

### KAPPA-LEVATOR

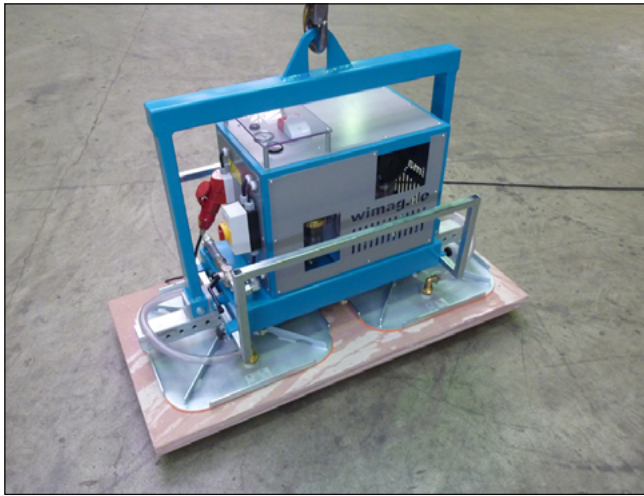


Patented / Application Made for Patent

Kappa Levator with combustion engine,  
carrying capacity 3,000 kg

**The strong vacuum lifter for heavy pieces  
comes with a petrol engine, an electric motor for 400 V – 50 Hz or via the  
hydraulic system on the lifting equipment**

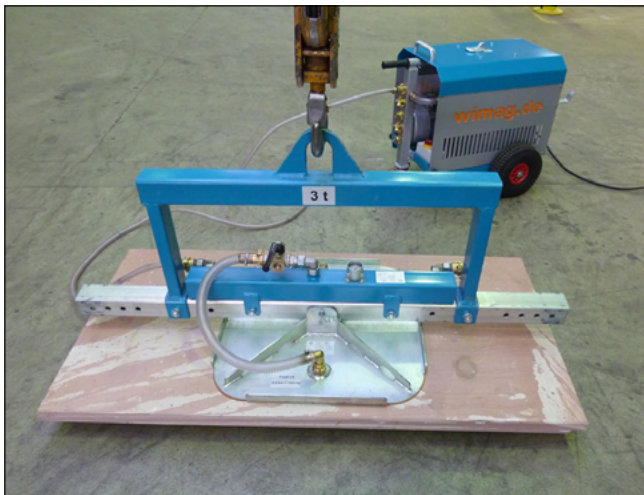
## Kappa Levator: the strong vacuum lifter for the handling of natural stones, concrete plates, pipes, metal plates ...



The Kappa Levator is the strongest member of our Levator technology. It is specially designed for the handling of heavy and/or porous material, where a large volume flow and a high low pressure are required. The Levator can be suspended to any kind of carrying equipment such as an excavator or a wheel loader by means of the load hook.

The vacuum is created by a powerful vane-type rotary pump. This robust pump is oil-greased, designed for non-stop operation and produces very little noise.

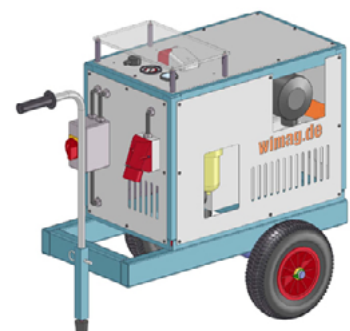
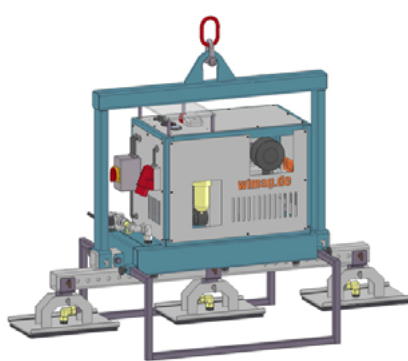
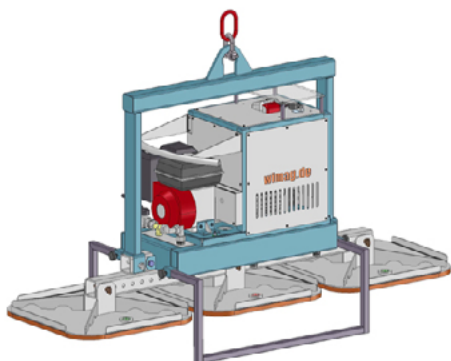
The drive of the vacuum pump is actuated by a petrol engine, an electric motor or the hydraulic system on the lifting equipment (e.g. excavator).



Immediately after positioning the Levator, it attaches itself securely to the surface. To release the Levator, open a valve by hand. The vacuum is controlled by a visual warning sign. Vacuum storage, air and water filter are integrated within the equipment.

For transport both handles can be reinserted and thus protect the suction pads. The self-adhesive sealings are to be changed in a fast and easy manner.

The Kappa Levator can also be delivered as a moveable basic unit to connect separate suction pads. For manual operation also different suction pads can be connected with the basic unit at the same time.



The Kappa Levator must only be used close to the ground (max 1.8 m above ground). According to EN 13155 the vacuum lifter must be additionally equipped with a form-locking holding device (eg. with two safety chains) during operation on site.



	Order No.	Model	Dimensions mm	Carrying Capacity	Weight
<b>Drive</b>	<b>860 100</b>	<b>Kappa-Levator with Honda petrol engine</b> and carrying module, 4 kW	1.500x750x1.200		205 kg
	<b>860 200</b>	<b>Kappa-Levator with electric motor</b> 400 V - 50 Hz and carrying module	1.500x750x1.200		200 kg
	<b>860 300</b>	<b>Kappa-Levator with hydraulic pump</b> to be connected to the hydraulic system on the lifting equipment (with the following require- ments: 16l/min, 150 bar, free runback, conti- nuous oil flow)	1.500x750x1.200		160 kg
	<b>860 500</b>	<b>Kappa-Levator fitted with moveable wheels</b> with electric motor 400 V - 50 Hz	900 x 650 x 750		
<b>Suction pads for operating with lifting equipment</b>	<b>860 408</b>	1 piece suction pad SP 250 2 pieces suction pads SP 250 3 pieces suction pads SP 250	275 x 425 275 x 870 275 x 1.315	250 kg* 500 kg* 750 kg*	10 kg 20 kg 30 kg
	<b>860 409</b>	1 piece suction pad SP 500 2 pieces suction pads SP 500 3 pieces suction pads SP 500	500 x 500 500 x 1.020 500 x 1.540	500 kg* 1.000 kg* 1.500 kg*	16 kg 32 kg 48 kg
	<b>860 411</b>	1 piece suction pad SP 1000 2 pieces suction pads SP 1000 3 pieces suction pads SP 1000	650 x 650 650 x 1.500 650 x 2.200	1.000 kg* 2.000 kg* 3.000 kg*	25 kg 50 kg 75 kg
		Special suction pads with special carrying mo- dules on request			
<b>Form lok- king device</b>	<b>860 402</b>	Safety chains according to EN 13155 for use on construction sites	Working length 6,0 m		8 kg
<b>Suction pads for manual lif- ting</b>		see prospectus 840 Uni-Levator			

\* The maximum carrying capacity on an optimal surface will work at a low pressure of -0.65 bar. In the case of rough or porous surfaces, the carrying capacity decreases or does not exist.

## Applications



Kappa Levator with combustion engine, carrying module with 2 special suction pads for pipes of DN 500, carrying capacity 1,000 kg.



Kappa Levator with electric motor, carrying capacity 800 kg.

## Special Designs

X-shaped and adjustable tie-bar with integrated Kappa Levator with combustion engine.

Equipped with six adjustable suction pads which can be switched off individually.

Designed for a tank and apparatus engineering company to be used for charging machines with large-sized stainless steel plates.

Carrying capacity:	with 6 suction pads:	6.000 kg
	with 4 suction pads:	4.000 kg
	with 2 suction pads:	2.000 kg

Plate diameter:	maximum:	8.500 mm
	minimum:	3.000 mm



Vacuum tie-bar for steel plates  
Safe working load 2.500 kg  
Length 9 m  
Width 2 m