

Product Parameters

Model	Voltage / frequency	Power	PM CADR	PM CCM	Formaldehyde CADR	CADR CCM	Purification energy efficiency level	Noise (sound power level)	Applicable area
KJ310G-A02	220V~/50Hz	55W	310m³/h	P4	95m³/h	F4	High-efficiency level	63dB(A)	21-37m²

* For the source of the parameters in this table, please refer to the previous notes to related contents. For actual product parameters, please refer to the Instruction Manual accompanied with the product.

Product Dimensions (Unit: mm)



Authorized Distributor in Singapore, Malaysia and Indonesia



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BROAN

You Deserve Fresh Air

Air Purifier KJ310G-A02



Effective removal of formaldehyde



Effective removal of PM2.5



Protection against bacteria



Interception of aerosol-borne viruses



Large dust holding capacity



Energy saving



Double disinfection without any dead zone

The built-in ultraviolet germicidal lamp and negative ion function can effectively disinfect and sterilize to completely eliminate pollution, so as to keep clean in life.



- **Ultraviolet sterilization:** A cold cathode ultraviolet lamp with a wavelength of 253.7nm is used to effectively eliminate a variety of common bacteria and viruses, and inhibit their growth.
- **Negative ion purification:** The unit is equipped with a negative ion generator to produce enough negative ions for physical adsorption to eliminate odors, which can effectively eliminate formaldehyde, benzene, ammonia and other harmful gases by physical adsorption. It continuously purifies indoor air in an efficient and thorough way with a refreshing effect.

Test items	Concentration of magnetic suspension (CFU/mL)	Test time (min)	Average colony forming units of the checked sample (CFU/mL)	Average colony forming units of the test sample (CFU/mL)	Kill ratio (%)
Staphylococcus aureus ATCC6538	1.6x10 ⁷	5	1.8x10 ⁶	3.6x10 ⁴	98
		5	1.9x10 ⁶	4.2x10 ⁴	97.8
		5	1.8x10 ⁶	3.9x10 ⁴	97.8
Pseudomonas aeruginosa ATCC15442	1.9x10 ⁷	5	2.0x10 ⁶	4.8x10 ⁴	97.6
		5	2.2x10 ⁶	5.6x10 ⁴	97.4
		5	2.1x10 ⁶	5.4x10 ⁴	97.4

*This table is an excerpt from the test report issued by Shenzhen Xince Standard Technical Service Co., Ltd.



Doors and windows can only block air circulation, but cannot hinder multiple pollutants.

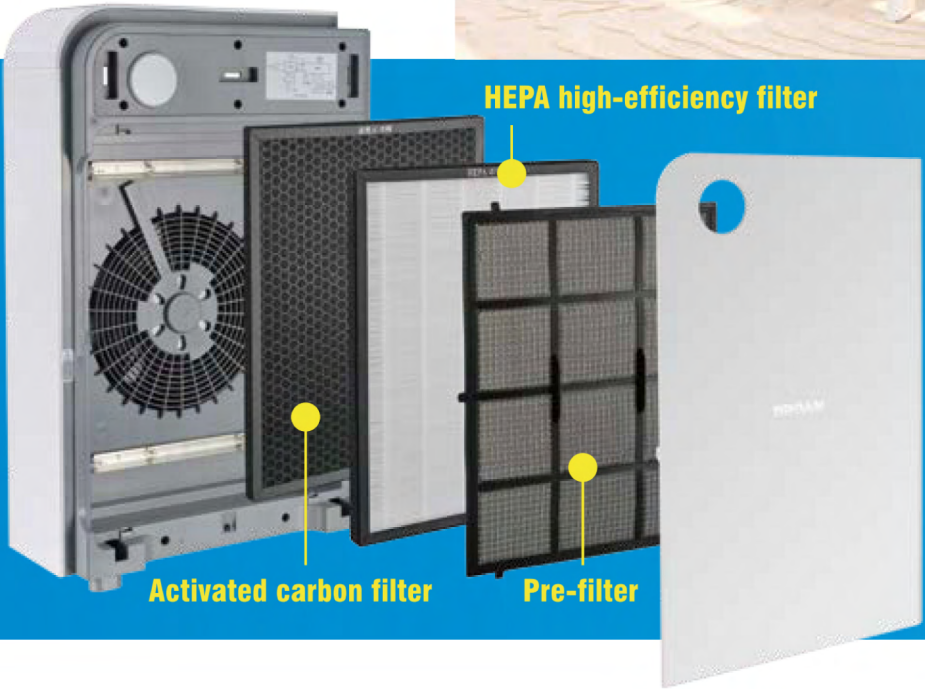
PM2.5, formaldehyde, bacteria, viruses, etc.
Complex indoor air conditions may further exacerbate the air pollution problem.



Triple filters for multiplied purification

It effectively removes such pathogens as viruses, bacteria and pollen by filtration and adsorbs such harmful organic substances as formaldehyde to fully protect your family's health.

- Fitted with a primary filter to pre-filter the larger visible impurities in the air.
- Fitted with **H13** grade HEPA filters to efficiently remove particulate pollutants and intercept virus aerosols, to protect respiratory health.
- Fitted with an activated carbon filter made of high-quality columnar activated carbons, with a large surface area, greater pore structures, a strong adsorption capacity, uniform particle distribution and high wear resistance for better adsorption, so as to greatly improve its purification capacity and effectively remove formaldehyde and odors to supply fresh air for better health.



Efficient purification for immediate enjoyment

CADR PM 310, high-efficiency purification, suitable for a space of 21-37m², purifies indoor air 3 times within 1 hour at high speed.

Pollutants	Natural attenuation constant k_n (min ⁻¹)	Natural attenuation constant k_e (min ⁻¹)	Clean air volume CADR* (m ³ /h)	Purification energy efficiency [m ³ /(h·W)]	Purification energy efficiency level
PM	0.0027	0.1756	308.5	>5	Efficient

Note: Efficient: $n \text{ PM} \geq 5.00$; Acceptable: $2.00 \leq n \text{ PM} < 5.00$

*CADR values are obtained from the testing results of the Broan laboratory.



Large dust-holding capacity, worry-free and energy-saving

The large dust holding capacity of the filter, which is the device's key consumable, can reduce maintenance and replacements and is thus cost-effective and easy to maintain.

The CCM reflects the dust-holding capacity of the filter. The larger the CCM value, the greater the dust-holding capacity of the filter, and the longer the service life of the filter under the same conditions of use. The CCM of the filter for this product is 12,000 or more at grade P4, which is the highest level of dust holding capacity of filters for particulate matters, indicating that the filter has a long life, a long replacement cycle and a low use cost. So it is an ideal choice for purchase and use.

PM CCM (mg)	>12000
Grades	P4

*This table is an excerpt from a report issued by Shanghai Junkai Environmental Engineering Co., Ltd.



DC motor, energy saving

Running for 19 hours only needs one kilowatt-hour of electricity

DC motor

Electromagnets are used on the outside and permanentmagnet materials are used on the inside.

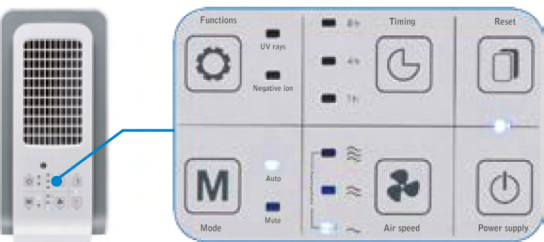
Only the outside needs electricity, significantly improving energy-saving performance.

Electric power



Smart and simple operation, without the need for a remote control

Simple visual operation panel for a one-key start to a new clean and beautiful life.



Low-noise operation for comfort and peace in mind

Its noise level of 63dB at the highest power level, which is up to the GB/T 18801 standard, gives users great comfort.

Clean air volume/(m ³ /h)	Sound power level/dB(A)≤
Q≤150	55
150<Q≤300	61
300<Q≤450	66
Q>450	70

Note: If the purifier can remove more than one target pollutant, the corresponding noise limit in the table shall be determined according to the maximum clean air volume.