

# Hoval

## Hoval Belaria® pro (8 - 15)

The heat pump that looks to the future.

Versatile | Quiet | Easy to install



Hoval | Responsibility for energy and environment



## The monoblock heat pump from Hoval Another step towards the future.

The best results come from working together. The buzz of a bee is something we hear less and less frequently nowadays, and the decline of these creatures is forcing scientists to come up with alternative ways of pollinating plants. In the future, little electronic versions could be added to a swarm of bees, where they could help their natural counterparts with their work. It is only an idea as yet. But generally speaking,

technology and nature are set to complement one another to a much greater extent over the coming years. With its new Belaria® pro air/water heat pump, Hoval is taking another pioneering step in the right direction to protect the environment. Although this should not be surprising, since it is fully in line with Hoval's guiding principle: responsibility for energy and environment.









## Hoval Belaria® pro comfort (8 - 15) / compact (8, 13)

### Heat from the air – almost silently.

Air is an inexhaustible energy source. It is free and available everywhere in unlimited quantities. An air/water heat pump heats highly efficiently and reliably using this ambient air using auxiliary energy (electricity). And by making use of green energy or solar power – perhaps even from your own photovoltaic system – you will be able to generate heat even more sustainably.

#### Added value for your benefit:


- Versatile in use
- Quiet and economical
- Easy to install due to monoblock design.
- Integrated cooling function
- Power adjustment (modulation)

#### Belaria® pro compact (8/100/300), (13/100/300) Belaria® pro comfort (8, 13, 15)



 CleverCool inside

 EnergyManager PV smart

 Natural refrigerant



A pioneering air/water heat pump in a monoblock design that not only heats and provides domestic hot water, but also cools in the summer. It obtains heat from the ambient air and is available in two versions: comfort and compact.

Suitable for properties housing one or two families – new buildings and renovations.







### Versatile in use

Installed outdoors, there will always be a perfect place for the Belaria® pro. Since it runs with a natural refrigerant, it meets the legislation of tomorrow – today. The Belaria® pro saves space inside the home. The comfort version is mounted on the wall. The compact version is a floor-mounted device that contains one storage tank for domestic water and one for heating water. Both are controlled by the TopTronic® E. The built-in CleverCool function means the heat pump can even cool rooms during the summer. Due to its flow temperature of up to 70 °C, the Belaria® pro is ideal for renovation projects. The existing radiators can thus continue to be used.

Both comfort and compact versions can be integrated into an existing heating system incredibly well. With the HovalConnect package of extras, the heat pump can be connected to the internet and controlled via a smartphone or computer.

### Quiet and economical

Practically no noise is generated inside the home, as all of the steps required for the Belaria® pro to produce heat are carried out in the outdoor unit. The large fan installed in the outdoor unit conveys more air, i.e. more energy,

almost silently. The infinitely variable adjustment of output to demand, known as modulation, also ensures quiet operation. This function, combined with high-quality components and the TopTronic® E controller, is responsible for the product achieving high levels of efficiency throughout the year. The controller is connected to the internet, so is able to optimise heating and cooling according to the weather forecast.

The EnergyManager PV smart also helps you save money. By using this standard, free feature together with HovalConnect, you will use more power generated by your own photovoltaic system and therefore consume less from the public grid.

### Easy to install due to monoblock design

Both the indoor and outdoor units of the Belaria® pro come ready for connection. The two are connected by a line containing the domestic hot water that has been heated up. Compact dimensions make transport easy. The standardised TopTronic® E controller means virtually any combination of Hoval products can be turned into systems in no time.



# Hoval Belaria® pro comfort

Precise comfort on request.



Selection options



available for domestic water storage tank



Belaria® pro comfort (8,13,15)



CleverCool inside



EnergyManager PV smart

## Flexible storage tank selection.

The wall-mounted indoor unit of the Belaria® pro comfort is prepared for producing hot water. In this way, it can be combined quickly and flexibly with a storage tank for heating water and domestic water. Activate the built-in thermal disinfection function and legionella bacteria don't stand a chance.

The capacity and material of the storage tank can be chosen to meet the user's specific needs in terms of comfort and available space. Hoval offers a wide range of possibilities.



# Hoval Belaria® pro compact

Two storage tanks built in – quick to install.



Belaria® pro compact (8, 13/100/300)



EnergyManager PV smart



Built-in 300 l domestic water storage tank



Built-in 100 l heating water storage tank



CleverCool inside

## Space-saving and quick to install.

Together with an enamelled storage tank for domestic water and one for heating water, the Belaria® pro compact forms a functional and compact unit. Since all the connections are also located on the top, installation is complete in no time. This unit requires minimal space. Activate the built-in thermal disinfection function and legionella bacteria don't stand a chance.

One huge benefit is that the heating water storage tank makes the heat pump run more uniformly and, as such, more economically and dependably. And if the cooling function is active, the storage tank uses the water for cooling instead.





# Hoval Belaria® pro comfort (8 - 15)

## Technology and system.



Hoval Belaria® pro comfort		(8)	(13)	(15)
Room heating energy efficiency «moderate climate» 35 °C	ηS	207	203	221
Room heating energy efficiency «moderate climate» 55 °C	ηS	154	154	162
Energy efficiency class heating 35 °C		A+++	A+++	A+++
Min. - max. heat output for A2W35 (EN 14511)	kW	2.1 - 8.3	4.1 - 11.8	6.0 - 14.5
Min. - max. heat output for A-7W35 (EN 14511)	kW	2.0 - 8.3	4.0 - 10.3	6.0 - 13.3
Min. - max. cooling capacity for A35W18 (EN 14511)	kW	3.1 - 10.2	5.1 - 14.0	6.1 - 16.6
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	5.3 / 3.9	5.2 / 4.0	5.6 / 4.1
Flow temperature	°C	70	70	70
Refrigerant		R290	R290	R290
Dimensions of outdoor unit (height x width x depth)	mm	954 x 1575 x 791	954 x 1575 x 791	1432 x 1575 x 791
Dimensions of indoor unit (height x width x depth)	mm	1005 x 550 x 280	1005 x 550 x 280	1005 x 550 x 280
Outdoor unit sound power level (EN 12102)	dB(A)	46	51	50

### Effective in a system

Hoval supplies all components for an efficient heating and room air system.

The Hoval TopTronic® E system controller combines all components into an efficient overall system.

This solution ensures you are provided with standardised operation and matching components.



**Hoval  
heat generators**



**Hoval  
solar plants**



**Hoval  
storage tanks**



**Hoval  
comfort ventilation**



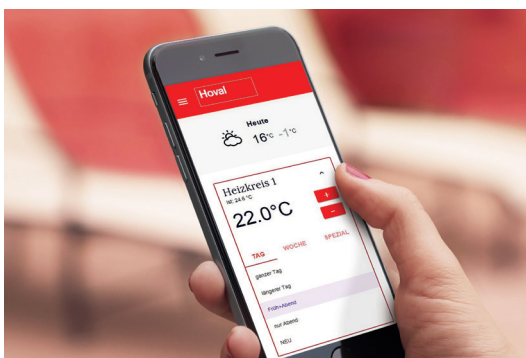


<b>Hoval Belaria® pro compact</b>		<b>(8/100/300)</b>	<b>(13/100/300)</b>
Room heating energy efficiency «moderate climate» 35 °C	ηS	207	203
Room heating energy efficiency «moderate climate» 55 °C	ηS	154	154
Energy efficiency class heating 35 °C		A+++	A+++
Min. - max. heat output for A2W35 (EN 14511)	kW	2.1 - 8.3	4.1 - 11.8
Min. - max. heat output for A-7W35 (EN 14511)	kW	2.0 - 8.3	4.0 - 10.3
Min. - max. cooling capacity for A35W18 (EN 14511)	kW	3.1 - 10.2	5.1 - 14.0
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	5.3 / 3.9	5.2 / 4.0
Flow temperature	°C	70	70
Refrigerant		R290	R290
Dimensions of outdoor unit (height x width x depth)	mm	954 x 1575 x 791	954 x 1575 x 791
Dimensions of indoor unit (height x width x depth)	mm	1930 x 790 x 790	1930 x 790 x 790
Outdoor unit sound power level (EN 12102)	dB(A)	46	51
Storage tank capacity (hot water storage tank)	litre	295	295
Output capacity at 40 °C and storage tank temperature at 60 °C	litre	570	570
Output capacity at 46 °C and storage tank temperature at 60 °C	litre	469	469
Storage tank capacity (heating water storage tank)	litre	93	93



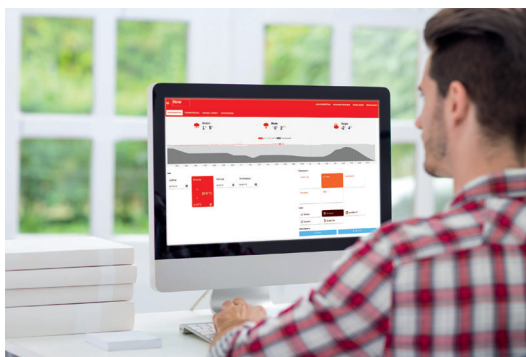


## Hoval TopTronic® E as little control as necessary.



### Straightforward

One control system for everything. You do not need to worry about a thing. Once set up, the TopTronic® E system controller automatically provides the right temperature in your rooms, hot water and even a pleasant supply of fresh air.



### Convenient

Operate your Hoval system from anywhere. The HovalConnect online service allows you to operate your system via the Internet from home or via an app when you are on the go. The app lets you adjust temperatures, select the programmes you want or switch your system from holiday mode. It even takes into account the weather forecast, preventing rooms from overheating and saving on expensive heating energy.

### Informative

The room control module's large display enables you to view information ranging from the most important system data down to the weather forecast. The HovalConnect dashboard also lets you check your system's output and consumption data. And no matter which unit you're using, the heating system automatically reports when service is required or faults occur.

#### Hoval TopTronic® E

is the uniform system controller for Hoval heat generators and comfort ventilation as well as other components such as solar plants or calorifiers. It connects the individual components and ensures that they interact in the most energy-efficient manner. All the connected components can be adjusted using the same control module. HovalConnect enables the Hoval TopTronic® E control system to be accessed via a browser or a smartphone app.



# We are there for you And we have been for generations.



### Consulting and design

Whether you're looking for a heating, cooling or ventilation solution, for a new building or a renovation project, Hoval is here to give you expert advice. Do you design, install or operate systems? Or are you an investor? Then we speak your language. Experienced Hoval consultants gain an in-depth understanding of your requirements and suggest appropriate solutions on that basis.

### Service expertise

Do you need to have a system commissioned or serviced? Hoval customer service technicians are here to help. Regular maintenance will give your system a longer service life. Your investment will maintain its value over many years and operation will remain as economical as possible.



**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 75 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 2200 employees in 16 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

Your Hoval partner

### Germany

Hoval GmbH  
85609 Aschheim-Dornach  
hoval.de

### Austria

Hoval Gesellschaft m.b.H.  
4614 Marchtrenk  
hoval.at

### Switzerland

Hoval AG  
8706 Feldmeilen  
hoval.ch

2023 - 03 | Subject to modifications | .....

