



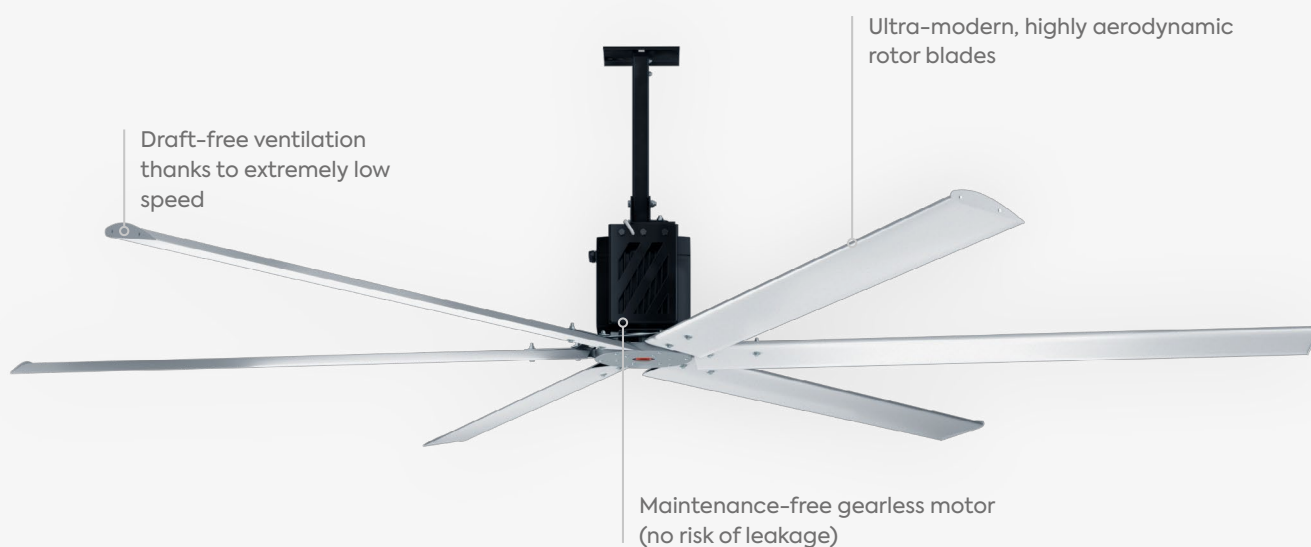
 Building Solutions

VolumeAir HVLS-Fan

For sustainability and
climate-friendly operation

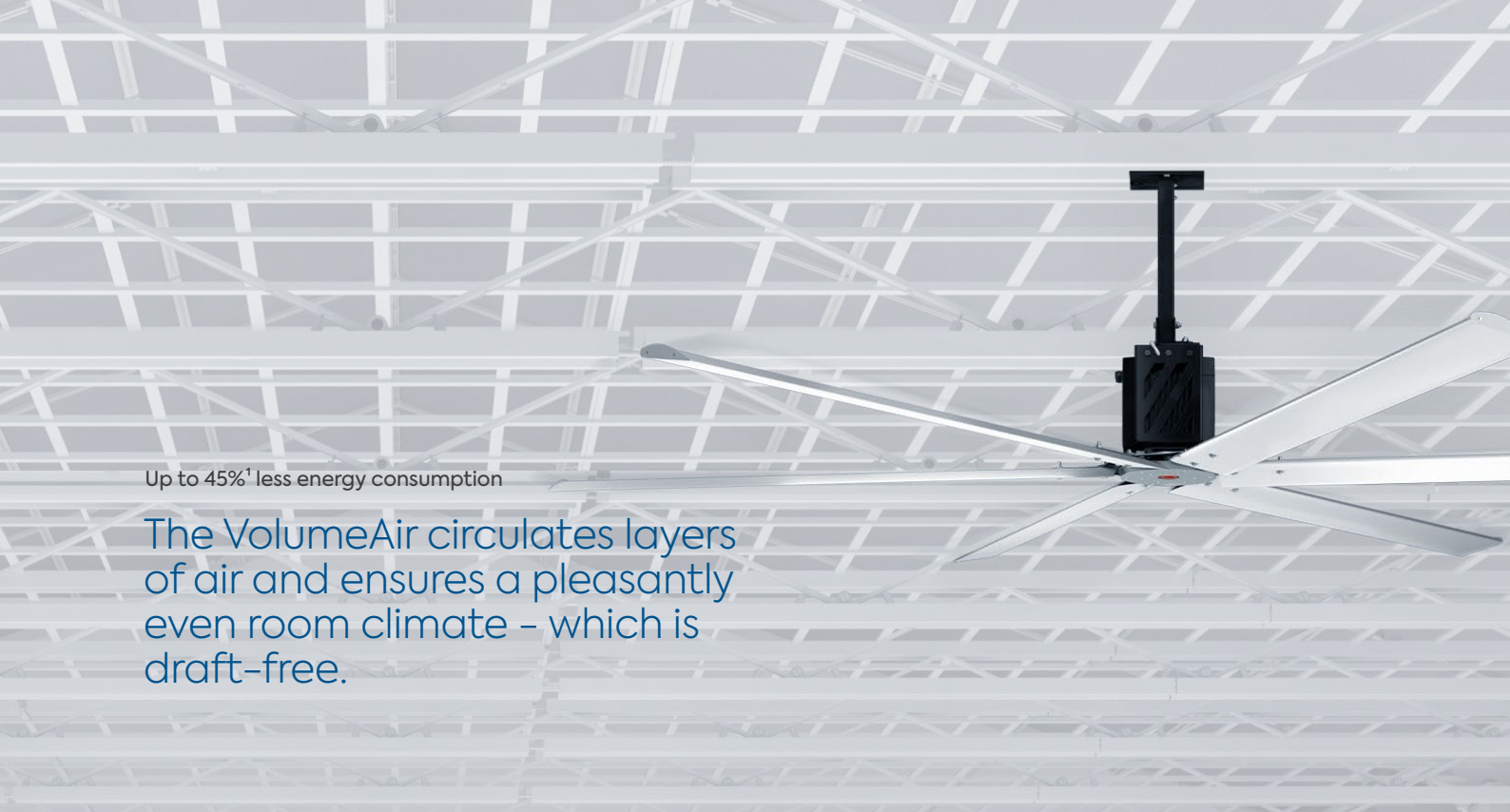
VolumeAir HVLS-Fan

The VolumeAir is a super-efficient ceiling fan: it rotates with maximum slowness, is very quiet and moves large masses of air. It improves your indoor climate significantly and saves you energy – in both summer and winter.



Your benefits

- ✓ Reduced energy costs
- ✓ Increased comfort
- ✓ Summer and winter operation possible
- ✓ Extremely quiet operation
- ✓ Continuous direct drive with no friction loss
- ✓ Gearless motor, oil leakage proof,
- ✓ No maintenance required
- ✓ Rapid return on investment
- ✓ Lower CO2 emissions
- ✓ Forward and reverse operation



Up to 45%¹ less energy consumption

The VolumeAir circulates layers of air and ensures a pleasantly even room climate – which is draft-free.

Proven efficiency

The efficiency of VolumeAir HVLS fans has been proven in several independent studies. The results obtained in various application cases are available and can be requested from us. VolumeAir is a premium class HVLS fan that combines industrial performance with elegant design.

Low weight, easy installation, durability and intuitive simplicity of operation are the main features of the unit. The VolumeAir fans are suitable for stand-alone operation as well as in series. Where several fans are in use, the specified minimum distance between the fans ensures optimal air circulation.

To connect to a building management system, they can be combined with the ClimateControl control system. The control system increases efficiency of operation depending on room temperature, temperature gradient and the programmed times. ClimateControl is equipped with an interface for connecting solar air collectors as well as heat recovery and air distribution systems.



Designed for high performance applications, the fan is best suited for large surfaces such as:

- Logistics buildings
- Warehouses
- Airports and hangars
- Fitness studios
- Open space applications subject to IP55
- Animal husbandry and agriculture

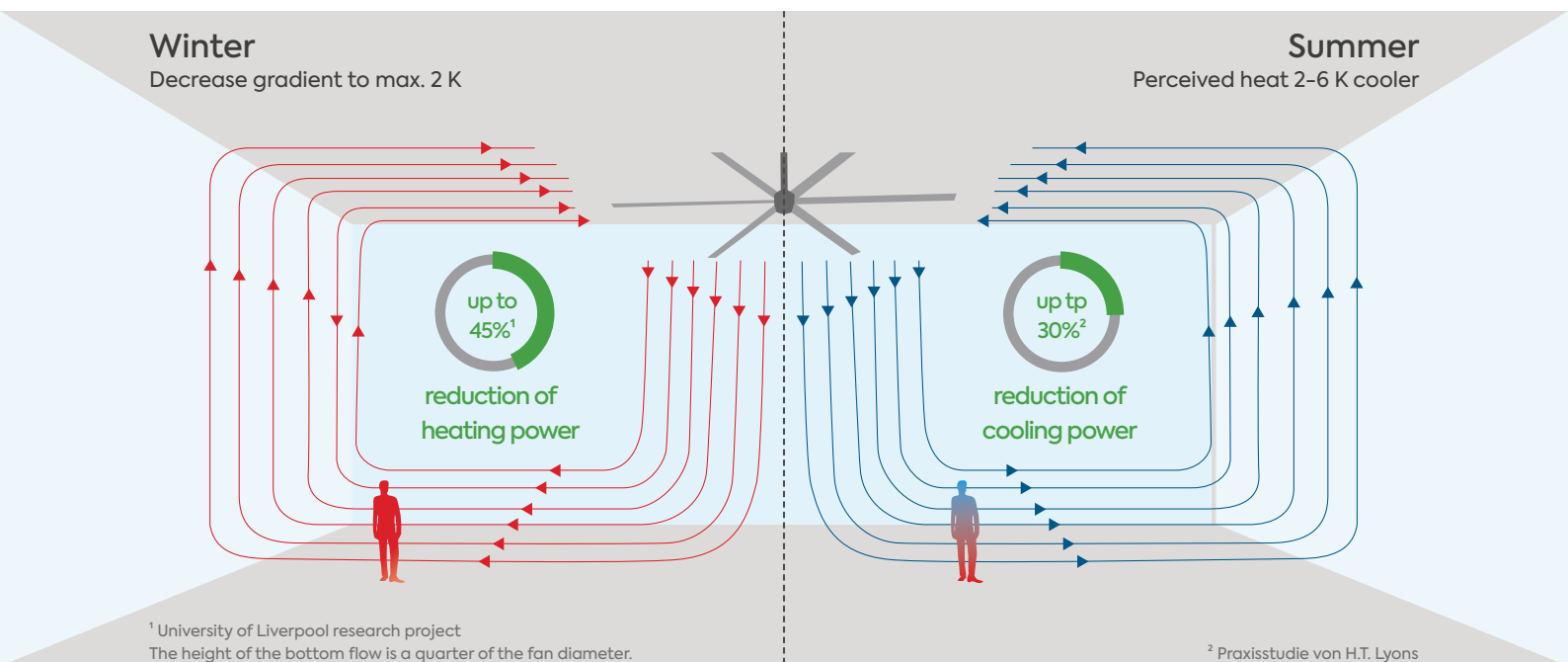


Warm air rises upwards

For each meter of height, the temperature increases by approx. 0.5 to 1 °C. HVLS fans remove these heat cushions and create an even temperature throughout the room. In this way up to 45%¹ of energy costs can be saved.

Premium class HVLS fan

They are specially designed to create an even indoor climate in high-ceiling rooms. The VolumeAir is an innovative and extremely efficient type of industrial fan. The design of the rotor blades is based on the latest NASA findings and they are driven by the most advanced motors.



The perfect combination for winter

The combination of highly efficient decentralized heating systems and VolumeAir ceiling fans enables a significant increase in comfort and energy-savings potential. Previously unused heat cushions from solar radiation as well as production-related heat emissions are dissipated and the warm air is forced downwards. This harnesses previously unused potential energy resources and enables energy savings of up to 45%¹.

Benefits even in summer

The fan ensures a constant air flow when temperatures are higher in summer. Due to the even movement of air, the temperature feels cooler. This enables a reduction of up to 30% in the cooling power of the air conditioning systems thus saving energy costs². Combined with an air conditioning system, an HVLS fan delivers the most efficient solution with the fastest return on investment. The fan does not need to be modified for summer operation.



Pleasant room climate in rooms with high-ceilings

The state-of-the-art rotor blades of the VolumeAir rotate extremely slowly. They allow large volumes of air to circulate without generating drafts. This means that you and your employees benefit from an even, particularly pleasant indoor climate.



Save heating costs in winter

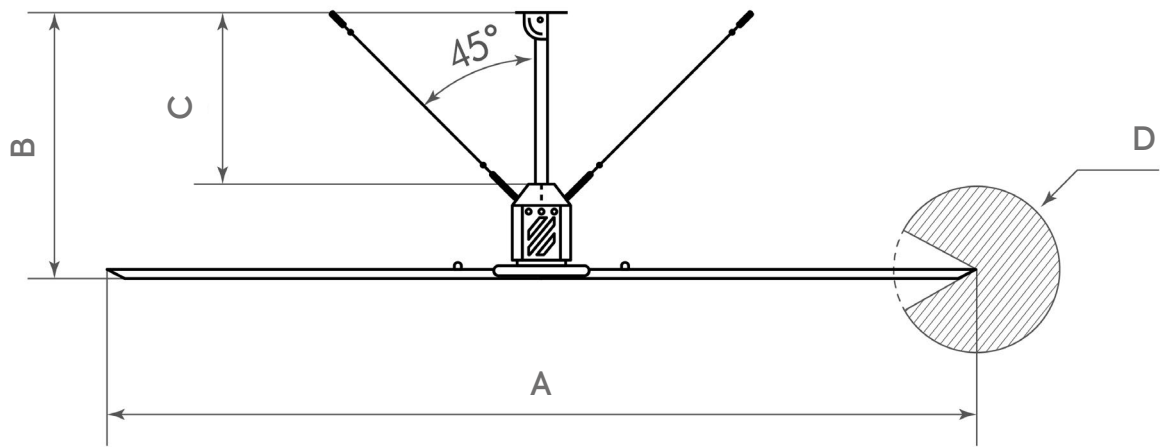
In high-ceiling rooms, the VolumeAir pushes the warm air down from below the ceiling. This increases comfort and reduces your energy costs. Savings in heating costs of up to 45 percent are possible.



Lower cost of cooling in summer

Thanks to the even circulation of air, the perceived temperature is cooler in summer. Air conditioning systems therefore need to use less power. Savings of up to 30 percent in cooling costs are possible. Use VolumeAir for gains in efficiency.

Technical data



Diameter A	[m]	2,50	3,0	4,0	5,0	6,0	7,0
Height B	[mm]	1.440 ± 10					
Height C	[mm]	930					
Width D*	[mm]	250	300	400	500	600	700
Max. rotation speed	[rpm]	120	120	100	90	60	50
Min. rotation speed	[rpm]	10			8		
Power supply	[VAC/Hz]	3P 400/50					
Max. air flow**	[m³/h]	55.645	85.608	140.780	214.665	220.171	264.095
Power consumption	[A]	2,2					
Operating temp.	[°C]	0 – 50					
Weight	[kg]	77	81	103	110	116	131

*Minimum clearance from other components
 **as per AMCA 230-15



High Volume Low Speed: an HVLS fan moves large airmasses at low speed.

Warm air rises to the top. In high ceiling rooms, the temperature increases by about 0.5 to 1 degree Celsius for each meter of height. The VolumeAir circulates layers of air and ensures a pleasantly even room climate - which is draft-free. In winter, it uses the heat cushions under the ceiling. In summer, the rooms are noticeably cooler.

Certified:



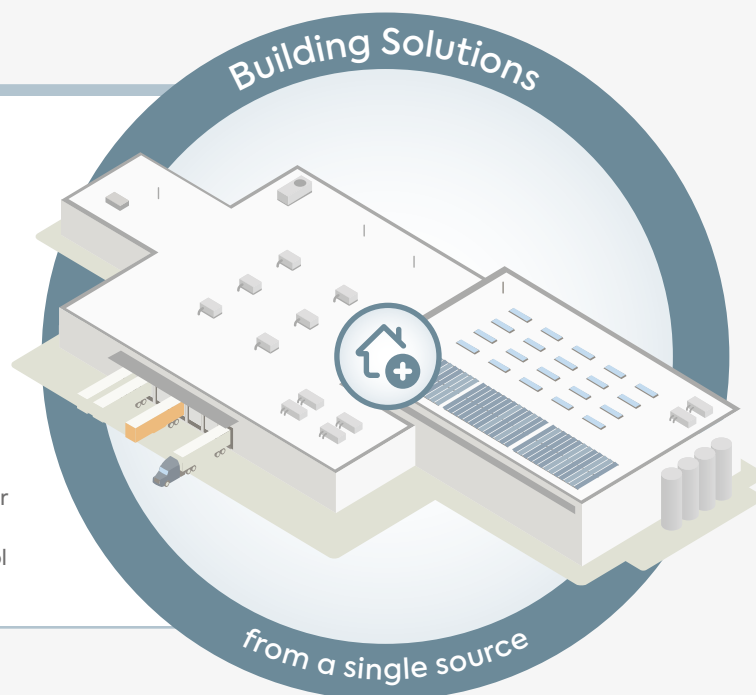
Partnership:



Sustainable System Solutions for your Buildings

Our Building Solutions

- Regulation Technology
- Tube Heater
- Air Distributor
- Heat Pumps
- Solar Air System
- LED-Technology
- Ventilation
- Warm Air Heater
- High Intensity Heater
- Chemical & ozone-free infection control



We look forward to hearing from you!