

LIFA<sub>air</sub><sup>®</sup>

# Renovation Hygiene and Dust Control

## Lifa Air Scrubbers / Negative Air Vacuums

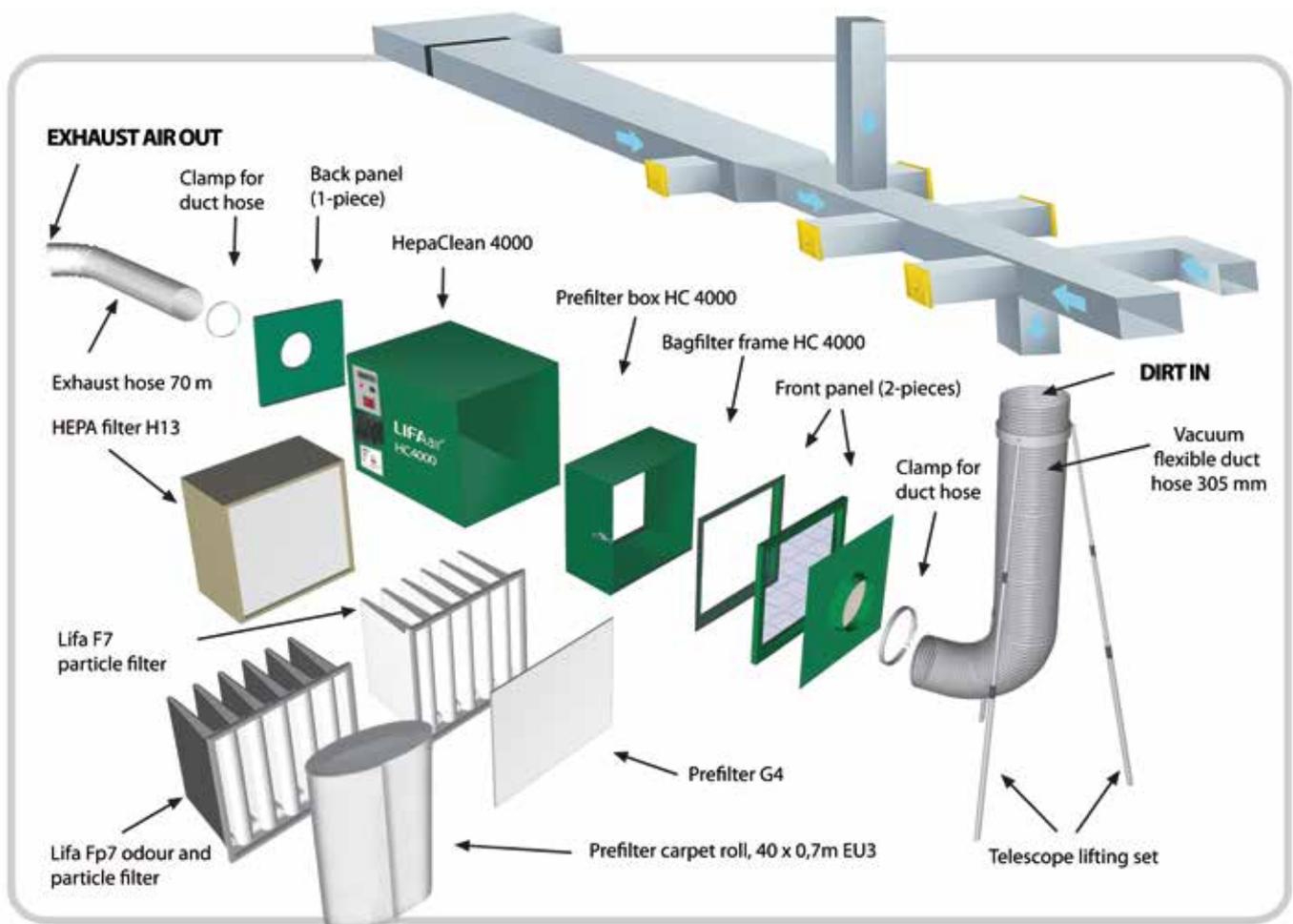
The Lifa HepaClean negative pressure units (NPU) / air cleaning machines are designed and engineered for construction and renovation work and HVAC ventilation duct cleaning.

They are also certified for asbestos abatement and removal of other hazardous dusts.

The new energy efficient soft start motors require only 6 Amp breakers/fuses.

The machines are built from steel and best possible components in order to ensure maximum durability.

The multi-stage filtration system is designed so that each filter can be easily and separately changed: this minimizes time needed in changing and replacement filter costs, thus maximizes filtration efficiency and dirt holding capacity.



The machines are suitable for handling dry air containing dust such as asbestos, PCB, lead, quartz, hardwood, mineral wool or micro-organisms (mould and fungus spores etc.) and even some hazardous gases (e.g. creosote, mycotoxins).

## Lifa HepaClean 4000

For big projects, certified for asbestos removal  
Optimum combination of suction power –  
air volume – dust collection capacity and  
yet operates on single phase electricity.

- Max air flow without filters 4600 m<sup>3</sup>/h (~2700CFM)
- Static pressure 1000Pa (4 iwg)
- Adjustable air flow (thyristor controller)
- For air cleaning by using bag filter (F7) and/or HEPA filter
- For negative pressuration and dust control in working enclosures
- For HVAC duct cleaning, dust collection
- Variety of filters and accessories available as per work type
- Easy to handle, lockable wheels



## Lifa AirClean 3500

Lifa Air Clean 3500 is designed for filtering and cleaning of airborne dust particles and other pollutants. Due to its excellent suction power, relatively small size and robust seamless metal construction it can be used for a variety of jobs from HVAC ventilation duct cleaning to building renovation, demolition and other air contaminant and dust control work. It can also be used as air mover in water damage, mold and microbial removal restoration work, or as air scrubber because you can even use gas filter with it.

- max airflow without filters 3600 m<sup>3</sup>/h
- Static pressure 960 Pa
- Adjustable air flow (thyristor controller)



Lifa Air is one of the few manufactures to have ISO 9001 quality and ISO14001 environmental standards and has also developed in cooperation with Finnish Technical Research Centre VTT the method by which each unit and filters are tested and guaranteed for their performance.

## Lifa HepaClean 2500

For medium size projects, certified for asbestos removal

Designed so that two or more units can be placed on top of each other and connected together when excessive amounts of dirt require more filtration area.

- Max air flow without filters 2500 m<sup>3</sup>/h (~ 1500 CFM)
- Static pressure 840Pa (3,4 iwg)
- For air cleaning by using bag filter (F7) and/or HEPA filter
- For negative pressuration and dust control in working enclosures
- For HVAC duct cleaning, dust collection
- Gas filter with activated carbon available also
- Adjustable air flow (thyristor controller)
- Filter full light warning



## Lifa HepaClean 1100

For small projects, certified for asbestos removal

Portable unit which can be carried into cramped spaces, yet powerful enough for dust control up to 120m<sup>2</sup> rooms

- Max air flow without filters 1200 m<sup>3</sup>/h (~ 700 CFM)
- Static pressure 840Pa (3,4 iwg)
- For air cleaning by using bag filter (F7) and/or HEPA filter
- For negative pressuration and dust control in working enclosures
- For HVAC duct cleaning, dust collection
- Adjustable air flow (thyristor controller)
- Filter full light warning

# Technical Information

	HepaClean 1100	HepaClean 2500	AirClean 3500	HepaClean 4000
Maximum airflow (w/o filters)	1200 m <sup>3</sup> /h ~ 710 CFM	2500 m <sup>3</sup> /h ~ 1500 CFM	3600 m <sup>3</sup> /h ~ 2120 CFM	4600 m <sup>3</sup> /h ~ 2700 CFM
HEPA 13	620 m <sup>3</sup> /h (~ 365 CFM)	1200 m <sup>3</sup> /h (~ 706 CFM)		3200 m <sup>3</sup> /h (~ 1883 CFM)
F7 bag filter	850 m <sup>3</sup> /h (~ 500 CFM)	2100 m <sup>3</sup> /h (~ 1236 CFM)	2600 m <sup>3</sup> /h (~ 1530 CFM)	3500 m <sup>3</sup> /h (~ 2060 CFM)
Static pressure	840 Pa (3,4 iwg)	840 Pa (3,4 iwg)	960 Pa (3,85 iwg)	1000 Pa (4,0 iwg)
Operating voltage	200-240 V, 1~ 50/60 Hz	200-277 VAC (or 100-120 VAC), 1~ 50/60 Hz	200-277 VAC (or 100-120 VAC), 1~ 50/60 Hz	200-277 VAC (or 100-120 VAC), 1~ 50/60 Hz
EC-motor power	0,23 HP (0,17 kW)	0,7 HP (0,48 kW)	0,7 HP (0,48 kW)	1,8 HP (1,35 kW)
Fuse / breaker	10A	10A	10A	10A
Power cable	9,8 ft (3 m)	9,8 ft (3 m)	9,8 ft (3 m)	9,8 ft (3 m)
Dimensions mm (inch)	L 670 (27"), W 380 (15"), H 410 (16")	L 960 (38"), W 540 (21"), H 650 (26")	L 960 (38"), W 540 (21"), H 650 (26")	L 1030 (41"), W 700 (28"), H 800 (31")
Weight (w/o filter)	18 kg (40 lbs)	57 kg (126 lbs)	57 kg (126 lbs)	87 kg (192 lbs)
100-120VAC version			65 kg (143 lbs)	96 kg (212 lbs)
Materials	Painted steel	Painted steel	Painted steel	Painted steel
Readily assembled	Lifting handle, connection studs: Ø254mm (10") in, Ø305mm (12") out	Lockable wheels, lifting handles, connection studs: Ø305mm (12") in, Ø305mm (12") out	Lockable wheels, lifting handles, connection studs: Ø305mm (12") in, Ø305mm (12") out	Lockable wheels, lifting handles, connection studs: Ø305mm (12") in, Ø305mm (12") out
Machine's equipment	Linear airflow control, filter full warning signal, hour usage counter	Linear airflow control, filter full warning signal, time usage counter	Linear airflow control, filter full warning signal, time usage counter	Linear airflow control, filter full warning signal, time usage counter

DUST CONTROL (air change 5xh)	ASBESTOS / MOLD (HEPA needed) (air change 10xh)	MACHINE / NPU
Spaces app. 80 - 130 m <sup>2</sup>	App. 45 m <sup>2</sup>	HC 1100
Enclosure app. 90 - 180 m <sup>2</sup>	App. 100m <sup>2</sup>	HC 2500
Enclosure app. 300 - 500 m <sup>2</sup>	App. 150 m <sup>2</sup>	HC 4000

