Hoval

FACTBOOK

Hoval Belaria® pro (40,50)

Heat pump solution for multiple dwelling units, commerce and industry.





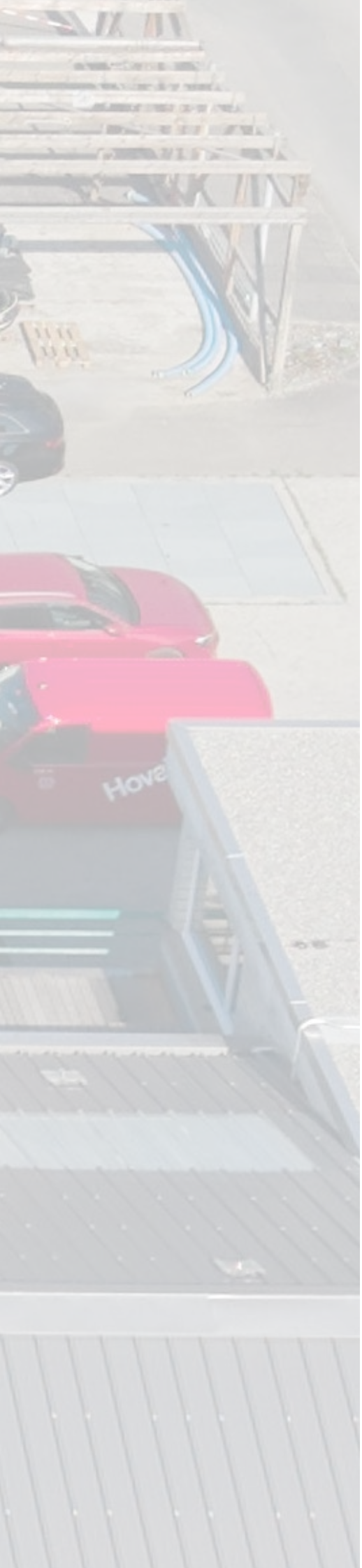
The revolutionary heat pump for multiple dwelling units, commerce and industry.

Another step towards the future.

Up until now, the energy transition has presented major challenges for specialist planners, clients and investors:
That's over now.
The Belaria® pro (40,50) air/water heat pump from Hoval offers everything that the beating heart of a futureproof solution for multiple dwelling units, commerce and industry requires: a natural refrigerant, high flow temperatures and quiet, cost-effective operation.

Heating and cooling capacity up to 200 kW

The Belaria® pro (40,50) heat pump does not just work as a standalone unit. Up to four units can easily be combined in a cascade, making a 200 kW heating and cooling capacity possible.



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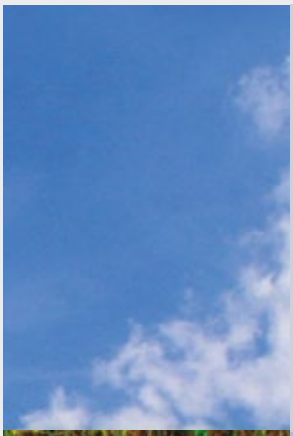
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The heat pump family

Welcome Hoval Belaria® pro (40,50).

BasicLine

Basic regulation (standalone)





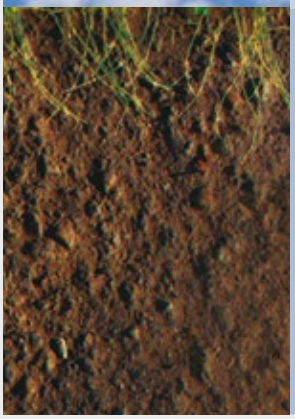
CombiVal WPER / WPEF



Belaria® fit (8-26)
(not available in CH, A, D)



Daikin Altherma 3 H HT W (14,18)
(available in CH, A)

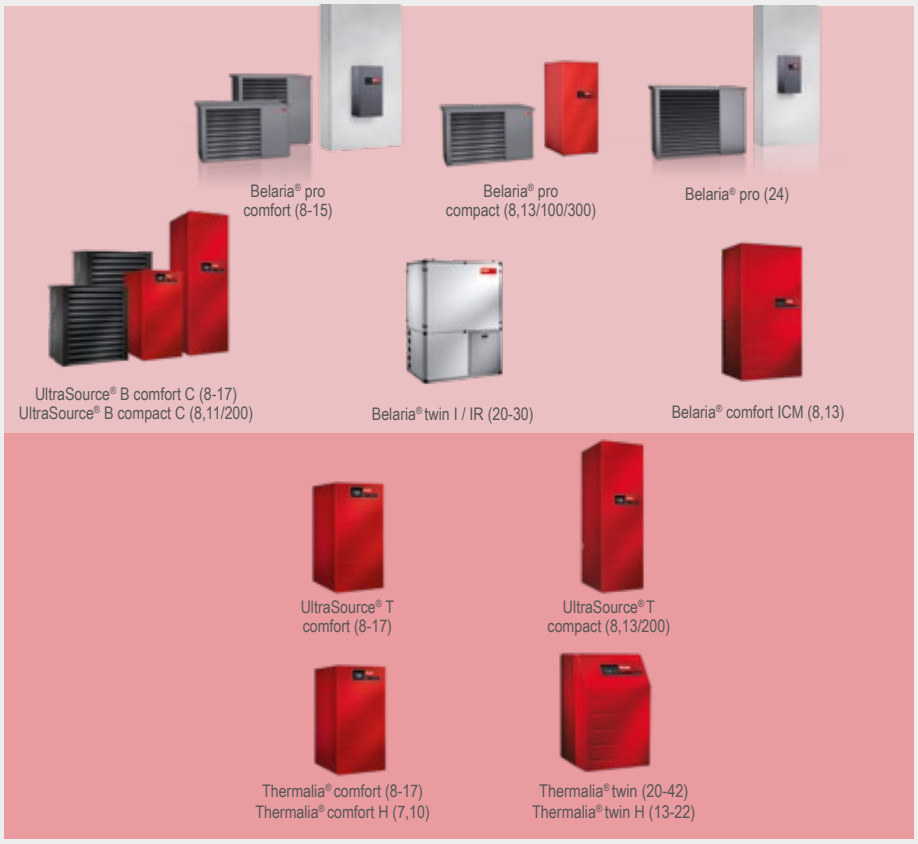


Three lines for quick selection.

The strategy of the three lines supports the quick preliminary selection of the right heat pump from the heat pump family according to the customer's needs. BasicLine and PremiumLine have their area of application in single-family and two-family homes. Compared to the BasicLine, the PremiumLine is characterised by higher efficiency and the TopTronic® E system control. ProfiLine products are suitable for medium and large buildings with higher output requirements. These different applications of the lines are reflected not only in the power range but also in the equipment, especially in the functionality of the control system.

PremiumLine

Built-in TopTronic® E system controller (online possible)



ProfiLine

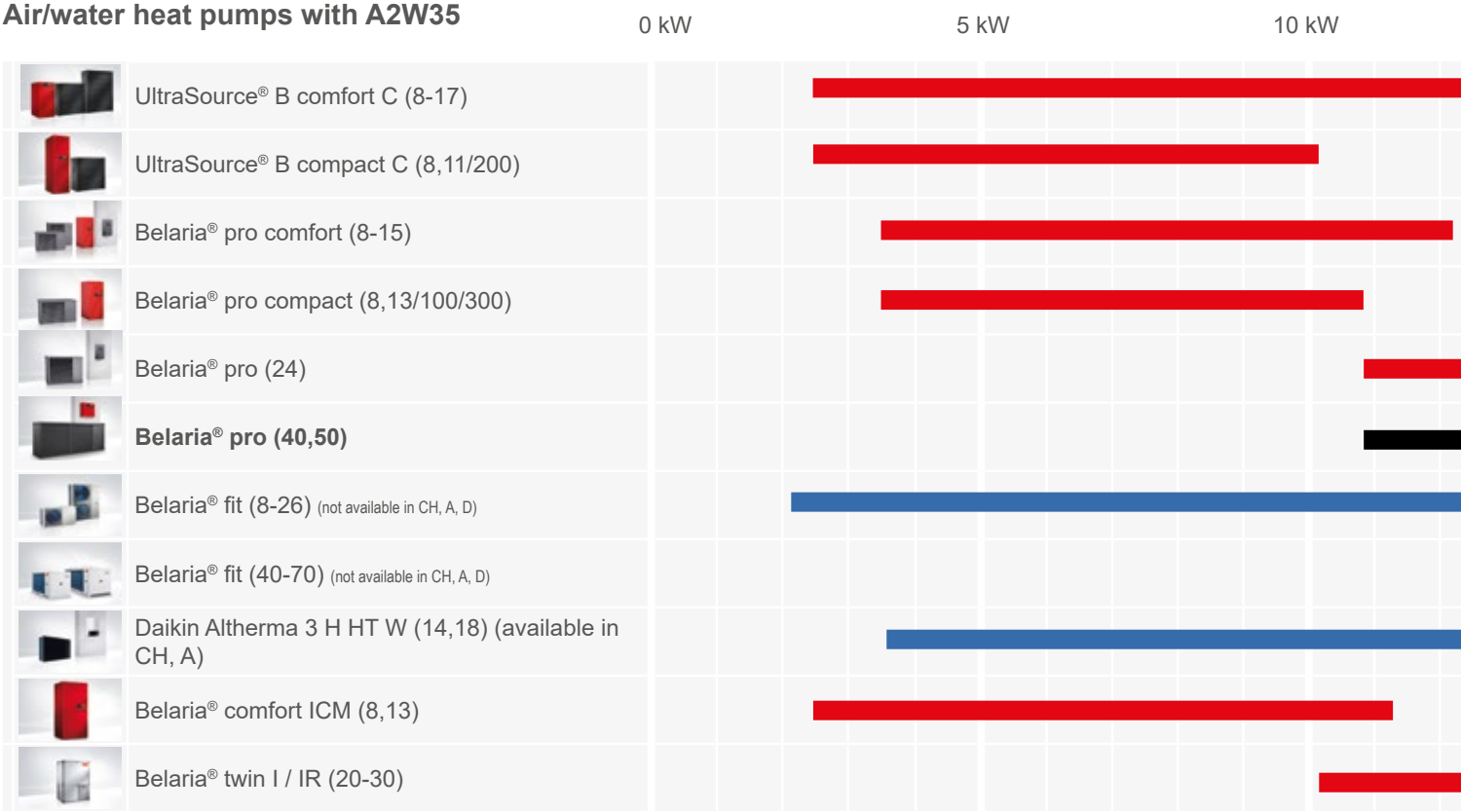
TopTronic® E system controller (control system)



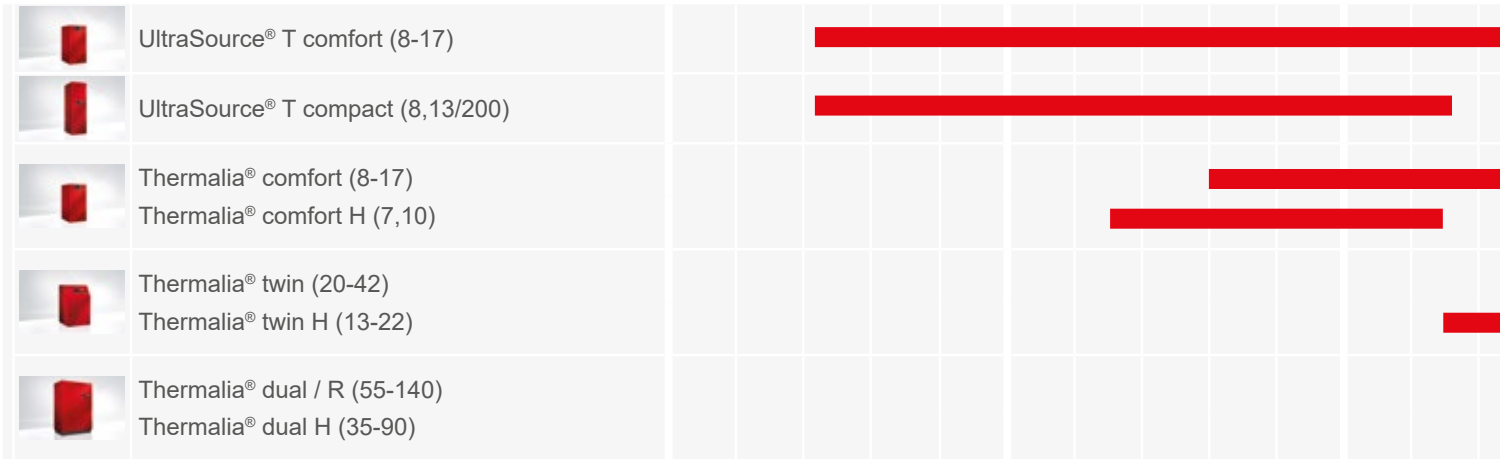
Hoval heat pumps

This is what they can do.

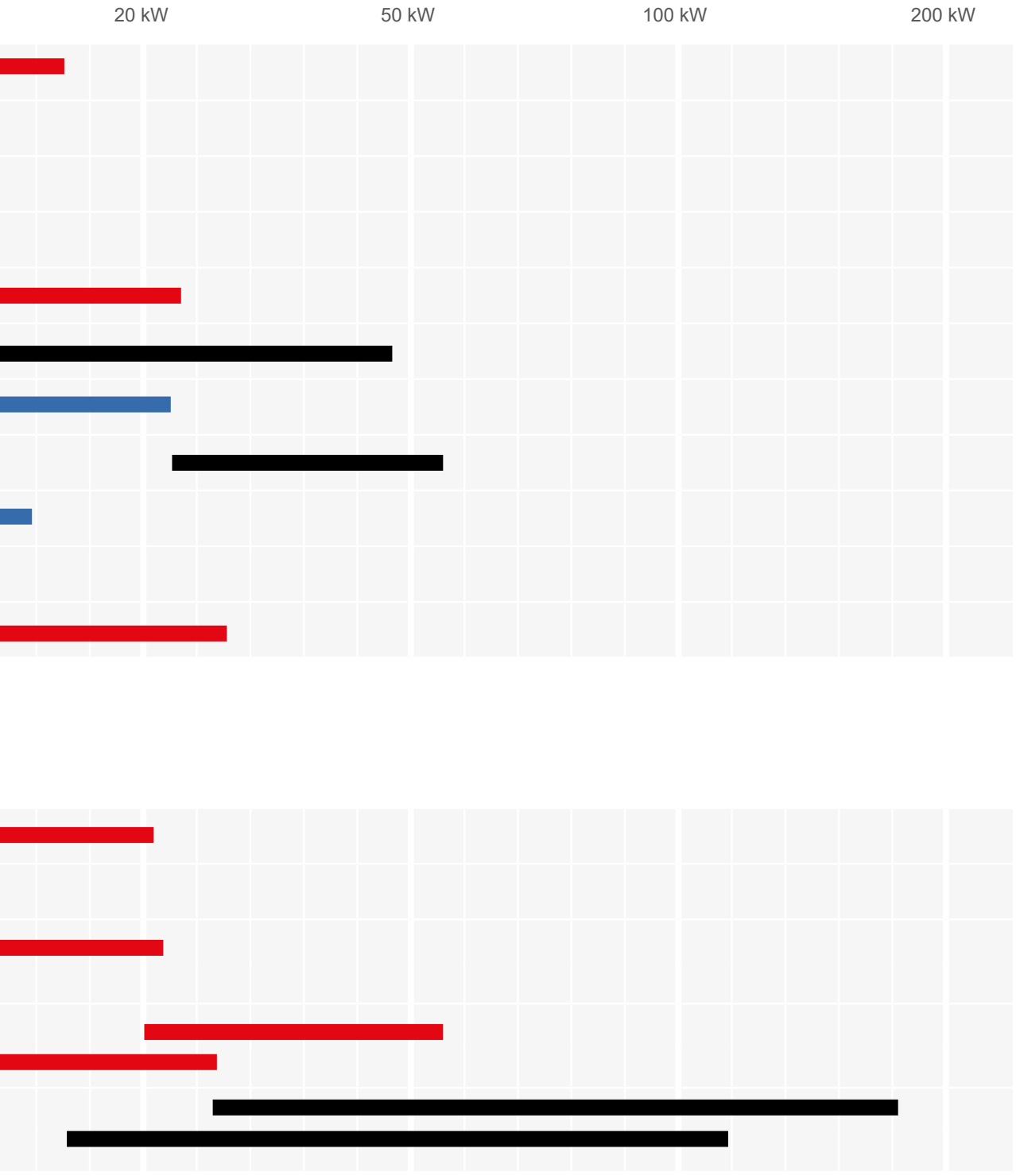
Air/water heat pumps with A2W35



Brine/water heat pumps with B0W35 / W10W35



PremiumLine ProfiLine BasicLine


20 kW
50 kW
100 kW
200 kW

Hoval Belaria® pro (40,50)

Are you curious? Let's get to know one another!




Hoval
Belaria

Hoval Belaria® pro (40,50)

Heat pump solution with natural refrigerant for multiple dwelling units, commerce and industry.

The solution for the energy transition

Up until now, the energy transition has presented major challenges for specialist planners, clients and investors: That's over now.
The Belaria® pro (40,50) air/water heat pump from Hoval offers everything that the beating heart of a futureproof solution for multiple dwelling units, commerce and industry requires: a natural refrigerant, high flow temperatures and quiet, cost-effective operation.

- Natural refrigerant
- Quiet
- High flow temperature
- Ultra-high efficiency

The whisper-quiet heat pump

A difference of just a few decibels can be crucial in deciding whether a system can be installed. When it comes to sound, the Belaria® pro (40,50) scores top marks. This is ensured by the large-area evaporators with a low pressure drop and slowly rotating fans. It scores top marks with a maximum sound power level in daytime operation of just 65 dB(A).
The two models with identical designs feature clever details such as the vibration-damping feet with effective structure-borne noise decoupling as standard. They "swallow up" vibrations, which makes the units highly suitable for installation on a roof. The air is expelled horizontally.
Installation on the ground means that there is no detrimental impact on the upper storeys of a building. Given proper installation, when the unit is in operation, it does not disturb the people who live in the residential development or the neighbours.

High flow temperatures for refurbishments and domestic water

Existing buildings have a level of insulation that is inferior to that of modern new buildings and often distribute the heat inefficiently via radiators. With its high flow temperature of up to 70 °C at outdoor temperatures of –10 °C, the Belaria® pro (40,50) is also ideal for refurbishing these kinds of buildings. What is more, these flow temperatures make it easy to provide domestic water heating.

Highly efficient for low operating costs

The Belaria® pro (40,50) operates highly efficiently and meets the criteria of the highest energy efficiency class A^{+++} for both low-temperature and medium-temperature applications. This is ensured not least by the modulating compressors, which only ever consume as much electricity as necessary.
The "seasonal room heating energy efficiency" indicates how much primary energy and auxiliary energy is actually required to produce a kilowatt hour of heat. This is where the Belaria® pro (40,50) achieves a top score in its performance class with a figure of more than 200 % at 35 °C.
This produces a saving on operating costs of 15 to 25 % compared to the Belaria® dual AR (60).

Belaria® pro (40,50)

The pioneering air/water heat pump in a monoblock design – it heats and provides domestic water heating, as well as cooling in the summer. It extracts heat from the ambient air and is available with a wall-mounted electrical box as well as a built-in TopTronic® E control. Suitable for multiple dwelling units, commerce and industry in new building and refurbishment.



Natural refrigerant R290 (propane)

A+++ (A+++→ D)

CleverCool inside

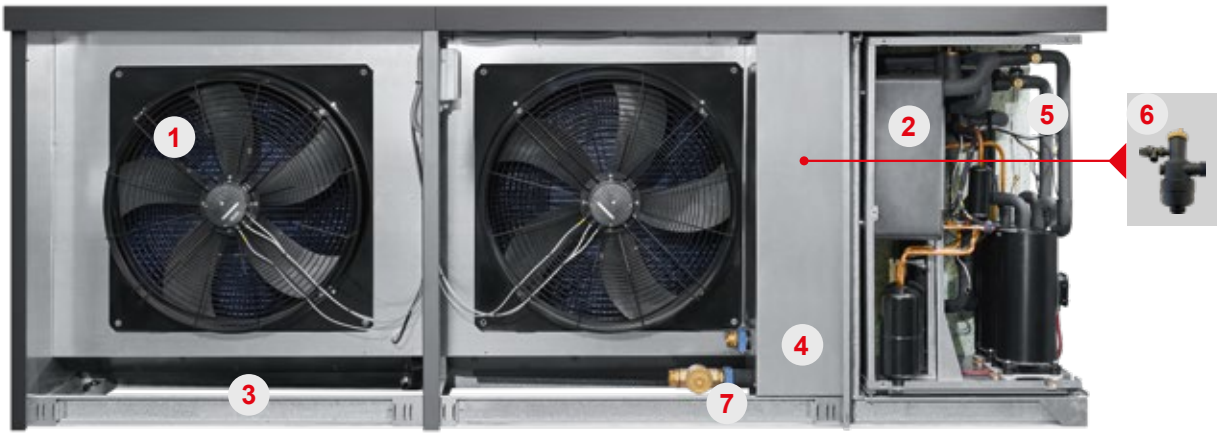
A+++ (A+++→ D)

EnergyManager PV smart

Hoval Belaria® pro		(40)	(50)
Energy efficiency class “moderate climate” 35/55 °C (A+++→ D)		A+++ / A+++	A+++ / A+++
Room heating energy efficiency “moderate climate” 35/55 °C ηS	% / %	202 / 155	210 / 163
Seasonal coefficient of performance “moderate climate” 35/55 °C (EN 14825) SCOP		5.1 / 3.9	5.3 / 4.1
Min. - max. heat output for A2W35 (EN 14511)	kW	11.8 - 38.4	11.8 - 48.0
Min. - max. heat output for A-7W35 (EN 14511)	kW	11.9 - 35.4	11.9 - 44.2
Min. - max. cooling capacity for A35W18 (EN 14511)	kW	13.0 - 41.8	13.0 - 41.8
Max. sound power level outdoor unit, day operation	dB(A)	65	65
Outdoor unit sound power level (EN 12102)	dB(A)	55	56
Max. flow temperature	°C	70	70
Refrigerant		R290	R290
Dimensions of outdoor unit (height x width x depth)	mm	1514 x 3750 x 1005	1514 x 3750 x 1005
Dimensions of the electrical box (height x width x depth)	mm	750 x 600 x 160	750 x 600 x 160

Hoval Belaria® pro (40,50)

The outdoor unit.



Outdoor unit

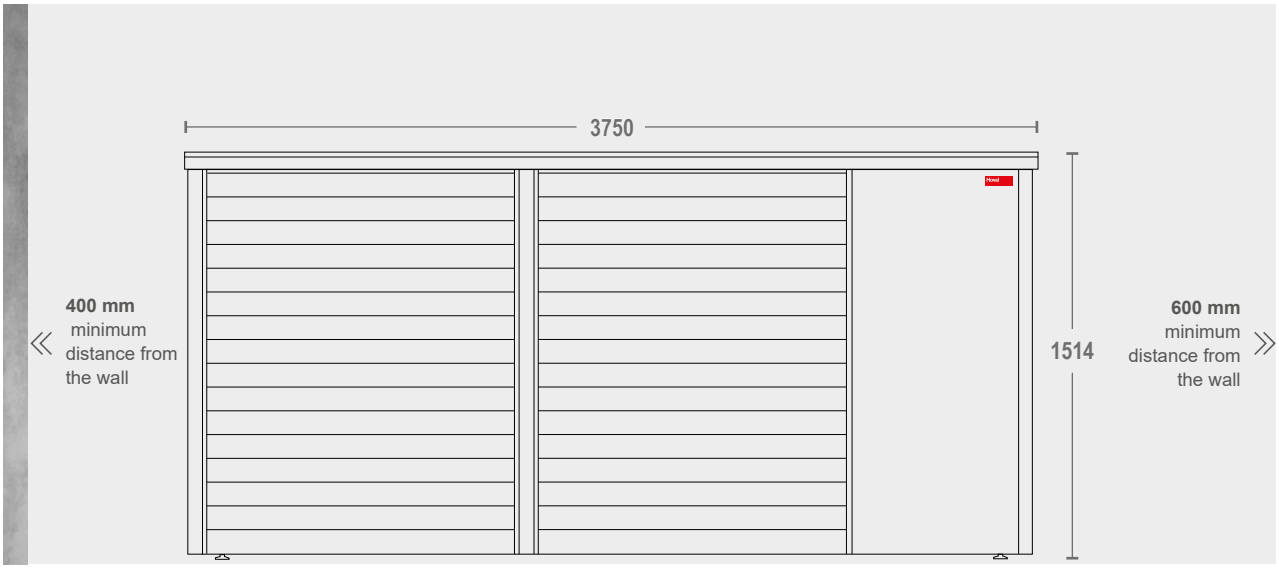
1 High-tech fan assembly

The air flow through the fan has been optimised. Equipped with HyBlade® technology, it requires a low speed to move large volumes of air. The large fan adjusts its speed of revolution to the required output. The FlowGrid air guide grille directs the intake air so that it flows through the evaporator optimally and almost silently. The latest fan technology ensures efficient and quiet operation.

2 2 redundant refrigeration units

The Belaria® pro is characterised by maximum operational reliability thanks to two fully redundant refrigeration units. Each refrigeration unit has its own circulating pump and a flow sensor so that the heat pump continues to operate and reliably supply heating or cooling even if one unit fails.
All of the refrigeration units are housed in the outdoor unit and use R290 (propane) as a natural refrigerant. The inverter adjusts the

Dimensions of outdoor unit



Front view

output of the heat pump precisely to the current heating requirement, resulting in efficient modulation. The compressor is installed on sound-absorbing mounts and operates particularly quietly – even at maximum output, a low-vibration mounting and additional encapsulation minimise noise emissions.
Heat transfer takes place via a plate heat exchanger which feeds the energy obtained from the ambient air into the heating circuit. The Belaria® pro thus offers a combination of high efficiency, reliability and whisper-quiet operation.

3 2 condensate drip trays with tray heating

The condensate drip trays with tray heating, which are included as standard, ensure that the condensate produced flows off without any problems even at low outside temperatures. The output of the tray heating is adjusted to the maximum condensate produced and ensures safe operation, even at low temperatures.

4 Hydraulic and electrical systems ready for connection

The connections of the flow and return of the hydraulic line for the heating water as well as the main and control current are positioned on the underside of the outdoor unit and are already ready for connection.

5 Insulation against heat loss and sound

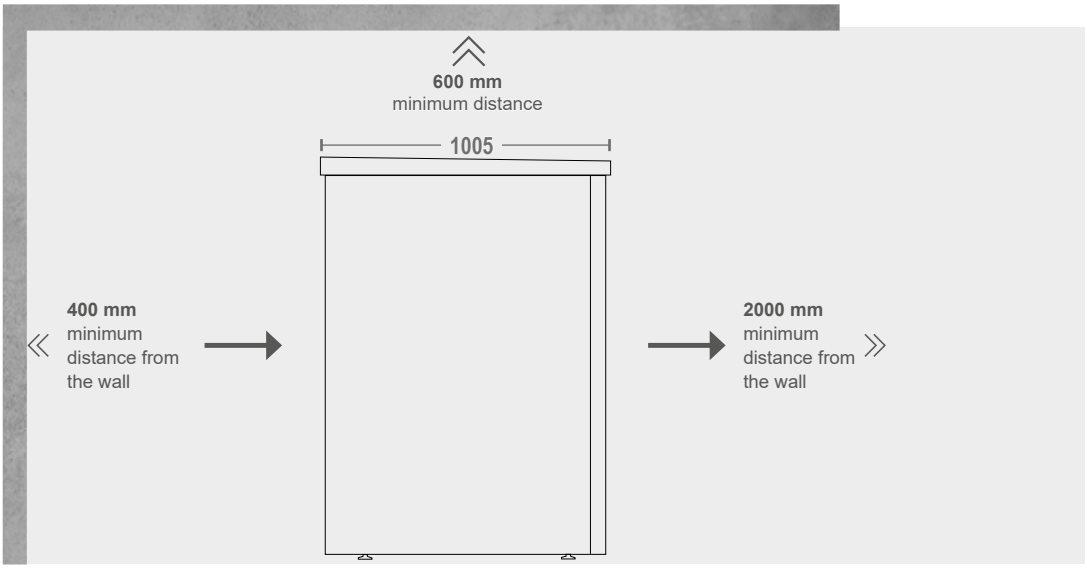
The casing of the outdoor unit is specially soundproofed and equipped with insulation materials against heat losses.

6 2 gas separators with 2.5 bar safety valve

The gas separators are installed in the flow of the heat pump, directly after the condenser.

7 Non-return valve

The non-return valve is installed in the return of the heat pump, directly after the filter ball valve/strainer.



View from the left

A look inside the building

Electrical box and ControlBox.

Electrical box

Simple bringing in and installation

The Belaria® pro (40,50) features a compact electrical box for wall installation. For simple systems, the electrical box with the TopTronic® E controller provides the basic equipment for integrating the Belaria® pro (40,50) with Hoval products to create an efficient heating system.



Electrical box

1 TopTronic® E controller

The modular control platform for versatile operation, simple system integration and with integrated cooling function.

2 Control set (switching contactor)

Necessary for activating an external electric heating element. Control set for installation in the wall-mounted electrical box.

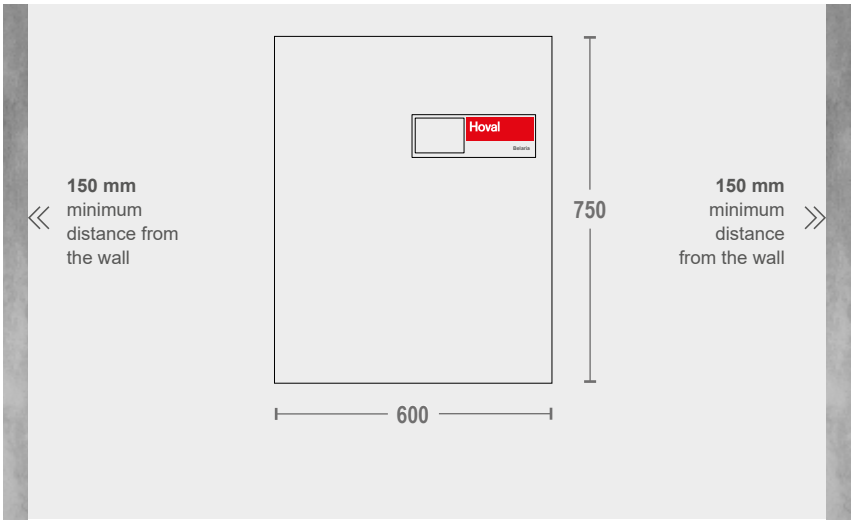
3 Casing

Casing with sheet metal cladding, powder-coated, colour flame red (RAL 3000)

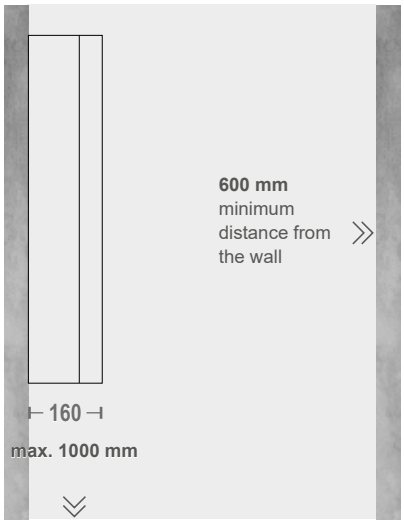
4 Cable introduction

The connections for the control current and the cable introduction for the sensors (RS485) are located on the underside of the electrical box.

Dimensions of electrical box



Front view



View from the left



ControlBox

Flexible control for different system requirements

In cascades, a single ControlBox is sufficient to fulfil the requirements of different systems and customers. Installation time and space requirements are significantly reduced.

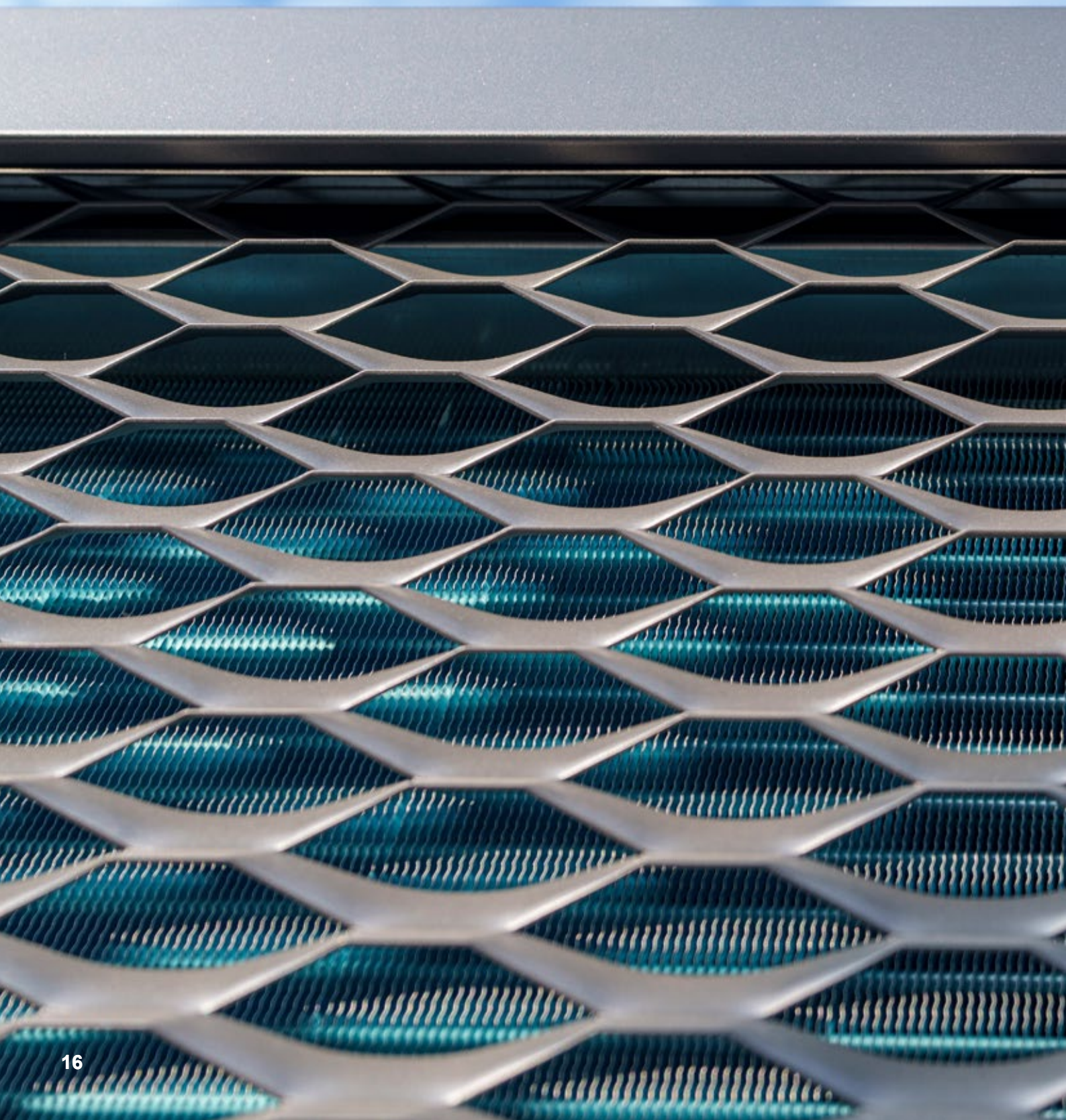


ControlBox

The ControlBox also enables customised adaptation to specific customer wishes and requirements. The Hoval ControlBox simplifies controlling the entire system solution. Each ControlBox is an individually planned control panel and ensures efficient electrical distribution to all units. Hoval offers a well thought-out service from day one and provides all the documentation needed for the smooth connection of the ControlBox in a complete package. In addition, the control technology of the ControlBox reliably fulfils the current EN standards (EN 61439 parts 1 and 2).

Comparison of details

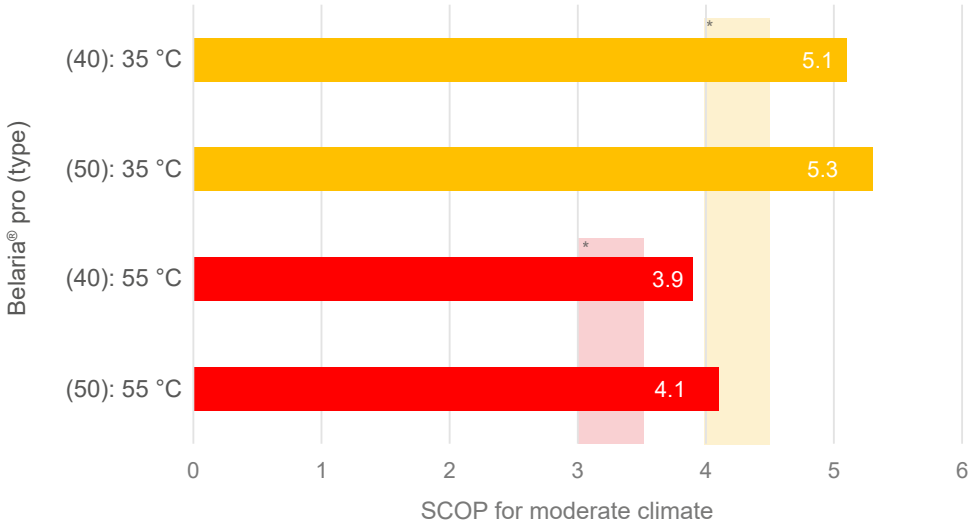
Efficiency, refrigerant, sound, areas of application.



Efficiency SCOP

Warm in summer, cold in winter. The required heat output for a building changes with the seasonal temperature fluctuations. The Belaria® pro optimally adapts its output to the respective demand thanks to modulating inverter technology. It switches on and off less frequently, i.e. it works more evenly. This not only increases efficiency, but also reduces operating costs. Thus, the Belaria® pro is one of the most efficient heat pumps in its competitive environment. The Seasonal Coefficient of Performance (SCOP) enables efficiency values to be compared.

SCOP = Seasonal Coefficient of Performance
The calculation is made from the ratio of the annual heating energy demand to the annual electricity demand depending on the supply temperatures 35 °C or 55 °C to be provided. The two values are determined at different operating conditions over one year and weighted by climate zone.



* Most comparable heat pumps are in this range.

Highly efficient for low operating costs

The Belaria® pro (40,50) operates highly efficiently and meets the criteria of the highest energy efficiency class A^{+++} for both low-temperature and medium-temperature applications. It is able to do this not least due to its modulating compressor, which only ever consumes the power that it actually needs.

The “seasonal room heating energy efficiency” indicates how much primary energy and auxiliary energy is actually required to produce a kilowatt hour of heat. This is where the Belaria® pro (40,50) achieves a top score in its performance class with a figure of more than 200 % at 35 °C. This produces a saving on operating costs of 15 to 25 % compared to the Belaria® dual AR (60).

Natural refrigerant

Sustainability with natural refrigerant R290

Legal requirements and ecological responsibility prompted Hoval to opt for the natural refrigerant R290 (propane) at an early stage. With a GWP (global warming potential) of less than 3, R290 offers an environmentally friendly alternative to synthetic refrigerants, some of which have a GWP of over 2000. Thanks to its outstanding thermodynamic properties, the Belaria® pro (40,50) works efficiently – even at high flow temperatures. This means that they already fulfil the EU requirements for environmentally friendly monoblock heat pumps up to 50 kW that will apply from 2027 onwards.

Safe and easy installation due to monoblock construction

In order to do justice to the special properties of R290 (propane), Hoval relies on a sophisticated monoblock design with safety measures integrated in the design. The entire refrigeration circuit is located in the outdoor unit and forms a closed, sealed unit. The heat is transported into the interior of the building via hydraulic connection pipes. This design enables simple installation, as the device is pre-assembled ready for connection. With its natural refrigerant, high flow temperature and quiet operation, the Belaria® pro (40,50) fulfils all requirements for multiple dwelling units, commerce and industry.

R290

Heat pumps – permitted filling quantities for R290 (propane)

Without construction measures, only the following maximum quantities are permitted:

Inside buildings:	150 g
Outside buildings:	5 kg

The outdoor unit of the Belaria® pro (40,50) has two completely separate refrigeration units with a filling capacity of 4.8 kg and 4.9 kg, and is below the specified limit value.



Environment and legal basis

Greenhouse gases are driving global heating and climate change. When you think about climate change, carbon dioxide (CO_2) and methane (CH_4) are the first things that come to mind. However, there are more than 20 natural and man-made greenhouse gases that contribute towards global heating. The global warming potential (GWP) describes how much a greenhouse gas contributes to global warming compared to the same quantity of CO_2.
The common refrigerant R410A, which is often used in heat pumps, will have to be largely replaced by the Phase Down Scenario (roadmap for the gradual reduction of synthetic refrigerant production) by 2027 due to its high GWP value. Despite apparently closed refrigerant circuits and clear regulations on the extraction and reuse of refrigerants, R410A pollutes the climate 2088 times more than CO_2, for example, in the event of a leak.
As a result of the technological development of refrigerants, alternatives are available.
A balance needs to be struck between the GWP value, combustibility and toxicity in the process.
Some manufacturers of heat pumps are taking a considerable step towards a lower global warming potential with the gradual switch to refrigerants with a GWP < 150. However, Hoval is going significantly further in protecting the climate from greenhouse gases with the Belaria® pro.
The main advantage of R290 (propane) is its low GWP value of 3. It is also non-toxic. And the potential flammability of propane is counteracted by the monoblock design.
That means Belaria® pro meets the legislation of tomorrow – today.

Overview of common refrigerants

Calculation based on IPCC AR4.

Comparison between GWP (global warming potential) of refrigerants.



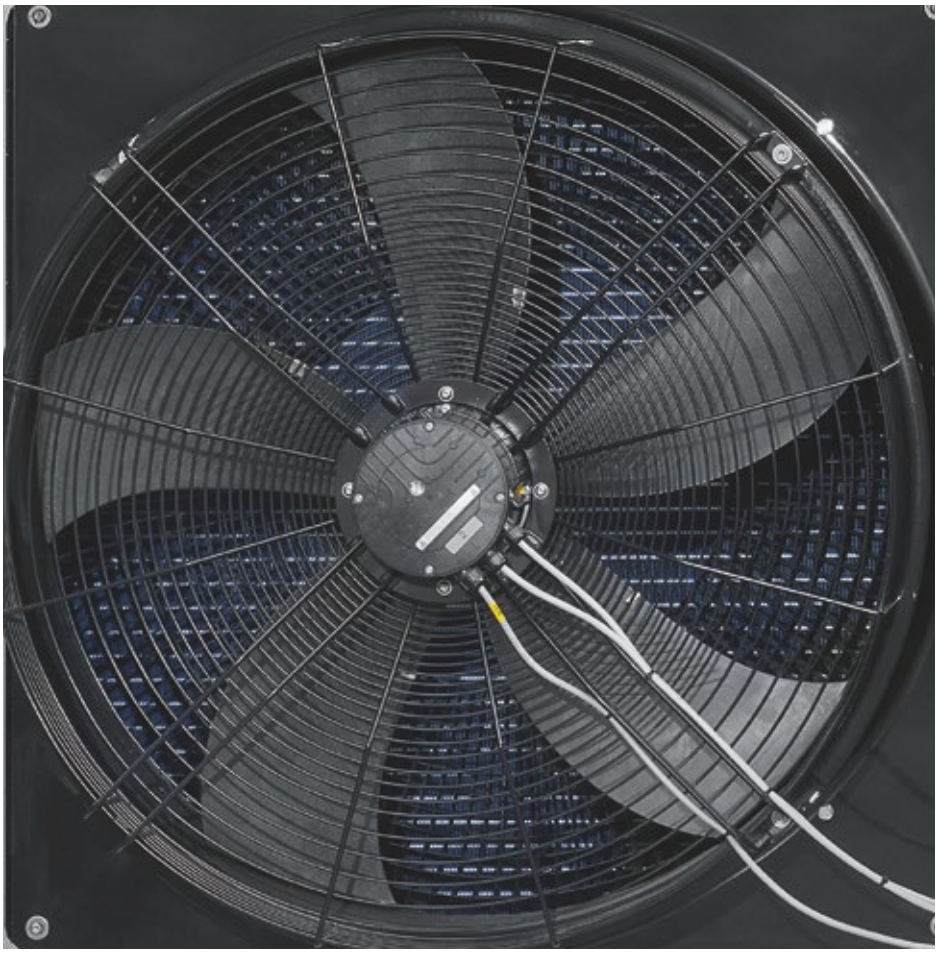
Sound

Quiet in operation, powerful in efficiency.

The Belaria® pro (40,50) is one of the quietest heat pumps in its performance class and fulfils the highest sound insulation requirements – without any additional measures. Their sophisticated design with a large evaporator and low pressure drop not only enables high efficiency, but also contributes significantly to noise minimisation. The modulating operating mode precisely adjusts the output to the actual heat demand, thereby minimising noise emissions during operation. This is complemented by vibration-damping feet fitted as standard, which ensure effective structure-borne noise decoupling. This makes the heat pump particularly suitable for installation on roofs. The horizontal air outlet was also specifically designed to prevent sound transmission to upper floors. With a maximum sound power level of just 65 dB(A) in daytime operation, the Belaria® pro (40,50) scores top marks in its class. This means that operation remains pleasantly quiet at all times – both for the residents and for the neighbourhood.



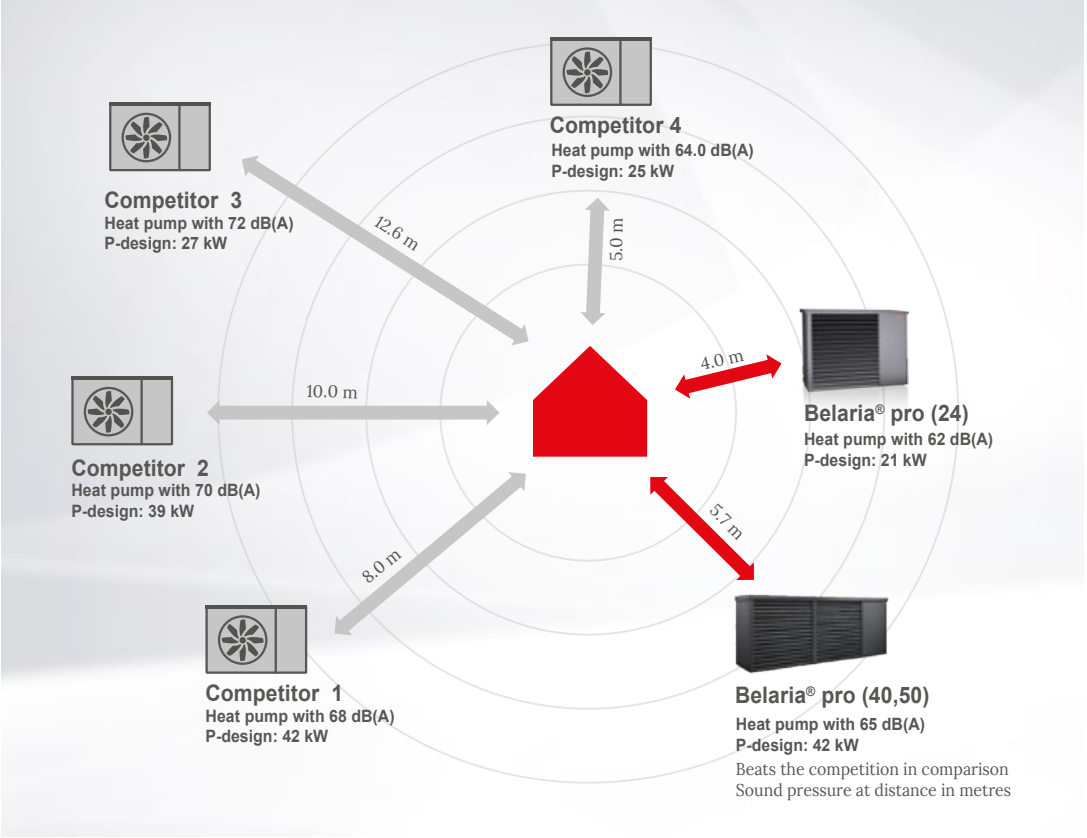
Vibration-damping foot



The sound level plays a central role in the use of heat pumps, especially in residential areas or working environments where a low sound level is essential. Quiet operation not only makes a decisive contribution to living and working comfort, but is also a key criterion for compliance with statutory noise protection requirements. The Belaria® pro (40,50) offers an impressive and particularly low sound values and achieves peak values that are well below the average of other suppliers compared to standard units on the market. Our innovative technology makes it possible to combine high efficiency and strong output with exceptionally quiet operation. This makes the Belaria® pro (40,50) ideal for use in noise-sensitive areas. They offer real added value – both in terms of user comfort and reliable fulfilment of noise protection requirements.

Comparison of the sound pressure measured at distance in metres

- Max. sound power level of the heat pump in day operation
- Correction of the directional effect: installation of the heat pump on the facade (< 3 m distance from the wall: +6 dB(A))
- Assessment level at the receiving location: ≤ 45 dB(A) sound pressure level



Beats the competition in comparison
Sound pressure at distance in metres

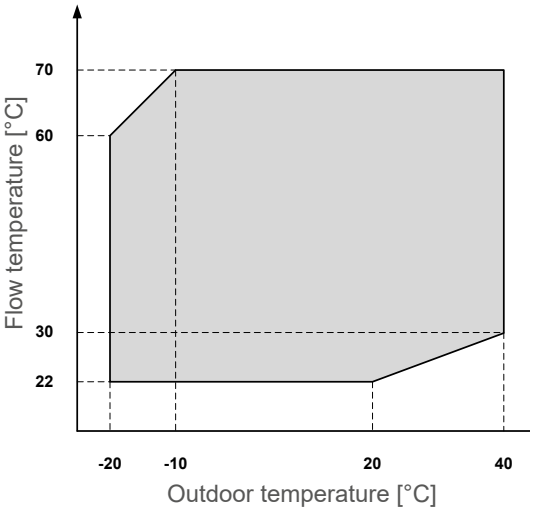
Areas of application

Heating and domestic hot water

High flow temperatures for refurbishments and domestic water heating

Existing buildings have a level of insulation that is inferior to that of modern new buildings and often distribute the heat inefficiently via radiators.
With its high flow temperatures of up to 70 °C at an outdoor temperature of –10 °C, the Belaria® pro (40,50) is also ideal for refurbishing these kinds of buildings. What is more, this flow temperature makes it easy to provide domestic water heating.

Hoval Belaria® pro (40,50)



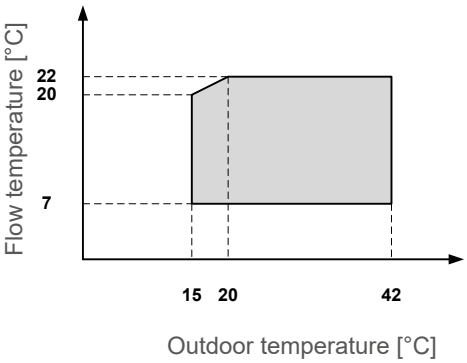
Area of application heating/domestic hot water heat pump

Cooling

Integrated cooling function

Heat in winter and cool in summer. With the integrated CleverCool function, the heat pump ensures pleasant temperatures in the rooms in summer. In heating mode, the heat pump extracts heat from the ambient air and uses it for heating. If the cooling function is active, the circuit works in the opposite direction. Heat is extracted from the rooms and released into the environment by the heat pump.

Hoval Belaria® pro (40,50)



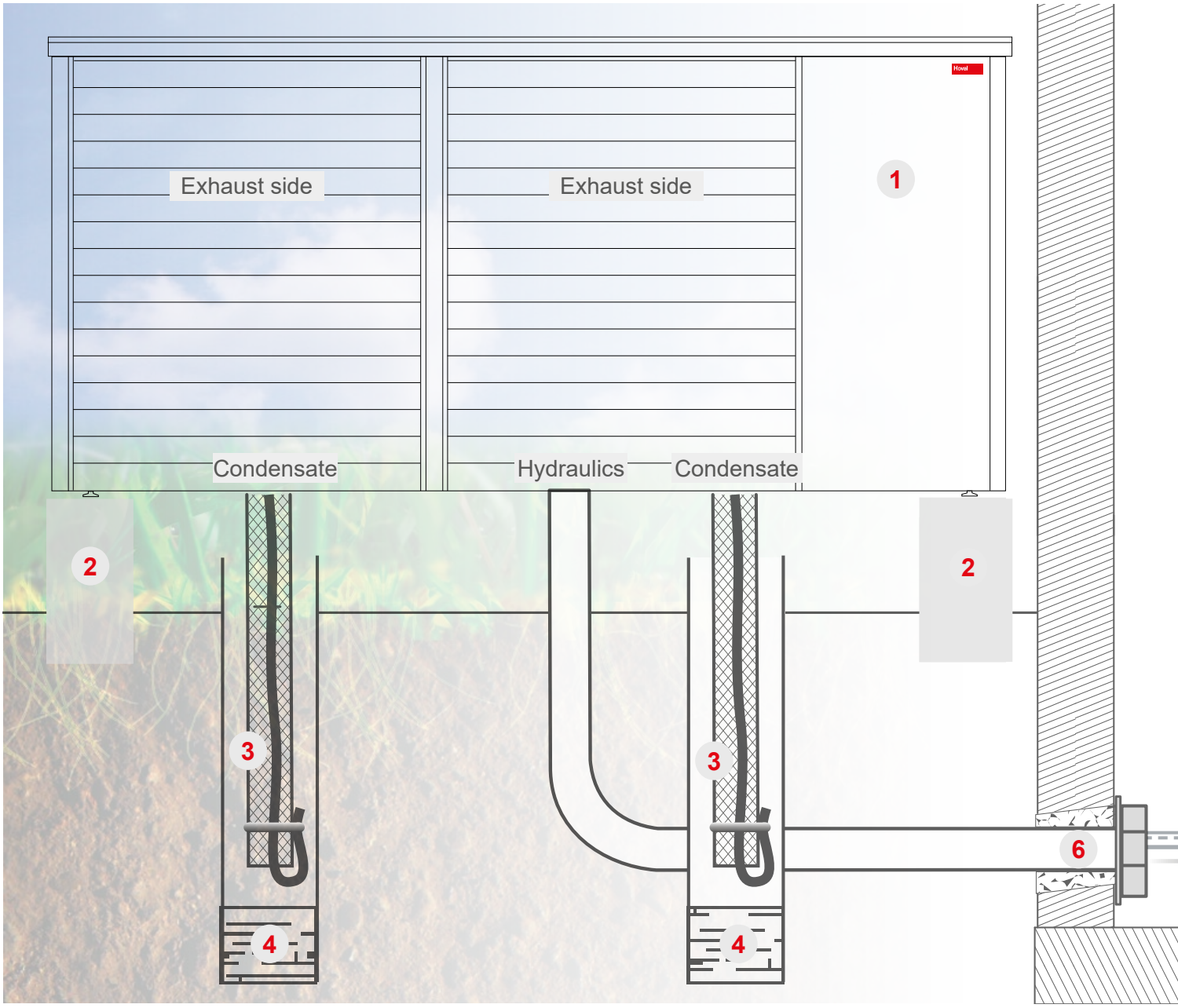
Area of application cooling heat pump

CleverCool inside

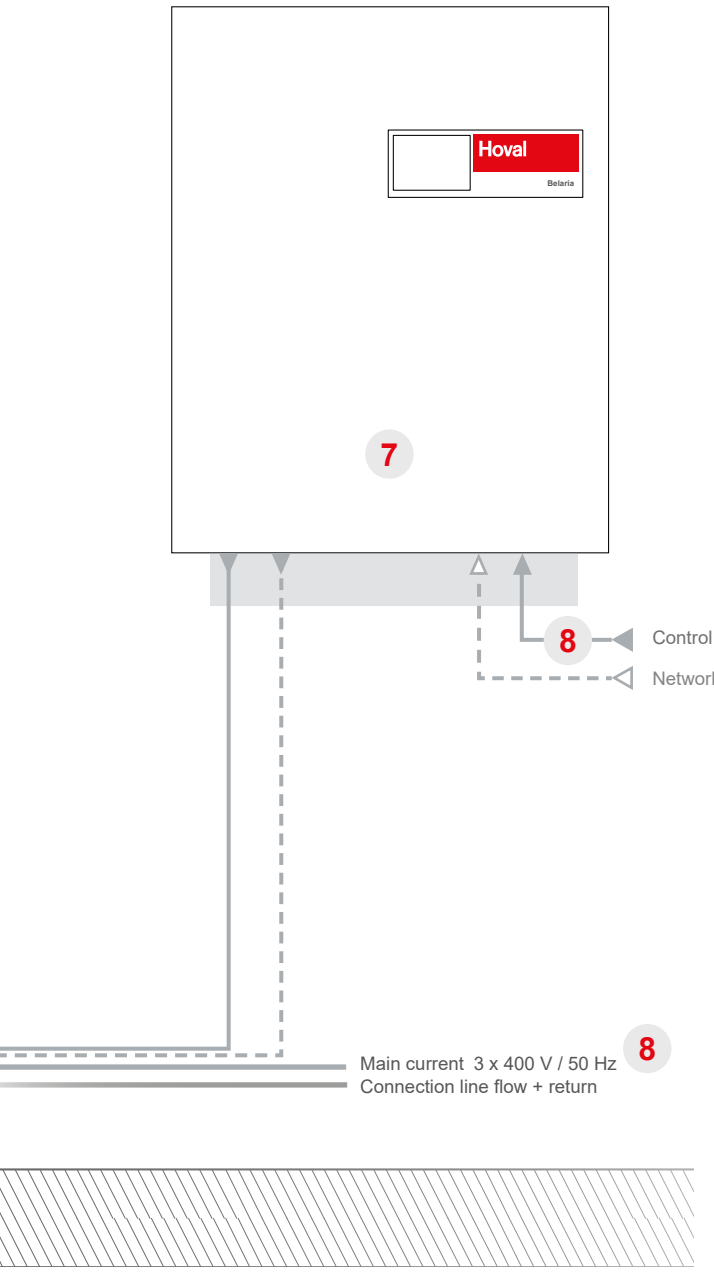


Overview at the place of use

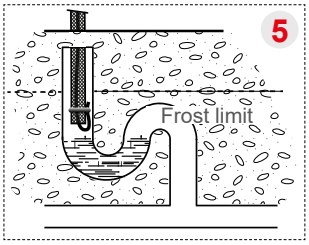
Connection and precisely fitting accessories.



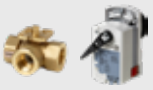
1. Outdoor unit
2. Strip foundation, floor plate
3. Condensate drain Ø 28 mm
   The condensate can be drained separately. Alternatively, both condensate drains can be combined.
4. **Variant 1:** Seepage (duct/gravel layer)
5. **Variant 2:** Discharge into the sewer system
   The penetration into the soil must be made leak-tight.
   Observe regional guidelines on the discharge of condensate into the sewage system.
6. Wall lead-through
   (hydraulic and electrical connections)
7. Electrical box
8. Main current: 3 x 400 V/50 Hz
   Control current: 1 x 230 V/50 Hz
   Data bus RS485



Variant 2: Condensate to sewage system



Switching ball valve with motor drive



Butterfly valves with motor drive



Vibration decouplers



Dew point switch



Pump and PHE
for system separation



Control set (switching contactor)
For activating an external electric heating element
3~400 V / 50 Hz.



Transport and handling options

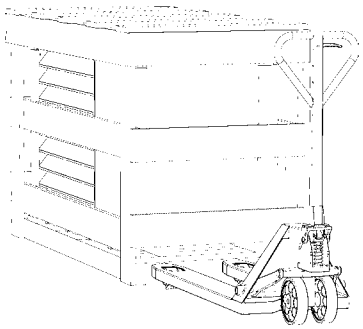
From delivery to the installation site.



The outdoor unit is not allowed to be tilted more than 30° during transport. In addition, the centre of gravity of the system is not in the middle – special care is therefore required when lifting and aligning it.

Transport by lift truck or forklift

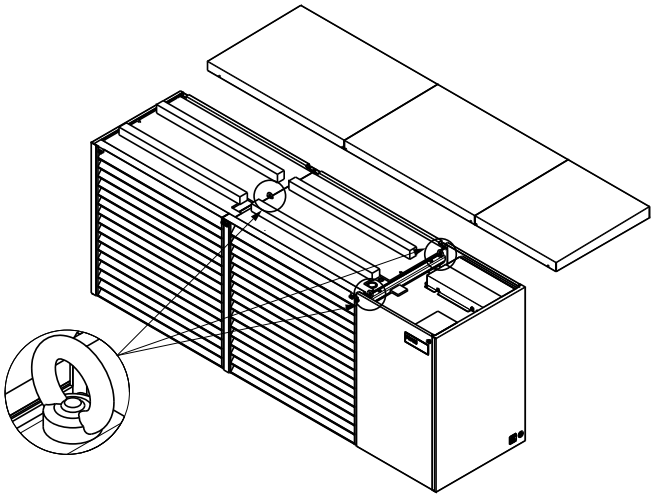
When transporting with a lift truck or forklift, the packaging including the transport crate remains fully assembled. The fork must be inserted on the cooling element side in the longitudinal direction.



Transport by crane

The outdoor unit is suitable for crane transport and can be safely lifted to the desired installation location. The three-part roof must be removed for this purpose. The lifting eyes are pre-installed at the factory and are directly accessible after removing the roof.

3-part, removable roof



3 crane hooks integrated ex works



Hoval TopTronic® E controller

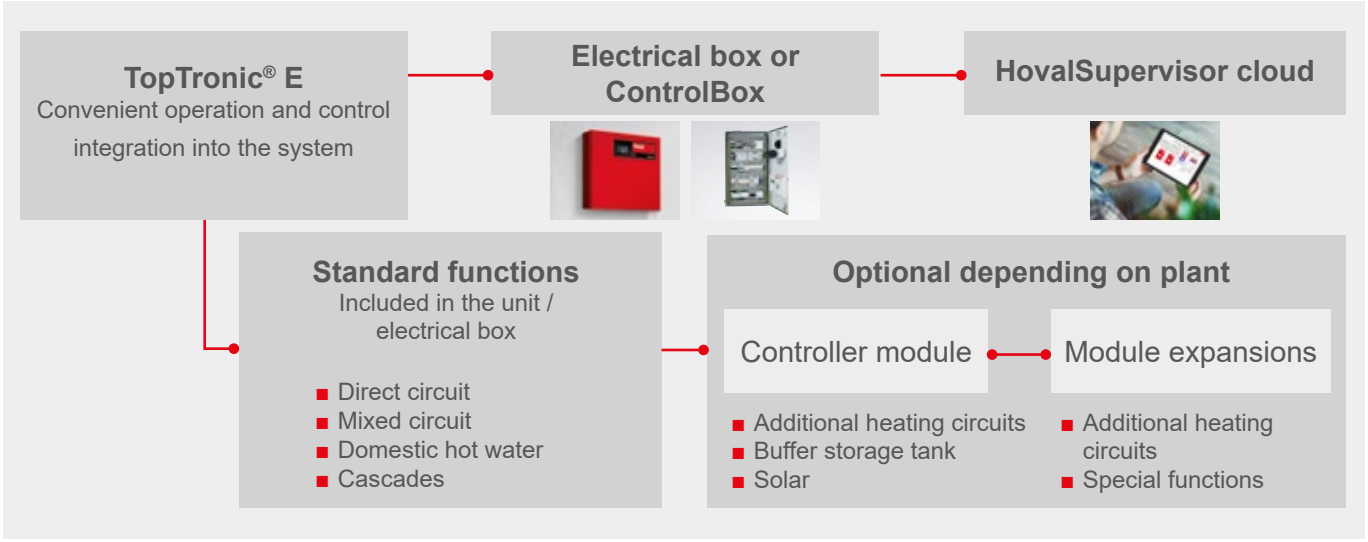
The licence for combinations.

System can be expanded

The modular design of the TopTronic® E controller allows plants to be individually configured. A complete system with coordinated components is more energy efficient than the combination of individual devices.

Cascades as standard

Hoval's extensive product range is also reflected in the functionality of the controls. Communication between the individual products is guaranteed.





Electrical box

For simple systems, our electrical box with the TopTronic® E controller provides the basic equipment for integrating with Hoval products to create efficient heating systems. By using location-specific forecasts for outdoor temperature and sunlight, energy savings of up to 12 % can be achieved while also increasing comfort at the same time.

In cascades, a single ControlBox is sufficient to fulfil the requirements of different systems and customers. Installation time and space requirements are significantly reduced.



ControlBox

The ControlBox also enables customised adaptation to specific customer wishes and requirements. Each ControlBox is an individually planned control panel and ensures efficient electrical distribution to all units. Hoval offers a well thought-out service from day one and provides all the documentation needed for the smooth connection of the ControlBox in a complete package. In addition, the control technology of the ControlBox reliably fulfils the current EN standards (EN 61439 parts 1 and 2).

From remote access to project management

Nothing is impossible.





HovalSupervisor cloud

With the professional HovalSupervisor cloud control system, not only your heat generator but also your entire system can be conveniently accessed remotely at any time and from anywhere. Whether PC or tablet – a browser is all you need to keep an eye on your systems at all times. With everything that goes with it – heat generator, buffer storage tank, water heating, heating circuits or comfort ventilation. If required, a wide range of external data sources and third-party systems can also be visualised and operated via a variety of interfaces.

Customised functions and services

HovalSupervisor cloud also helps you to avoid unnecessary standby costs and ensure maximum operational reliability thanks to alarm management that can be customised precisely to your needs. Thanks to extensive data recording options, you can carry out effective optimisations on your systems independently and thus save energy costs. A convenient reporting system also helps you with this, providing you with regular information on the efficiency and status of your system without wasting time.

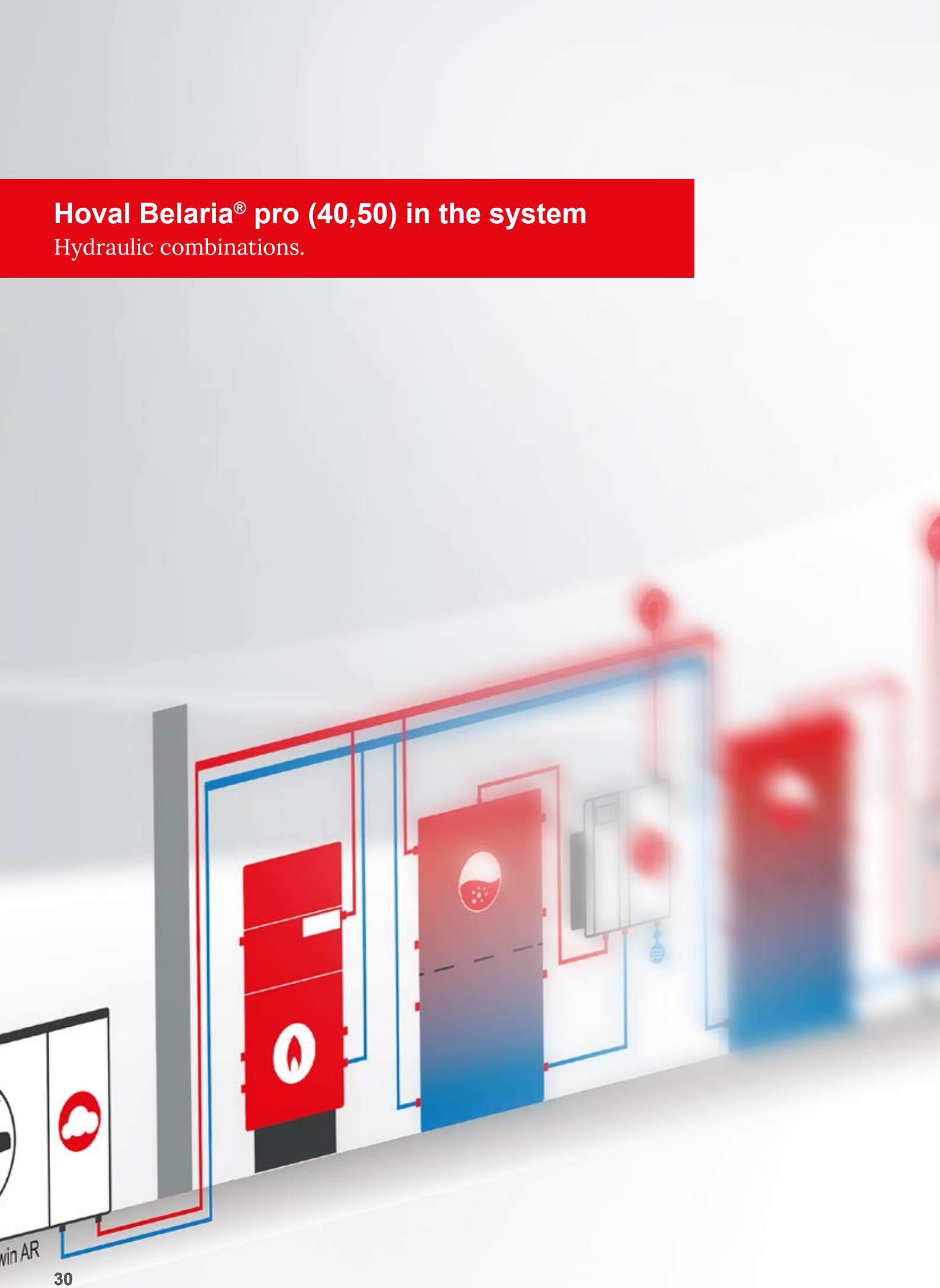


Customer project management (CPM)

Whether a residential complex, commercial property or hotel – with customer project management (CPM), Hoval supports investors, planners and installers in complex construction projects. The targeted coordination of the trades involved ensures that the project runs smoothly and the installation process is organised efficiently. Hoval creates integrated HVAC solutions in which heating, cooling and ventilation are combined to form a powerful overall system and all the necessary interfaces are optimally harmonised. Thanks to clearly defined responsibilities, partner installers can concentrate fully on their core business. The comprehensive documentation of all HVAC components – from the control equipment to the hydraulic and electrical distribution – simplifies installation, shortens commissioning and minimises potential sources of faults.

Hoval Belaria® pro (40,50) in the system

Hydraulic combinations.



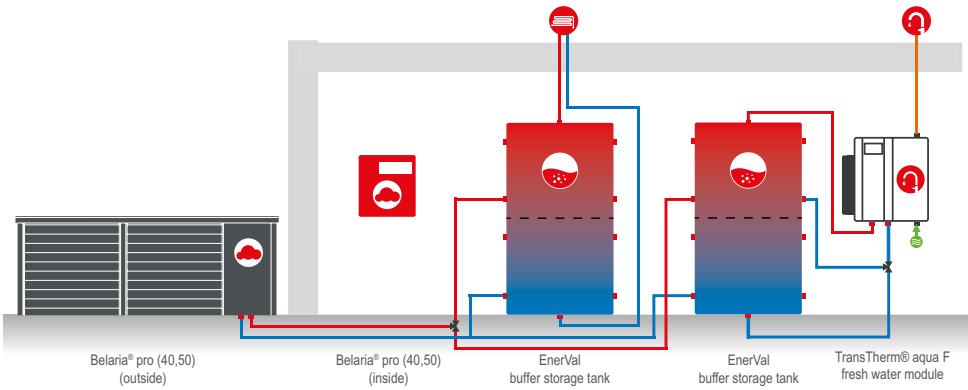
Hoval Belaria® pro (40,50)

The beating heart of a perfect system.

The Belaria® pro (40,50) is the reliable beating heart of a futureproof heating and cooling solution for multiple dwelling units, commerce and industry. Hoval can of course also provide the perfect accompanying components to complete the system: from domestic water heating and heat distribution, the appropriate heat pump/cold storage units and regulation through to the control system. This last component visualises the operating state of the system and allows it to be monitored and controlled from any location. It is an ideal solution for housing companies and for efficient facility management.

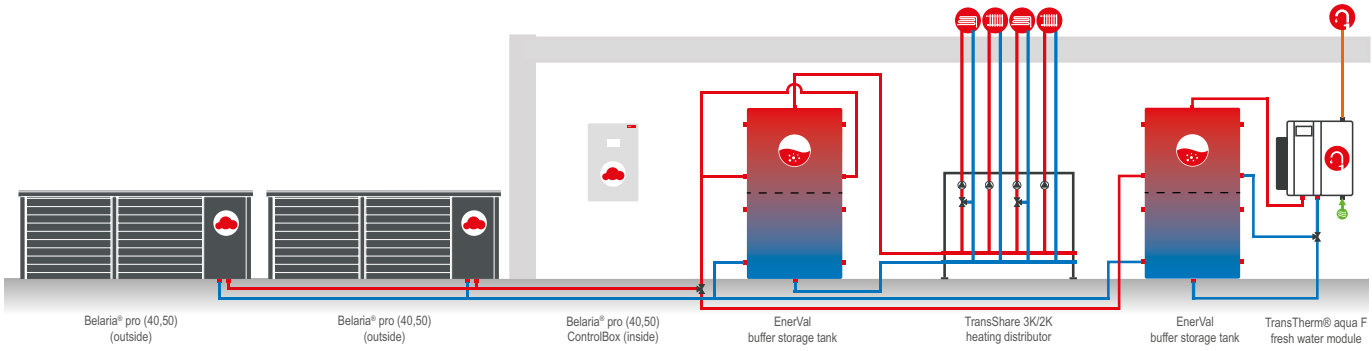
A straightforward and compact system for multiple dwelling units (refurbishment and new building)

The Belaria® pro heats the rooms exactly as is needed using radiators or underfloor heating, and provides hot water. The water is stored in the adjacent storage tank until it is needed. The system is easy to operate using the TopTronic® E system controller's room control unit and a smartphone with the HovalConnect app.



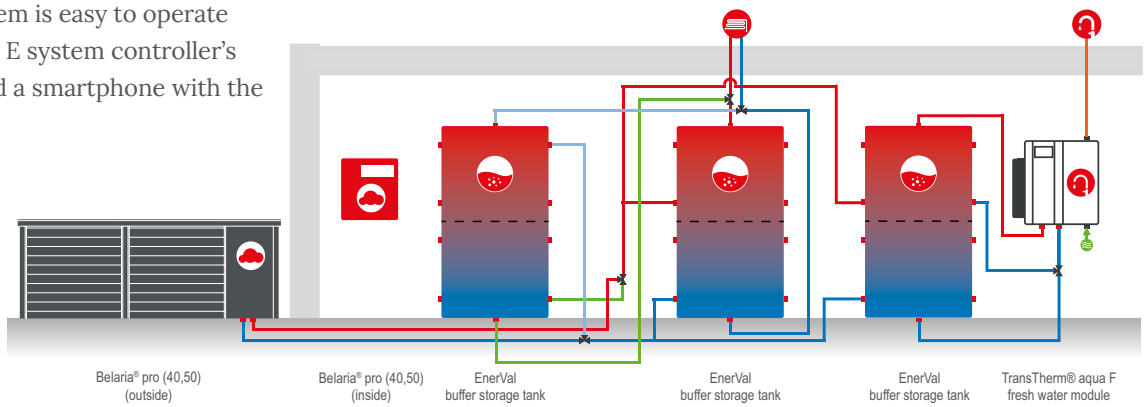
Flexible system for heating relatively large multiple dwelling units (refurbishment and new building)

The Belaria® pro operates in a cascade providing heat for relatively large multiple dwelling units. The heat pump cascade heats the rooms in the refurbished or newly built building exactly as is needed using radiators or underfloor heating, and provides hot water. The water is stored in the adjacent storage tank until it is needed. The system is easy to operate using the TopTronic® E system controller's room control unit and a smartphone with the HovalConnect app.



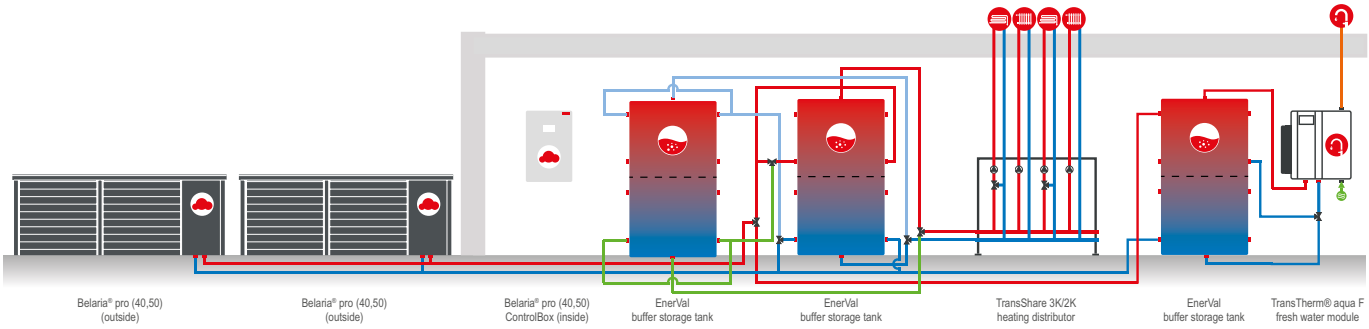
Space-saving solution for heating and cooling multiple dwelling units

The Belaria® pro provides heating and cooling energy. This heat is buffered in the external storage tank (e.g. EnerVal) until is it radiated into the living space via the underfloor heating or the radiators. In summer, the heat pump controls the room temperature via the underfloor heating. The domestic hot water is also provided by the Belaria® pro and is kept in the external storage tank (e.g. EnerVal) until it is needed. The system is easy to operate using the TopTronic® E system controller's room control unit and a smartphone with the HovalConnect app.



Flexible system for heating and cooling relatively large multiple dwelling units

The Belaria® pro operates in a cascade providing heating and cooling energy for relatively large multiple dwelling units. The heat pump cascade heats the rooms in the refurbished or newly built building exactly as is needed using radiators or underfloor heating, and provides hot water. The water is stored in the adjacent storage tank until it is needed. The system is easy to operate using the TopTronic® E system controller's room control unit and a smartphone with the HovalConnect app.



Planning as a guarantee of success

Pay attention to these issues.



Easy to plan and implement.

With its natural refrigerant, high temperature and quiet operation, the Belaria® pro (40,50) fulfils all criteria for multiple dwelling units, commerce and industry. This removes the need for laborious workarounds. The completely preassembled unit, which is ready to be connected, is extremely easy to install. Hoval's experienced service team is always on hand to provide advice and practical support with design, installation, commissioning and optimisation.

Checklists

for planning and engineering.

Comprehensive planning is a prerequisite for the safe and reliable operation of a plant and thus for satisfied customers. Country-specific standards, guidelines and instructions for planning, design and installation must be observed. A checklist helps to ensure that nothing is forgotten. Detailed notes are listed in the catalogue.

Requirements and directives

- General
- Environment
- Electrical connection
- Planning and design

Design

- Heat for heating / domestic hot water
- Cooling
- Performance data

Heat source

- Air

Buffer storage tank

Electrical data

- Design
- Approval
- Off-periods by power companies

Water quality

- Heating water
- Replacement water

Connections

- Hydraulic – heating
- Hydraulic – domestic water
- Electrical
- Cooling

Installation

- General
- Outdoors (refrigerant)
- Indoors
- Sound emissions
- Distance (indoor and outdoor unit)

Hoval quality.
You can count on us.

Hoval

Hoval is one of the leading international companies for heating and indoor climate solutions. Drawing on more than 80 years of experience and benefiting from a close-knit team culture, the Hoval Group delivers exciting solutions and develops technically superior products. This leadership role requires a sense of responsibility for energy and the environment, which is expressed in an intelligent combination of different heating technologies and customised indoor climate solutions.

Hoval also provides personal consultations and comprehensive customer service. With around 2500 employees in 15 companies around the world, Hoval sees itself not as a conglomerate, but as a large family that thinks and acts globally.
Hoval heating and indoor climate solutions are currently exported to more than 50 countries.

Responsibility for energy and environment

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