

A high pressure model that sucks up adhering fine dust like a vacuum cleaner. Suitable for clean rooms. This is suitable for removing adhering dust with a small diameter tube or slit nozzle.

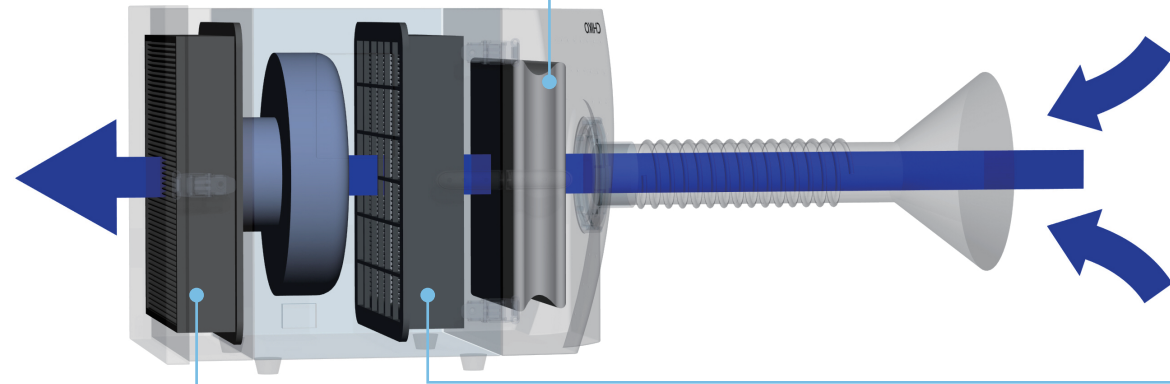
Product structure and features

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 45 μ 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-HI and CBA-1200AT3-HI-V1 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 clean class of 100,000 to 10,000*. (Based on factory inspection data). It can be used inside a clean class 1000 clean room if HEPA filter is installed.

For CKU / CBA series, you can easily change to V1 specification by replacing the filter (CBA-500AT3-HI requires replacement of exhaust cover replacement).

● Please refer to page 37 "HEPA filters" for HEPA filter types for each model.

Easily detachable flange type (sold separately)

Filter type

Model	Primary filter	Secondary filter	Exhaust filter	Filter for motor cooling	$\phi 38$	$\phi 50$	$\phi 65$	$\phi 75$
CBA-080AT3-HI	FB-25	CHF-2525-50	CHF-2525-50	—	FRJ-D-38-35-92	FRJ-D-50-35-92	Standard	—
CBA-500AT3-HI	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.

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	$\phi 65$	$\phi 50 \cdot \phi 38$
CBA-500AT3-HI	500W	100V single phase	50/60	7.9A	4.2 m ³ /min	9.5kPa	61-69dB	$\phi 75$	$\phi 65 \cdot \phi 50 \cdot \phi 38$
CBA-1200AT3-HI-V1	1200W	200V single phase	50/60	9.5A	5.5 m ³ /min	13.5kPa	60-77dB	$\phi 75$	$\phi 65 \cdot \phi 50 \cdot \phi 38$
CBA-2000AT3-HI-V1	1200W	200V single phase	50/60	9.5A	6.0 m ³ /min	9.6kPa	67-70dB	$\phi 100$	—
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	335×290×276mm
CBA-500AT3-HI	○	○	AT3	3m	○	○	4.5L	17.4kg	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	528×400×396mm

^{*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.

Note: Contents may change without notice.



CBA-080AT3-HI

CBA-500AT3-HI

CBA-1200AT3-HI-V1

CBA-2000AT3-HI-V1

Features

24 hours
continuous
operation
possible

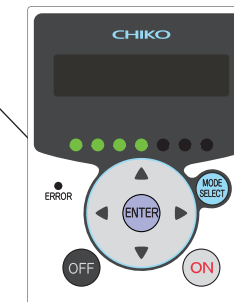
Compact, high-performance

By using a brushless motor, we have created a product with a high suction static pressure (maximum 13.5 kPa). This is suitable for sucking in adhering dust using a fine tube or slit nozzle take advantage of high suction pressure. Operating efficiency is the same at 50Hz or 60Hz. The compact design ensures that this product meets the latest miniaturization requirements and demands of our customers. This is the product that most embodies our concept of "compact high performance".

Control panel

AT3 Panel

See pages 8-9
for more details.



Remote control feature included (for remote operation)

■ Remote cable (sold separately/model: Using MT-173-8 (3 m)) enables remote operation of peripheral equipment.

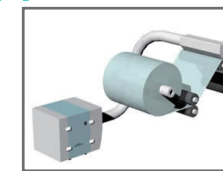


Motor cable receiving port on main body

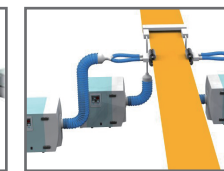
1. Operation input signal
2. Operation pressure signal (DC1-5V)
3. Filter clogging signal
4. Remote-control operation switching input signal
5. Operating signal
6. Abnormality signal
7. Change of operating level input signal (DC0-5V)
8. Gnd

- Operation ON/OFF
- Change capacity level (air volume)

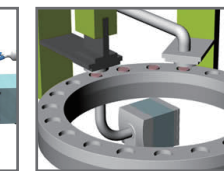
List of applications



Static elimination; removal of dirt and dust from film surface



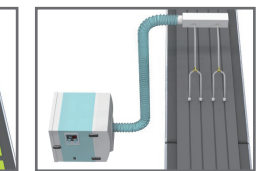
Removal of dust from film cross-section



Removal by adhesion of dust powder created when compression molding

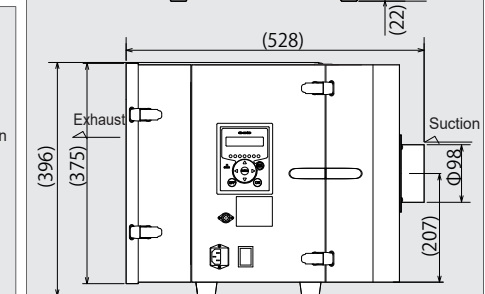
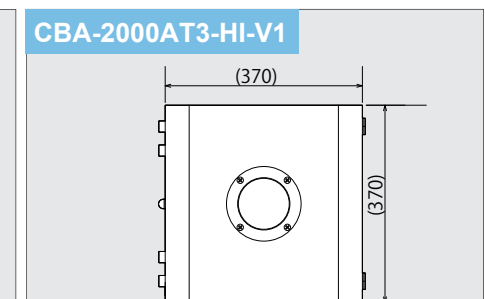
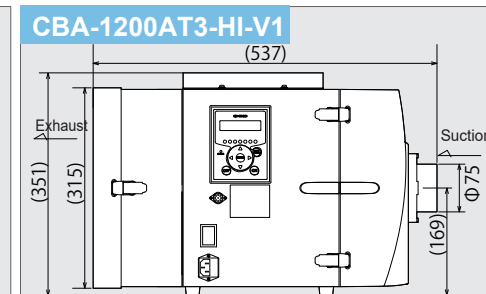
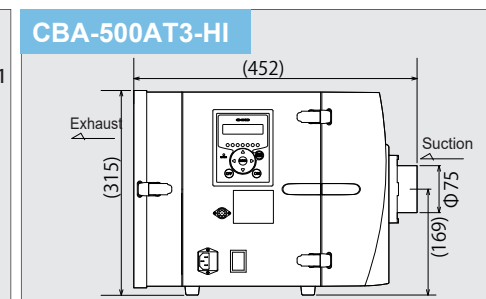
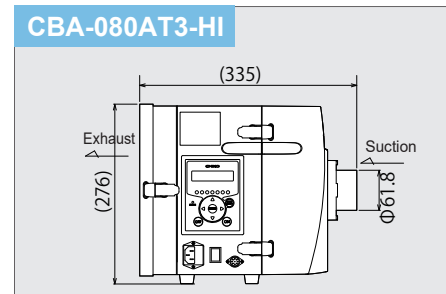
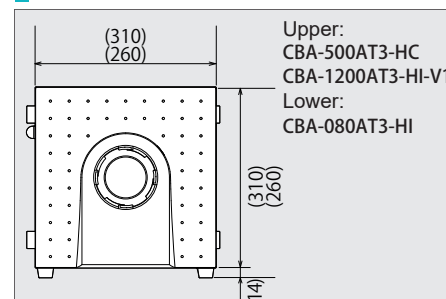


Removing of dust with a brush cleaner



Removing dust with a thin tube

Dimensions



Note: Contents may change without notice.