



# SONAIR A<sup>+</sup> AND SONAIR F<sup>+</sup>

## CLEAN AIR FOR RETROFITTING

Houses are becoming insulated increasingly effectively. But if the need for adequate ventilation is overlooked, the poor air that accumulates in the building can rapidly have an adverse effect on the health. Especially particulate matter, mould and other micro-organisms that affect the health as well as CO<sub>2</sub> can accumulate in alarming concentrations. The wall-mounted fans Sonair A+ and Sonair F+ not only provide demand-based ventilation in every room, but also filter the air and absorb noise from outside (only Sonair F+). Sonair A+ in addition offers the option of recirculating and filtering the indoor air. These non-central ventilation systems are ideal for retrofitting because no central system of pipework is needed in the house.

- Ventilation, filtering and sound-proofing
- Low power consumption
- Reduces heating costs
- Windows can remain closed (burglary protection)
- Can be equipped with filtering of particles larger than 10 µm (normal dust load) or particles larger than 5 µm (high dust load)



### Sonair proven effective

A study conducted in Amsterdam has proven the effectiveness of Sonair. The study surveyed the efficiency of filters in decentralised ventilation systems in flats built along a heavy used motorway. Sonair (equipped with G2 filter ) reduced the concentration of carbon monoxide and particulate matter with diameter of less than 10 µm by 80 % in relation to the air outside.

# SONAIR A<sup>+</sup> AND SONAIR F<sup>+</sup>

The Sonair F+ is mounted on the wall and supplies the room directly with filtered outside air via an aperture in the exterior wall. Our systems equipped with Air Comfort Control (ACC) offer a special deluxe feature: the air quality is constantly gauged by climate sensors connected up to a central control circuit via the power socket, and the air supply is regulated precisely according to demand on a room-by-room basis.



## Technical data

### Accessories

Dimensions: 310 (L) x 445 (H) x 134 cm  
 Housing: Plastic, white (similar to RAL 9003)  
 Power supply: 230 V ~ 50 Hz / protection class 2

### Air capacity, operating noise & energy consumption

(Filter G2 and weather protection GS 100)

[based on DIN 3741, Figures acc. to L<sub>p</sub> (A<sub>0</sub> = 10 m<sub>0</sub>)]

Air capacity	Operating noise	Energy consumption
30 m <sup>3</sup> /h	< 11.5 dB (A)	ca. 11 W
60 m <sup>3</sup> /h	23.5 dB (A)	ca. 13 W
Max. > 225 m <sup>3</sup> /h		ca. 43 W

### Accessories

- Filter F6 (particulate matter/ pollen filter)
- PVC pipe (500 mm long, external diameter 104 mm)
- Weather protection GS 100 (white or brown)
- Weather protection A 100 (optional)
- Central control circuit (only in conjunction with Sonair F+ ACC)
- Central outgoing air passage (only for ACC version)
- CO<sub>2</sub> sensor (only for ACC version)

### Soundproofing (measured acc. to DIN ISO 140-10)

Opened: 48 dB acc. to D<sub>n,e,w</sub> (Standard)  
 Opened: Up to 56 dB acc. to D<sub>n,e,w</sub>  
 (with special pipe, depending on masonry)  
 Control: LCD Display with operation via push-buttons

### Filter capacity

Dust particle	Filter G2 (Standard; normal dust load)	Filter F6 (Optional; high dust load)
> 10	50 - 70 %	> 99 %
> 5	15 - 35 %	95 - 99 %
> 3	5 - 15 %	85 - 95 %
> 1	0 - 5 %	50 - 65 %
> 0.5	–	20 - 40 %
> 0.3	–	10 - 25 %
> 0.1	–	0 - 15 %



**Climate Systems**  
*Comfort, all year round*

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