WiMAG

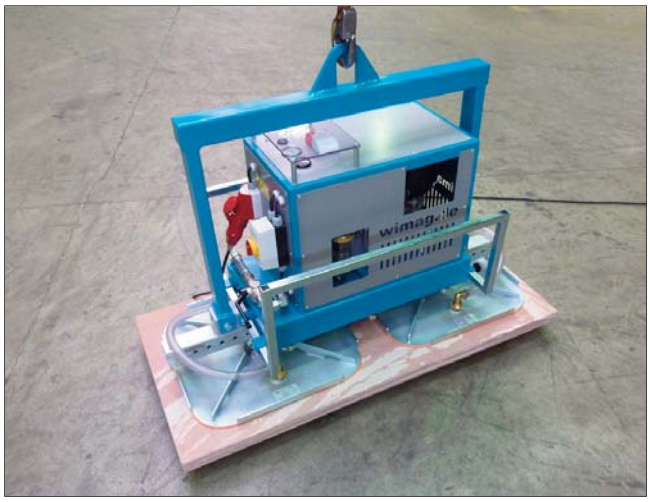
860

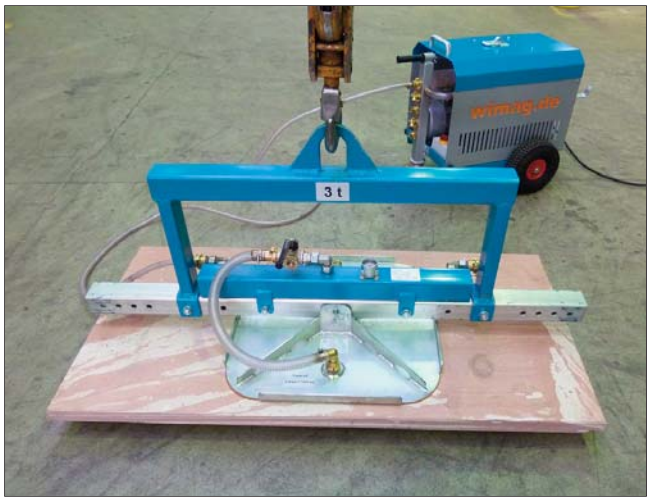
KAPPA-LEVATOR

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.

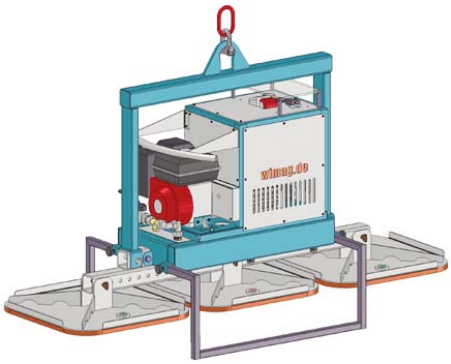
The vacuum is created by a powerful vane-type rotary pump. This robust pump is oil-greased, designed for non-stop operation and produces very little noise.

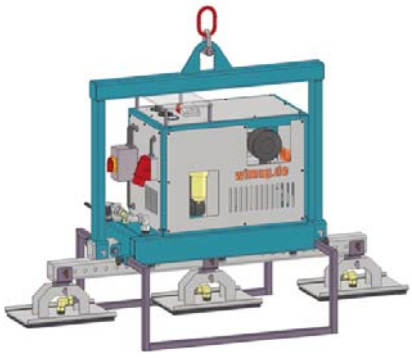
The drive of the vacuum pump is actuated by a petrol engine, an electric motor or the hydraulic system on the lifting equipment (e.g. excavator).

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
Drive	**860 100**	**Kappa-Levator with Honda petrol engine** and carrying module, 4 kW	1,500x750x1,200		205 kg
	860 200	**Kappa-Levator with electric motor** 400 V - 50 Hz and carrying module	1,500x750x1,200		200 kg
	860 300	**Kappa-Levator with hydraulic pump** to be connected to the hydraulic system on the lifting equipment (with the following requirements: 16l/min, 150 bar, free runback, continuous oil flow)	1,500x750x1,200		160 kg
	860 500	**Kappa-Levator is fitted with moveable wheels** with electric motor 400 V - 50 Hz	900 x 650 x 750		
Suction pads for operation with lifting equipment	**049 044**	1 piece suction pad SP 400 2 pieces suction pads SP 400 3 pieces suction pads SP 400	270 x 460 270 x 1,000 270 x 1,500	400 kg* 800 kg* 1,200 kg*	8 kg 16 kg 24 kg
	049 043	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 modules on request			
Form locking device	**860 401**	Safety chains for SP 400 and according to EN 13155 for use on construction sites	Working length 3.0 m		8 kg
	860 402	Safety chains for SP 1000 and according to EN 13155 for use on construction sites	Working length 3.0 m		8 kg
Suction pads for manual lifting		see prospectus 840 Uni-Levator			

* The maximum carrying capacity on an optimal surface will work at a low pressure of -0.9 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.

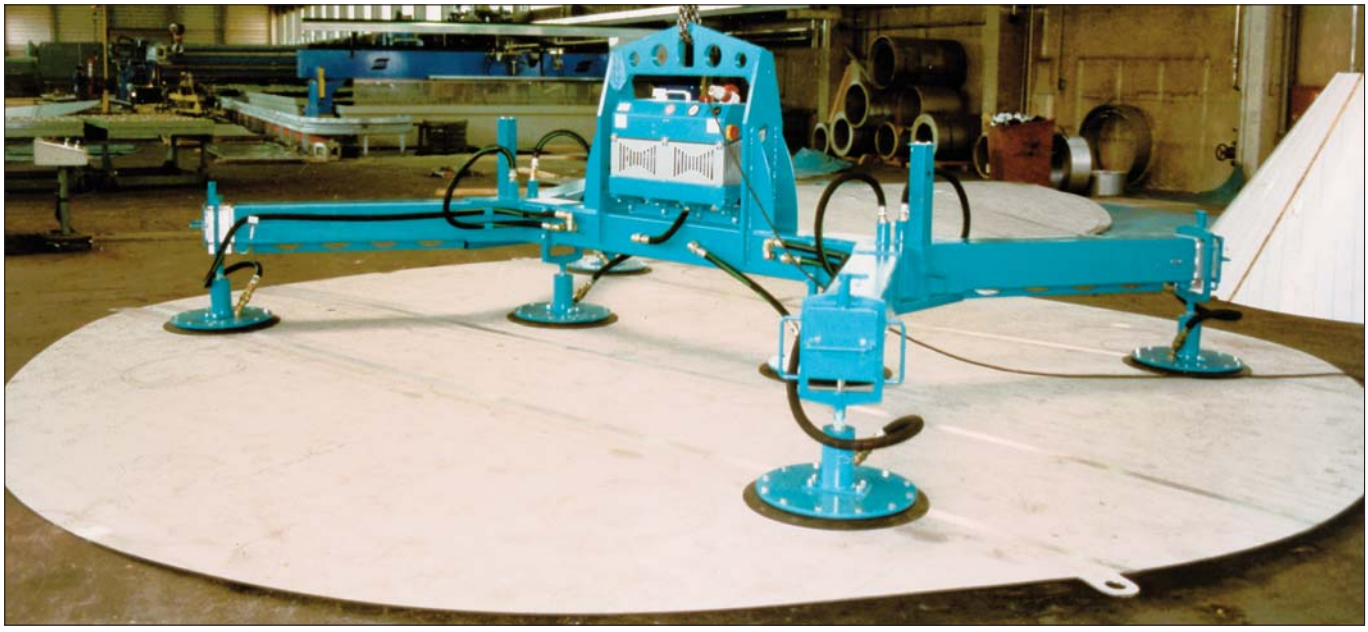
Special Designs

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
Lenght	9 m
Width	2 m