



**BEFARD XC**  
ASSEMBLY ROBOTS

## ***XC ASSEMBLY ROBOTS***

**BEFARD XC** series assembly robots are irreplaceable units during installation and transportation of windows, panes and other flat surfaces. Depending on configuration, they may have the range above 5 meters and lifting capacity up to **800 kg**. Battery-powered, electric & hydraulic BEFARD robots work excellently both outdoors, e.g. **on yards in front of the buildings, and inside the buildings.**

BEFARD XC robots, regardless of the variant, ensure the possibility of lateral sliding of the frame with suction cups by 100 mm, such solution allows operation of the lateral slide hydraulic actuator thanks to which the window can be placed precisely in the window opening. It is also possible to increase the spacing between suction cups, thus achieving bigger or smaller surface area depending on the needs and size of the pane being transported.

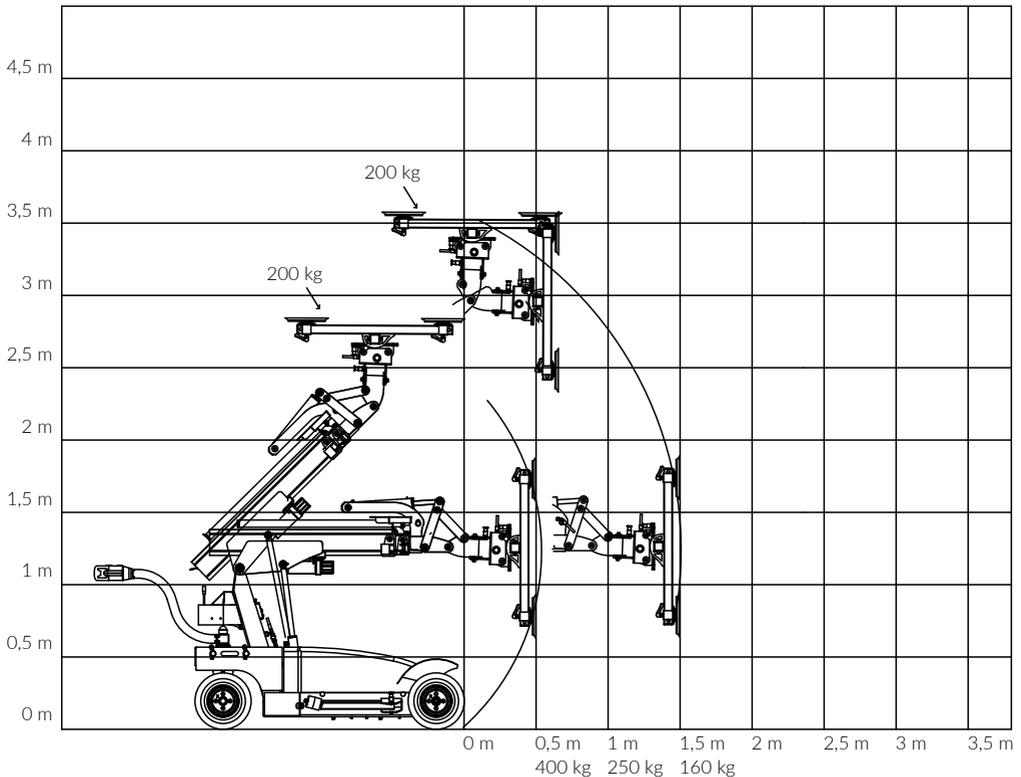
### ***ADDITIONAL OPTIONAL FUNCTIONS:***

- suction cups with adjustable distance from the frame,
- double wheels in the front (twin),
- additional hydraulic extension arm,
- hydraulic rotation – manual rotation in the standard variant,
- hydraulic lateral tilting – manual tilting in the standard variant,
- radio control – control from the switching panel on the unit in the standard variant,
- covers for suction cups.

## BEFARD XC 400

One hydraulic extension arm

Adding two hydraulic functions increases the unit's range by 15 cm, thus giving the **total range of 3.7 m**. The diagram presents lifting capacity for the basic variant of the unit excluding any additional hydraulic functions (rotation and tilting).



Lifting capacity:  
400 kg



Number of  
suction cups: 4

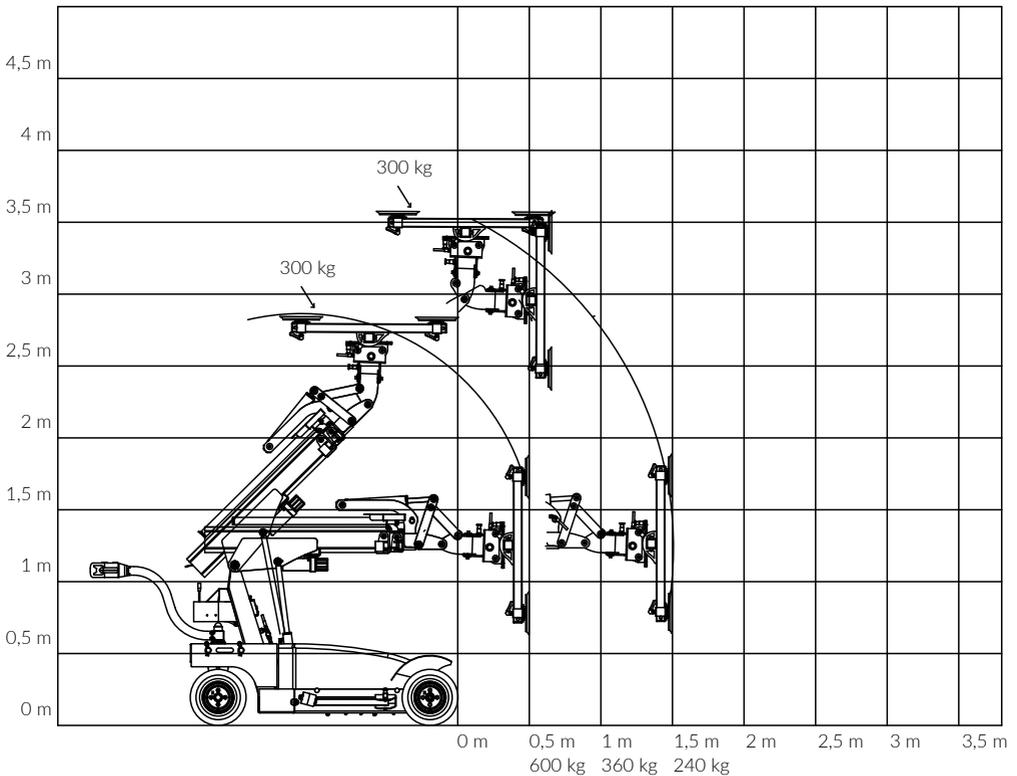


Designed  
and manufactured  
entirely in Poland

## BEFARD XC 600

One hydraulic extension arm

Adding two hydraulic functions increases the unit's range by 15 cm, thus giving the **total range of 3.7 m**. The diagram presents lifting capacity for the basic variant of the unit excluding any additional hydraulic functions (rotation and tilting).



Lifting capacity:  
600 kg



Number of  
suction cups: 6

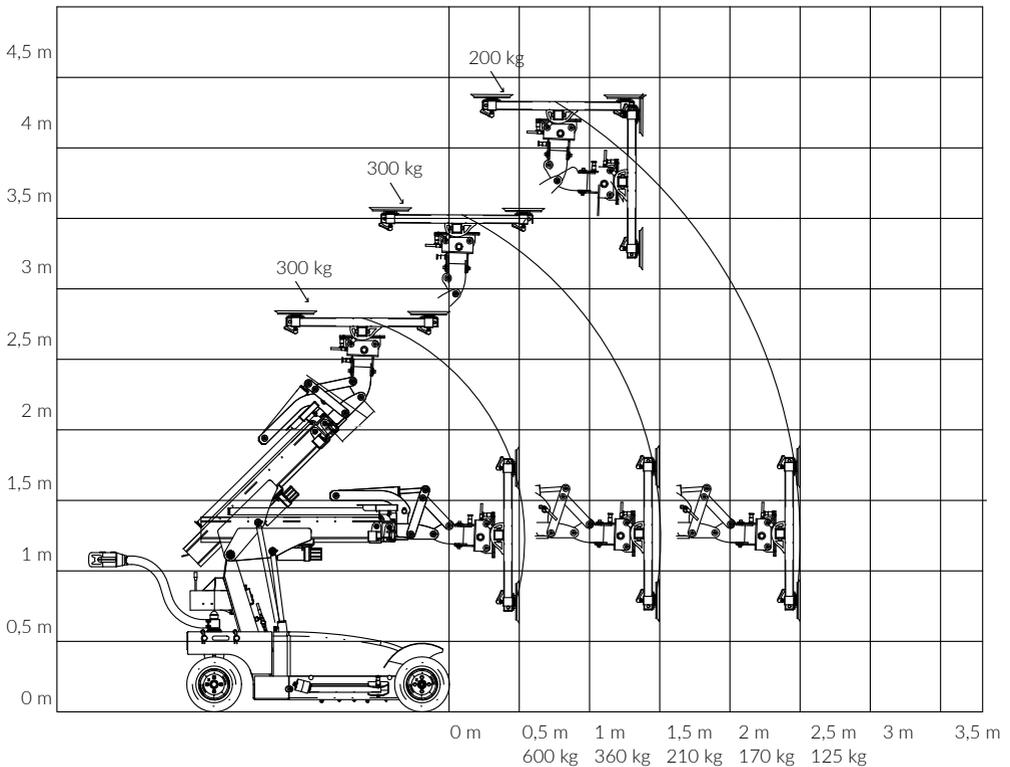


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## BEFARD XC 600

One hydraulic extension arm

Adding one or two hydraulic functions increases the unit's range by 15 cm, thus giving the **total range of 4.4 m**, and changes its lifting capacity. The diagram presents lifting capacity for the basic variant of the unit excluding any additional hydraulic functions (rotation and tilting).



Lifting capacity:  
600 kg



Number of  
suction cups: 6

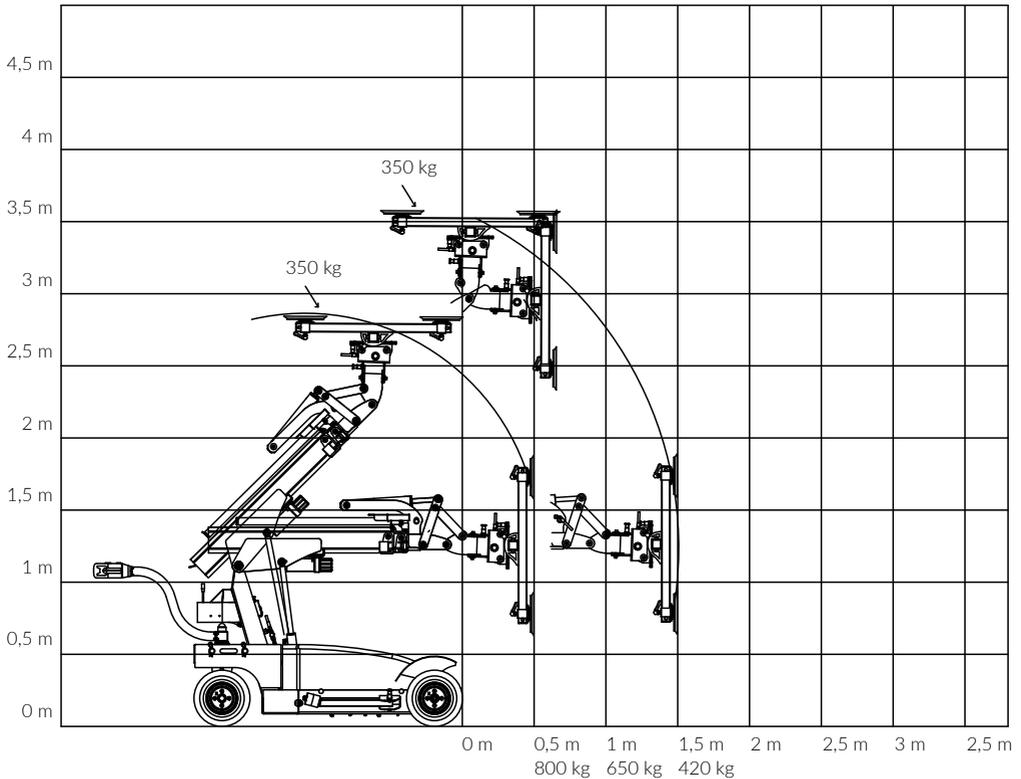


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## BEFARD XC 800

One hydraulic extension arm

Adding one or two hydraulic functions increases the unit's range by 15 cm, thus giving the **total range of 3.7 m**, and changes its lifting capacity. The diagram presents lifting capacity for the basic variant of the unit excluding any additional hydraulic functions (rotation and tilting).



Lifting capacity:  
800 kg



Number of  
suction cups: 8

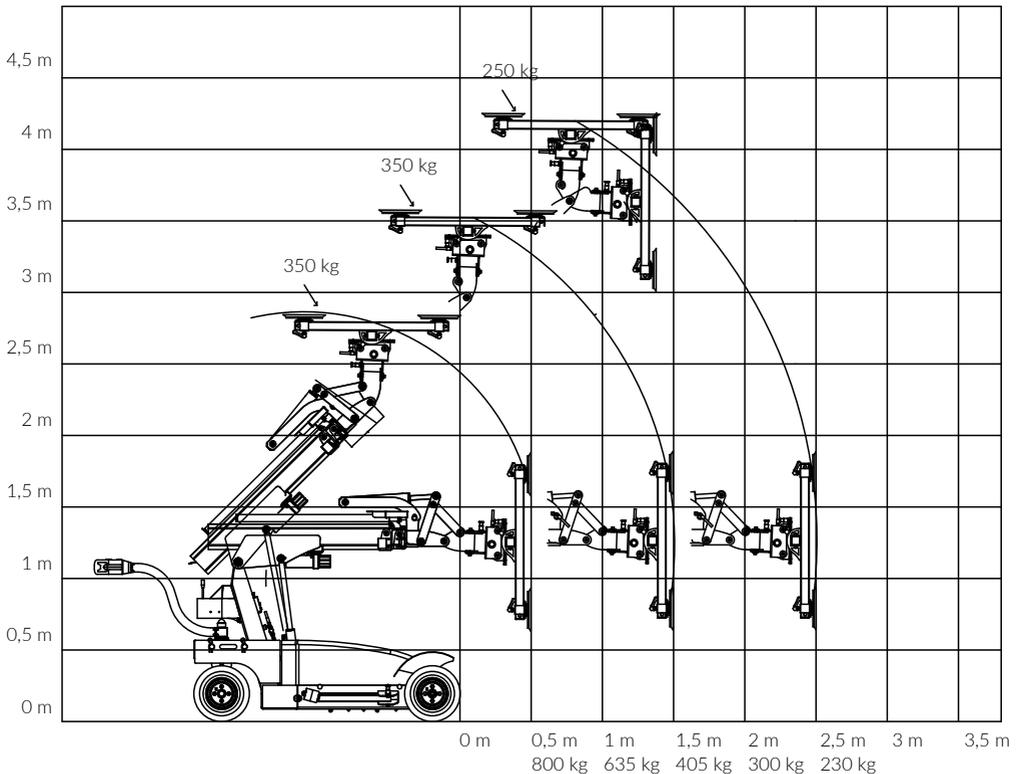


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## BEFARD XC 800

Two hydraulic extension arms

Adding one or two hydraulic functions increases the unit's range by 15 cm, thus giving the **total range of 4.4 m**, and changes its lifting capacity. The diagram presents lifting capacity for the basic variant of the unit excluding any additional hydraulic functions (rotation and tilting).



Lifting capacity:  
800 kg



Number of  
suction cups: 8

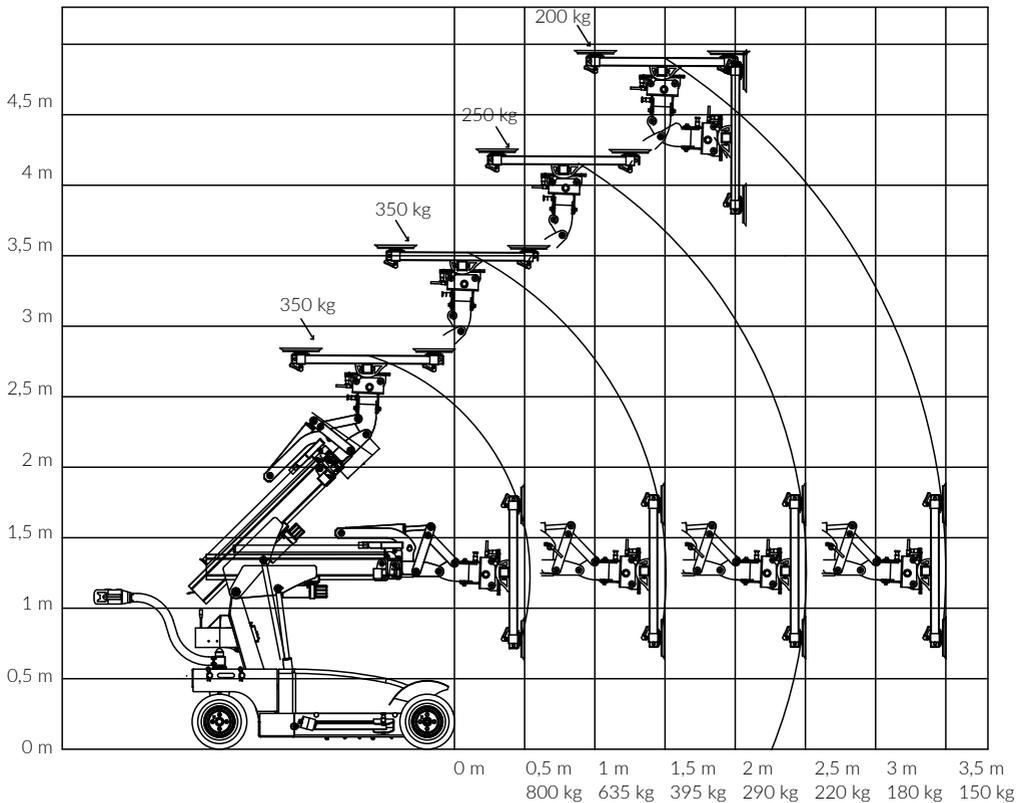


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## BEFARD XC 800

Three hydraulic extension arms

Adding one or two hydraulic functions increases the unit's range by 15 cm, thus giving the **total range of 5.1 m**, and changes its lifting capacity. The diagram presents lifting capacity for the basic variant of the unit excluding any additional hydraulic functions (rotation and tilting)



Lifting capacity:  
800 kg

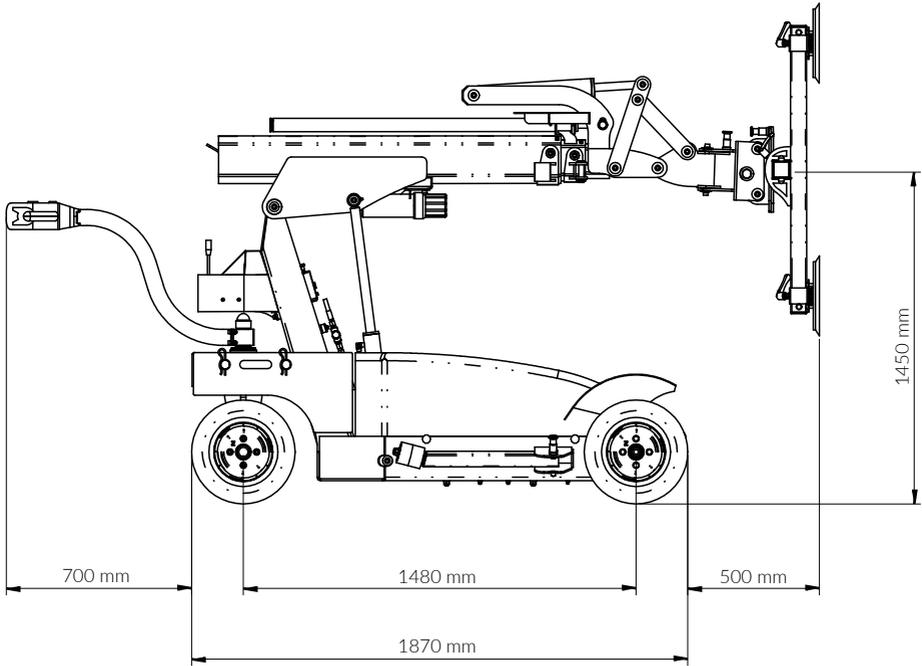


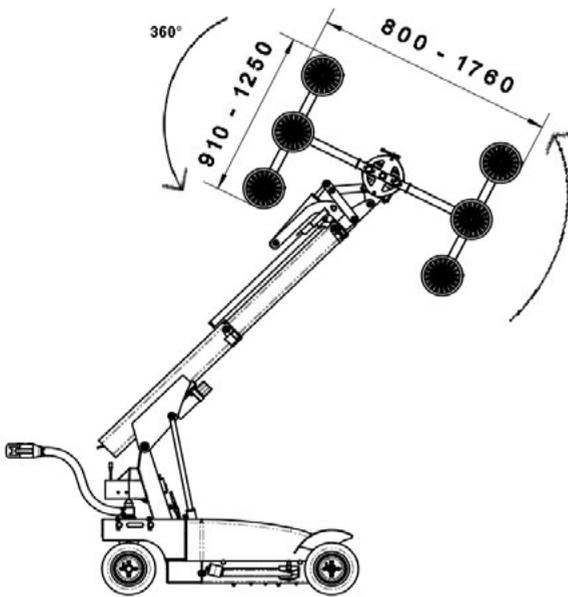
Number of  
suction cups: 8



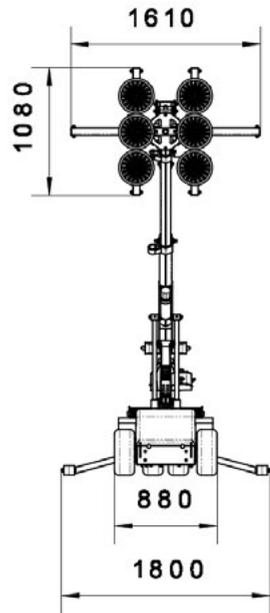
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## DIMENSIONS OF BEFARD XC400 / XC600 / XC800 ROBOTS

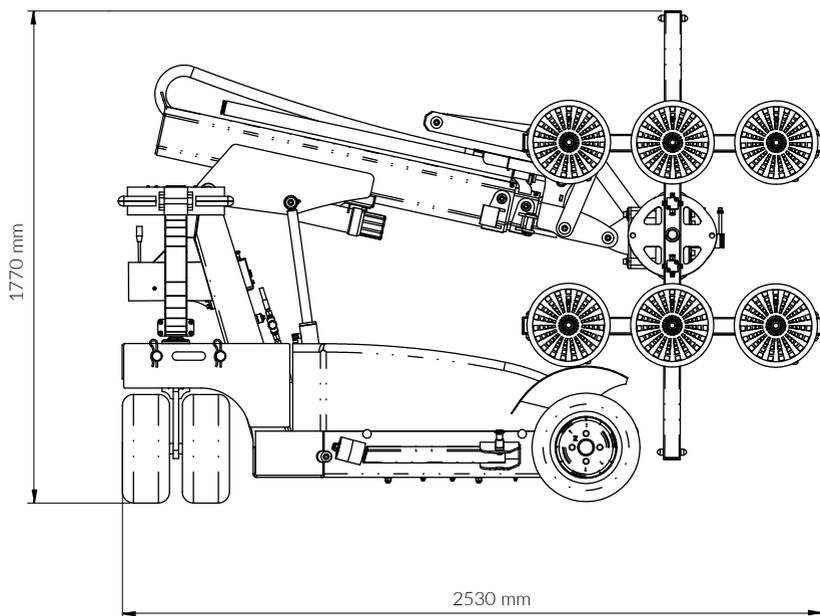




Maximum spacing of suction cups

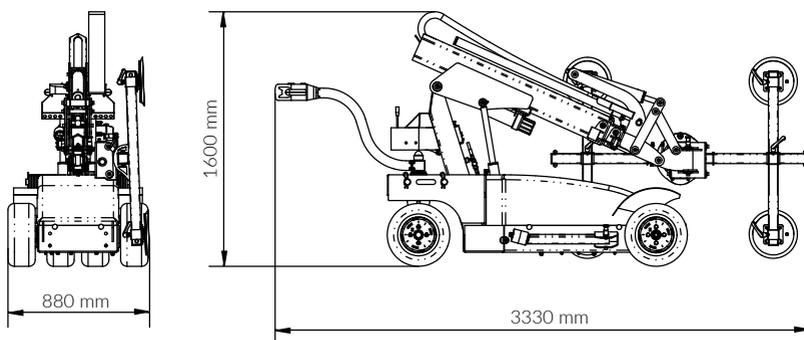


Frame spacing

**TRANSPORTATION DIMENSIONS**

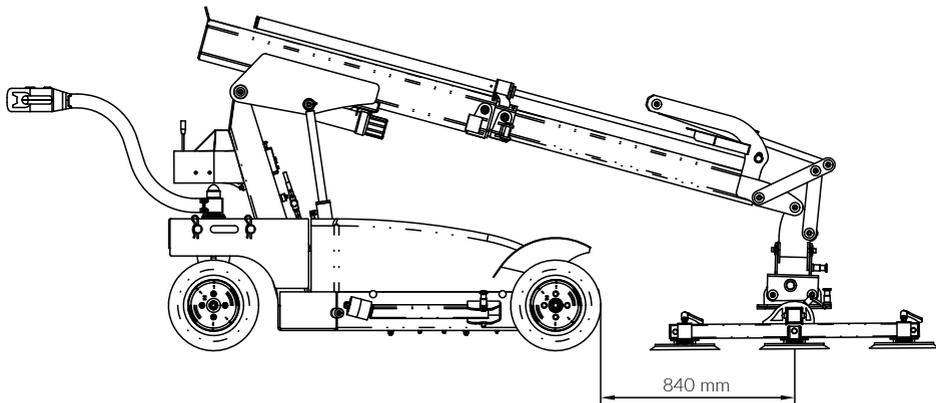
Variant I

(suction cup frame - vertical; steering wheel - folded to the side)

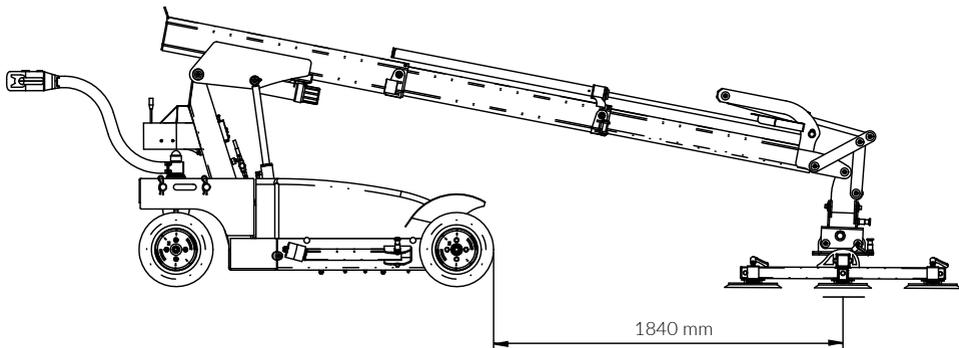


Variant II

(suction cup frame - horizontal; steering wheel - straight)

**START-UP RANGE FOR LIFTING FROM THE GROUND**

Variant I  
(1 hydraulic extension arm)



Variant II  
(2 hydraulic extension arms)

