+ HEATING FOR WOOD AND PELLETS

SINCE 1921
windhager
HEAT WITH VISION

4,3 to 30 kW

DUO WIN





FOR SMALL AND LARGE HOMES

HYBRID TECHNOLOGY


W I N
windhager
D H A
G E R

HEATING SINCE 1921

For almost 100 years, Windhager have been renowned for innovative technical solutions, making heating convenient, safe and cost-effective. Strong demand for our products has allowed us to grow constantly and develop numerous innovations in the heating market. We are now one of Europe's leading manufacturers of boilers for renewable energies and have suitable heating systems for every fuel and solar energy.

Award-winning "made in Austria" quality

The secret to our success? First-class products which satisfy the most demanding of requirements and deliver durability and reliability. We produce our boilers to strict criteria and use 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.

We always focus on the needs of our customers. We don't deliver run-of-the-mill solutions, but instead a heating system tailored to your needs.

COMBINED HEATING WITH WOOD AND PELLETS

The DuoWIN offers an intelligent combination of the heating benefits of two biomass technologies. This hybrid boiler unites inexpensive split-log heating with the convenience of heating with pellets in a single device. For a quick blast of extra warmth, the PowerBoost function sees the split-log and pellet units heat up at the same time for an output of up to 56 kW. With the DuoWIN, pellets can either be fed in manually or automatically. What's more, the DuoWIN pellet unit can even be retrofitted further down the line with the pellet-ready model of the LogWIN Klassik split-log gasification boiler.


PowerBoost function for peak performance
Pellet ready – pellet unit can be retrofitted
Up to 25 per cent more efficient when using pellets
HYBRID TECHNOLOGY
windhager
A+
In package up to
A++
DuoWIN
4,3 to 30 kW

6

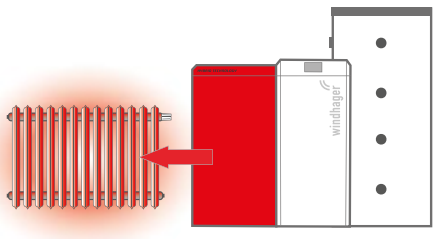
+ CONVINCING DETAILS

Twice as safe: Two independent heat exchanger systems guarantee maximum safety with even smaller spatial requirements than other combination solutions. Neither the wood combustion chamber nor the stainless-steel pellet burner are wear parts and both are included in the guarantee of up to five years.

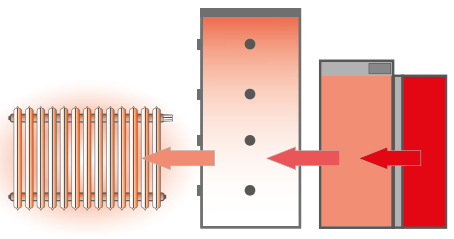
Greater efficiency

The DuoWIN's intelligent fuel changeover detects when the wood gasification boiler is in burnout and, should too little energy be available in the boiler or heat accumulator, switches automatically or with desired time delay to using pellets.

In terms of its hydraulic systems, the combi boiler can be optimised either for comfort or for energy consumption. If optimised for energy consumption, the DuoWIN operates up to 25 per cent more efficiently when using pellets than conventional combi boilers, as the energy is fed directly to the heating system with no diversions.



Energy-optimised DuoWIN operation



Conventional combi boilers

Intelligent fuel changeover recognises whether the split-log boiler is in burnout



Two separate heat exchangers for maximum safety

Automatic ignition included

POWERBOOST

ENERGIE GENIE

+ YOUR PELLET STORAGE

With the DuoWIN, pellets can either be fed in manually or automatically. No matter whether you have a special room for your pellets or a tank, we also offer the appropriate suction system for the automated fuel feed to suit every kind of store. The storage room must not be located directly adjacent to the boiler room; there should be distances of up to 25 metres or else 10 metres with a height difference of 4.5 metres. Individually matched to your pellet storage room, you can choose from a one-, three- or eight-probe solution.

The right store for every home

A sheet-steel or fabric tank is the most convenient alternative to a brick-lined pellet store room. It can be set up as a stand-alone unit, making it perfect for homes with damp basement walls or exposed piping. If you don't have enough space in your home or cellar, an underground tank is the perfect solution.



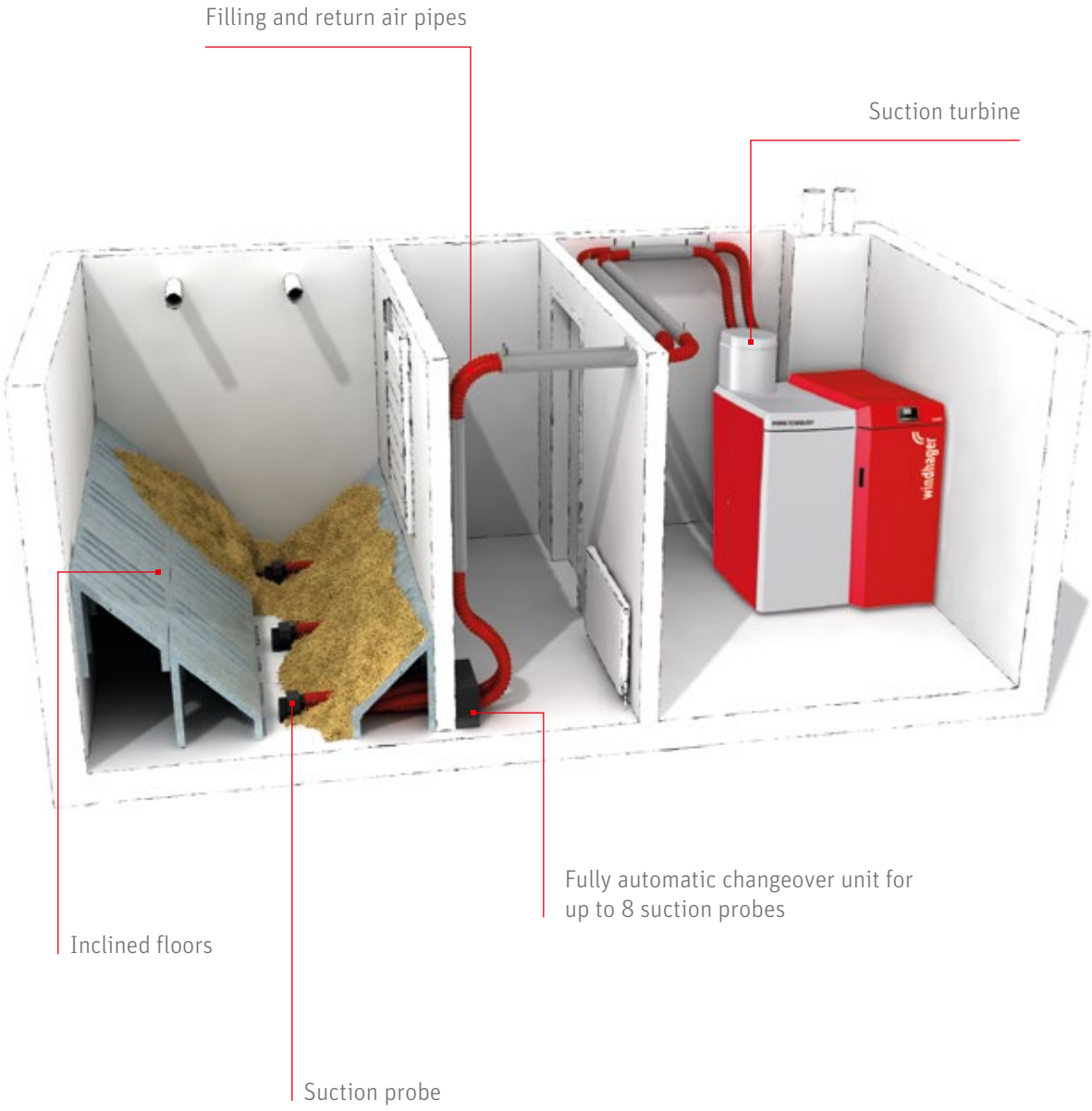
01. Sheet steel hopper

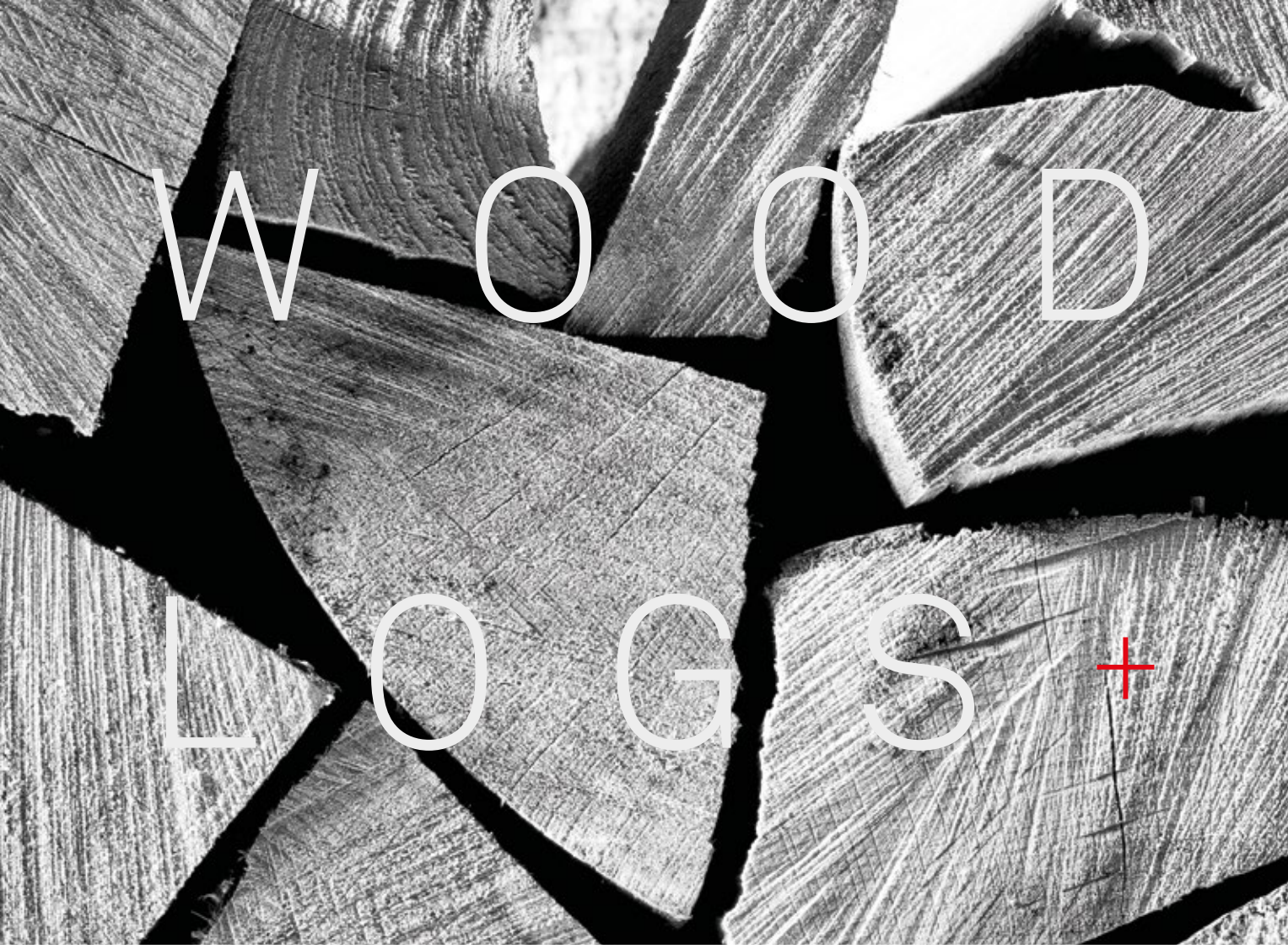


02. Fabric hopper



03. Buried hopper


Filling and return air pipes
Suction turbine
Fully automatic changeover unit for up to 8 suction probes
Inclined floors
Suction probe


WOOD
LOGS +


PELL
ETS +

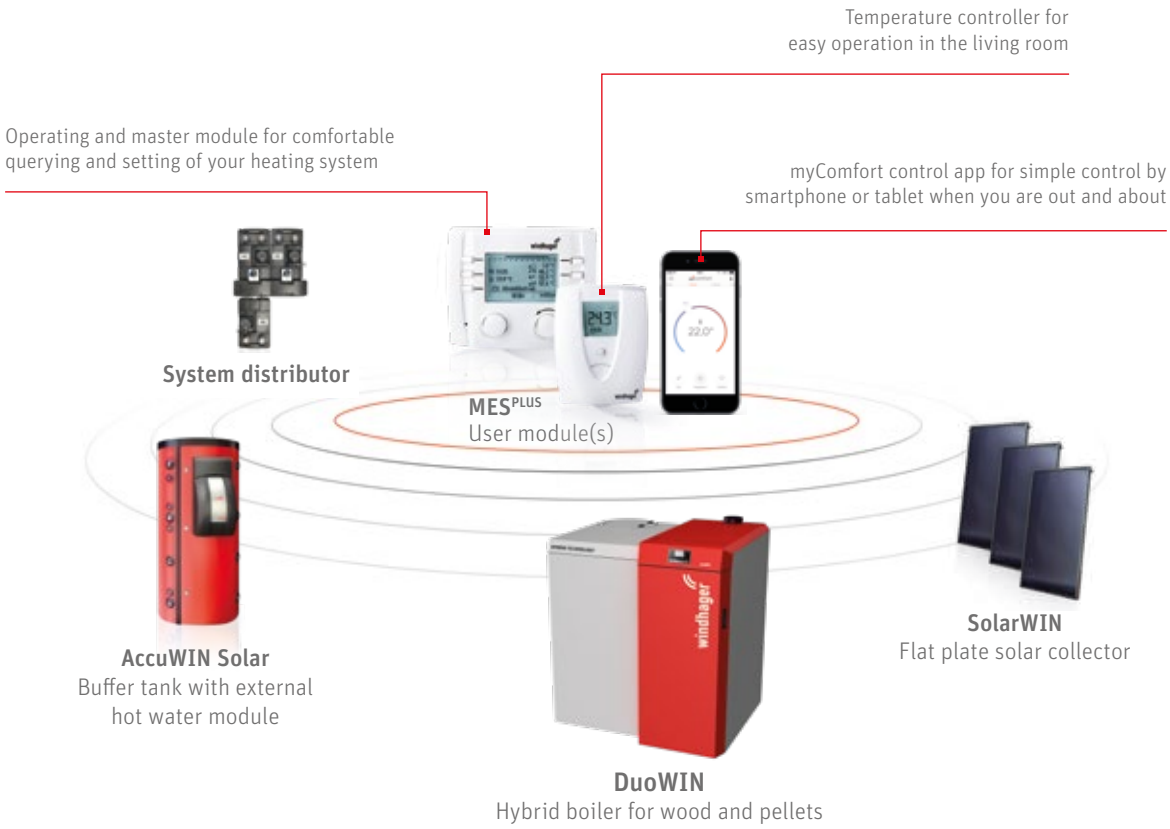
THE FUEL WITH A FUTURE

Wood and pellets are not just an economical solution, they're also excellent for the environment. Both fuels are CO_2-neutral and therefore serve to protect our climate. As renewable, domestic fuels, split logs and pellets are a sustainable alternative to oil and gas that are also readily available in high supply. Stringent international standards are in place to ensure that the quality of the fuel matches up.

Environmentally friendly
Inexpensive and stable in price
Independence from fossil fuels

+ COMBINING AND OPERATING OUR PRODUCTS

A total system solution that is simple and uncomplicated. With Windhager you get all system components from one source: Innovative heating solutions and integrated system components. Thanks to the Windhager system technology, you can combine all our products easily. The Energy is used efficiently, since MES^{PLUS} ensures that all components interact optimally.



+ INTELLIGENT EXTENSION



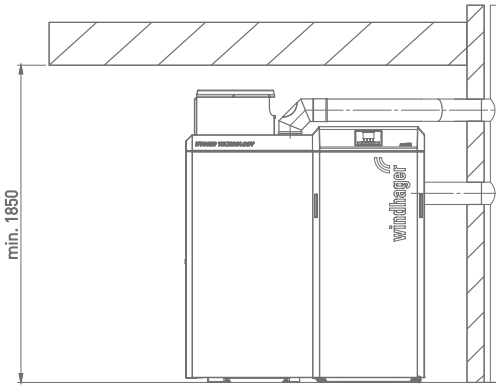
The DuoWIN pellet unit can even be retrofitted further down the line. The LogWIN Klassik split-log gasification boiler is available in a pellet-ready model that can be easily incorporated into the DuoWIN at any time with a pellet unit.

Simple integration

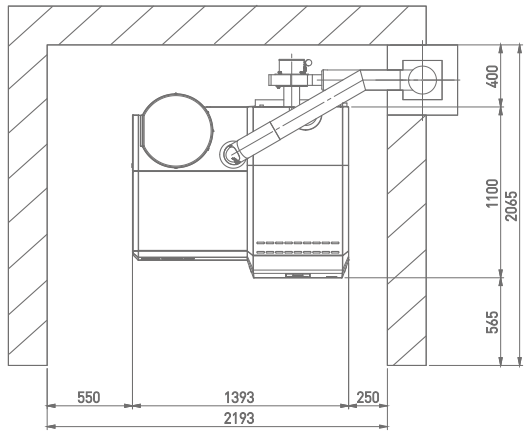
With the available exhaust manifold set accessory both flue pipe connections of the DuoWIN can be merged in a single chimney connection. Two dimensions with 130 mm and 150 mm diameter are available.



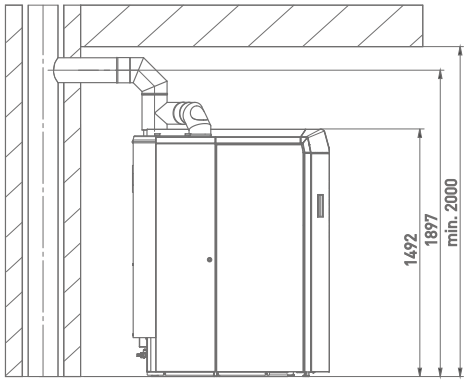
Front view DuoWIN – separate flue gas connection



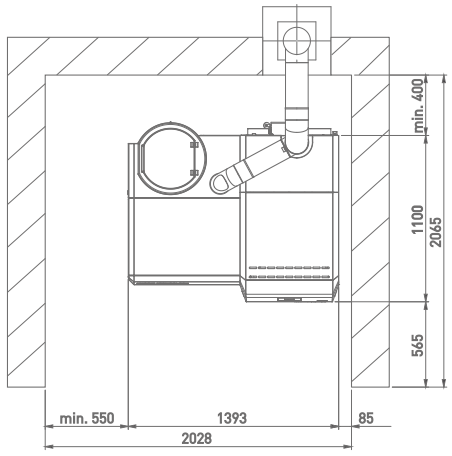
Minimum clearances DuoWIN – separate flue gas connection



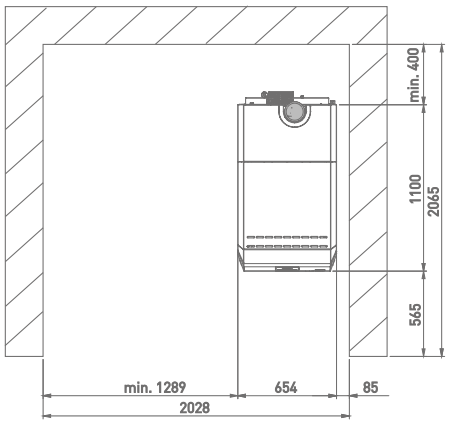
Side view DuoWIN
Flue gas collector set Duo 002 – vertical installation



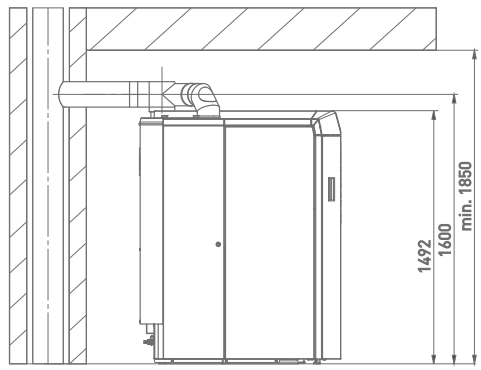
Minimum clearances DuoWIN
Flue gas collector set Duo 002 – vertical installation



Minimum clearances
LogWIN Klassik pellet ready



Side view DuoWIN
Flue gas collector set Duo 002 – horizontal installation



All measurements in mm.

TECHNICAL DATA

DuoWIN		Unit	DW K18 K15 DW K18 P15	DW K25 K21 DW K25 P21	DW K25 K26 DW K25 P26	DW K30 K26 DW K30 P26
Rated thermal output range	Wood Pellets	kW	15 – 18 4,3 – 15	15 – 25 6,3 – 21	15 – 25 7,6 – 26	15 – 30 7,6 – 26
Boiler efficiency at nominal load	Wood Pellets	%	90,9 93,8	90,7 [2] 93,9 [2]	90,7 [2] 93,9 [2]	90,5 93,9
Filling volume	Wood Pellets	liter	145 164 (108 [1])			
Installation dimensions H x W x D	Wood Pellets	mm	588 x 967 x 1340 714 x 720 (650 [4]) x 1146			
Minimum transport weight	Wood Pellets	kg	430 221 (200 [4])			
Boiler dimensions H x W x D		mm	1.393 x 1.100 x 1.492 (1.705 [1])			
Boiler weight (incl. cladding and hang-on parts)	Wood Pellets	kg	570 247–283 [3]			
Flue gas connection diameter		mm	130			
Power consumption at nominal load	Wood Pellets	W	43 33	49 [2] 41 [2]	49 [2] 48	53 48
Energy efficiency category			A+			

1) DuoWIN height with fully automatic pellet feed.
2) Interpolated from two values.
3) The actual weight depends on the model and can be somewhat reduced during transportation into the installation room by removing flexible parts.
4) Valid for DWK18 K15 amd DWK18 P15

+ THE WINDHAGER PRINCIPLE

Accurate advice from our expert PARTNERS

Our expert PARTNERS are on hand to answer any questions you may have about our products. These experienced heating specialists work closely with us to ensure you receive the best possible service.

Quick and professional customer service

The heating professionals working in our extensive customer service network provide rapid, expert and solutions-based support day in, day out.

AUSTRIA
Windhager Zentralheizung GmbH
Anton-Windhager-Strasse 20
A-5201 Seekirchen near Salzburg
T +43 6212 2341 0
F +43 6212 4228
info@at.windhager.com

Windhager Zentralheizung GmbH
Carlbergergasse 39
A-1230 Wien

GERMANY
Windhager Zentralheizung GmbH
Daimlerstraße 9
D-86368 Gersthofen
T +49 821 21860 0
F +49 821 21860 290
info@de.windhager.com

Windhager Zentralheizung GmbH
Gewerbepark 18
D-49143 Bissendorf

SWITZERLAND
Windhager Zentralheizung Schweiz AG
Industriestrasse 13
CH-6203 Sempach-Station near Lucerne
T +41 4146 9469 0
F +41 4146 9469 9
info@ch.windhager.com

Windhager Zentralheizung Schweiz AG
Rue des Champs Lovats 23
CH-1400 Yverdon-les-Bains

Windhager Zentralheizung Schweiz AG
Dorfplatz 2
CH-3114 Wichtrach

ITALY
Windhager Italy S.R.L.
Via Vital 98c
I-31015 Conegliano (TV)
T +39 0438 1799080
info@windhageritaly.it

UNITED KINGDOM
Windhager UK Ltd
Tormarton Road
Marshfield
South Gloucestershire, SN14 8SR
T +44 1225 8922 11
info@windhager.co.uk

windhager.com

blog

Your expert PARTNER

LEGAL NOTICE

Media owner, issuer and publisher: Windhager Zentralheizung GmbH, Anton-Windhager-Straße 20, 5201 Seekirchen am Wallersee, Austria, T +43 6212 2341 0, F +43 6212 4228, info@at.windhager.com, Images: Windhager; Subject to amendments, printing and layout errors. 07/2018, 036383/03

SINCE 1921
windhager
HEAT WITH VISION