

# Air – Water Heat Pump

## HPM2



HPM2.Z - Integrated set consisting of **HPM02** outdoor unit and **HPMI2** indoor unit for installation in new and modernized installations.



5 year warranty\*

\* detailed warranty conditions are described in the warranty card

### HPM02 outdoor unit - monoblock inverter heat pump

The most important advantages and functions:

- Energy class: A+++ (35 °C) / A++ (55 °C)
- The EVI injection system ensures high operating efficiency and water temperature up to 60°C
- Wide operating range at outside air temperature from -25°C do +43°C
- Quiet operation of the device - sound pressure level at a distance of 1 m: 52 to 56 dB (A) depending on the selected device power
- Surface cooling of rooms or cooperation with a fan coil
- Protection of the condensate against freezing
- Smooth power modulation ensures optimal operation depending on the heating needs:
  - HPM02-8: from 2,3 to 8,2kW (A7/W35)
  - HPM02-12: from 3,8 to 12,5kW (A7/W35)
  - HPM02-16/23: from 7 to 23kW (A7/W35)



HPM02-8



HPM02-12



HPM02-16/23

### HPMI2 indoor unit - weather-controlled heating unit, equipped with a hydraulic group and electric heating unit



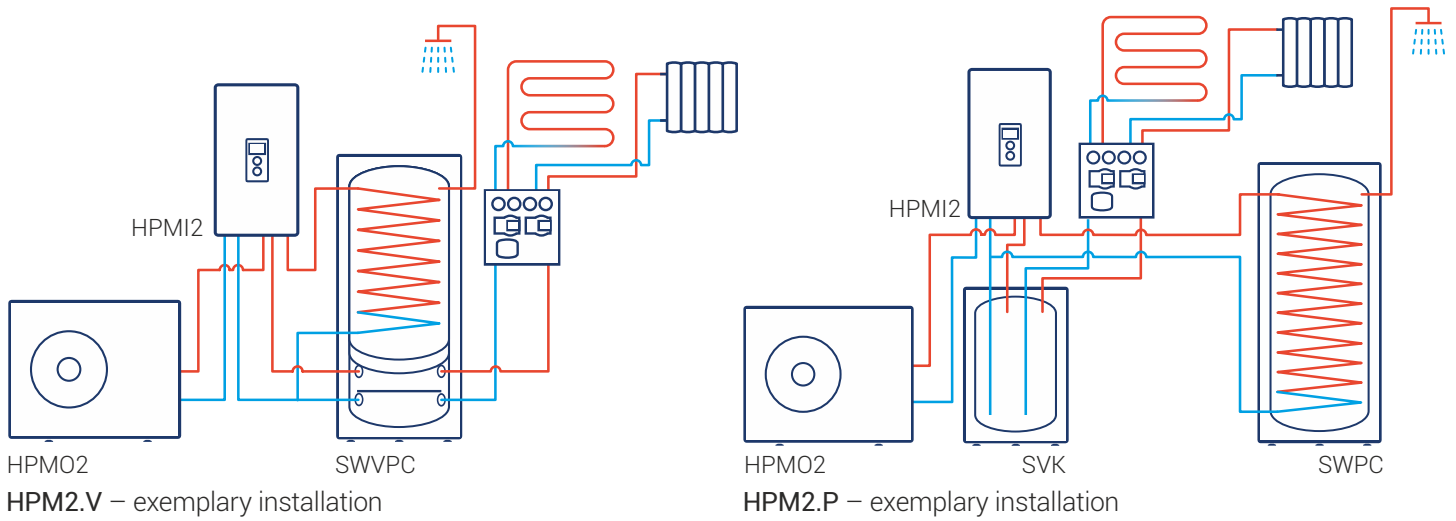
- Quick installation thanks to the matching elements placed in a compact housing
- Advanced control options:
  - weather control of heating
  - daily and weekly cycle of room temperature and domestic hot water regulation
  - control of 2 heating circuits + DHW circuit
- Electric heating unit with automatic power modulation:
  - \*\*3/6 kW in HPM02-8 end HPM02-12
  - \*\*\*3/6/9 kW in HPM02-16/23
- Hydraulic group:
  - a three-way dividing valve that allows you to heat water in cooperation with DHW cylinder
  - safety group - expansion vessel with a capacity 12 l, safety valve, electronic pressure gauge, automatic air vent.
- Remote control via the Internet using the C.MI2 module (additional accessory).



### Technical data

Product code	Elements of the set	Max. heating power (kW)	Max. COP	Seasonal energy efficiency class	Max level of pressure / sound power dB (A)	Max temp. of the heating medium	Voltage	Rated current of the overcurrent circuit breaker	Minimum cross-section of the power cord
HPM2.Z-8	HPM02-8 and HPMI2-8	8,2 (A+7/W35) 7,1 (A+2/W35) 5,8 (A-7/W35)	4,6 (A+7/W35) 4,01 (A+2/W35) 3,49 (A-7/W35)	A+++ (W35) A++ (W55)	52 from 1m / 60	65°C	400V 3N~ / 230 V~	3x16A / 40A	5x2,5mm <sup>2</sup> / 3x6mm <sup>2</sup>
HPM2.Z-12	HPM02-12 and HPMI2-12	12,5 (A+7/W35) 11,3 (A+2/W35) 9,2 (A-7/W35)	4,75 (A+7/W35) 3,94 (A+2/W35) 3,37 (A-7/W35)		55 from 1m / 63		400V 3N~ / 230 V~	3x25A / 50A	5x2,5mm <sup>2</sup> / 3x6mm <sup>2</sup>
HPM2.Z-16/23	HPM02-16/23 and HPMI2-16	23,0 (A+7/W35) 20,5 (A+2/W35) 17,1 (A-7/W35)	4,76 (A+7/W35) 4,02 (A+2/W35) 3,47 (A-7/W35)		56 from 1m / 64		400 V 3N~	3x32A	5x2,5mm <sup>2</sup>

## HPM2 Sets



## HPM2 Sets

	Product code	Description	Elements of the set
	HPM2.V-8	Package containing a monoblock HPM2.Z-08 heat pump and a central heating / domestic hot water tank. SWVPC-250/60 (hot water for 4 people)	HPM02-8 HPMI2-8 SWVPC-250/60
	HPM2.P-8	The package includes the HPM2.Z-8 monoblock heat pump, the SWPC-300 DHW cylinder (hot water for 6 people) and SVK-100 buffer tank	HPM02-8 HPMI2-8 SVK-100 SWPC-300
	HPM2.V-12	Package containing a monoblock HPM2.Z-12 heat pump and a central heating / domestic hot water tank. SWVPC-250/60 (hot water for 4 people)	HPM02-12 HPMI2-12 SWVPC-250/60
	HPM2.P-12	The package includes the HPM2.Z-12 monoblock heat pump, the SWPC-300 DHW cylinder (hot water for 6 people) and SVK-100 buffer tank	HPM02-12 HPMI2-12 SVK-100 SWPC-300
	HPM2.P-16/23	A package containing a monoblock HPM2.Z-16/23 heat pump, the SWPC-300 DHW cylinder (hot water for 6 people) and SVK-100 buffer tank	HPM02-16/23 HPMI2-16 SVK-100 SWPC-300

## Additional equipment

Product code	Picture	Description
C.MI2		The C.MI2 internet module enables remote control of the heat pump's operation via the Internet using a computer, tablet or smartphone. The control is via a web browser, ensuring easy and intuitive operation and the use of all the advanced functions of the device driver
HPFF		Vibro-isolating stand (base) for the heat pump 600x190x200 (2 pcs. in the set)
WE-019/01		Temperature sensor for storage tank / buffer
WE-019/05		Temperature sensor for heating circuits
HPHS.24		24V humidity sensor to protect against the accumulation of moisture

## ■ SWVPC – the "all in one" combined tank



5 year\*  
warranty

B

The combination tank combines DHW exchanger and a tank central heating buffer tank to support heating and cooling rooms. The tank has a double coil "Double Coil" with an area of 2,7 m<sup>2</sup>

### Additional equipment

Possibility of using an electric heater in the hot water and central heating section  
GRW-1,4kW/230V; GRW-2,0kW/230V;  
GRW-3,0kW/230V; GRW-4,5kW/400V

## Most important advantages

### „Double Coil“

- Special design - two coils connected by a manifold provide a large flow and heating surface, which guarantees the highest efficiency of the pump's operation

### Full baffle insulation

- The baffle in the central heating buffer tank prevents mixing of hot water supplying the central heating system with the cool water returning to the buffer.

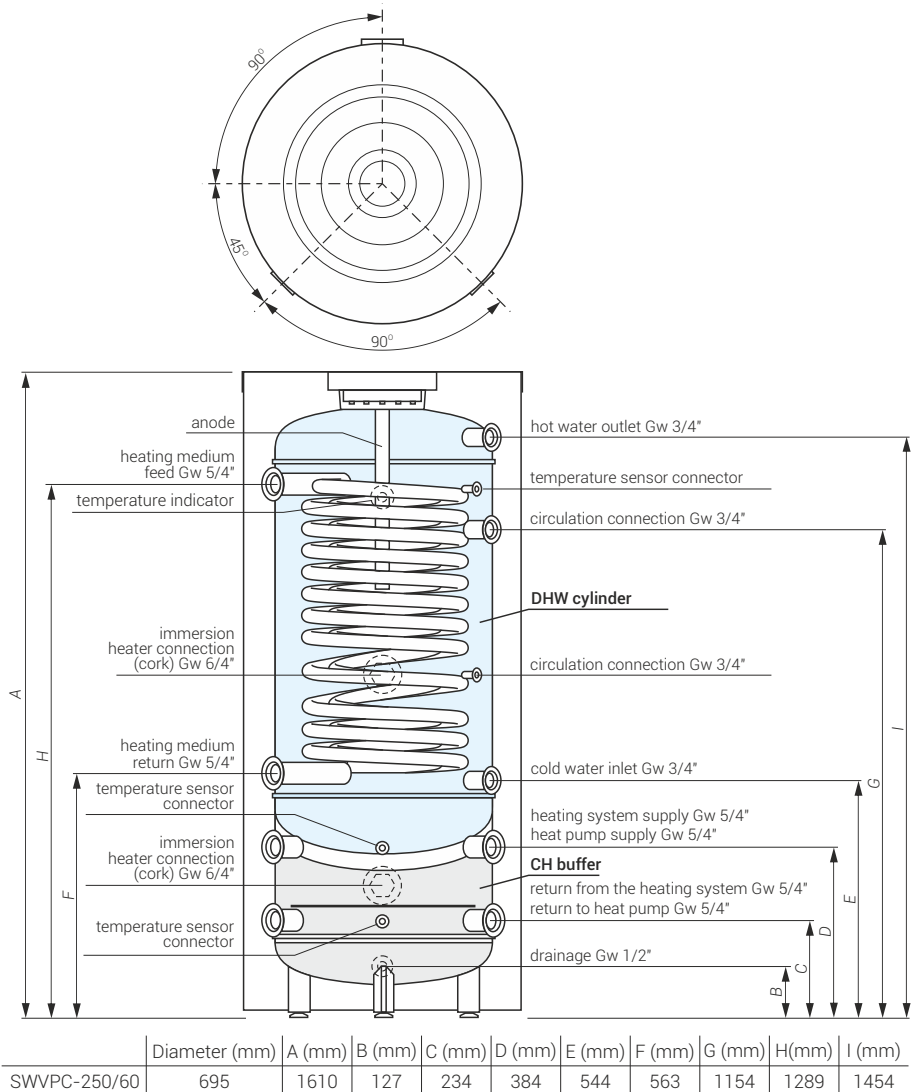
### Performance and compactness all in one

- The compact design allows for simplified installation in small or sparse positioned rooms, and the capacity provides the comfort of hot water domestic hot water even for a family of 4

### Reinforced casing

- The ABS plastic housing is durable and protects the tank from damage mechanical damage, and the material does not age during years of use

## Dimensions



## Technical data

Product code	Capacity buffer / DHW coil (l)	Surface area of heat transfer (m <sup>2</sup> )	Rated pressure (cylinder/ DHW coil/ steel coil) (MPa)	Power of the buffer tank ** (kW)	Thickness / insulation material *** (mm)	Stand-by losses **** (W)	Anode type
SWVPC-250/60	235/60	2,7	0,6 / 0,3	75 / 23	67/PUR/NR	56	AMW.M8.500

\* Detailed warranty conditions are described in the warranty card.

\*\* Following parameters 80/10/450C / 55/10/450C (heating water temp. / feed water temp. / DHW temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R - removable, NR - not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

## ■ SWPC – exchanger with the largest heating surface



### Most important advantages

- Capacity of 300l optimal for 5-6 personal family.
- Special design in the form of two coils connected by a manifold. Provides high flow rate and heating surface heating area of 4.22 m<sup>2</sup>. This guarantees the highest efficiency of pump operation.
- Possibility to connect 1 or 2 additional electric heaters

### Additional equipment

Possibility of using an electric heater:

GRW-1,4kW/230V; GRW-2,0kW/230V;  
GRW-3,0kW/230V; GRW-4,5kW/400V;  
GRW-6,0kW/400V

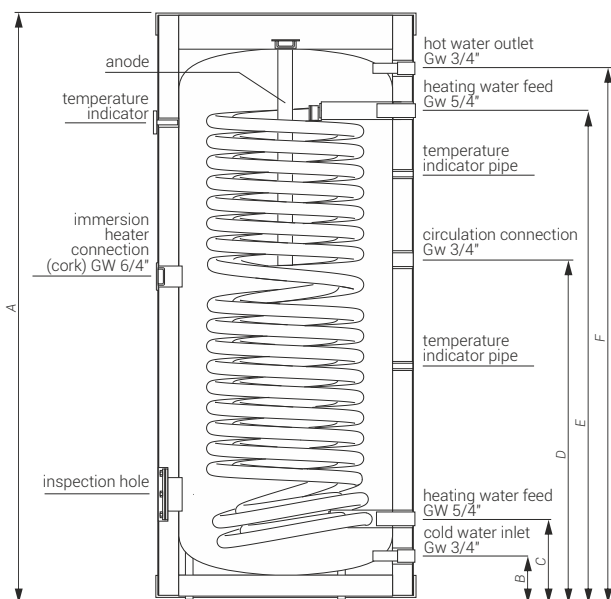
Flansa.GRW - flange plug with the connection for immersion heater, max. rated power - 4,5kW

4,22m<sup>2</sup>  
coil

6year\*  
warranty



### Dimensions



	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
SWPC-300	695	1615	127	237	953	1354	1464

### Technical data

Product code	Capacity (l)	Surface area of coil (m <sup>2</sup> )	Rated pressure (cylinder / coil) (MPa)	Power of coil ** (kW)	Thickness / insulation material *** (mm)	Stand-by losses **** (W)	Anode type
SWPC-300	305	4,22	0,6 / 1,0	120 / 36	67/PUR/NR	61	AMW.M8.590

## ■ SVK – buffer tank



### Most important advantages

- Capacity 104l
- Energy class A - very good thermal insulation (PUR foam 65mm)
- Accumulates heat in heating mode and cold in cooling mode
- Extends the time of reliable compressor operation by reducing the the number of switching on during the transition period: spring - autumn
- Supports the compressor's "defrost" function without having to drawing energy from the heating circuits
- Ensures optimal system operation by separating hydraulic separation of the pump circuit from the heating circuits

### Additional equipment

Immersion heaters can be installed in the cylinder:

GRW-1,4kW/230V; GRW-2,0kW/230V;  
GRW-3,0kW/230V; GRW-4,5kW/400V

5year\*  
warranty



### Technical data

Product code	Capacity (l)	Rated pressure (MPa)	Thickness / insulation material *** (mm)	Stand-by losses **** (W)
SVK-100	104	0,6 MPa	65/PUR/NR	27

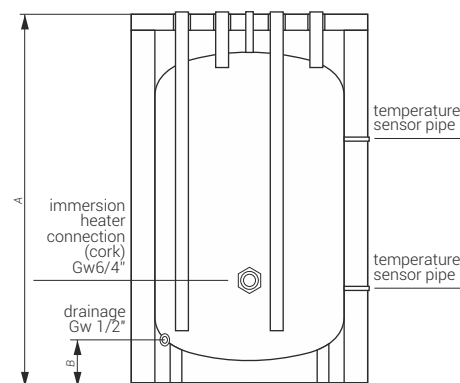
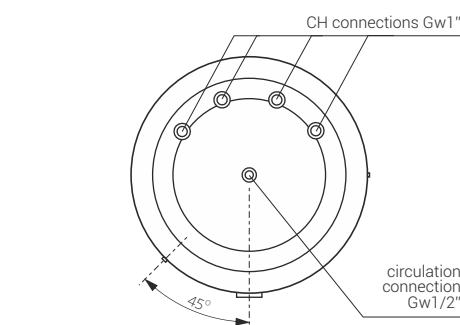
\* Detailed warranty conditions are described in the warranty card.

\*\* Following parameteres 80/10/450C / 55/10/450C (heating water temp. / feed water temp. / DHW temp.), flow rate of heating water through the coil 2,5 m<sup>3</sup>/h.

\*\*\* Insulation: R - removable, NR - not removable.

\*\*\*\* In line with EU Commission resolution no. 812/2013, 814/2013.

### Dimensions



	Diameter (mm)	A (mm)	B (mm)
SVK-100	595	906	127