

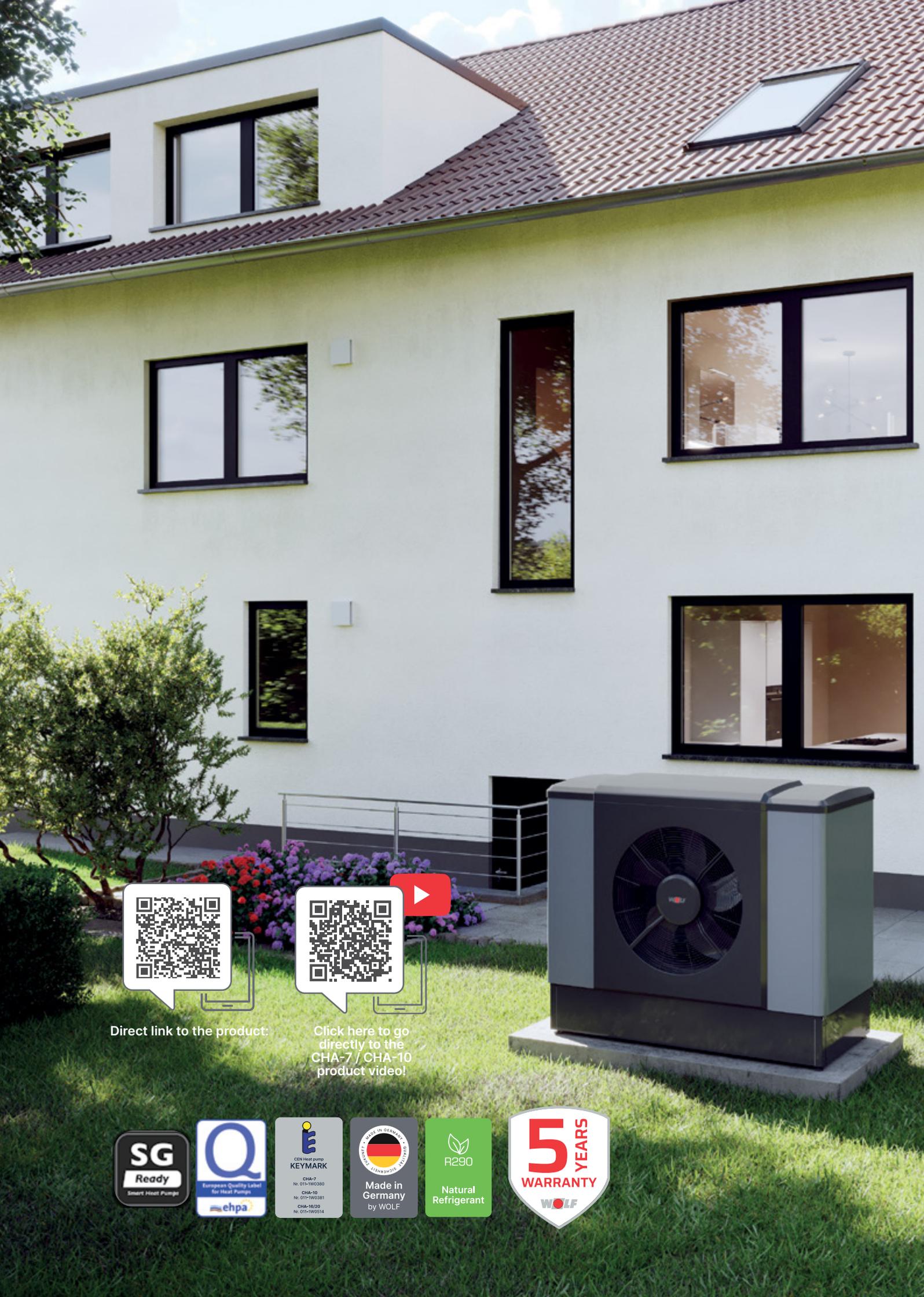


For contractors and operators
CHA-Monoblock air/water heat pump



CHA-Monoblock air/ water heat pump

Efficient, quiet and elegant design



Direct link to the product:



Click here to go directly to the CHA-7 / CHA-10 product video!





CHA-Monoblock air/ water heat pump

The CHA-Monoblock is a true champion of modernization. Switching heating to heat pump has never been easier.

It makes it easy to switch directly from oil or gas heating to a sustainable heat pump using the natural, **environmentally friendly refrigerant R290** (propane). The practical monoblock design and an extensive range of accessories, high flow temperatures and peak efficiency make it all possible.

You get a robust premium product that is designed for easy installation, maximum convenience and exceptionally reliable long-term operation. Naturally, the same goes for new building construction.

Become part of the energy revolution and opt for the successful CHA-Monoblock, which has proven itself thousands of times over.



CHA-07, CHA-10



CHA-16/20

CHA-Monoblock air/water heat pump

Nine good reasons for the new CHA-Monoblock heat pump

09

/01



Natural refrigerant R290

The natural and environmentally friendly refrigerant R290 (propane) allows higher flow temperatures, which makes it very well suited for existing buildings. R290 guarantees efficient, sustainable and future-proof operation.

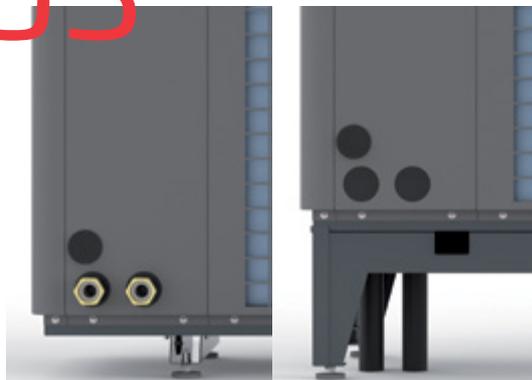
/02



Low noise levels - peace and quiet in the neighborhood

Numerous technical details such as the single-wing design with a large fan and low speed, tracking geometry as well as the installation of the components in a sound-insulating EPP core ensure that noise from the heat pump disturbs neither operators nor neighbors.

/03



Ease of handling

The compact dimensions as well as the practical lifting device on the outdoor unit make it easy to set up. The hydraulic connection can be made on the bottom or at the rear without additional accessories - depending on structural conditions and customer requirements.

/04



Top values for efficient heating and cooling

Through the perfectly coordinated interaction of all device components, the heat pump heats and cools with ideal modulation. Pleasant warmth and gentle cooling all year round.

/05



Sturdiness and smooth operation

Designed for a long service life: With a robust housing and a UV-resistant powder coating, the heat pump copes with even the toughest environmental conditions. The raised base ensures smooth operation in high snowfall regions at all times.

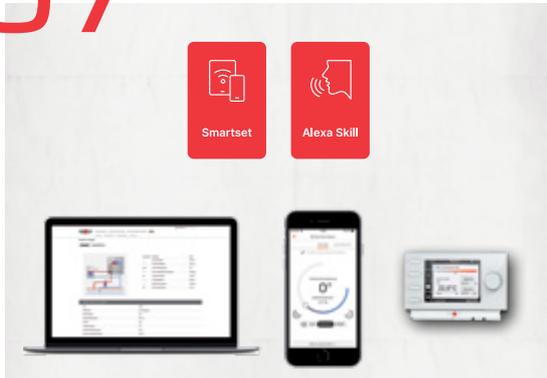
/06



Reliable failure protection and large power reserve

The demand-controlled heating element with 9 kW serves as a reliable power reserve and ensures defrosting energy. For CHA-16/20, a version without electric heater is also available upon request.

/07



Directly online

With the WOLF Link home interface module and the Smartset portal, you can monitor your customers' systems via the internet at any time. This makes it easy to read the status of the system and optimise settings without costly travel.

/08



The compact all-in-one solution: Heat pump center

The CHA-Monoblock is also optionally available as a WOLF heat pump center. The eleven modular variants of the CHC heat pump center allow exceptionally space-efficient and quick installation as well as a neat and tidy appearance (including hot water and buffer cylinders).

/09



Take advantage of self-produced electricity

Use excess electricity for heating, preparing hot water or even cooling in summer. A two-wire cable is all it takes to connect to the inverter with PV output. This increases independence from the grid.

Performance specifications at a glance

TYPE		CHA-07	CHA-10	CHA-16/20
A7/W35 rated output / COP according to EN14511	kW / -	4.5 / 5.5	4.1 / 5.7	7.3 / 5.6
A2/W35 rated output / COP according to EN14511	kW / -	5.1 / 4.5	5.7 / 4.6	9.9 / 4.6
A-7/W35 rated output / COP according to EN14511	kW / -	5.9 / 2.7	7.9 / 2.9	11.9 / 3.2
A-7/W35 max. output	kW	6.8	9.8	16.7
A35/W18 cooling capacity range	kW	2.3 - 7.0	4.3 - 10.0	7.2 / 16.4
Max. flow temperature in pure heat pump operation	°C	70	70	70
Sound pressure in reduced night mode (free-standing, 3 m distance)	dB(A)	32	34	39
Sound power level day max. / reduced night operation / ErP	dB(A)	58 / 49 / 52	60 / 51 / 53	65 / 56 / 52
Seasonal central heating efficiency (ETA _s (35°C) / P _{rated}) at average climate conditions.	% / kW	194 / 6	191 / 8	215 / 14
Seasonal central heating efficiency (ETA _s (55°C) / P _{rated}) at average climate conditions.	% / kW	148 / 6	141 / 8	154 / 15
Refrigerant type / GWP	- / -	R290 / 3	R290 / 3	R290 / 3
Refrigerant charge /CO ₂ eq.	kg / t	3.1 / 0.009	3.4 / 0.01	3.8 / 0.011
Operating limits for supply air heating & hot water / cooling	°C	-22 to +40 / +10 to +45	-22 to +40 / +10 to +45	-22 to +40 / +10 to +45
Energy efficiency class, central heating, low temperature	-	A+++	A+++	A+++
Energy efficiency class, central heating, medium temperature	-	A++	A++	A+++
Dimensions of outdoor unit (W x H x D)	mm	1,286 × 979 x 562	1,286 × 979 x 562	1,700 × 1,300 x 756
Dimensions of indoor unit (W x H x D)	mm	440 × 790 x 340	440 × 790 x 340	440 × 790 x 340
Weight of outdoor/indoor unit	kg	152 / 27	162 / 27	253 / 27
Electrical connection for outdoor unit	V	400	400	400
Max. power E-heating rod	kW	9	9	9

We provide no guarantee as to the correctness of the information supplied.







Quick and easy to install - The heat pump indoor unit

Optimized cable entry -
enough space for large
cross sections

Generously proportioned electrical connection box - access to all important contacts

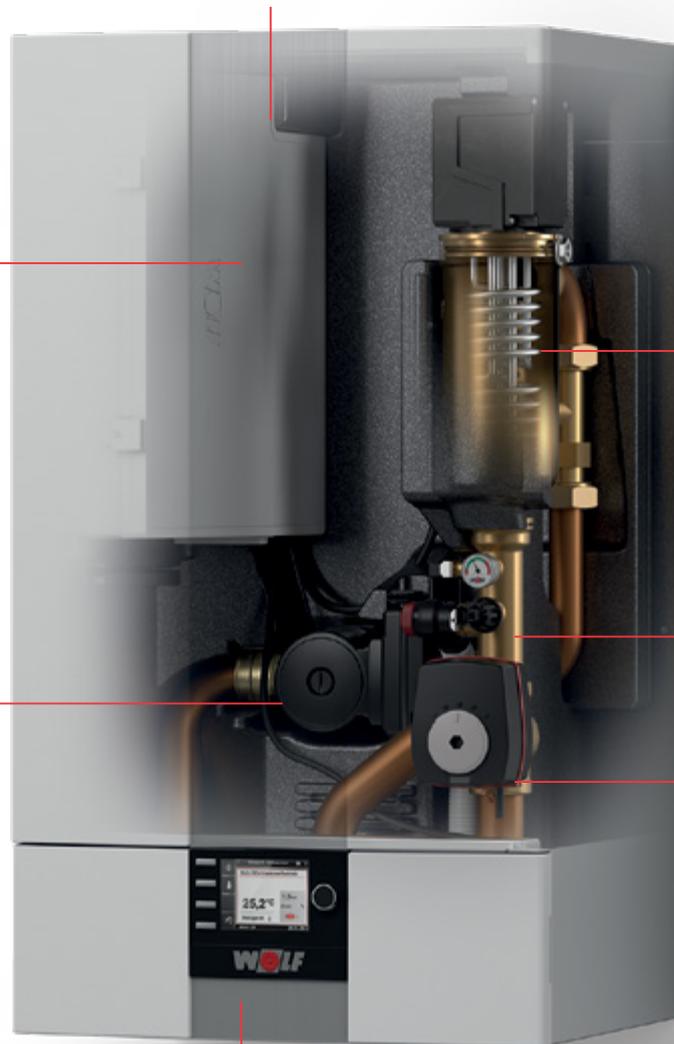
E-heater backup (9 kW) -
just in case

Circulation pump

Safety valve and
sensor system

3-way changeover valve -
heating/cooling or hot water

Integration into the WOLF
control system WRS-2



Our expert advisers are more than happy to help:

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**If you have any questions about this brochure,
please contact us at feedback@wolf.eu**



**We look forward to
hearing from you.**

Subject to technical modifications. Please note that only the WOLF product is shown in the images of the product. You will usually need incoming and outgoing lines which are connected to the WOLF product from the outside.

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WOLF

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