

Air purifier KA-520 L | XL

Product data



Product benefits

- ▶ large HEPA filter in compliance with DIN EN 1822, class H14 (99.995 %)
- ▶ the latest energy-efficient, sound-optimised EC technology
- ▶ robust, high-quality and stable powder-coated housing
- ▶ many versatile uses (in the private and commercial sectors)
- ▶ simple 2-key operation with filter monitoring
- ▶ complies with DIN EN 60335 and German Accident Prevention Regulations for Nursery Schools and Schools. (e.g. pen and finger-safe)
- ▶ plug-in, start up without the need for tools
- ▶ high-quality "Made in Germany" materials
- ▶ hygienically safe in compliance with VDI 6022
- ▶ supplied complete with HEPA filter and integral pre-filter



The KA-520 L can be used for rooms up to 25 m² in which people spend short periods of time.

The KA-520 XL supplies greater air volume for rooms up to 50 m² and can be used in applications where noise development is of secondary importance.

Features

- ▶ Plug in – switch on
- ▶ tool-free maintenance
- ▶ transportable by two people
- ▶ not a trip hazard, safe to walk on and not liable to topple over (DIN EN 60335)
- ▶ no sharp edges (Accident Prevention Insurance Regulations for Nursery Schools and Schools and DIN EN ISO 12100-2)
- ▶ not a trip hazard, thanks to connectors
- ▶ no radiation or ozone generation
- ▶ performance verified according to DIN EN ISO 14644

Installation

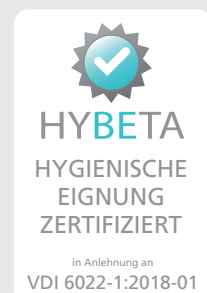
- ▶ free-standing

Air flow

- ▶ recirculating air, secondary air

Control

- ▶ Very simple operation using two keys. Stage I or Stage II air volume can be selected. The factory pre-set values can be adjusted on site. The unit can run in timer or continuous mode. An LED indicator displays when the filter needs to be replaced



At a glance

Dimensions (H x W x D)	▶ 665 x 350 x 400 mm
Weight	▶ 24 kg
Colour	▶ Housing RAL 9016 (traffic white) in conjunction with diffuser RAL 9006 (grey)
HEPA filter	▶ Class H 14, according to DIN EN 1822 (99.995 %)
Protection class	▶ IP 20
Power supply	▶ 230V/50Hz

Applications

Many versatile uses – in the private or commercial sector



Technical data

KA-520 L - up to an air volume of 330 m ³ /h					
Stage 1	Stage 2		Power consumption	Current consumption	Reduced infection risk**
[m ³ /h]	[m ³ /h]	dB (A)*	[W]	[A]	[%]
	330	50	33	0,30	77
180		40	12	0,12	58

KA-520 XL - bis zu einer Luftmenge von 720 m ³ /h					
Stage 1	Stage 2		Power consumption	Current consumption	Reduced infection risk**
[m ³ /h]	[m ³ /h]	dB (A)*	[W]	[A]	[%]
	720	65	171	1,28	90
	700	64	161	1,19	89
650	650	63	138	1,02	88
535	535	59	92	0,68	86
480	480	57	73	0,55	84
315		51	32	0,25	76
200		44	15	0,13	63

Adjustable air volumes

The coloured cells shows the factory pre-set values (air volumes) and associated sound level [dB(A)].

Find instructions on how to adjust the air volumes at: www.youtube.com/watch?v=j7l2A4WK9bU

* Sound pressure level. Conversion of sound power to sound pressure with a level reduction of 10 dB(A) with a room volume of 200 m³ and a mean reverberation time of 0.8.

** Applies only to transmission by expired aerosols. Coughs, sneezing and other transmission paths are not taken into account. Reduced infection risk is given compared to an unventilated room. General conditions: Air purifier in operation and room saturated with infectious aerosols. An infected person is located in the room. Reduced infection risk to a person entering the room after one hour. Mixed air is assumed (normal status). Based on the study:

Predicted Infection Risk for Aerosol Transmission of SARS-CoV-2

Martin Kriegel, Udo Buchholz, Petra Gastmeier, Peter Bischoff, Inas Abdelgawad, Anne Hartmann
medRxiv 2020.10.08.20209106; doi: <https://doi.org/10.1101/2020.10.08.20209106>

Dimensions

