

+ AIR/WATER HEAT PUMP

AERO WINXP



3 to 12 kW

ZERO CARBON HEATING



The traditional Windhager brand – pioneers in sustainable heating for over 100 years – is there for you as a partner company of BWT.

**BEST HEATING TECHNOLOGY MEETS
BEST WATER TECHNOLOGY**

Windhager has been synonymous with state-of-the-art low carbon heating for over 100 years. Windhager have been pioneers offering innovative solutions for a greener and sustainable future.

Ecologically valuable, premium products and services related to heat and water “Made in Austria” helping to preserve our planet for future generations. Windhager’s innovative efficient heating systems, combined with BWT’s chemical-free, demineralised water, providing low carbon, and sustainable heating solutions.



JUST LIKE NATURE:
**ALWAYS
ONE STEP
AHEAD.**



AEROWIN XP

EFFICIENT HEATING

EFFICIENT HEATING

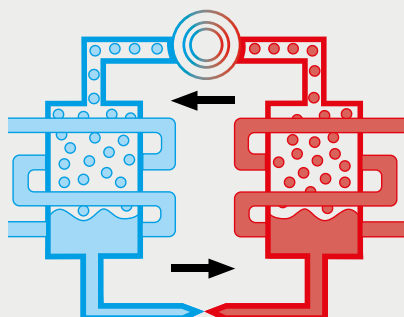
Heating and optional cooling with one device – only possible with a heat pump.

The AeroWIN XP provides cosy warmth in winter, even at sub-zero temperatures, and pleasant cooling on hot summer days. The AeroWIN XP uses a free and inexhaustible energy source: Air!

The heat extracted from the air is brought to a higher temperature level with the help of a compressor within the cooling circuit. The heating water is heated and distributed through the radiators or underfloor circuits within the building.

An air/water heat pump is highly efficient and very reliable when it comes to heating and cooling: About 80 per cent of the energy is obtained from the ambient air, 20 per cent through the use of electricity. When green electricity is consumed, then our heat pump offers a complete carbon-neutral operation.

The AeroWIN XP combined with our pre-plumbed AquaWIN HP hot water cylinder, allows for a simple installation and seamless integration to the systems hot water requirement due to its clever hydraulic design. The AquaWIN HP is manufactured with integral buffer vessel, heating circuit pump, safety devices and distribution valves. All controls wiring is pre-installed within the fitted indoor unit wiring centre. This provides the means for quick and neat installations.



AEROWIN XP

High operational reliability
thanks to premium, extensively
tested components

High efficiency & cost savings
thanks to state-of-the-art refrigerant
technology and integration of PV

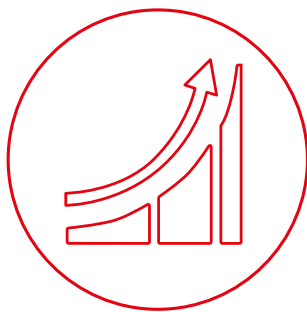


3 to 12 kW

Particularly convenient
to install, fit and operate

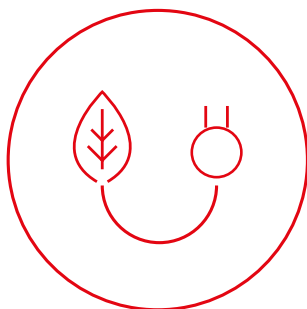
Minimal carbon footprint thanks to
the use of R290 refrigerant with
the lowest global warming potential





MAXIMUM EFFICIENCY FOR NEW BUILDS AND REFURBISHMENTS

The AeroWIN XP achieves flow temperatures of up to 70°C and has an impressive maximum energy efficiency class of A+++. Using just 1 kW of electricity, it achieves up to 5 kW of heat output.

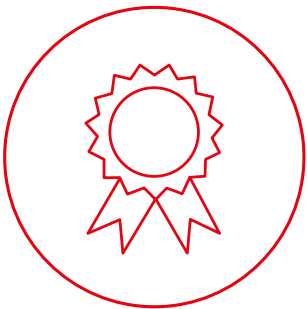


OPTIMISED SELF-CONSUMPTION OF PV ELECTRICITY

Thanks to the intelligent control of the AeroWIN XP, the electricity produced by the photovoltaic system is optimally used for private consumption. Excess power is fed into the grid only if the hot water tank is full and the house is comfortably warm or at a pleasant temperature.

PREMIUM QUALITY MADE IN EUROPE

Thanks to our many years of experience and high-quality workmanship with premium components, you can rely on trouble-free operation for many years. The AeroWIN XP features inverter technology that minimises wear and tear.

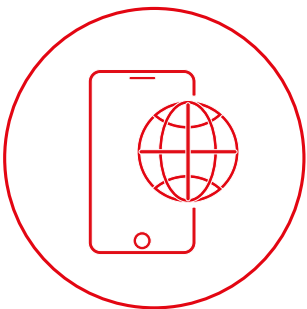


ULTRA QUIET OPERATION

Numerous technical details, such as a slowly rotating fan, sound insulation and intelligent power regulation, ensure low-noise operation. As a result, the heat pump is barely audible during operation.

EASY AND COMFORTABLE TO OPERATE FROM ANYWHERE

No matter where you are, you can control your room temperature conveniently via a smartphone, tablet or PC. If needed, your technician can monitor performance or help to diagnose an issue remotely. This saves energy, time and unnecessary travel costs.





EASY INSTALLATION EASY HANDLING



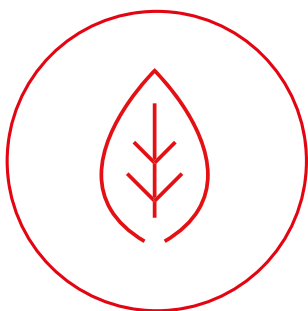
EASY INSTALLATION

Thanks to the lightweight and space-saving design of the AeroWIN XP, it can be installed almost anywhere. In addition, the electrical wiring is extremely simple, consisting only of the electrical power supply and a 2-pole BUS cable for communication with the indoor unit.



FAST COMMISSIONING

Starting up the heat pump is quick and easy thanks to its intuitive controls and the handy start-up wizard. Bringing the end customer up to speed is also a breeze thanks to the system's modern operating logic.



FUTURE-PROOF

When designing our heat pump, we paid special attention to ensuring that it is also prepared for future challenges. The new R290 refrigerant has a GWP (global warming potential) of just 3, making it very environmentally friendly.

AQUAWIN HP

HIGH QUALITY STAINLESS STEEL
PRE-PLUMBED HOT WATER
CYLINDERS FOR WINDHAGER
AEROWIN HEAT PUMP RANGE

- Pre-plumbed for ease of installation
- Integrated 50 litre buffer tank
- Stainless steel cylinder and buffer tank
- Stainless steel pipework and connections
- Primary 28mm connections
- DHW unvented kit
- BWT SilverMag magnetic filter
- Insulated to ERP B rating
- Windhager IDU 100 control unit
- 3kW immersion element
- WRAS approved



AquaWIN HP Pre-Plumbed stainless steel unvented with integrated 50 litre heat pump buffer tank					
	DHW	Coil area	Height	Width	Depth
AquaWIN HP 150	150 litres	2m2	1505mm	550mm	700mm
AquaWIN HP 180	180 litres	2m2	1630mm	550mm	700mm
AquaWIN HP 210	210 litres	3m2	1820mm	550mm	700mm
AquaWIN HP 250	250 litres	3m2	2020mm	550mm	700mm
AquaWIN HP 300	300 litres	3m2	2020mm	600mm	750mm

AQA THERM EFFICIENT HEATING PROTECTION

- Optimal system performance
- Consistent heating water quality
- Compliant water quality
- Eco-friendly, safe and chemical free



AEROWIN XP

TECHNICAL DATA

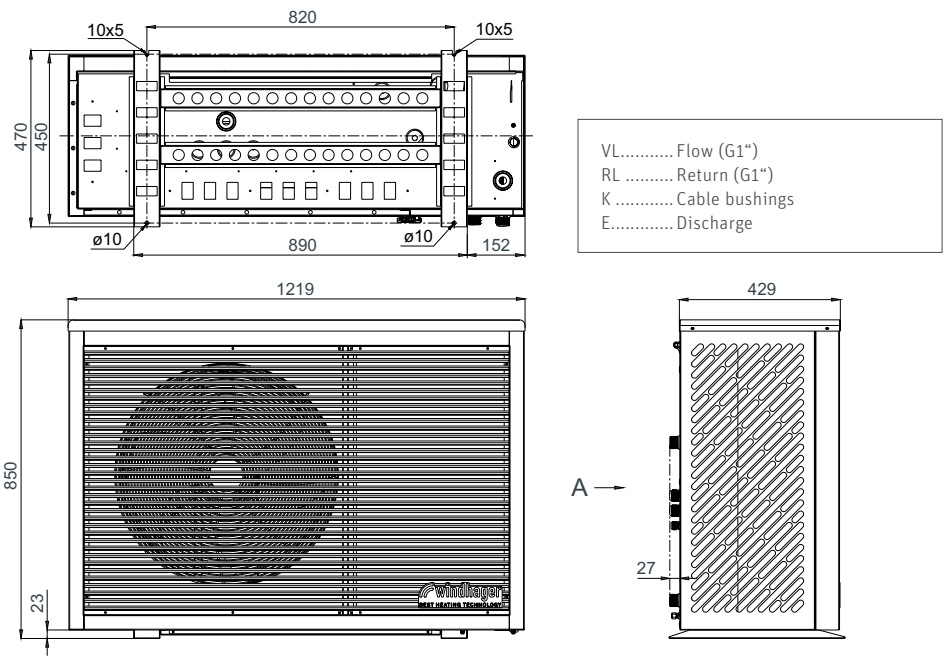
DIMENSIONS & SAFETY DISTANCES

Heat pump		Unit	AeroWIN XP 6	AeroWIN XP 10
Power Supply		V/Hz/Ph	220-240/50/1	220-240/50/1
Circuit Breaker		A	16	32
Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: 7°C				
Max. Heating Capacity		kW	9.5	12.0
C.O.P		W/W	4.7	3.9
Heating Capacity Min./Max.		kW	3.1/9.5	3.8/12
Heating Power Input Min./Max.		W	585/2038	900/3065
C.O.P Min./Max.		W/W	4.7/5.1	3.92/4.8
Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: 7°C				
Max. Heating Capacity		kW	9	11
C.O.P		W/W	3.75	3.28
Heating Capacity Min./Max.		kW	2.7/9.0	3.7/11.0
Heating power input Min./Max.		W	725/2400	1100/3350
C.O.P Min./Max.		W/W	3.75/4.0	3.28/3.7
Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: -7°C				
Max. Heating Capacity		kW	6.3	7.9
C.O.P		W/W	3.2	2.8
Heating Capacity Min./Max.		kW	2.8/6.3	4.1/7.9
Heating power input Min./Max.		W	838/1961	1249/2780
C.O.P Min./Max.		W/W	3.2/3.4	2.8/3.1
Workable Ambient Temperature Range		°C	-25 – 45	-25 – 45
Max. System Water Temperature (Heating/Cooling)		°C	70/20	70/20
Min. System Water Temperature (Heating/Cooling)		°C	20/7	20/7
Max. Operation High Pressure		MPa	3.10	3.10
Refrigerant	Type / Amount	– / kg	R290 / 0.7kg	R290 / 0.9kg
Noise Level (sound power ErP)	Indoor/Outdoor	dB(A)	33/54	34/56
Allowable Water Flow	Min./Rated./Max.	l/s	0.26/0.39/0.46	0.34/0.57/0.68
Net Dimension(LxDxH)	Outdoor Unit	mm	1219x429x850	1219x429x950
Net Weight	Outdoor Unit	kg	132	144

NOTE: The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

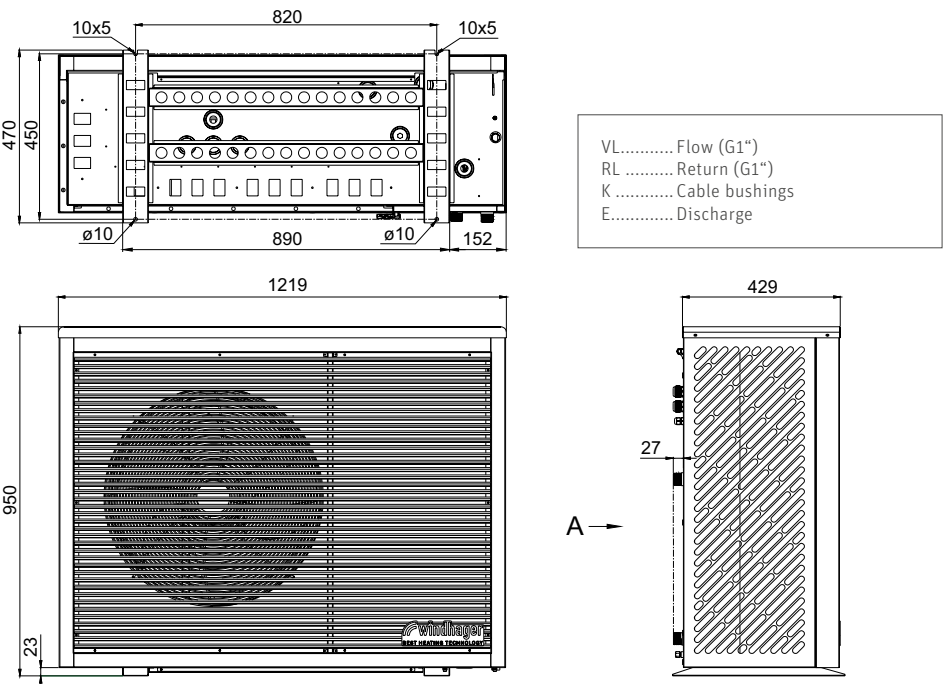
AEROWIN XP 6

All measurements in mm.



AEROWIN XP 10

All measurements in mm.



PIONEERS IN HEATING SINCE 1921



Windhager is renowned for innovative technical solutions, making heating convenient, safe and cost effective and above all environmentally friendly. As one of Europe's leading manufacturers of boilers for renewable energies we are proud of our heritage and innovative products.

We produce our boilers using only high-quality materials. Our products are only manufactured in Austria, at our company headquarters in Seekirchen, near Salzburg. Independent test institutes regularly recognise our premium quality.

AUSTRIA

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