

Stationary units

CleanAir 4000 · 6000 · 8000 CleanAir 4000HP · 8000HP

is a stationary unit used both in the large industrial facilities and smaller production plants.

Optimally designed construction of the devices enables to achieve minimal air flow resistance. Their capacity varies from 4000 to 8000 m³/h in one module and up to 20.000 m³/h in three interconnected modules. Such high performance allows for the use of these devices for the environmental protection (extraction sleeves), push-pull ventilation system operating in a closed circuit, general ventilation system (operating in an opened circuit), as well as for the extraction system of pollutants from the thermal cutting tables.

Used in processes such as:

- ▶ thermal and mechanical cutting,
- ▶ welding,
- ▶ grinding,
- ▶ polishing,
- ▶ pouring,
- ▶ processing of plastics,
- ▶ other bothersome industrial processes requiring air purification.



energy-saving and economical

- high efficiency already at power 4 kW (3x400V)



ergonomic

- modular construction
- easy assembly and connection
- speed regulation – inverter
- pneumatically closed, easy to empty dust container
- installation inside or outside the hall



filtering three-stage

- expansion chamber
- cartridge filters
- post filter



security and occupational hygiene

- low sound level
- dust filtration: 99.98%
- expansion chamber – spark trap
- protection against voltage surges



modifications

- automatic precoating system (ASP)
- winter-summer compartment module*

* during the heating period, the module allows the circulation of warm, clean air inside the room, and in the summer period the heated air is directed outside.



The models CleanAir are equipped with the highest-class filter cartridges, separating the dust with effectiveness of 99,98%. Their size and surfaces are optimally selected for each device. The ergonomic mounting system saves user's time and hardship connected with filter replacement. Each device contains the integrated expansion chamber playing the function of „spark catcher“. The device is adapted for using the „winter-summer“ air distribution system. The noise level is worth mentioning and it oscillates between 73 dB (A) from the distance of 1 m.

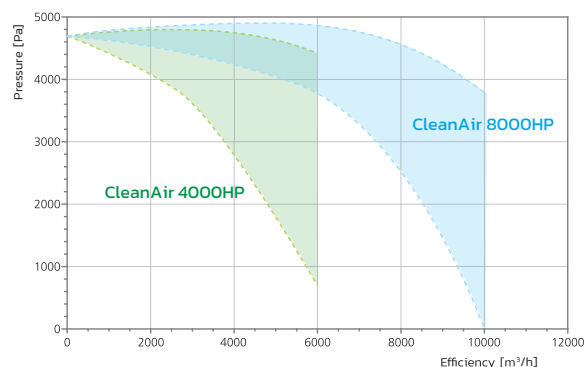
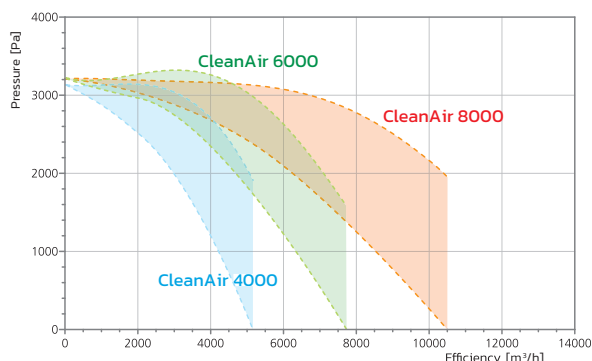
Devices are characterized by division into four sections:

- **fan section**
 - fan with connection
- **air tank section**
 - air tank 70 l.
 - 6 solenoid valves (1.5 inch)
- **filters section**
 - expansion chamber
 - 6 cartridge filters
 - container grate
- **container section**
 - dust container 55 l. with pneumatic feeder
 - controller
 - inverter
 - fan switch for external control.

Accessories / consumables

„winter-summer“ air distribution system	
automatic precoating system (ASP)	
NP2-180 ventilator industrial	
filter cartridges (patronage)	

Performance curves



Technical specifications

MODEL	4000	6000	8000	4000HP	8000HP
Catalog number	CA40003	CA60003	CA80003	CAP40003	CAP80003
Power [kW]	4,0	5,5 / 6,0	7,5	11	15
Voltage [V]	3x400	3x400	3x400	3x400	3x400
Noise [dB(A)] - 1m	73	74	76	74	76
Noise [dB(A)] - 5m	69	69	70	69	71
Volume flow max. [m³/h]	5200	7800	10500	6000	10000
Pressure max. [Pa]	3100	3200	3200	4850	4700
Weight [kg]	920	950	970	980	990
Dimensions h/w/d [mm]	3160 (3220) / 1050 / 1700				

CleanAir Sp.z.o.o.

Adm. A.Karwety Street 25 • 80-297 Miszewko • Poland
 ☎ +48 58 629 03 36 • e-mail: biuro@cleanairfactory.pl