

A high pressure model that sucks up adhering fine dust like a vacuum cleaner. Suitable for clean rooms. (Complies with cleanliness class 100,000 to 10,000.) This is suitable for removing adhering dust with a small diameter tube or slit nozzle.

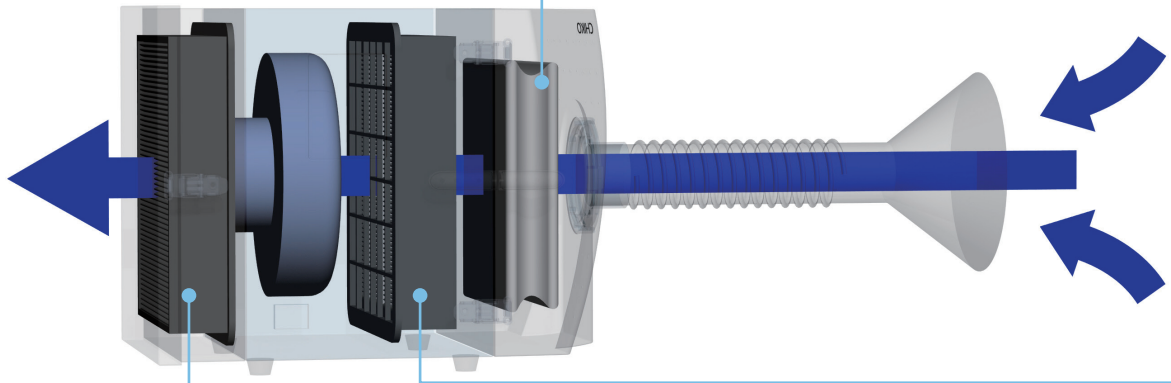
Product structure and features

Primary filter

Filter bag is made of five layers of nonwoven polypropylene fabric. The five layers have different air permeation rates to minimize clogging and provide a filtration rate of 95% or higher for particulates of 45µ and larger. The five layer filter also offers high overall strength; thus, it does not tear easily unlike a paper pack.

Secondary filter

Nonwoven polypropylene fabric is formed into a pleated filter. The outside frame is molded in ABS resin (CBA-500AT3-HC and CBA-1200AT3-HC are polypropylene). Highly effective with a filtration rate of 99% or higher for particulates of 0.3 µ.



Exhaust filter

This uses the same filter as the secondary filter, and collects particles that were not extracted by the primary and secondary filters. Also, it is installed for the purpose of collecting dust particles generated in the fan motor chamber. The filter has a filtration rate of 99% or higher for particulates of 0.3 µ, thus enabling the use of the dust collector for applications requiring cleanliness class of 100,000 to 10,000*. (Based on factory inspection data) For CKU / CBA series models ending in V1, you can easily change to V1 specification by replacing the filter even with standard specification models (CBA-500AT3-HC requires replacement of exhaust cover replacement). For CBA-1200AT3-HI-V1 and CBA-2000AT3-HI-V1, a HEPA filter is attached as a standard specification.

● Please refer to page 37 "HEPA filters" for HEPA filter types for each model. *CBA-1200AT3-HI-V1 complies with cleanliness class 1000.

Filter type

Model	Primary filter	Secondary filter	Exhaust filter	Filter for motor cooling	φ38	φ50	φ65	φ75
CBA-080AT3-HI	FB-25	CHF-2525-50	CHF-2525-50	—	FRJ-D-38-35-92	FRJ-D-50-35-92	Standard	—
CBA-500AT3-HC	FB-30	CHF-3030-50	CHF-3030-50	—	FRJ-D-38-35-108	FRJ-D-50-35-108	FRJ-D-65-35-108	Standard
CBA-1200AT3-HI-V1	FB-30	CHF-3030-50	HEP-3030-69	HEP-1293-33	FRJ-D-38-35-108	FRJ-D-50-35-108	FRJ-D-65-35-108	Standard
CBA-2000AT3-HI-V1	FB-700-22	CHF-3535-70	HEP-3535-69	—	—	—	—	—

Note: Contents may change without notice.

Easily detachable flange type (sold separately)

List of specifications

Model	Output	Voltage	Frequency	Rated current	Maximum air flow	Maximum static pressure	Noise level ^{*1}	Suction port (hose) size	Suction port sold separately (size can be changed)
CBA-080AT3-HI	450W	100V single phase	50/60	6.9A	2.2 m ³ /min	9.1kPa	57-70dB	φ65	φ50 · φ38
CBA-500AT3-HC	500W	100V single phase	50/60	7.9A	3.2 m ³ /min	9.3-9.5kPa	61-73dB	φ75	φ65 · φ50 · φ38
CBA-1200AT3-HI-V1	1200W	200V single phase	50/60	9.5A	5.5 m ³ /min	13.5kPa	60-77dB	φ75	φ65 · φ50 · φ38
CBA-2000AT3-HI-V1	1200W	200V single phase	50/60	9.5A	6.0 m ³ /min	9.6kPa	67-70dB	φ100	—
Model	To be used with 200-240V	CE compliant	Panel	Power cable	Remote control feature	Suitable for use in clean rooms	Primary filter capacity	Mass	Main body dimensions (D×W×H)
CBA-080AT3-HI	○ ^{*2}	○	AT3	3m	○	○	2.5L	10.0kg	335×290×278mm
CBA-500AT3-HC	○	○	AT3	3m	○	○	4.5L	18.4kg	452×340×328mm
CBA-1200AT3-HI-V1	Standard	○	AT3	3m	○	○	4.5L	26.7kg	537×340×351mm
CBA-2000AT3-HI-V1	Standard	○	AT3	3m	○	○	5.0L	31.0kg	472×400×399mm

*1 Measurements obtained in Scale A (dBA) from a randomly selected position at a distance of 1m using a unit with a hose connected to its suction port.

*2 Depending on the voltage used, product capability may differ slightly from the 100V product.

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