



## Series KOMBI



KOMBI is a hybrid vacuum lifter designed for **the installation of glass and sandwich panels** on construction site. The vacuum lifter is powered by high-capacity rechargeable and removable batteries. In compliance with European Laws EN13155, KOMBI is equipped with a dual vacuum circuit and safety devices.

This model can be equipped with four or eight suction pads specifically for handling **glass sheets and windows up to 1200kg**. Besides the suction cups for glass, it is possible to add four long and narrow suction pads specific for **roof and wall insulated panel up to 250kg**. The suction pads, placed on removable arms, adapt to flat, micro-ribbed and trapezoidal surfaces, thus ensuring a firm grip onto the load.

KOMBI allows the **0-90° tilt and 360° rotation** of the load by pulling dedicated plungers. On request, it is possible to have both movements powered. Load suction and release can be manually activated by sliding a dual-action command valve. The wireless control via radio remote control is available as optional.

### Technical specifications

<b>Application</b>	Glass and windows installation Installation of roof and wall sandwich panels
<b>Lifting capacity</b>	Glass – max 400/600/800/1200 kg (please specify during order) Sandwich Panels - max 250 kg
<b>Load movement</b>	0-90° tilting system 360° continuous rotation with possibility of lock every 90°
<b>Power supply</b>	DC vacuum pump powered from on-board batteries High-capacity re-chargeable batteries with battery level indicator Battery charger included Quick change battery pack
<b>Vacuum system</b>	2 independent vacuum circuits, each vacuum circuit with vacuum reserve and non-return valve
<b>Tare</b>	Depends on configuration
<b>Control</b>	Manual ON/OFF valve for load suction and release Release of the load by dual action security command Radio remote control for load suction and release (optional)
<b>Technical features</b>	Audible and visual low vacuum warning devices Vacuum gauge for each vacuum circuit Battery charger 240 Volt



0-90° tilting system



Dual vacuum circuit

Radio remote  
as optional

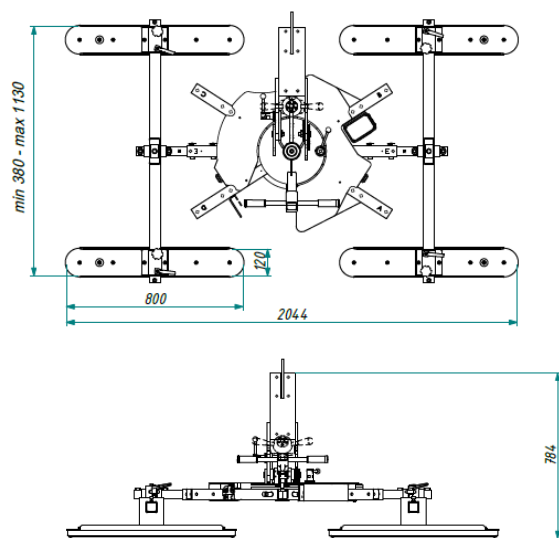
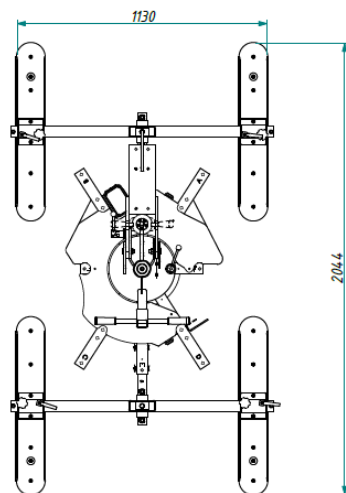
Safety system



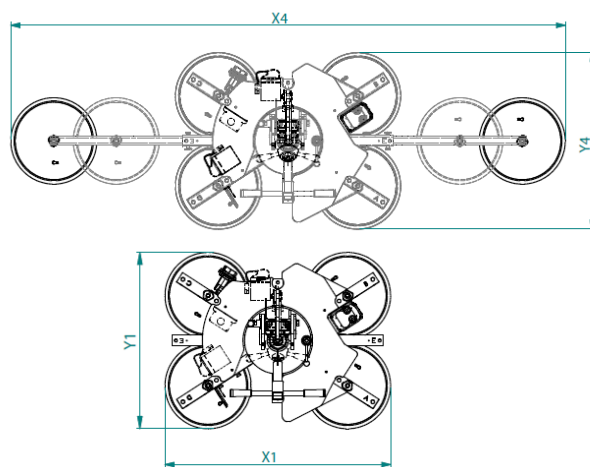
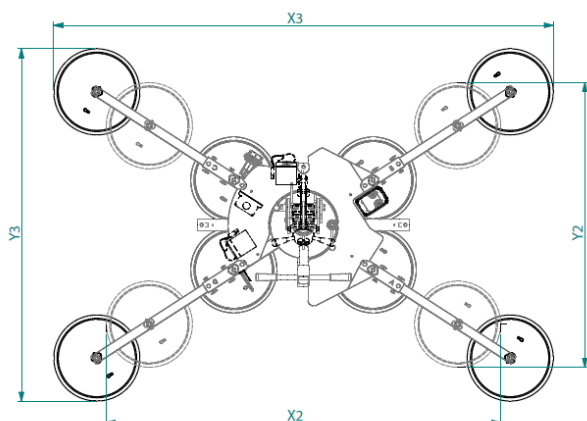
Hybrid frame



### Technical drawings for sandwich panels



### Technical drawings for glass installation



Capacity and pad spread with suction pads Ø 310mm

Configurations			Suction pad spread
Pads in use	Config. capacity (kg)	Dimensions	mm
4	400	X1 * Y1	863 * 666
4 + 4	800	X2 * Y2	1700 * 1210
4 + 4	800	X3 * Y3	2145 * 1488
4 + 2	600	X4 * Y4	2430 * 715

Capacity and ad spread with suction pads Ø 390mm

Configurations			Suction pad spread
Pads in use	Config. capacity (kg)	Dimensions	mm
4	600	X1 * Y1	1019 * 795
4 + 4	1200	X2 * Y2	1780 * 1290
4 + 4	1200	X3 * Y3	2248 * 1596
4 + 2	900	X4 * Y4	2510 * 800