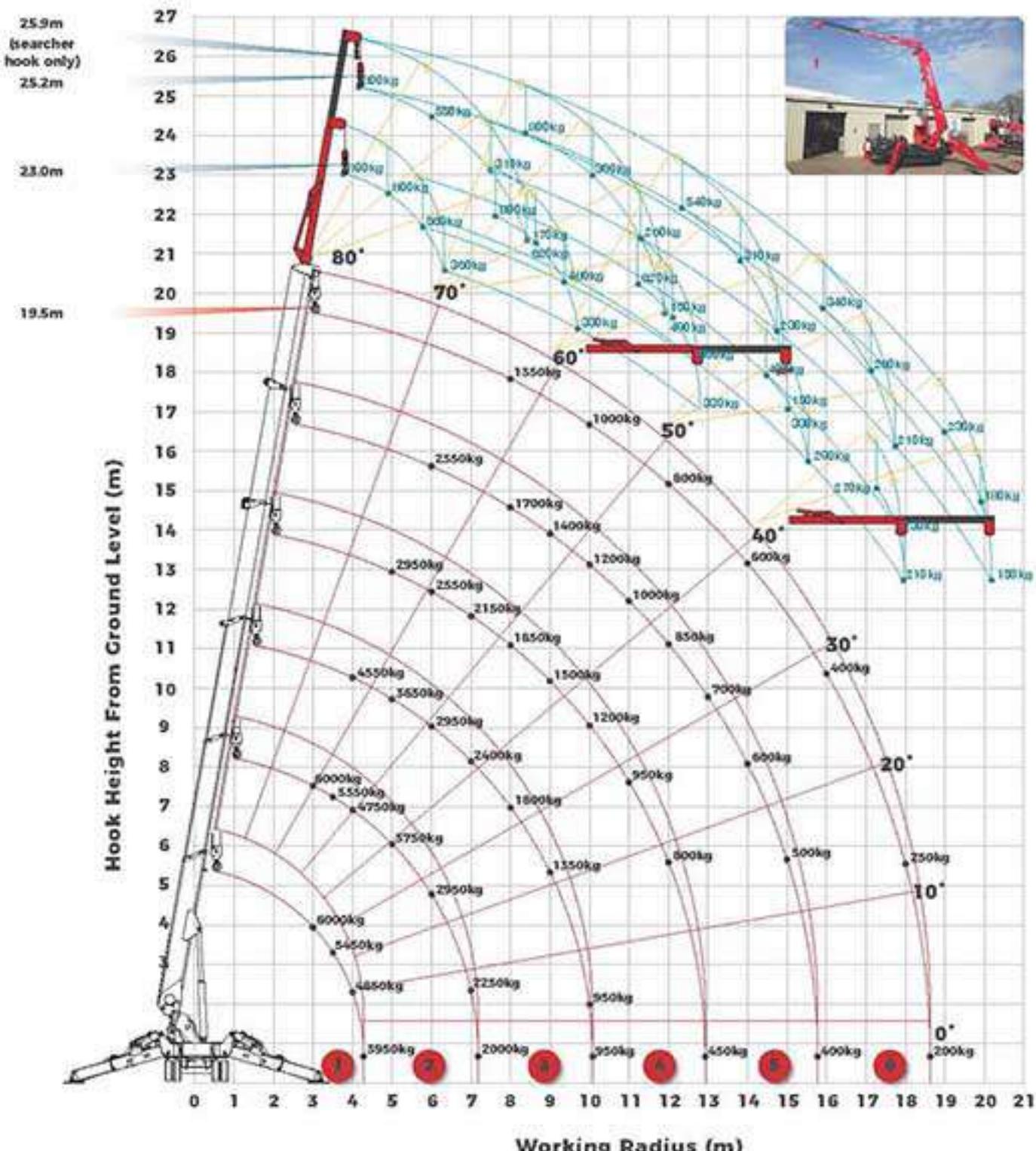


Dimensions



URW-706-2

URW-706-2 WORKING RANGE



G20 Pick & Carry Crane

Popular Slimline Crane With Zero Emissions

This electric powered winch can safely and effortlessly lift loads of up to 250kg, helping to save time on site as well as reduce the risk of worker injury associated with manual handling.

Lightweight, compact and simple to assemble, the Glassmax Electric 250 comes with removable counterweights and folds up easily for transportation.

Spider Plus also have a broad range of vacuum lifters that are compatible with the Glassmax Electric 250 to assist with vertical and overhead glazing installation work.



Optional shearer hook
(Capacity: 150kg)



Optional electromagnetic brakes



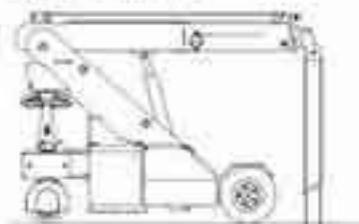
Technical Specifications

Capacity	2.0t x 0.5m
Maximum working radius	3.5m (±2m with shearer hook)
Maximum lifting height	5.3m (±3.2m with shearer hook)
Dimensions	2500mm (l) x 935mm (w) x 1430mm (h)
Weight	2000kg
Boom length	2.15 - 5.15m
Boom type	3 section box boom (1+2 hydraulic, 3 manual)
Derrick angle	-4° to 50°
Steering	West 180°
Tires	1 solid rear, 2 solid front
Power source	24v rechargeable battery
Battery charger	110v
Travel speed	5km/h
Gradeability	-8% (without load)
Standard equipment	<ul style="list-style-type: none">Digital safe load indicatorAudio-visual overload alarmReversing alarmOverspeed warning lampsWork lamp
Optional equipment	<ul style="list-style-type: none">Low tractive tiresFuß winch system (1650kg)Radio remote controlElectromagnetic front brakes150kg shearer hook800kg rhino hook

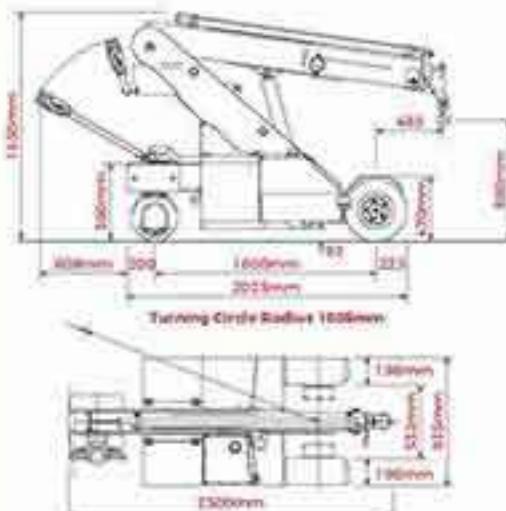
2000kg

Safe Working Load

C20 Hook Falls



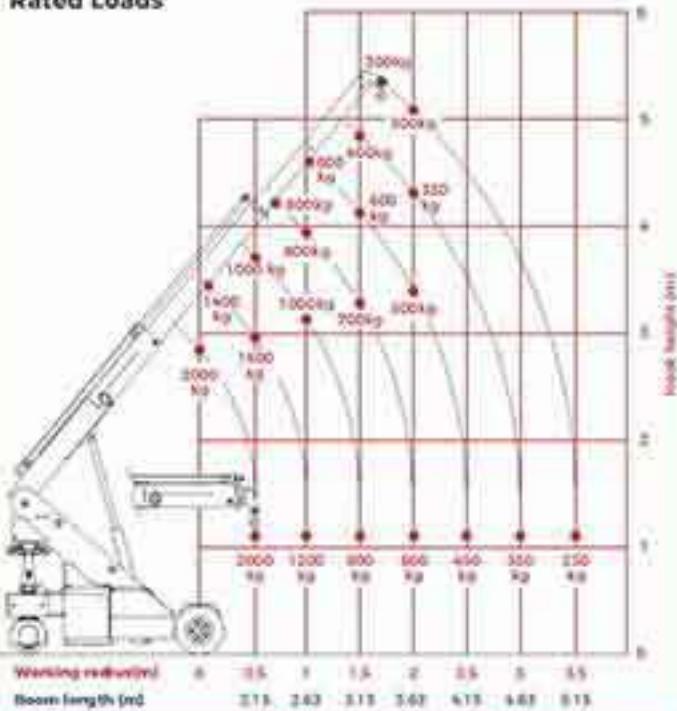
Technical Data (mm)



4 Fall
11m
1650kg max
5 Fall
14.3m
1350kg max
2 Fall
2.2m
900kg max
1 Fall
4.5m
4000kg max



Rated Loads



Working radius (m) 0 1.5 2 2.5 3 3.5
Boom length (m) 0 1.15 2.43 3.13 3.67 4.73 5.63 6.13

Searcher Hook Rated Loads

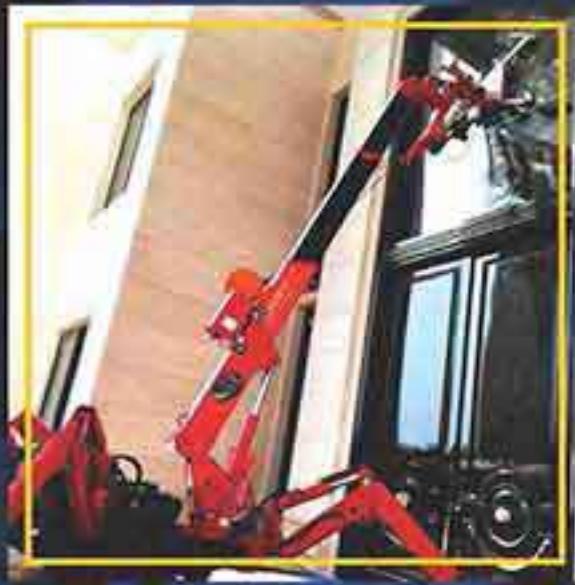
For C20 & CK20



Working radius (m) 0 0.9 1 2.7 2 3 4.7 3
Boom length (m) 0 1.15 2.43 3.13 3.67 4.73 5.63 6.13

LIFTING SOLUTIONS





Spider Plus offers the latest equipment for internal and external glazing.

Our range of Glazing Robots and crane mounted Manipulators can handle glass of up to 600kg.

These make quick work of ground level glazing tasks and glazing and facade installation on towers when utilized within the building. When used in conjunction with our larger Spider Cranes, the Manipulators can be used to install glass at heights up to 21m.

Overhangs can be a huge obstacle when installing glass and facades. Our Libro overhang beam can be used to install glass or cladding underneath balconies or other obstacles when access from below is not available.

CONTENTS

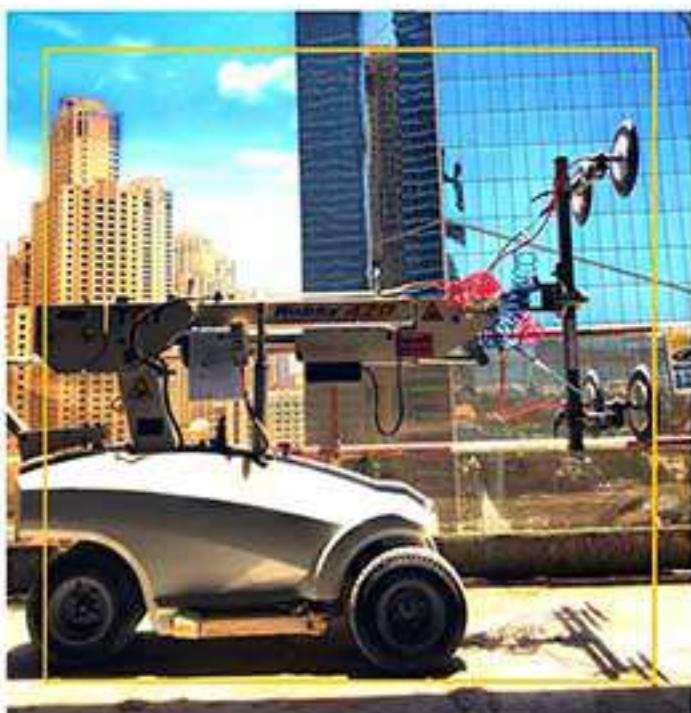
- 75 Robby 420
- 77 EMU Dual Circuit
- 79 Oscar 600
- 81 Oscar 600 Offroad
- 83 GL-UMC600
- 85 Libro 500 Overhang Beam
- 87 Glassmax 250
- 88 Glassmax 500
- 89 Osler Boy 650
- 90 Accessories

Robby 420 - Universal



The all-terrain Glazier

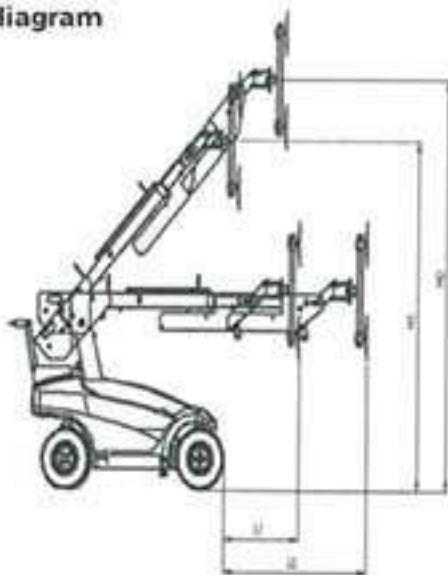
The lift head of the Robby 420 universal you can turn in all directions and it is possible to telescope the arm electrical 600 mm forward. Similarly, the flexible head is tiltable up and down as well as 360° manual rotatably, 180° pivotable side-ways and 200 mm on the front axle laterally displace-able by motor. The TGT Robby 420 universal is equipped with a powerful electric-wheel drive and, of course, with a 2 circuit suction device according to EN 13155.



420kg

Safe Working Load

Payload diagram



	L1	L2	H1	H2
payload	420 kg	200 kg	250 kg	200 kg
distance	850 mm	1225 mm	2380 mm	2630 mm

Technical Specifications

Total weight:	680kg
Overall height:	1430 mm
Overall width:	800 mm
Overall length:	2300 mm
Telescopic length:	600 mm
Mobility of the flexible Suction head:	-100° to +100°
Speed regulation:	continuously
Side shift:	200 mm
Lifting height:	2800 mm
Charging current:	230 volts
Charger:	Geteck XT 14000
Batteries:	(2x12V) / 2x105 A
Operating time:	app. 30 hours
Cups:	4 round
Suction device built to specs according to EN13155	



EMU Dual Circuit

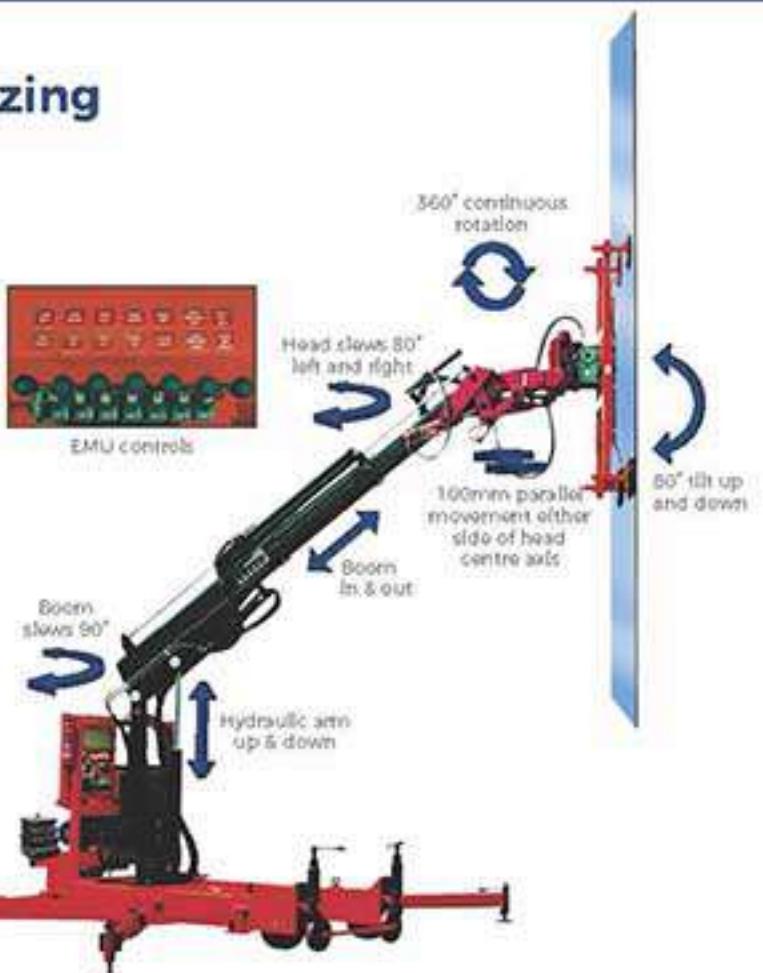
Designed For Inside-Out Glazing

The Ergonomic Manipulating Unit (EMU) is an innovative machine with a unique manipulating head designed to glaze a building from the 'inside-out' when craneage or scaffolding is impractical.

With recognition from the Design Council and given the Quality in Construction Award by Construction News, the EMU has a unique manipulating head that can angle and push glass, curtain walling and unitized glazing panels outside of a building envelope, realign them and then pull them back into position for fixing.

The flexible hydraulic lifting head slew's 80° left and right, tilts up and down 80° and rotates continuously 360° to manipulate loads into the ideal angle ready for fitting. The boom also slew's up to 90° left and right to assist in load pick up.

Independently powered with an on-board drive system, the EMU has the mobility to access tight interior areas. Its four outriggers enhance stability and reduce the floor loading of the machine.



Technical Specifications

Safe working load:	jbs 1& 2: 500kg jib 3: 300kg
Suitable for lifting:	material properties: glass/light / non-porous surface: smooth example: glass, plastic boards, ceramic plates, sheet metals, coated boards
Weight:	with counterweights: 1650kg without counterweights: 1450kg
Width:	folded: 1350mm (with counterweights), 1250mm (without)
Length:	length: 3200mm
Height:	folded: 1830mm
Number of suction cups:	cups: 4 - 12 depending on configuration. Standard frame is 10 cups and 2 extension arms. Custom built frames are available. Curved frame option also available.
Powered head tilt:	powered head tilt: 80° up & down
Powered head sideshift:	movement: 100mm
Powered pad frame rotation:	rotation: 360° continuous
Powered head slew:	left & right: 80°
Powered boom slew:	left & right: 90°
Vacuum system:	dual circuit: 1 pump, 2 vacuum reserve tanks

500kg

Safe Working Load

Key Features

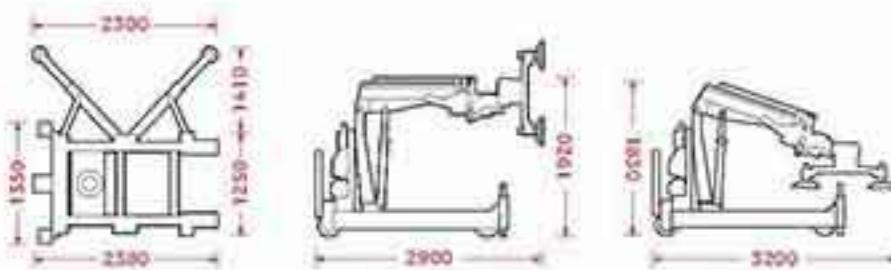
- Capacity: 300kg, 500kg (depending on chosen jib)
- Dual circuit vacuum system with vacuum gauge circuit
- Hydraulically operated smooth control
- 5.76m reach from floor to pad face
- Working radius: 4.4m
- 80° tilt up and down
- Head slews 80° left and right
- Boom slews 90° left and right
- 360° continuous rotation in either direction
- Head movement 100mm parallel left and right
- On-board maintenance free vacuum pump powered by 12v battery with integral charger or 110v/240v mains
- Audio-visual low vacuum warning system
- Weight: 1650kg (with counterweights)



EMU vacuum system controls



Technical Data (mm)



Oscar 600

Lift & Shift With Accuracy, Power & Reach

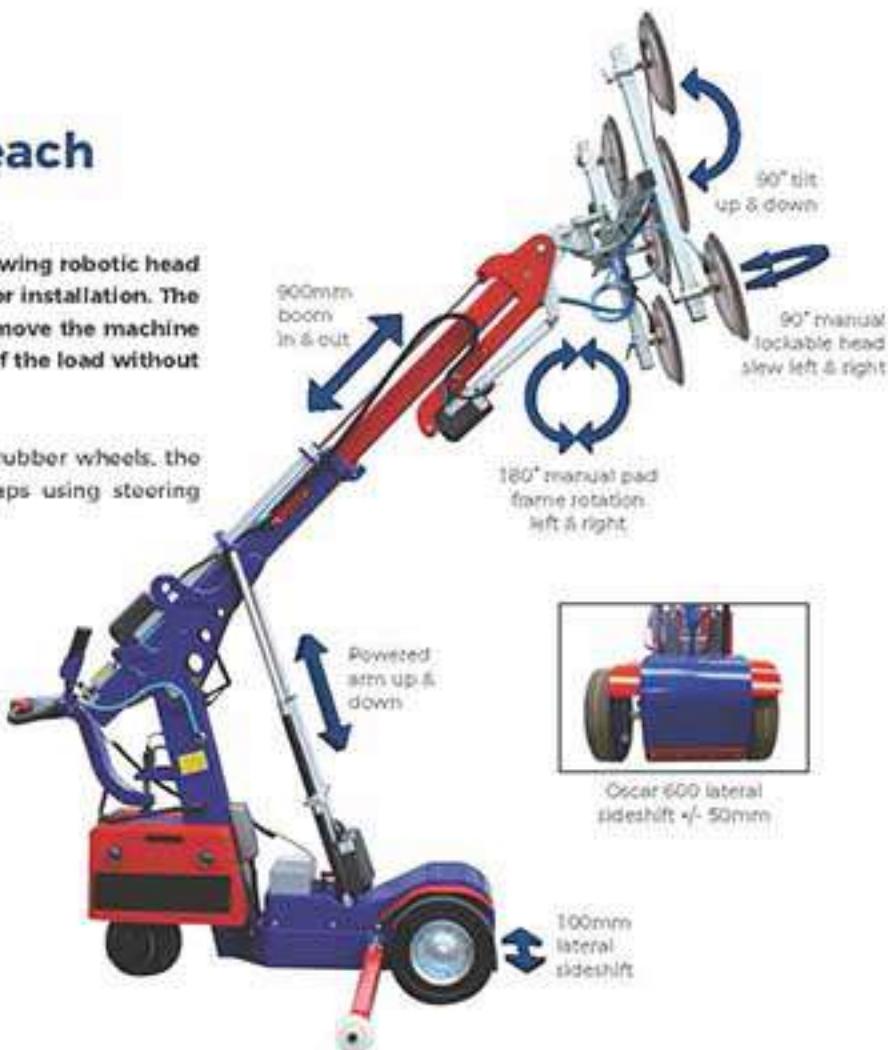
Optimum Strength Compact Articulated Robot

The Oscar 600 features a rotating, tilting and slewing robotic head which can accurately align glass so it is ready for installation. The useful electric sideshift function can instantly move the machine 50mm left or right to fine-tune the placement of the load without having to waste time repositioning the robot.

With a chassis width of only 780mm and solid rubber wheels, the Oscar 600 can easily move through narrow gaps using steering wheel controls to reach confined working areas.

Using a dual circuit vacuum system, its six suction pads can be securely fixed to glass, metal and window and door elements.

The Oscar 600's telescopic lifting arm extends up to 900mm and comes with an articulated joint combined with precision controls for accuracy.



Oscar 600 lateral sideshift +/- 50mm

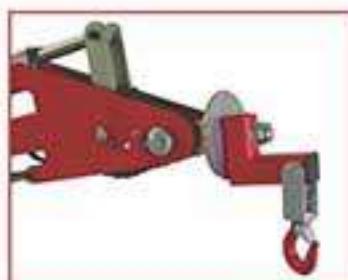
Technical Specifications

Safe working load	capacity job 1	500kg
	capacity job 2	300kg
Suitable for lifting	material properties	gaslight / non-porous
	surface	smooth
	example	glass, plastic boards, ceramic plates
Weight	With counterweights	1052kg
	without counterweights	550kg
Width	width	780mm
Travelling length	length	2584mm
Travelling height	height	1491mm
Number of suction cups	cups	6
Powered head tilt	powered head tilt	90° up & down
Powered lateral sideshift	powered lateral sideshift	100mm
Manual pad frame rotation	rotation	180° lockable left & right
Manual head slew left & right	manual head slew	90° lockable increments left & right
Boom in & out	boom in & out	900mm
Vacuum system	dual circuit	2 pumps, 2 vacuum reserve tanks
Power requirements	rechargeable battery pump	110v/240v charger 24v DC (2 x 12v)



600kg

Safe Working Load



Crane hook option



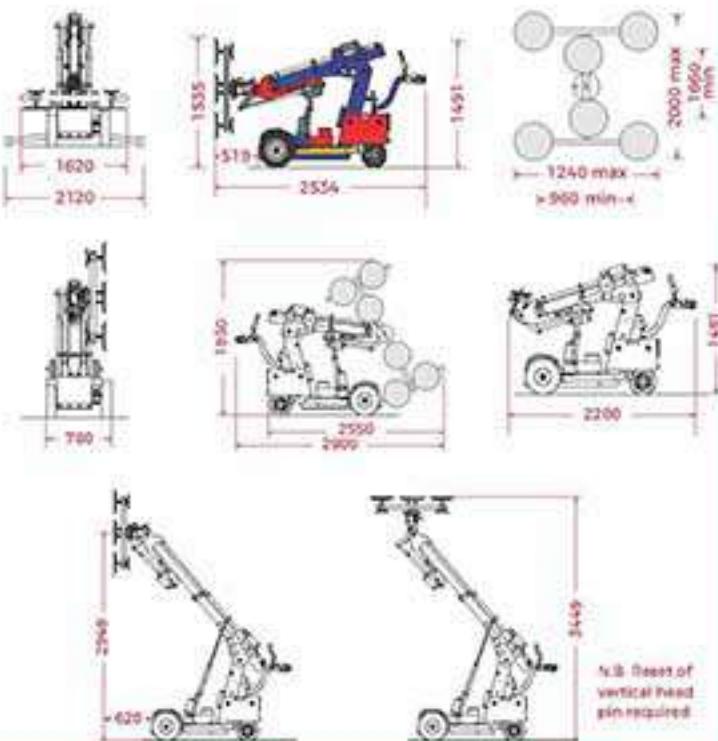
Optional fork lift attachment



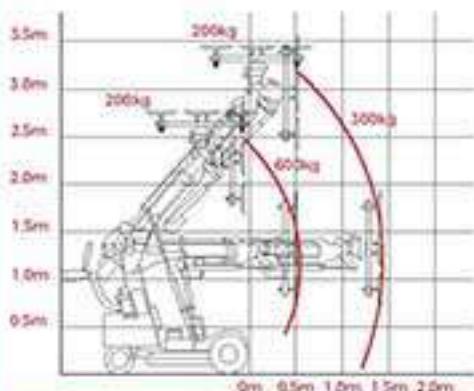
Cable remote control as standard



Technical Data (mm)



Rated Loads Diagram



Oscar 600 Offroad

Smooth Movement Across All Terrain

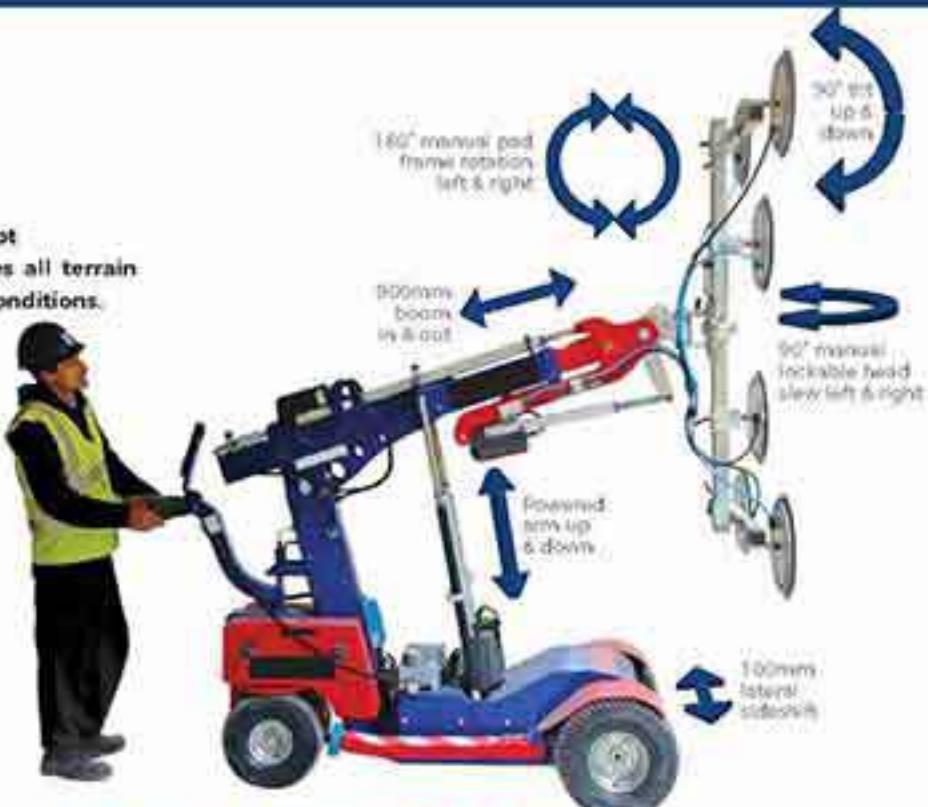
Optimum Strength Compact Articulated Robot

The Oscar 600 Offroad glazing robot features all terrain tyres for trouble-free lifting on poor ground conditions.

Retaining all the lifting power as our standard Oscar 600 model, this highly manoeuvrable Oscar 600 Offroad has front wheel drive and large dual tyres with added grip to enable the machine to travel over uneven terrain.

Perfect for use on outdoor sites, the dual circuit Oscar 600 Offroad can safely handle heavy glass and other flat non-porous materials using six durable vacuum suction cups.

Its extra-long telescopic lifting arm can extend up to 900mm for lifting 300kg loads and the sideshift function allows for minor adjustments in load placement without having to reposition the entire machine.



comes with durable off-road front and rear tyres for added grip over surfaces

Technical Specifications

Safe working load	capacity Jib 1: 300kg capacity Jib 2: 300kg
Suitable for lifting	material: smooth surface: smooth example: glass, plastic boards, ceramic plates
Weight	with counterweights: 320kg without counterweights: 260kg
Width	width: 922mm
Travelling length	length: 2524mm
Travelling height	height: 1024mm
Number of suction cups	cups: 6
Powered head tilt	powered head tilt: 30° up & down
Powered lateral sideshift	powered lateral sideshift: 100mm
Manual pad frame rotation	rotation: 180° rotatable left & right
Manual head slew left & right	manual head slew: 90° lockable increments left & right
Boom in & out	boom in & out: 900mm
Vacuum system	dual circuit: 2 pumps, 2 vacuum reserve tanks
Power requirements	rechargeable battery: pump: 110v/240v charger 24v DC (2 x 12v)



600kg

Safe Working Load



Crane hook option



Optional electric winch
version available (500kg)



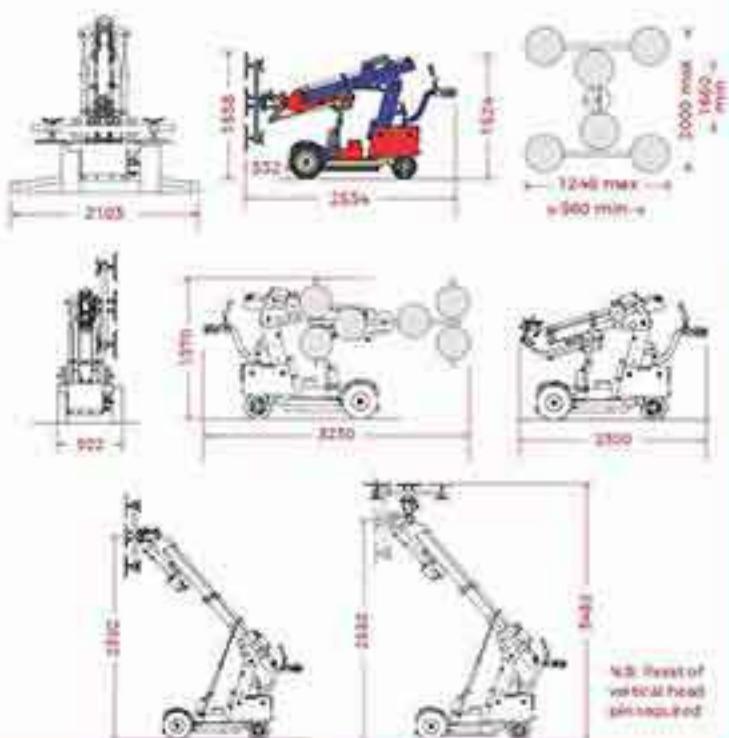
Optional fork lift attachment



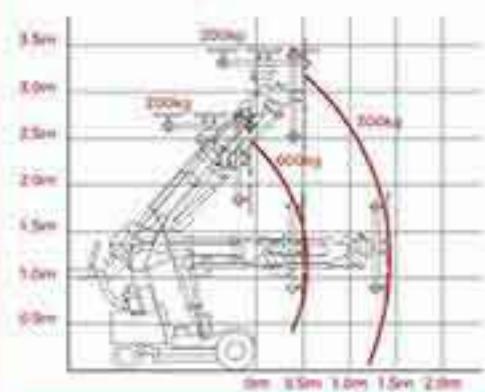
Cable remote control as
standard or optional radio
remote control



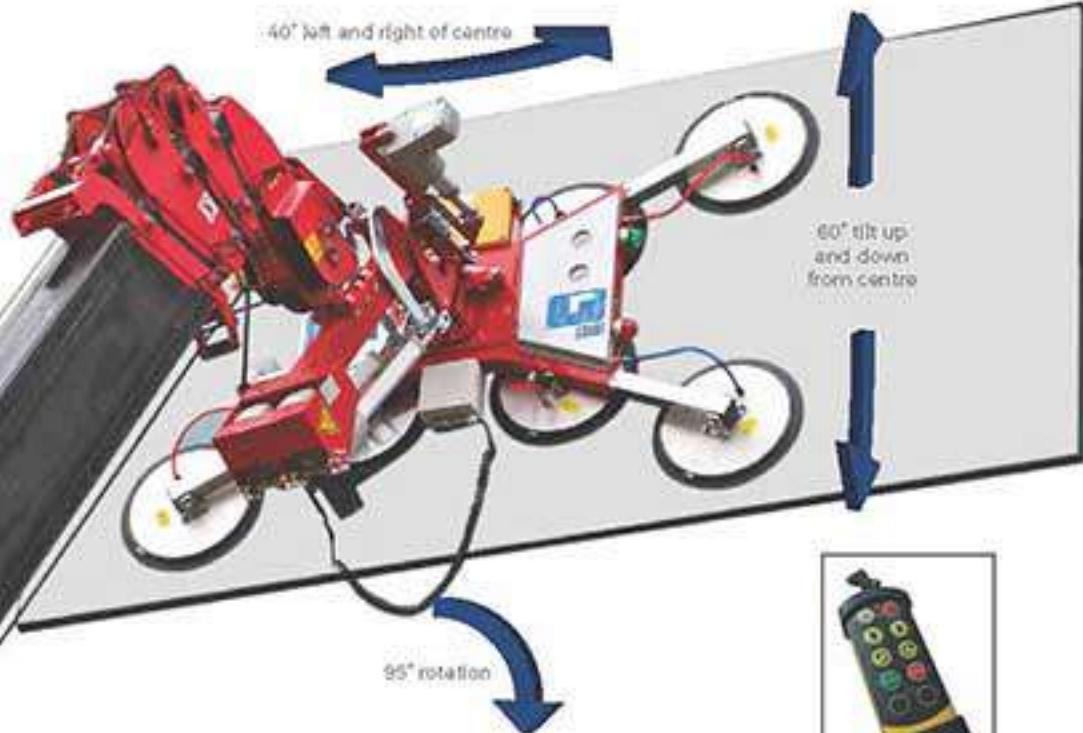
Technical Data (mm)



Rated Loads Diagram



GL-UMC600 Glazing Manipulator Head



Radio remote control as standard

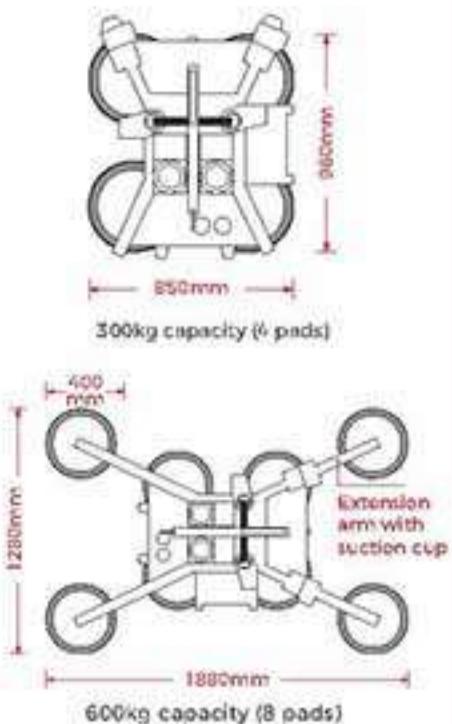
Flexible Robotic Manipulator

Delivering the ultimate combination of reach and precision engineering, the GL-UMC600 is a state-of-the-art robotic attachment designed to work in conjunction with our UNIC spider crane range.

The GL-UMC600 robotic head is an excellent device for lifting and manipulating large glass units weighing up to 600kg. When the GL-UMC600 is attached to a compact mini crane, customers have the added advantage of extended boom reach for easy glazing at height.

The highly flexible GL-UMC600 is designed to attach directly to the UNIC crane's boom and is independently powered with electric actuators that allow precise movement of glass loads. This attachment comes with 95° rotation, 40° head slew left and right, 120° tilt and can be operated via its own radio remote control.

Technical Data (mm)



600kg

Safe Working Load

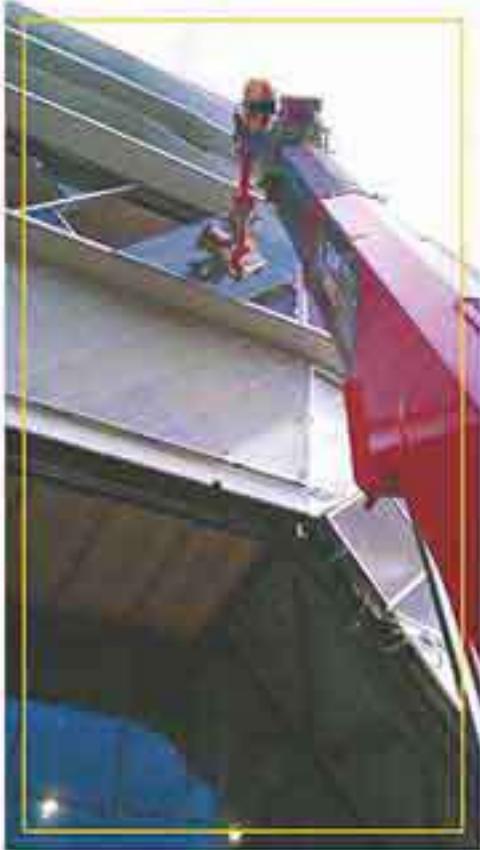
Key Features

- Capacity: 300kg (4 pads) or 600kg (8 pads)
- Dual circuit vacuum system with vacuum gauge, reserve tank and non-return valve for each circuit
- Compatible with UNIC models: URW-095, URW-295, URW-376, URW-506 and URW-706
- When attached to URW-706 boom length restricted to 16 metres
- Unique, patented head allows a unit to be manipulated with ease through
 - 40° left and right of centre
 - 60° up and down from centre
 - 95° rotation
- Audio-visual low vacuum warning
- Extension arms available for lifting larger loads
- Power supply: 24V rechargeable battery
- Weight: 170kg



Technical Specifications

Safe working load	capacity	300-600kg depending on configuration
Suitable for lifting	material properties	gaslight/non-porous
	surface example	smooth glass, plastic boards, ceramic plates, sheet metal, coated boards
Weight	approx.	170kg
Depth	depth	1250mm
Length	length	850mm
Height	height	1950mm
Number of suction cups	cup(s)	4 or 8 depending on configuration
Powered head tilt	powered head tilt	10° up & down
Powered pad frame rotation	rotation	95°
Powered head slew	left & right	40°
Vacuum system	dual circuit	2 pumps, 2 vacuum reserve tanks
Power requirements	head and vacuum	On-board 24v battery pack powers both robotic head and vacuum system operation Rechargeable by 110/240v charger
Standard accessories	standard	Radio remote control Four extension arms with four pads Battery gauge Green 'safe to lift' light
Optional accessories	optional	External battery pack and charger for radio remote control



Libro 500 Overhang Beam

Overcome Deep Overhangs



Libro 'hook-only' overhang beam allows attachment of standard lifters and flexible load movement.



Cable remote control for saddle



The mid-capacity Libro 500 overhang beam is the perfect solution for lifting up to 500kg loads safely and overcoming the challenges of deep overhangs with its extension arm.

The Libro 500 comes with standard pendant remote control for the counterweight saddle

This versatile device can be easily adjusted for working under overhangs of various depths. Contact our technical team for more information about how this affects the safe working load of the machine.

Technical Specifications

Safe working load	capacity	500kg x 1.5m
Suitable for lifting	material properties:	gas-tight / non-porous surface: smooth example: glass, plastic boards, ceramic plates, sheet metals, coated boards
Weight of lifter	weight:	1450kg (with counterweights)
Depth of overhang	depth:	1500mm
Balance control	control:	screw drive counterweight saddle, variable speed forward and reverse
Power requirements	options:	12v battery with integral charger or 110/240v 50/60Hz single mains supply
Standard accessories	standard:	• 2 x extension arms & pads • Cable remote control for vacuum suction / release • cable remote control for counterweight movement

Key Features

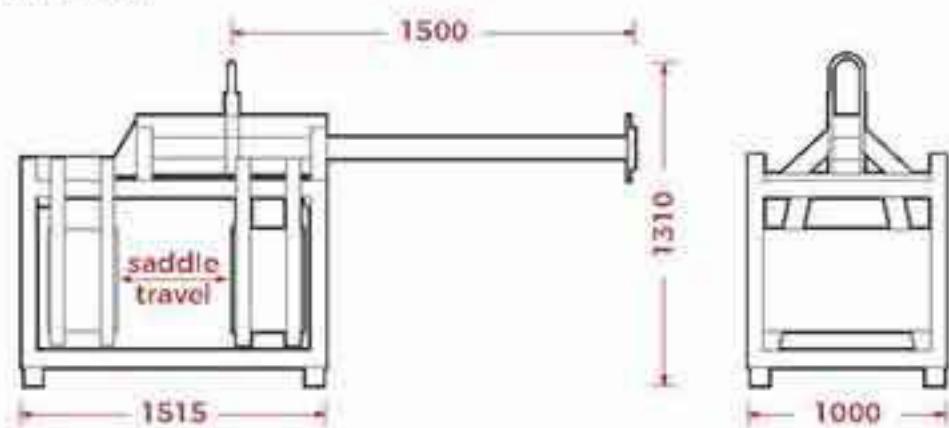
- Capacity: 500kg
- Pendant remote controlled, low voltage, electrically driven counterweight saddle
- Saddle overrun stop switches for safety, operates in both forward and reverse directions
- On-board maintenance-free vacuum pump powered by 12v battery with integral charger or 110v/240v mains
- Weight: 1450kg approx (with counterweights)

500kg

Safe Working Load



Technical Data (mm)



Glassmax 250

250kg

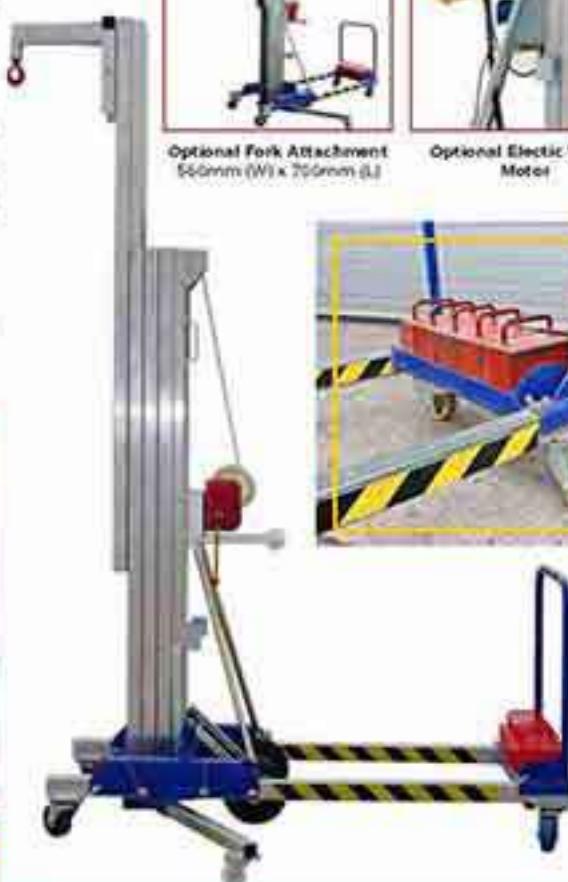
Safe Working Load

Flexible, Adaptive, and Lightweight

The lightweight manual Glassmax hoist can be combined with a GGR vacuum lifter for quick and effective installation of vertical glazing.

The Glassmax hoist can handle loads of up to 250kg to a hook height of 7.5 metres. The Glassmax is simple to build and dismantle, with removable counterweights, making it easy to transport to site.

An optional fork attachment can be used for the installation of HVAC units, pipes, ducts and palletised loads:



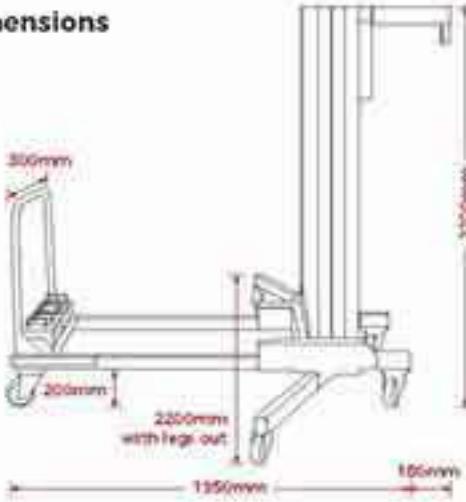
Key Features

- Capacity: 250kg
- Multi-functional lightweight manual hoist
- Easily assembles and disassembles for transport by van
- Counterweight system
- Ideal for vertical glazing when combined with a vacuum lifter
- Optional 240v powered winch available
- Vacuum lifter sold/hired separately

Technical Specifications

Capacity	250kg
Max Hook Height	7.5m
Width	800 mm
Length	2130 mm
Weight (exc. counterweights)	305kg
Weight (inc. counterweights)	330kg

Dimensions



Note 1: Counterweights must be secured before lifting.
Note 2: When using fork attachment the load must be centralised and secured.

Glassmax 500

500kg
Safe Working Load

Lightweight, Heavy Loads.

The robust Glassmax 500 hoist can lift 500kg to 4.8m and is easy to assemble and disassemble with a removable counterweight system.

This multi-functional manual hoist is perfect for overhead or vertical glazing when combined with one of our vacuum lifters.

An optional fork attachment can be used for the installation of HVAC units, pipes, ducts and palletised loads.

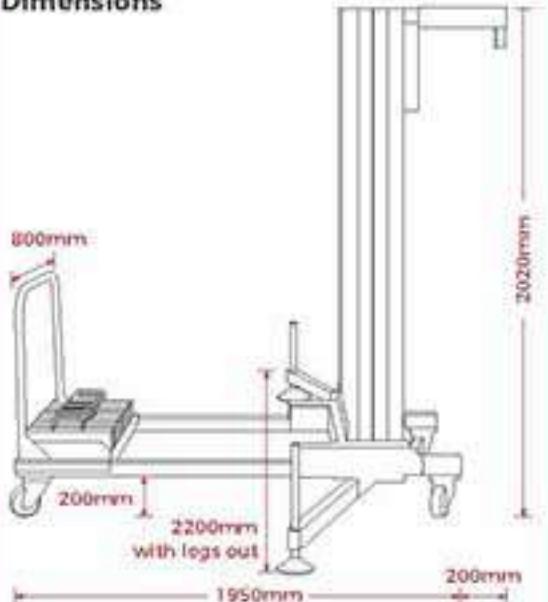


Optional Fork Attachment
510mm (W) x 200mm (L)

Key Features

- Capacity: 500kg
- Multi-functional lightweight manual hoist
- Easily assembles and disassembles for transport by van
- Counterweight system
- Ideal for vertical glazing when combined with a vacuum lifter
- Vacuum lifter sold/hired separately

Dimensions



Note: Weights must be secured before lifting

Technical Specifications

Capacity	500kg
Max Hook Height	4.8 m
Width	800 mm
Length	2150 mm
Weight (exc. counterweights)	270kg
Weight (inc. counterweights)	470kg

Osler Boy 650

650kg

Safe Working Load

With a lifting capacity of up to 650kg and a maximum hook height of 2.8m, the Osler Boy 650 is a compact and lightweight crane that can be used between floors for raising loads from the ground with its optional electric hoist.

The Osler boy 650 can assist with a broad range of lifting applications. It is ideal for shop front glazing and fitting below overhangs when used in conjunction with below-the-hook devices such as Spider Plus's range of vacuum lifters.

Key Features

- Capacity: 650kg
- Maximum hook height of 2.8m
- Hydraulic lifting arm
- Optional electric hoist for raising loads from the ground up
- Lockable rear wheels
- Easily assembles and disassembles for transport by van
- Vacuum lifter hired/sold separately
- Weight: 955kg (with counterweights)



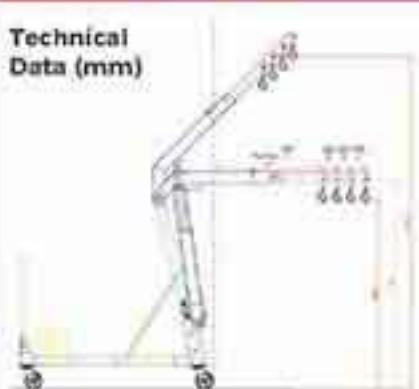
OSLER Boy 650 Spare Parts List

Pos. Description

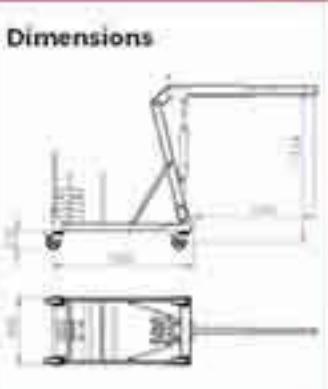
- 1 Main Body Frame
- 2 Hydraulic Hand Pump
- 3 Main Jib
- 4 Secondary Jib
- 5 Caster Wheels
- 6 Counter Weights



Technical Data (mm)

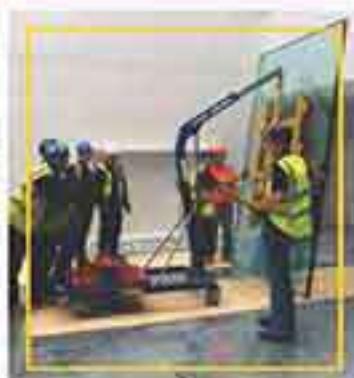


Dimensions



Technical Specifications

	Capacity	Arm Extension
Position 1	650 kg	3600mm
Position 2	600kg	1080mm
Position 3	550kg	1200mm
Position 4	205kg	1520mm
Weights (without counterweights)	205kg	
Weight (with counterweights)	955kg	
Counterweights	30 x 25kg Each	



Accessories

Minifor® TR50

Technical Specification Sheet

The TR50 is an incredibly compact yet powerful tool. The unit is able to be carried by a single person, greatly simplifying set-up on site.

This portable electric lifting hoist can be used with or without a reeler, which allows for lifts and pulls to be performed at great distances. And is capable of lifting up to 950kg with a 2-fall configuration.

Wired and wireless control options are available.

Frequently used with the Osler Boy 650 to provide an easy to use solution for a variety of lifting applications in very confined areas. Such as façade and balustrade installation, or simply to move materials between floors on the work site.

3 phase mains-powered. Weight of device: 31kg.

Options:

- 30m to 100m lifting height
- Pendant cable lengths
- Sheave kit (1000kg)



Pendant remote
as standard

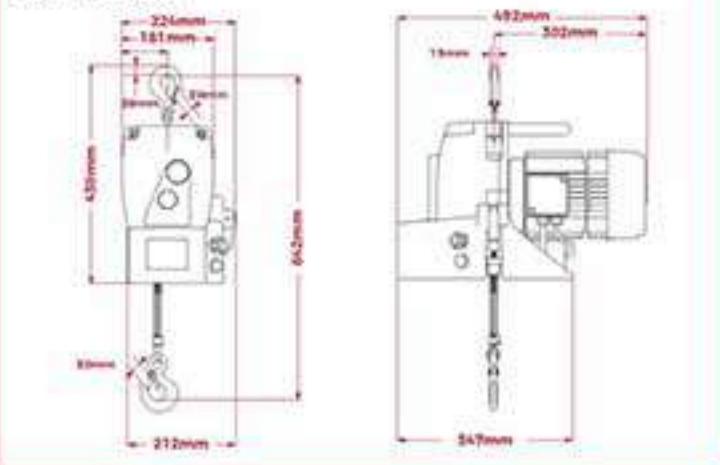


Optional 1000kg
sheave kit

- Ø wire rope:** 6.5 mm
Power supply: 1 phase - 115 V - 230 V
Control: Direct controls
- Power supply:** 3 phases - 400 V
Control: Low voltage controls 48V



Technical Data



Accessories

GGR Plate Glass Trolley [AGT25]

Technical Specification Sheet

Customers choose the popular GGR Plate Glass Trolley because it is steerable, adjustable and collapsible.

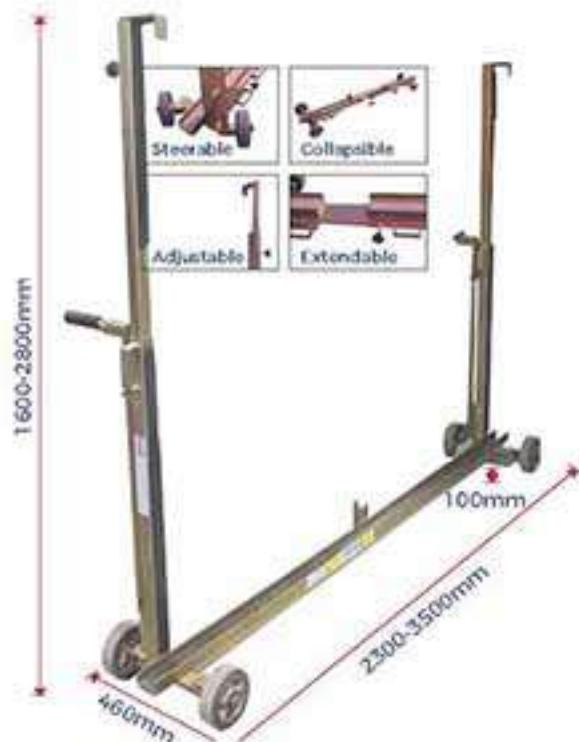
A cost effective and practical aid for the safe transportation of glass plates up to 60mm thick, this trolley steers from both ends and comes with a 400kg load capacity.

This highly portable trolley is fully adjustable between 2300mm and 3500mm to accommodate different load sizes and can easily handle glass plates up to 5500mm long.

Support rods, adjustable between 1600mm and 2800mm, clamp down on the top edge of the load to secure it into place, whilst foam rubber cushions protect against damage.

Features

- Capacity: 400kg
- Length: 2300-3500mm
- Minimum height: 1600mm
- Width with handles down: 550mm
- Width of wheels: 460mm
- Glass edge clearance/height off ground: 100mm
- Shelf width: 60mm
- Weight: 48kg



496 Plate Glass Trolley [AGT30]

Technical Specification Sheet

Transport thick glass panes, insulation panels and shop windows up to 40mm thick with this handy Window & Plate Glass Trolley 496.

This flexible trolley is fully adjustable between 2500mm and 4000mm to accommodate different load sizes. It can easily handle glass plates and window panes 6000mm long and weighing up to 700kg.

The chassis steers from each end for better control and mobility. The glass load is held securely in place with flip-switch vacuum cups that are height adjustable on 1950mm high support rods.

Features

- Capacity: 700kg
- Shelf width: 40mm
- Dimensions: 1950mm (h) x 2500-4000mm (l) x 500mm(d)
- Glass edge clearance/height off ground: 100mm
- Weight: 40kg





N5000 [68kg]

- 230mm diameter.
- This heavy duty hand cup is similar to the N4000 yet offers a more generous 68kg capacity.
- Comes with ABS plastic rustproof handle.



N6000CS [79kg]

- Curved** • 254mm diameter.
- Designed for use with curved surfaces, the N6000 has a concave pad face and its wide diameter allows a lifting capacity of up to 79kg.
 - ABS pump and handle.
 - Not for use with thin, fragile materials.

Bestseller



N5450 [68kg]

- 230mm diameter.
- With a higher capacity, the flat pad of the N5450 has flexible edges to handle materials that may bend when lifted.
- Features an all-metal pump and handle.



N6450CS [79kg]

- Curved** • 254mm diameter.
- Designed, like the N6000, with a concave pad for attaching to curved surfaces, the N6450 features an all-metal pump and handle.
 - Not for use with thin, fragile materials.

Low Vacuum Audio Alarm

An audio alarm and red-line indicator to signal any vacuum loss when using hand cups. If visual confirmation of the vacuum level is difficult the audio alarm reassures the operator that vacuum is sufficient for lifting. With automatic on/off function, the Audio Alarm is simple to operate. Powered by 1 x AAA battery.



Please Note: Pad colors are subject to change without prior notification. This does not affect the capacity, effectiveness or quality of the hand cup.







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