

Hoval

Hoval UltraSource®

The new generation of efficient
heat pumps.

Compact | Quiet | Modern



Hoval | Responsibility for energy and environment

Source

Inspired by nature.

Straight from nature – air, soil and water.

Nature is a source of relaxation; a place to get away from it all. And for Hoval's engineers, it has been a source of inspiration too. Air, soil and water provide sources of energy for heat pumps – and Hoval's aim was to combine them

with its technology to develop its newest generation of heat pumps. The result is something quieter and more efficient than ever before. Effective climate protection, cosy warmth and outstanding cost-effectiveness have a new name: UltraSource®.



Hoval UltraSource® B

Save money by using energy from the air.

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 and power. And by making use of green energy or solar power – perhaps even from your own photovoltaic system – you will be able to generate heat sustainably.

Added value for your benefit:

- Compact design
- Quiet in operation
- Modern design
- Highest efficiency
- Power adjustment (modulation)



Air/water heat pump in split design with indoor and outdoor unit, especially suitable for single-family homes. The UltraSource® B heats, provides hot water and cools in summer. A hot water storage tank is also integrated into the compact version.

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



UltraSource® B
comfort C (8,11,17)



CleverCool inside



EnergyManager PV smart

UltraSource® B
compact C (8,11/200)



Integrated tank for hot water,
200 l capacity



CleverCool inside



EnergyManager PV smart



Slim design saves space

The UltraSource® requires very little space for installation in the home. The distribution of components between the indoor and outdoor units saves additional space inside the house. If the hot water tank is also installed in the indoor unit, this frees up even more space as an external DHW storage tank is no longer required. The UltraSource® is so quiet that it can even be placed in a spare room if there is no space in your boiler room.

Dimensions and design lead to less noise

Sophisticated engineering solutions in the areas of output adjustment, night operation, mounting for optimised acoustic properties and encapsulation ensure quiet operation and undisturbed sleep. The size of the evaporator and fan in the outdoor unit has been increased, allowing more

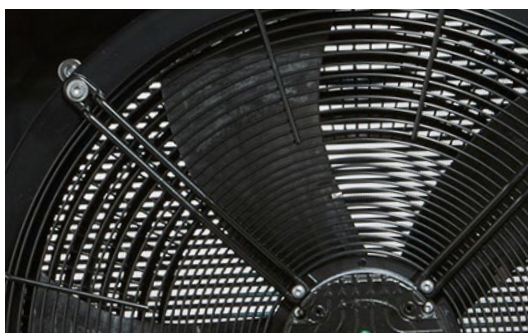
air (and therefore more energy) to be transported – but with lower noise levels.

State-of-the-art design for indoor and outdoor units

The front of the indoor unit is made out of premium metal. Its design elements make it appear even slimmer. With its slatted elements, the design of the outdoor unit looks just like part of a facade or modern garden furniture. The ridge that air/water heat pumps need to protect their air inlet against things like snow is already integrated and hidden elegantly behind the cladding.

Saves money by maximising efficiency

The adjustment of output to demand, known as modulation, ensures the best efficiency values over the year. The optimum design and use of premium, energy-saving components help to save extra energy costs.



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



Hoval UltraSource® B

Technical data.



Hoval UltraSource® B comfort C		(8)	(11)	(17)
Energy efficiency class heating 35 °C		A+++	A+++	A+++
Room heating energy efficiency «moderate climate» 35 °C	ηS	202	176	206
Room heating energy efficiency «moderate climate» 55 °C	ηS	146	135	152
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	5,1 / 3,7	4,5 / 3,4	5,2 / 3,9
Min. - max. heat output for A2W35 (EN 14511)	kW	2,1 - 7,6	2,8 - 10,2	6,0 - 17,4
Min. - max. heat output for A-7W35 (EN 14511)	kW	2,0 - 6,0	2,8 - 10,0	6,0 - 14,8
Min. - max. cooling capacity for A35W18 (EN 14511)	kW	2,9 - 8,9	3,5 - 11,0	6,2 - 17,7
Max. flow temperature (without/with screw-in electric heating element)	°C	62/65	62/65	62/65
Refrigerant		R410A	R410A	R410A
Dimensions of outdoor unit (height x width x depth)	mm	1200 x 1090 x 745	1200 x 1090 x 745	1546 x 1090 x 745
Dimensions of indoor unit (height x width x depth)	mm	1253 x 620 x 760	1253 x 620 x 760	1253 x 620 x 760
Outdoor unit sound power level (EN 12102)	dB(A)	46	50	57



Hoval UltraSource® B compact C		(8/200)	(11/200)
Energy efficiency class heating 35 °C		A+++	A+++
Room heating energy efficiency «moderate climate» 35 °C	ηS	202	176
Room heating energy efficiency «moderate climate» 55 °C	ηS	146	135
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	5,1 / 3,7	4,5 / 3,4
Min. - max. heat output for A2W35 (EN 14511)	kW	2,1 - 7,6	2,8 - 10,2
Min. - max. heat output for A-7W35 (EN 14511)	kW	2,0 - 6,0	2,8 - 10,0
Min. - max. cooling capacity for A35W18 (EN 14511)	kW	2,9 - 8,9	3,5 - 11,0
Max. flow temperature (without/with screw-in electric heating element)	°C	62/65	62/65
Refrigerant		R410A	R410A
Dimensions of outdoor unit (height x width x depth)	mm	1200 x 1090 x 745	1200 x 1090 x 745
Dimensions of indoor unit (height x width x depth)	mm	1950 x 602 x 770	1950 x 602 x 770
Outdoor unit sound power level (EN 12102)	dB(A)	46	50
Storage tank capacity (hot water storage tank)	litre	192	192
Output capacity at 40 °C and storage tank temperature at 58 °C	litre	315	315
Output capacity at 46 °C and storage tank temperature at 58 °C	litre	260	260

Hoval UltraSource® T

Save money by using energy from the soil and from water.

In the ground, constant temperatures prevail all year round, even at depths of just a few metres. By means of this energy stored in the ground, a heat pump heats highly efficiently and reliably using electrical current. And by making use of green energy or solar power – perhaps even from your own photovoltaic system – you will be able to generate heat sustainably.

Added value for your benefit:

- Compact design
- Quiet in operation
- Modern design
- Highest efficiency
- Power adjustment (modulation)



Brine/water or water/water heat pump for installation inside the house, especially suitable for single-family homes. The UltraSource® T heats and provides hot water. A hot water storage tank is also integrated into the compact version. The CleverCool cooling function is available as an option on request.

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



UltraSource® T comfort (8,13,17)



CleverCool optional



EnergyManager PV smart

UltraSource® T compact (8,13/200)



Integrated tank for hot water,
200 l capacity



CleverCool optional



EnergyManager PV smart



Modern design

The UltraSource® requires very little space in the home. The front of the indoor unit is made out of premium metal. Its design elements make it appear even slimmer. If the hot water tank is also installed, this frees up even more space as an external DHW storage tank is no longer required. The UltraSource® is so quiet that it can even be placed in a spare room if there is no space in your boiler room.

Design for less noise

Sophisticated engineering solutions in the areas of output adjustment, night operation, mounting for optimised acoustic properties and encapsulation ensure quiet operation and undisturbed sleep.

Saves money by maximising efficiency

The adjustment of output to demand, known as modulation, ensures the best efficiency values over the year. The optimum design and use of premium, energy-saving components help to save extra energy costs.

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



Hoval UltraSource® T

Technical data.



Hoval UltraSource® T comfort		(8)	(13)	(17)
Energy efficiency class heating 35 °C		A+++	A+++	A+++
Brine/water B0W35				
Room heating energy efficiency «moderate climate» 35 °C	ηS	209	213	226
Room heating energy efficiency «moderate climate» 55 °C	ηS	158	162	164
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	5,4 / 4,2	5,5 / 4,2	5,9 / 4,3
Min. - max. heat output (EN 14511)	kW	1,8 - 7,9	2,9 - 13,3	4,3 - 17,6
Water/water W10W35				
Room heating energy efficiency «moderate climate» 35 °C	ηS	309	313	311
Room heating energy efficiency «moderate climate» 55 °C	ηS	245	217	226
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	7,9 / 6,3	8,0 / 5,6	8,0 / 5,9
Min. - max. heat output (EN 14511)	kW	2,6 - 10,0	3,7 - 13,2	6,0 - 21,9
Max. flow temperature (without/with screw-in electric heating element)	°C	62 / 65	63 / 65	62 / -
Refrigerant		R410A	R410A	R410A
Dimensions of indoor unit (height x width x depth)	mm	1253 x 620 x 760	1253 x 620 x 760	1253 x 620 x 760
Sound power level (nominal)	dB(A)	45	41	44



Hoval UltraSource® T compact		(8/200)	(13/200)
Energy efficiency class heating 35 °C		A+++	A+++
Brine/water B0W35			
Room heating energy efficiency «moderate climate» 35 °C	ηS	209	213
Room heating energy efficiency «moderate climate» 55 °C	ηS	158	162
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	5,4 / 4,2	5,5 / 4,2
Min. - max. heat output (EN 14511)	kW	1,8 - 7,9	2,9 - 13,3
Water/water W10W35			
Room heating energy efficiency «moderate climate» 35 °C	ηS	309	313
Room heating energy efficiency «moderate climate» 55 °C	ηS	245	217
Seasonal coefficient of performance «moderate climate» at 35 °C/55 °C (EN 14825)	SCOP	7,9 / 6,3	8,0 / 5,6
Min. - max. heat output (EN 14511)	kW	2,6 - 10,0	3,7 - 13,2
Max. flow temperature (without/with screw-in electric heating element)	°C	62 / 65	63 / 65
Refrigerant		R410A	R410A
Dimensions of indoor unit (height x width x depth)	mm	1950 x 602 x 770	1950 x 602 x 770
Sound power level (nominal)	dB(A)	45	41
Storage tank capacity (hot water storage tank)	litre	192	192
Output capacity at 40 °C and storage tank temperature at 58 °C	litre	315	315
Output capacity at 46 °C and storage tank temperature at 58 °C	litre	260	260

Hoval UltraSource® B and T

Standout features in every version.

Corner installatio

The connections have been positioned so that the heat pump can be placed in the corner to save space. The compact design can be positioned in the left corner and the comfort design in the left or right corner.



Integration

The UltraSource® also requires very little effort during transportation. If space is really at a premium, the compact version with an integrated hot water tank can even be divided up very easily.

Hot water system integration

The system for generating hot water comes integrated into the compact version. Thanks to the thermal disinfection function, legionella bacteria don't stand a chance. There's no need to install a separate tank. The comfort version also comes prepared for a system that provides hot water, allowing it to be connected more quickly.



Cooling provided by CleverCool

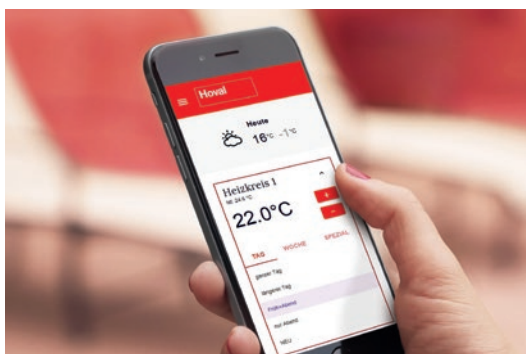
In summer, the heat pump can cool your rooms, creating a pleasant indoor climate. The best thing about this? The function comes installed in the air/water version. And it can be ordered as an option for the UltraSource® T





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 with the HovalConnect online service. The app lets you adjust temperatures, select the programmes you want or switch your system from holiday mode. HovalConnect 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. The HovalConnect online service enables the Hoval TopTronic® E control system to be accessed via a browser or a smartphone app.

Hoval UltraSource®

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.



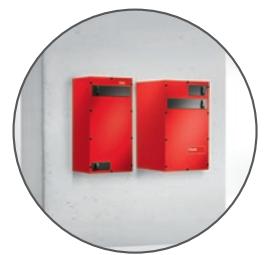
**Hoval
heat generators**



**Hoval
solar plant**



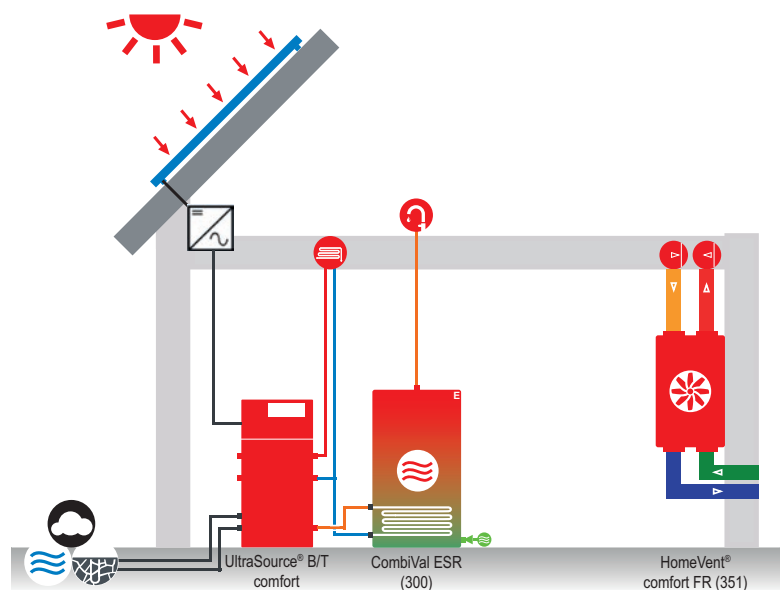
**Hoval
storage tanks**



**Hoval
comfort ventilation**

Featuring photovoltaics and comfort ventilation: Solution for saving even more energy

The UltraSource® compact heats rooms exactly as is needed using underfloor heating, and heats the service water that is stored in the CombiVal. The photovoltaic modules provide the majority of the electrical energy required by the UltraSource®. The TopTronic® E system controller's room control unit is also used for operating not only the heating, but also the HomeVent® comfort ventilation. It conveys fresh air into the rooms and recovers both heat and humidity from the extract air. The system can also be operated using a smartphone with the HovalConnect 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

As a specialist in heating and climate technology, Hoval is your experienced partner for system solutions. For example, you can heat water with the sun's energy and your rooms with oil, gas, wood or a heat pump. Hoval ties together the various technologies and also integrates room ventilation into the system. So you can save energy while looking after the environment and your costs – and still enjoy the same level of comfort.

Hoval is one of the leading international companies for indoor climate solutions. More than 75 years of experience continuously motivate us to design innovative system solutions. We manufacture complete systems for heating, cooling and ventilation to more than 50 countries.

We take our responsibility for the environment seriously. Energy efficiency is at the heart of the heating and ventilation systems we design and develop.

Responsibility for energy and environment

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Your Hoval partner