QUIETEST DECENTRALISED HOME VENTILATION

...BECAUSE BETTER SOUNDPROOFING MEANS BETTER QUALITY OF LIFE

Sound insulated ventilation has never been easier.

!

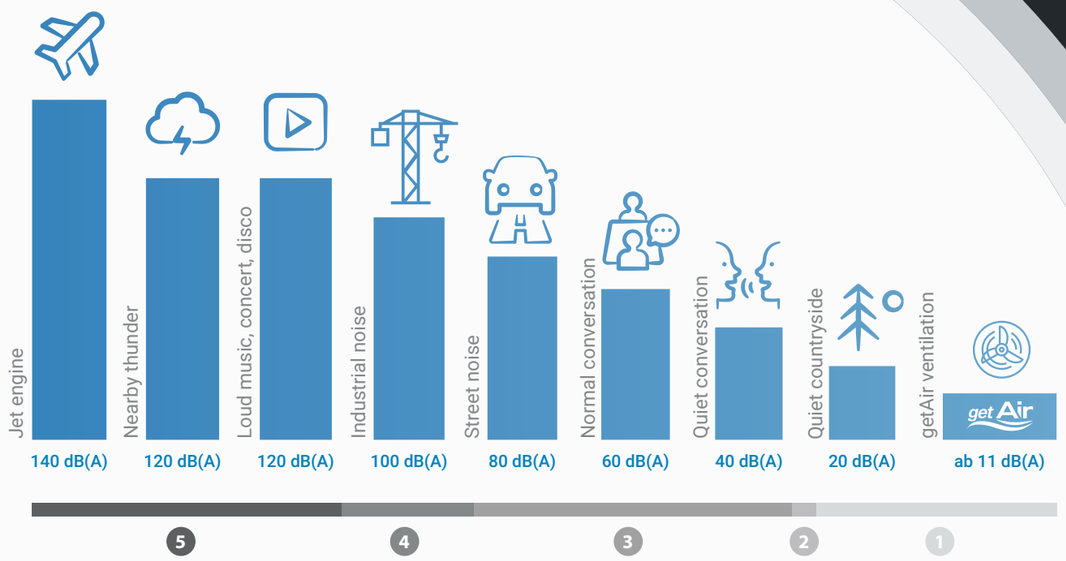
HEALTH IMPACT

We are bombarded by noise all day long. Some noise sources are consciously perceived as extremely disturbing, while others we hear without even noticing.

CONSEQUENCES OF PERSISTENT NOISE

Persistent and prolonged exposure to noise can have a significant impact on our physical and mental performance. While asleep, our ears are still registering and processing noise in the audible range. Even a constant sound level of 30 db(A) or above (around the volume of people whispering) can affect the quality of our sleep. From 45 dB(A) and above, sleepers produce more stress hormones. This is the level of normal room noise.

SOUND PRESSURE LEVEL OF VARIOUS SOUND SOURCES COMPARED TO GETAIR VENTILATION



5 Hearing damage even if exposed to the noise for a short time
4 Hearing damage if persistently exposed to the noise
3 Significant discomfort and sometimes considerable reduction in mental performance
2 Occasional disruption
1 No or little disruption

PERSISTENT EXPOSURE TO NOISE CAN RESULT IN A NUMBER OF CONDITIONS AND REACTIONS, SUCH AS:

- **Increased risk of high blood pressure and heart attack**
- **Hearing damage, listening fatigue, tinnitus**
- **Communication, learning and concentration problems**
- **Increased risk of accident**
- **Impaired performance in school and the workplace**
- **Breakdown in social conduct (e.g. aggression, helplessness, etc.)**
- **Mental impairment due to exposure to noise**

SOUNDPROOFED VENTILATION THAT WORKS

SmartFan

Assessed standardised sound level difference[1] (with optional soundproofing element) **44-49 dB**[2]

	Level 1	Level 2	Level 3	Level 4
Eco mode airflow/quick ventilation [m³/h]	18	28	38	46
Sound pressure level [dB(A)]	11	19	28	33
Power consumption [W]	0,8	1,4	2,6	4,0
Core drilling diameter [mm]	162			
Energy efficiency category	A	A+		

SmartFan Laibung Plus

Assessed standardised sound level difference[1] (with optional soundproofing element) **49-61 dB**[2]

	Level 1	Level 2	Level 3	Level 4
Eco mode airflow/quick ventilation [m³/h]	18	28	38	46
Sound pressure level [dB(A)]	11	19	28	33
Power consumption [W]	0,8	1,4	2,6	4,0
Core drilling diameter [mm]	162			
Energy efficiency category	A	A+		

Smart ALD

Assessed standardised sound level difference[1] **47-59 dB**[2]

Airflow, 2 Pa [m³/h]	6 - 9*
Airflow, 4 Pa [m³/h]	9 - 14*
Airflow, 8 Pa [m³/h]	15 - 24*
Core drilling diameter [mm]	162

*__20% higher airflow__ without wind pressure safety device

Smart ALD Laibung Plus

Assessed standardised sound level difference[1] **62-70 dB**[2]

Airflow, 2 Pa [m³/h]	6 - 9*
Airflow, 4 Pa [m³/h]	9 - 13*
Airflow, 8 Pa [m³/h]	15 - 21*
Core drilling diameter [mm]	162

*__20% higher airflow__ without wind pressure safety device

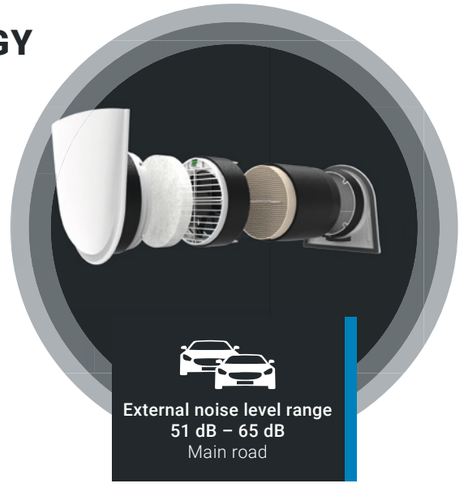
[1]Index for airborne sound insulation of building components. Sound-absorbing coefficient for assessment of small areas.

[2]All values have been reviewed by the respected **ift Rosenheim testing** institute for construction products.

SmartFan

THE MOST EFFICIENT HOME VENTILATION SYSTEM WITH UP TO 50 % HEATING ENERGY SAVINGS

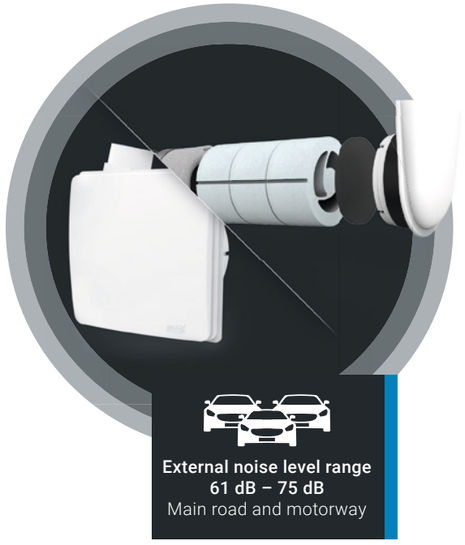
Apart from the good soundproofing to the outside, any operating noise from the fan unit is hardly audible inside either. This is due to the sound-absorbing material surrounding the fan. Additionally, the electromagnetic motor with its vibration damper cuts out practically all background noise. Furthermore, the noise-insulating inside and outside covers in the housing core are made of heavy foil for maximum sound absorption. With the soundproofing element, the sound pressure level of the already acoustically optimised SmartFan® components can be further reduced by up to 3-5 dB.



External noise level range
51 dB – 65 dB
Main road

Smart ALD

CONTROLLED VENTILATION VIA ALD FRESH AIR INLET AND VENTILATION SYSTEMS WITH THE HIGHEST POSSIBLE SOUNDPROOFING



External noise level range
61 dB – 75 dB
Main road and motorway

The fresh air inlet (ALD) provides for ventilation of living spaces in conjunction with the SmartFan XR ventilation system for windowless rooms. It is important in this context to pay attention to the airflow rates and how the two systems are positioned. The airflow and soundproofing can be varied during installation using the innovative soundproofing element. This consists of a ring with 3 chambers. Each chamber can be separately opened to flexibly adjust the system to airflow and sound requirements. The ALD systems come in a range of different versions. There is the option of round or square covers inside and plastic or metal covers for the outside façade. Besides the standard design, the ALD system can be very easily integrated into a window reveal, roof or cellar.

SmartFan L Plus

BARELY VISIBLE WINDOW REVEAL SOLUTION WITH THE BEST SOUND ABSORPTION IN THE SECTOR

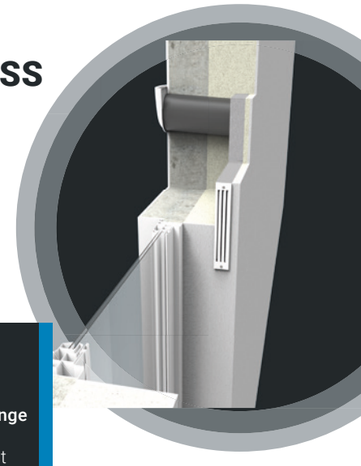
As the quietest home ventilation unit with heat recovery in its class, the SmartFan® L Plus impresses with its optimal sound insulation and fluid mechanics. Double airflow deflection within the ventilation unit minimises airflow noise. Excellent acoustic values are achieved thanks to the additional sound absorption mat. This means that the SmartFan® L Plus offers more than 60 dB protection (standardised sound level difference) and is suitable for use in properties with high acoustic requirements and low energy consumption. getAir's SmartFan® L Plus window reveal solution fits into the reveal without a problem, making it all but invisible in the outer façade. The decentralised home ventilation unit can already be installed in an exterior insulation and finish system (EIFS) just 60 mm thick.

External noise level range
66 dB – 75 dB
Motorway

Smart ALD Laibung Plus

THE QUIETEST SOUND INSULATING FAN IN ITS CLASS

getAir's window reveal version of its fresh air inlet is a second-to-none reveal solution with a standardised sound level difference of up to 70 db, thus providing the best possible protection from outside noise. The system is ideally suited for properties with the highest noise insulation requirements, and thus for installation in places with extreme noise pollution. The reveal duct is made of the high performance material Neopor®, which has excellent thermal and sound insulation properties. The special wind pressure safety device prevents buildings cooling down in spells of high wind. Moreover, draughts are avoided through the inside covers, which are designed to optimise airflow and cut noise.



External noise level range
of up to 80 dB
Rail and air transport

Maximum soundproofing with getAir®

getAir GmbH

Krefelder Straße 670 | 41066 Mönchengladbach
Telefon: +49 2161 990 90 - 0 | Telefax: +49 2161 990 90 - 99
E-Mail: info@getair.eu | Web: www.getair.eu

MADE IN GERMANY