

Technical specifications

Specifications	KG6.000	KG8.000	KG10.500
Motor power [kW]	4	5,5	7,5
Turbo fan	5-stage	5-stage	5-stage
Voltage [V/Hz] *	400/50	400/50	400/50
Negative pressure [kPa]	16- 22	18 - 22	23
Air displacement [m³/h]	400 - 600	600 - 700	700
Filter surface area [m²]	4,2 / 5,8 / 11,6	4,2 / 5,8 / 11,6	4,2 / 5,8 / 11,6
Filter permeability	< 0,1%	< 0,1%	< 0,1%
HEPA filter surface area [m²]	7	7	7
HEPA filter permeability	< 0,003%	< 0,003%	< 0,003%
Dust container capacity [L]	120	120	120
Noise level [dB(A)] **	70	71	72
Hose attachment [mm]	ø 60 / 80	ø 60 / 80	ø 60 / 80
Dimensions L x W [mm]***	1.490 x 810	1.490 x 810	1.490 x 810
Body diameter [mm]	ø 630	ø 630	ø 630

Specifications	KG10.700	KG15.000	KG20.000
Motor power [kW]	7,5	11	15
Turbo fan	7-stage	7-stage	7-stage
Voltage [V/Hz] *	400/50	400/50	400/50
Negative pressure [kPa]	31- 23	35 - 28	34
Air displacement [m³/h]	680 - 780	750 - 900	980
Filter surface area [m²]	4,2 / 5,8 / 11,6	4,2 / 5,8 / 11,6	4,2 / 5,8 / 11,6
Filter permeability	< 0,1%	< 0,1%	< 0,1%
HEPA filter surface area [m²]	7	7	7
HEPA filter permeability	< 0,003%	< 0,003%	< 0,003%
Dust container capacity [L]	120	120	120
Noise level [dB(A)] **	70	72	73
Hose attachment [mm]	ø 60 / 80	ø 60 / 80	ø 60 / 80
Dimensions L x W [mm]***	1.490 x 810	1.490 x 810	1.490 x 810
Body diameter [mm]	ø 630	ø 630	ø 630

\*Other voltages per request.

\*\*Measured at 1 m.

\*\*\*Height is model dependent (1,595 - 2,050 mm).

**Kiekens Products**

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**KG**  
**Kiekens Giant**



Do not clean filter with turn  
Filterabreinigung nur bei ab  
betätigen  
Ne pas décolmater avec mo  
tournant  
Filter niet reinigen wannee  
Para sacudir el filtro par  
Filtret får ej skakas förrän  
Älä puhdistu suotima puho



Kiekens is an international company specialising in the design, supply, installation and maintenance of dust extraction systems, industrial vacuum cleaners and fans. We offer both series produced, as well as customer-specific systems suitable for a wide range of applications.

### Kiekens Giant (KG)

The reliable Kiekens KG series of industrial vacuum cleaners is ideally suited for vacuuming large quantities of (heavy) dust or as multi-point plug-and-play vacuum units in a central vacuum system.

The KG model features a rugged, modular steel construction, enabling the creation of a custom industrial vacuum cleaner with a choice of various frames, dust extraction options, filters, and suction units. You can create your own KG to meet any challenge.

The large filter surface and powerful mechanical or compressed air-controlled filter cleaning ensure effective dust collection and long filter life. A model with a HEPA filter is available for vacuuming hazardous substances.

The specially designed 5 or 7-stage, high-efficiency turbochargers with capacities up to 900 m<sup>3</sup>/h allow continuous use. All with a very low noise level.

### KG – serie

The modular and KG industrial vacuum cleaners are ideal for vacuuming large quantities of dust and bulk material. They are specifically designed as plug-and-play high-vacuum suction units in a central vacuum system.

The KG's power enables users to vacuum in several areas simultaneously.

### ATEX 114

The industrial vacuum cleaners can be designed for use in danger zones 2 (gas) and 22 (dust) in accordance with ATEX Directive 2014/34/EU. For use in other areas, a KG industrial vacuum cleaner can be customised on request.



### Large air capacity

The Kiekens KG series guarantees a large and stable air capacity for the extraction of large quantities of dry dust and shavings. It can be used without any problems for bulk extraction in combination with one of the Kiekens pre-separators.

### High suction power

The KG vacuum cleaners are characterised by high negative pressure in combination with a large airflow quantity. This allows them to easily overcome resistance from long pipelines and suction hoses while maintaining suction power. The minimum air velocities required for adequate air transport are guaranteed.



### Areas of application

Kiekens KG industrial vacuum cleaners are perfect for vacuuming fine and/or hazardous materials in the metal, plastics, glass, electrical, ceramic, chemical, food, paint, and pharmaceutical industries.

### Filtration

The Kiekens KG series is equipped with a generously sized dust class "M" folded-cloth filter combined with mechanical filter cleaning and—depending on the model—is equipped with an automatic filter shaker.

You can also opt for electronically controlled and fully automatic Jet-Pulse cleaned cartridge filters. These filters are cleaned by a powerful blow of compressed air. Each of the four filters has its own Jet-Pulse

valve, so there is no loss of suction power during the cleaning cycle.

A dust class "H" model is available for vacuuming hazardous substances, for which a HEPA after-filter is installed. The Kiekens KG series complies with the EN 60335-2-69 standard, which is required for vacuum cleaners for vacuuming harmful dust.



Filter condition monitoring

Low-noise

Automatic phase sequence control

High suction power with low energy consumption thanks to the 5 or 7-stage turbo fan

Stationary or mobile frame



HEPA filter (optional)

Mechanically cleaned cloth filter or fully automated compressed air-cleaned cartridge filters

Ergonomic dust container lifting mechanism

Dust extraction, dust container, or funnel