

7 kW . 10 kW . 15 kW . 18 kW

HELIO THERM
The Heat Pump



Air Compact Heat Pump “Comfort Compact R290”



Maximum performance, minimum environmental impact:

The Compact Air R290

Heating consciously & naturally.



Your Way to **Independence**

An optimum heating system begins with

Heliotherm Heat Pumps



- 1 CC Air Heat Pump R290
- 2 Remote control
- 3 Fresh hot water system

Powerful, quiet, & sustainable! A green heat supply for your home.

Our fully modulating Comfort Compact Air R290 Heat Pump dovetails the environmentally friendly working fluid to an ideal and efficient heating solution for the single- and multi-family home. The direct system uses the free ambient air energy, ensuring warmth for your living comfort all year round, by heating in winter and cooling in summer. Experience longevity and weather resistance in its finest form: the aesthetic featured technology in Heliotherm heat pump products is consists of high-quality materials. Each heat pump is expertly processed, assuring a long service life, encased by a weather resistant aesthetic design, truly a reliable solution for the future.

Natural and eco-friendly refrigerant!

Propane is a natural refrigerant that is free of fluorocarbons (HFCs) and therefore does not contribute to the depletion of the earth's ozone layer. It significantly contributes to lessen the greenhouse effect, than conventional refrigerants. The use of this natural refrigerant in heat pumps sees high performance levels, safety and reliability. Innovative sensor technology continuously monitors the refrigeration circuit, to detect a problem and maximize operational safety.

The integrated active cooling feature allows full control of your heating system. Enhanced with the flexible combination of photovoltaic systems, various storage and heat distribution systems. Our R290 Comfort Compact Air Heat Pump impresses with its stepless, fully automatic performance control for particularly high seasonal performance. The operating sound remains exceptionally low through the owl-wing silent-effect fan technology and sound optimized case construction. The CC R290 further contributes to the transition of decarbonisation of home heating.



The Comfort Compact Air Heat Pump R290

Convincing features:

SCOP*

An exceeding high SCOP (seasonal performance factor) of 5.7, places this device eligible for maximum subsidy funding.

TECHNICAL FEATURES

- Heat outlet temperatures of up to 72 °C possible
- Available in heat outputs of 7 kW, 10 kW, 15 kW and 18kW
- Propane is an environmentally friendly refrigerant with no global warming potential
- Optimal tempered rooms all year round due to integrated active cooling
- Durable and weather-resistant, built with high-quality materials such as aluminum and safety glass

BEST SUITABLE FOR

- Single-family homes
- Multi-family buildings

OPTIONAL

- Single-phase 230 V version

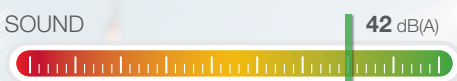


BEST PERFORMANCE

EFFICIENCY



SOUND



*SCOP (Seasonal Coefficient of Performance) = The annual heat output ratio in kW, for the required electrical drive energy given in kWh.

Intelligent Heat Pump Control

Heating, Hot Water and Photovoltaic

The “**webcontrolAT**” is a resourceful and innovative heat pump control solution, easy to use and convenient to regulate room temperatures; also for cooling and hot water preparation at any time. You stay in full control - whether at home or on the go - while maximizing the heat pump's energy efficiency. Any error notifications are immediately sent via SMS or email, keeping you updated at all times.

Our system offers:

- Comprehensive control of your heat pump system
- Convenient browser-based operation
- No app and no software download required
- Compatibility with Modbus, KNX, PV Synchro, DI and Smart Grid
- Highest security standard due to VPN encryption
- Data security through local storage
- Live and long-term data can be accessed from any device using any browser, regardless of location



Hygienic

Domestic Hot Water Prep

Immerse yourself in the world of comfortable and **hygiene pure hot water** - a reality with the innovative **Heliotherm Fresh Hot Water System**. Enjoy prompt domestic hot water for your entire household. The system is seamless, integrated into the Heliotherm heat pump heating buffer storage and works like a modern instantaneous water heater. While the counter-current flow protects against any Legionella growth and build-up. A simple turn of the tap is enough to prompt the flow of cold drinking water through the fresh water system, bringing the water to the desired temperature in a minutes time. The maintenance-free hot water preparation works without additional electrical heating, protects the heat pump and guarantees a long service life.

Advantages:

- Prevents germs or Legionella growth in drinking water
- Lower energy demand (no constant heating up the storage contents)
- Rapid heating to the recommended 48 °C, prevents water lime flocculate
- Photovoltaic connection possible
- Storage sizes: 300, 500, 850 and 1,500 liters





Your Reliable Choice for First-Class Heat Pumps

Heliotherm is a leading heat pump manufacturer in Europe. The company was founded in 1987 by managing director Andreas Bangheri, the headquarters is based in Langkampfen since 2007, in the Austrian state of Tyrol. Alongside the company's substructure, is the unique research and development center, with its own endurance test bench and climate chamber. The "Made in Austria" product quality label is achieved and continuously setting new standards.

The highly effective heat pump systems use the free stored energy in Nature such as the ambient air, water and ground for **heating, cooling and domestic hot water preparation**. The Heliotherm patented technology, result in high efficiency performance installations, hence the system is entitled to **maximum funding**.

Now is the right time to switch to a sustainable energy heat pump solution. Counteracting the rising trend of high heating operating costs, high oil prices and general climate change. Heliotherm is an innovative heat pump pioneer, thus it stands in the company of more than 60,000 satisfied customers across Europe.

Together, On The Path To Independence!



WHERE CAN I GET A HELIO THERM HEAT PUMP?

Our heat pumps are available to you through our specialized trained and experienced Installer Partners.

Meaning: **competent professional consultation and efficient installation, professional system commissioning and first-class service** are guaranteed. We want you to experience the full advantages of our heat pump technology from day one. Find now, a Heliotherm Competence Partner in your area.

www.heliotherm.com

STATE GRANTS & SUBSIDIES FOR YOUR HEAT PUMP!

Inquire about **your local state grants and subsidies** for new heat pump installations and for renovation projects. Depending on the energy supplier, place of residence in individual federal states/provinces, the funding conditions and the available funding may vary. Your Heliotherm Competence Partner will be glad to advise you on available state funding opportunities.



Comfort Compact R290 Heat Pump			SNT07L-M-R-CC	SNT10L-M-R-CC	SNT15L-M-R-CC	SNT18L-M-R-CC
Heat output range EN14825		kW	2,6 - 7,0	3,5 - 10,8	5,3 - 15,9	6,3 - 18,5
A12/W24	Heat output	kW	3,2	5,0	7,5	8,5
	COP	COP	9,5	9,5	9,5	9,5
A7/W27	Heat output	kW	2,6	3,5	5,3	6,3
	COP	COP	7,4	7,3	7,4	7,3
A2/W30	Heat output	kW	3,8	5,4	8,1	9,7
	COP	COP	5,6	5,5	5,6	5,6
A-7/W34	Heat output	kW	6,1	8,8	13,2	15,8
	COP	COP	3,5	3,5	3,5	3,5
A-10/W35	A-10/W35 Heat output	kW	6,9	10,1	14,9	17,8
	COP	COP	3,1	3,1	3,1	3,2
SCOP* EN14825 climate zone medium			5,7	5,6	5,7	5,7
Energy efficiency class (35°)			A+++	A+++	A+++	A+++
Acoustic power acc. EN12102		dB(A) 4	44	44	47	49
Refrigerant			R290	R290	R290	R290
GWP-Value			3	3	3	3
Max. heat outlet temperature		°C	72	72	72	72
Electric power heating backup		kW	6	6	6	6
Dimensions (H x W x D)		mm	1.704 x 896 x 585	1.704 x 896 x 585	1.702 x 935 x 1.002	1.702 x 935 x 1.002
Total empty weight		kg	220	230	260	270
A35/W18	cooling capacity / COP	kW / EER	5,6 / 5,0	8,2 / 5,0	12,3 / 5,1	14,5 / 5,0
A35/W7	cooling capacity / COP	kW / EER	5,5 / 5,2	7,9 / 5,1	11,8 / 5,2	14,2 / 5,1

Fresh Hot Water System		ZH-FS3101	ZH-FS5101	ZH-FS9101	ZH-FS15101	
Storage capacity		l	300	476	805	1.500
Flow rate		l	22	22	40	40-80
Dimensions without insulation (Ø x H)		mm	500 x 1.740	600 x 1.920	790 x 1.990	1.100 x 1.920
Dimensions with insulation (Ø x H)		mm	660 x 1.900	750 x 1.920	990 x 1.990	1.340 x 1.920
Tilting dimension		mm	2.011 (with insulation)	2.029 (with insulation)	2.015 (without insulation)	2.335 (without insulation)
Weight		kg	80	94	165	246
Fresh hot water system			ZH-FWS01	ZH-FWS01	ZH-FWS02	1-2x ZH-FWS02



Presented by Your Heliotherm Competence Partner