

WOLF

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



FHA-Monoblock air/ water heat pump

Simply versatile



Direct link to the product:



FHA-Monoblock air/water heat pump

Nowadays heat pumps are installed in almost every other building. Take advantage of the potential of this future-proof technology with the **new FHA-Monoblock air/water heat pump**. You get a robust product from the new WOLF Functionline that is designed for easy installation and exceptionally reliable long-term operation.

Applications of the FHA-Monoblock range from **small single-family homes to cascade applications in multi-family housing**. The new FHA-Monoblock is also ideally equipped for commercial use.

FHA-Monoblock air/water heat pump

Nine good reasons for the new FHA-Monoblock heat pump

09

/01



Broad performance spectrum

From small energy-efficient single-family homes with 5 kW to commercial use in large-scale projects with up to 70 kW in cascade operation.

/02



Perfect balance of price and performance

Hallmark of the new FHA: Its very good cost-benefit ratio. Affordable to purchase, yet offers good performance at the same time, all embedded in the WOLF control system.

/03



Easy installation

Fully equipped in solid monoblock construction: Indoor unit with established WOLF equipment (optional 6 kW electric heater backup) as well as closed refrigerant circuit (no refrigerant certificate required).

/04



Sophisticated device concept

Modulating heating, cooling and hot water operation as standard from the factory. Robust metal housing with optional evaporator protection grille. All outdoor units are exceptionally compact, as high output can be achieved with just a single fan.

/05



Modern refrigerant R32

R32 allows increased efficiency as well as flow temperatures of up to max. 60-65°C for hygienic water heating. Further benefits include good environmental compatibility, low filling quantities and flexible installation options.

/06



Genuine heat pump power up to 70 kW

Can be used in any project as a cascade with up to five units. Low noise and efficient modulation provide maximum economy and operational reliability with pure heat pump performance.

/07



Coordinated accessories for a wide range of applications

Simply order the following together if needed: Connection solution for uncomplicated hydraulic and electrical connection, floor console with optional cladding kit, sludge and magnetite separator and much more.

/08



Also available as a complete solution: The FHA Center

What you'd expect from WOLF: Also available as an exceptionally compact heat pump center. Almost all building services combined on less than one square meter.

/09



Take advantage of self-produced electricity

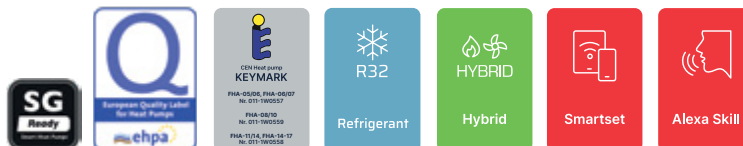
Use excess electricity for heating, preparing hot water or even mild cooling in summer. A two-wire cable is all it takes to connect to the inverter with PV output. This increases independence from the grid.

Performance specifications at a glance

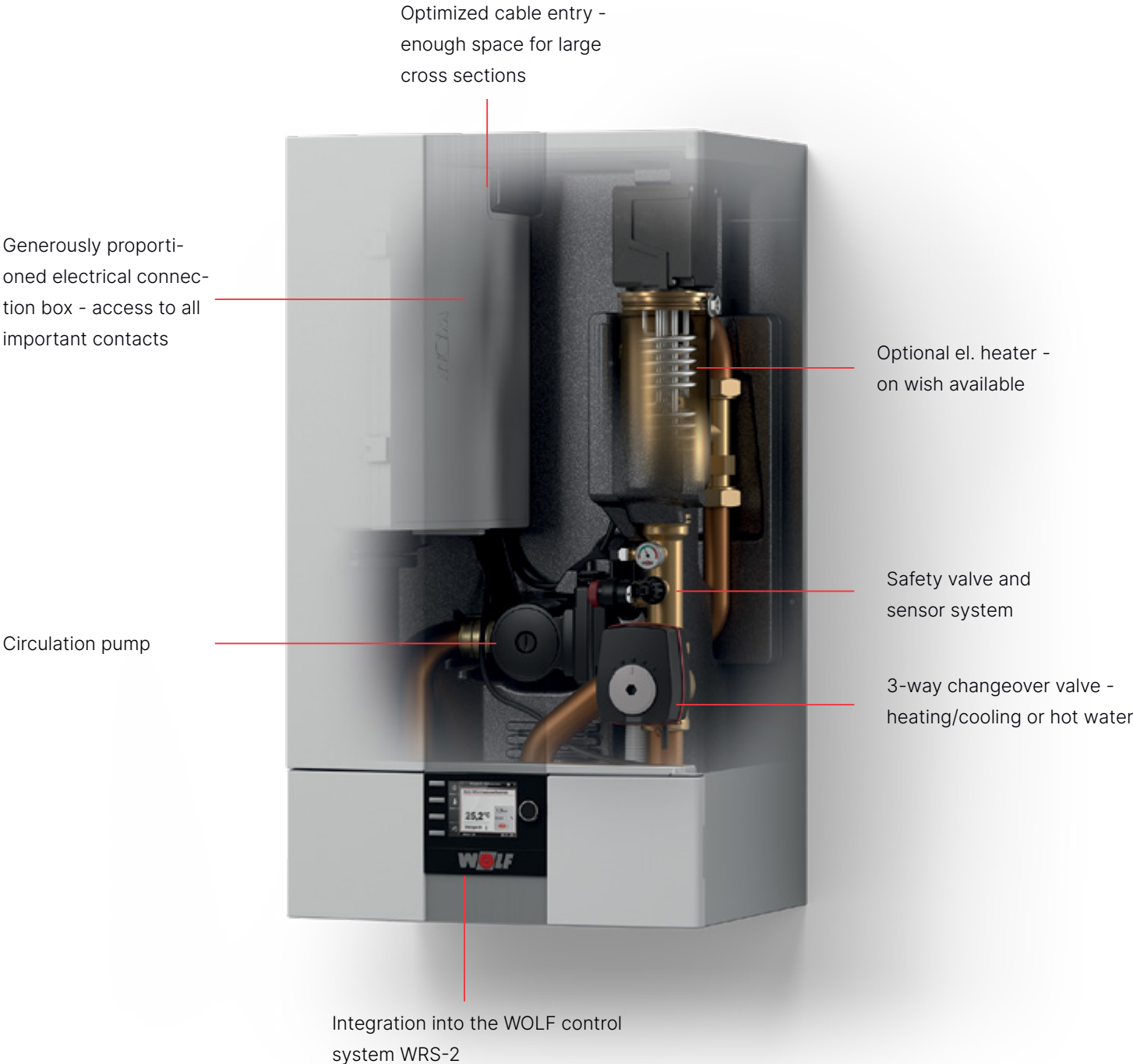
TYP		FHA-05/06	FHA-06/07	FHA-08/10	FHA-11/14 (230V)	FHA-14/17 (230V)	FHA-11/14 (400V)	FHA-14/17 (400 V)
A7/W35 rated output / COP according to EN14511	kW / -	2,9 / 4,7	3,8 / 5,2	3,6 / 4,9	8,4 / 5,1	6,6 / 5,0	6,8 / 5,0	6,8 / 5,2
A2/W35 rated output / COP according to EN14511	kW / -	2,9 / 3,5	3,0 / 3,5	4,9 / 4,3	6,1 / 3,5	7,3 / 3,7	8,1 / 3,4	6,8 / 3,5
A-7/W35 max. output / COP according to EN14511	kW / -	5,0 / 3,1	5,5 / 2,8	7,6 / 2,9	9,4 / 2,5	11,6 / 2,5	10,1 / 2,6	11,8 / 2,6
A35/W18 max. cooling capacity / EER according to EN14511	kW / -	6,9 / 4,3	6,8 / 4,3	9,7 / 4,4	12,6 / 3,6	14,9 / 3,4	14,6 / 3,5	14,5 / 3,5
Max. flow temperature from 5 to 19°C / Max. flow temperature from 0 to -15°C	°C / °C	65 / 60	65 / 60	65 / 60	65 / 60	65 / 60	65 / 60	65 / 60
Sound pressure in reduced night mode (free-standing, 3 m distance)	dB(A)	36,9	37,5	37,5	38,5	38,7	40,3	40,8
Sound power level day max. / reduced night operation / ErP	dB(A)	56,8 / 54,4 / 58,6	59,8 / 55,0 / 57,9	60,5 / 55,0 / 58,9	60,8 / 56,0 / 60,6	66,4 / 56,2 / 61,5	62,5 / 57,8 / 61,4	66,6 / 58,3 / 61,5
Seasonal central heating efficiency (ETA _s (35°C) / SCOP) at average climate conditions	% / -	181 / 4,59	167 / 4,26	196 / 4,98	174 / 4,43	178 / 4,52	165 / 4,19	173 / 4,40
Seasonal central heating efficiency (ETA _s (55°C) / SCOP) at average climate conditions	% / -	127 / 3,24	129 / 3,30	133 / 3,41	126 / 3,22	131 / 3,36	121 / 3,09	129 / 3,30
Refrigerant type / GWP	- / -	R32 / 675	R32 / 675	R32 / 675	R32 / 675	R32 / 675	R32 / 675	R32 / 675
Refrigerant charge / CO ₂ eq.	kg / t	1,4 / 0,95	1,4 / 0,95	1,4 / 0,95	1,75 / 1,18	1,75 / 1,18	1,75 / 1,18	1,75 / 1,18
Operating limits for supply air heating / cooling / hot water	°C	-25 bis +43 / +10 bis +43 / -25 bis +43	-25 bis +43 / +10 bis +43 / -25 bis +43	-25 bis +43 / +10 bis +43 / -25 bis +43	-25 bis +43 / +10 bis +43 / -25 bis +43	-25 bis +43 / +10 bis +43 / -25 bis +43	-25 bis +43 / +10 bis +43 / -25 bis +43	-25 bis +43 / +10 bis +43 / -25 bis +43
Energy efficiency class, central heating, low temperature	-	A+++	A++	A+++	A++	A+++	A++	A++
Energy efficiency class, central heating, medium temperature	-	A++	A++	A++	A++	A++	A+	A++
Dimensions of outdoor unit (W x H x D)	mm	1.295 x 718 x 429	1.295 x 718 x 429	1.385 x 865 x 526	1.385 x 865 x 526	1.385 x 865 x 526	1.385 x 865 x 526	1.385 x 865 x 526
Dimensions of indoor unit (W x H x D)	mm	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340
Weight of outdoor/indoor unit	kg	79 / 25	79 / 25	98 / 25	122 / 26	122 / 26	137 / 26	137 / 26
Electrical connection for outdoor unit	V	230	230	230	230	230	400	400
Optional available el. heater (max power)	kW	6	6	6	6	6	6	6

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

* according to EN 12102/EN ISO 9614-2



Quick and easy to install - The heat pump indoor unit





Our Functionline team for new building construction



FHA-Center

Attractive heat pump center

- Consisting of an outdoor and an indoor unit
- All building services equipment in the smallest possible space
- Fast and fault-free installation thanks to a modular design
- Available in many variants:
A tailored solution for every project
- Exceptionally compact outdoor unit with simple hydraulic connection



FWL-PushPull or CWL-F

Central and decentralized home ventilation

CWL-F

- Central mechanical ventilation
- Space saving and inconspicuous
- Allows both ceiling and wall mounting

FWL-PushPull

- For existing and new buildings
- Available as a radio or wired variant
- Suitable even for thin exterior walls



Alexa or wibutler smarthome

A smart team

- Amazon's digital assistant Alexa or the wibutler smarthome system makes innovative WOLF heating and home ventilation products easier to operate than ever before

Our expert advisers are more than happy to help:

WOLF Energiesystemen BV

Blauwe Engel 1
8265 VB Kampen
Tel. +31 38 3335086
www.wolf.eu/nl-nl

WOLF Italia S.r.l.

Via XXV Aprile, 17
20097 S. Donato Milanese
Tel. +39 02 5161641
www.wolf.eu/it-it

WOLF France S.A.S.

ZI La Prairie
10 rue de la Prairie
91140 Villebon-sur-Yvette
Tel. +33 1 60136470
www.wolf.eu/fr-fr

WOLF HVAC Systems (Shanghai) Co., Ltd.

Unit 203, Building B, No. 388
North Fuquan Road
200335 Shanghai
Tel. +86 21 6125 6246
www.wolfhvac.com

WOLF Iberica S.A.

Avenida de la Astronomia 2
28830 San Fernando de
Henares
Tel. +34 91 6611853
www.wolf.eu/es-es

WOLF Technika Grzewcza Sp. z o.o.

Ul. Sokolowska 36
05-806 Komorow Warszawa
Tel. +48 22 7206901
www.wolf.eu/pl-pl

**If you have any questions about this brochure,
please contact us via 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.

WOLF GmbH
Postfach 13 80
D-84048 Mainburg
Tel. +49 (0)8751 74-0
E-Mail info@wolf.eu
www.wolf.eu

WOLF

Perfectly in tune with you.

ENG/01.23
Item no. 4801889