



NEW

THE HIGHEST
EFFICIENCY
AND TIMELESS DESIGN

»» AIRMAX³ (2-15 KW)

THE LATEST GENERATION
OF AIR-WATER HEAT PUMPS
FOR NEW AND MODERNIZED BUILDINGS

The latest generation of air-water heat pumps for new and modernized buildings

»» Airmax³ (2-15 kW)

Unique technology and the highest efficiency

- ▶ Power intelligently matched to energy-efficient and modernized houses.
- ▶ Reverse system - 3 functions in 1 device - house heating, cooling and DHW heating.
- ▶ Ability to obtain grants in Germany - included on the BAFA list.
- ▶ COP = 5,2 (Airmax³ 12GT - A7W35).
- ▶ Constant supply temperature up to 68°C (for air temperature from -5°C to 20°C).
- ▶ Ecological refrigerant R290.
- ▶ Up to 21% more efficient - compared to the previous generation.
- ▶ Easy and fast installation - monobloc heat pump - hermetic heat pump system.
- ▶ Awarded with the MTP Gold Medal 2022 as well as the ENEX Medal 2022.
- ▶ Developed and produced in Poland.



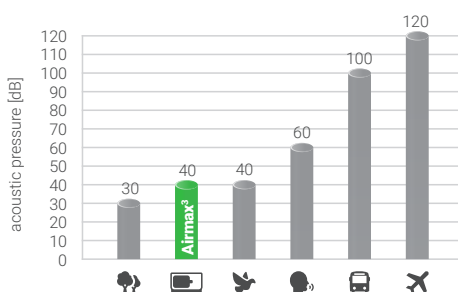
Proven design

- ▶ Efficient inverter scroll compressor - smooth power modulation in a wide range.
- ▶ 23% smaller (Airmax³ 12GT vs Airmax² 12GT) - easy installation under the window.
- ▶ Natural shapes and colours of the unit work very well in any type of space.
- ▶ Durable, weather-resistant housing made of aluminium and plastic.
- ▶ Heat pump tested under refrigeration conditions.
- ▶ Active Defrost - intelligent, efficient defrosting system.
- ▶ Anti-Freeze - active frost protection.



Extremely quiet

- ▶ Dual Silent mode.
- ▶ Very quiet operation enables installation in dense building development.
- ▶ Extremely quiet fans with aerodynamic shapes.
- ▶ Only 39 dB acoustic pressure - Airmax³ 5GT
- ▶ Up to 13% quieter - acoustic power Airmax³ 12GT vs Airmax² 12GT.



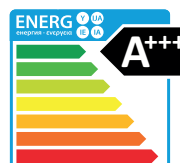
Ecological refrigerant

- ▶ High heat pump efficiency with less refrigerant.
- ▶ Allows the heat pump to obtain very high operating parameters.
- ▶ Enables the heat pump to operate at low outdoor temperatures.
- ▶ The lowest ODP (Ozone Depletion Potential) = 0 - zero impact on the ozone layer.
- ▶ Convenient use - no need to register the device in the CRO database.
- ▶ GWP (Global Warming Potential) = 3 - safe for the environment.



Highest possible energy efficiency class

Ability to obtain a wide range of grants thanks to the high ErP class A+++ (A7W35), A++ (A7W55) and certified tests in an accredited European laboratory.



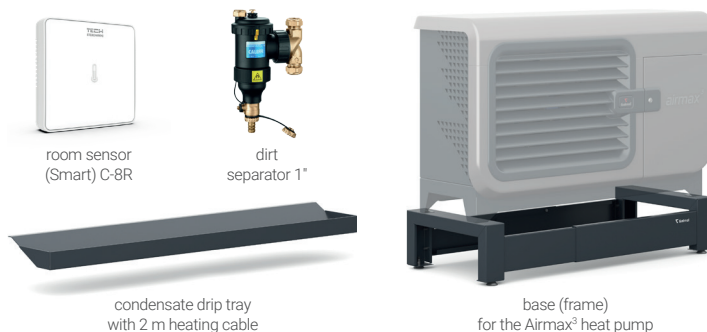
Easy and fast installation

- ▶ Convenient installation with the Gbox module or the Onebox hydraulic cabinet.
- ▶ First run configurator - Step by Step.
- ▶ Support for two heating circuits and wireless room sensors.
- ▶ Automatic control based on the heating curve.
- ▶ 230V (Airmax³ 5GT) or 400V (Airmax³ 12GT) power supply.
- ▶ Complete set of sensors for: DHW tank, CH buffer, two heating circuits.
- ▶ Wireless room sensor included.
- ▶ Complete online control via application and web browser.
- ▶ Modbus protocol.
- ▶ Heat pump designed to work with an emergency power supply.
- ▶ Smart Home System.

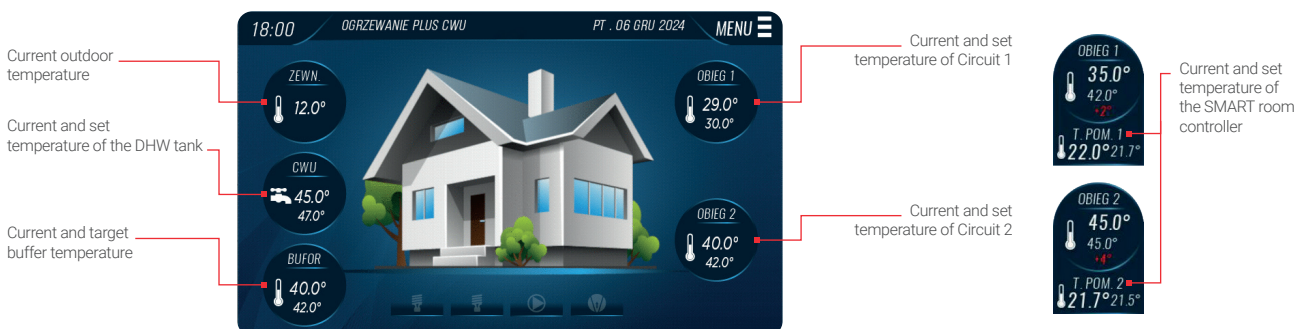


Wide range of accessories, including:

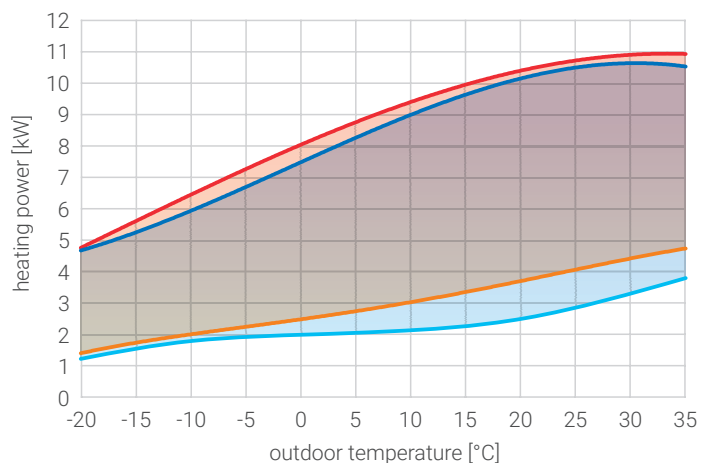
- ▶ Smart C-8R room sensor.
- ▶ Base (frame) for the heat pump.
- ▶ Rubber stands.
- ▶ Dirt separator 1".
- ▶ Condensate drip tray with 2 m heating cable.
- ▶ Plate heat exchanger (glycol-water) for the existing water installation.



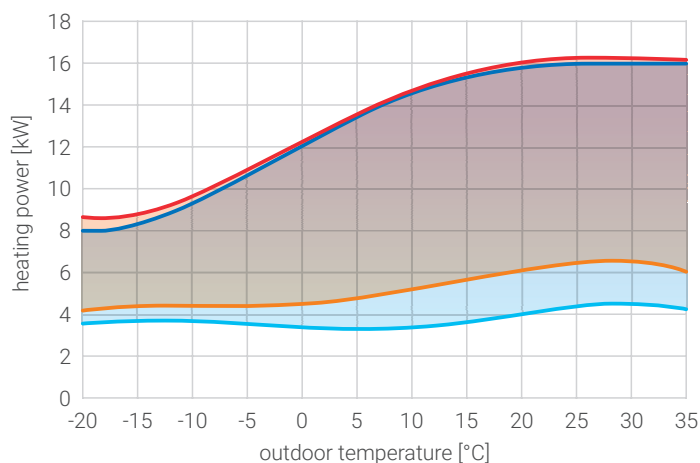
Intuitive controller



Heating power modulation range of the Airmax³ (2-15 kW) heat pump

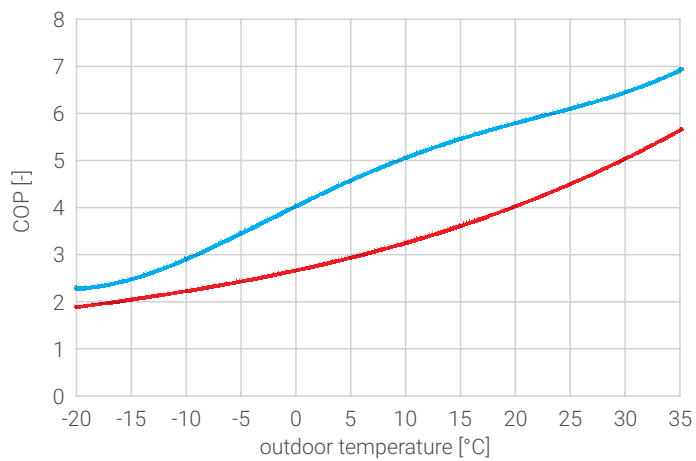


Heating power modulation range - Airmax³ 7GT
 ■ W35 max. ■ W35 min. ■ W55 max. ■ W55 min.

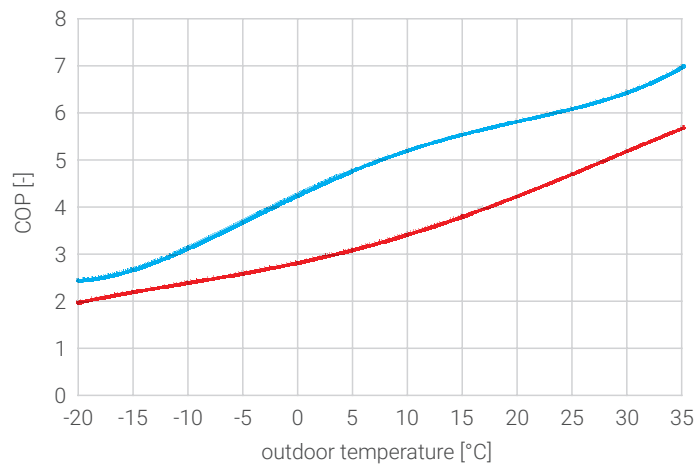


Heating power modulation range - Airmax³ 12GT
 ■ W35 max. ■ W35 min. ■ W55 max. ■ W55 min.

COP_{nom} efficiency - Airmax³ (2-15 kW)

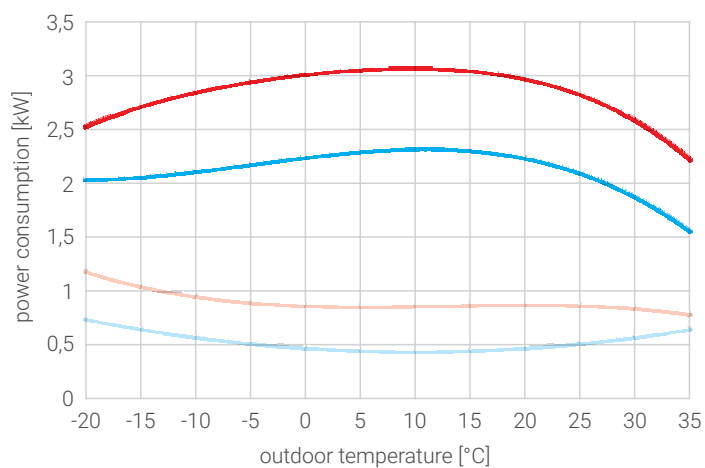


COP_{nom} efficiency Airmax³ 7GT
 ■ COP W35 nom ■ COP W55 nom

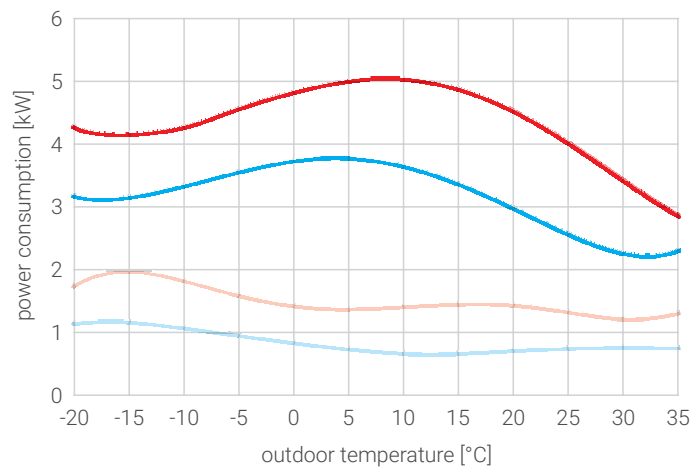


COP_{nom} efficiency Airmax³ 12GT
 ■ COP W35 nom ■ COP W55 nom

Power consumption - Airmax³ (2-15 kW)



Power consumption - Airmax³ 7GT
 ■ W35 max ■ W35 min
 ■ W55 max ■ W55 min



Power consumption - Airmax³ 12GT
 ■ W35 max ■ W35 min
 ■ W55 max ■ W55 min

Gbox/Onebox indoor units

in sets with Airmax³ heat pumps

Onebox hydraulic cabinet:

- ▶ 190 l efficient indirect water heater for heat pumps with a spiral coil (surface area of 2,5 m²) and an additional 2 kW electric heater.
- ▶ Built-in three-stage flow-through water heater 7 kW (2,33 / 4,66 / 7 kW).
- ▶ Energy-saving, electronic circulation pump with stepless speed control.
- ▶ Three-way switching valve with actuator.
- ▶ Heat pump controller with glass screen and high resolution.
- ▶ Air and pollution separator.
- ▶ Expansion vessel for central heating.
- ▶ Manometer.
- ▶ Valve for filling and venting the central heating system.
- ▶ 230V or 400V power supply depending on the selected connection variant.
- ▶ Dimensions (height x width x depth): 1849 x 713 x 733 mm.



Onebox hydraulic cabinet

Gbox hydraulic module:

- ▶ Built-in three-stage flow-through water heater 7 kW (2,33 / 4,66 / 7 kW).
- ▶ Energy-saving, electronic circulation pump with stepless speed control.
- ▶ Three-way switching valve with actuator.
- ▶ Heat pump controller with glass screen and high resolution.
- ▶ 230V or 400V power supply depending on the selected connection variant.
- ▶ Dimensions (height x width x depth): 720 x 420 x 252 mm.



Gbox hydraulic module

Technical specification of the Gbox/Onebox indoor units for Airmax³ heat pumps

specification	unit	Gbox	Onebox
power consumption of the heat pump circulation pump	W		10-140
maximum length of the heating medium cable ¹	m		10
net weight	kg	16,5	193
gross weight	kg	18	211
acoustic power ²	dB		32
dimensions (height x width x depth)	mm	720 x 420 x 252	1849 x 713 x 733
material of the hydraulic connections	-		brass
connections	-		external thread 1"
voltage of the indoor unit	-	400 V, 50 Hz, 3~/N/PE or 230 V, 50 Hz, 1~/N/PE	
tank's capacity	l	-	190
coil's surface	m ²	-	2,5
tank's maximum working pressure	MPa	-	0,60
tank's heater power	kW	-	2
DHW tank protection	-	-	titanium anode

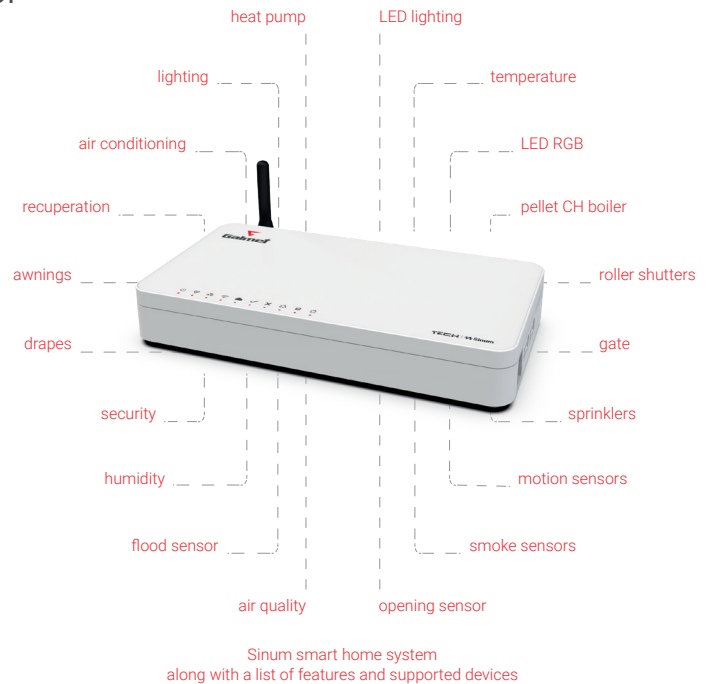
¹ The distance between the outdoor unit and the elements of the internal hydraulic system (buffer/DHW tank). The value should be verified by calculating the flow resistance of a given installation in comparison with the characteristics of the circulation pump installed in the device..

² According to the EN 12102 norm.

Sinum Smart Home system

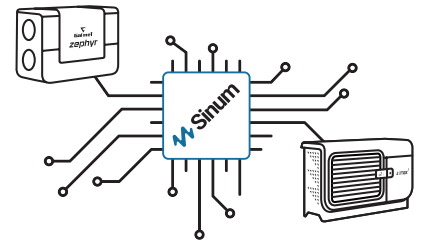
Modern Home Management Center

- ▶ Revolutionary offer that changes the way you control your home.
- ▶ The Airmax³ set becomes the center of your smart home.
- ▶ One application, full control – underfloor and radiator heating, cooling, ventilation, lighting, blinds, security.
- ▶ Smart Home module included with every Airmax³ heat pump.
- ▶ Optimal integration with Zephyr heat recovery unit.
- ▶ For use in new and modernized buildings.
- ▶ Easy addition of additional functions: lighting control, sockets.
- ▶ Weather forecasting.
- ▶ Wired and wireless system.
- ▶ Remote updates of heat pump and heat recovery unit.



Intelligent management of the entire hybrid system

The Sinum controller intelligently manages the entire Galmet hybrid heating system based on programmed patterns. Different heat sources work as one heating system and are able to achieve the best possible efficiency, making the entire system even more economical and ecological. The user can perfectly setup the control of the entire building to his own needs.



Mobile application

The mobile application provides you with the most important information about your smart home. Additionally, you can freely configure it according to your preferences, adding your favourite rooms, devices, scenes or automations to the main view.

Moreover, you have access to all kinds of statistics (temperature, pressure, air quality, etc.) and full control over the parameters in each room.



Control of heating, lighting, blinds and building security



actuator, window opening sensor, touch switch with temperature controller



touch light switches and dimmers








touch switches and blinds control modules



wireless particle concentration sensor, flood sensor and multisensor

Complete set with Airmax³ (2-15 kW) heat pump, Gbox hydraulic module, CH buffer, SGW(S) Tower Grand indirect water heater and Sinum Smart Home System

Airmax³
heat pump

Gbox
module

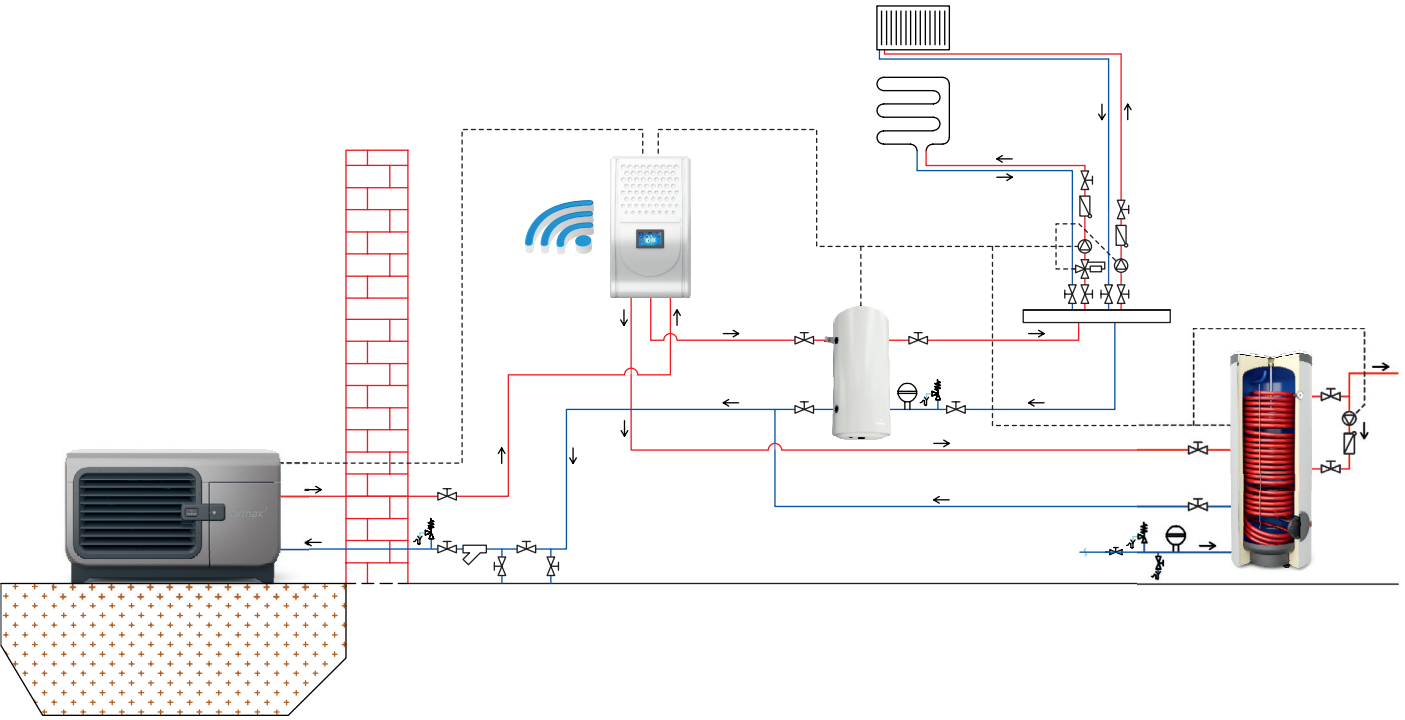
wall-mounted
SG(B) CH buffer

SGW(S) Tower Grand
indirect water heater
with electric heater

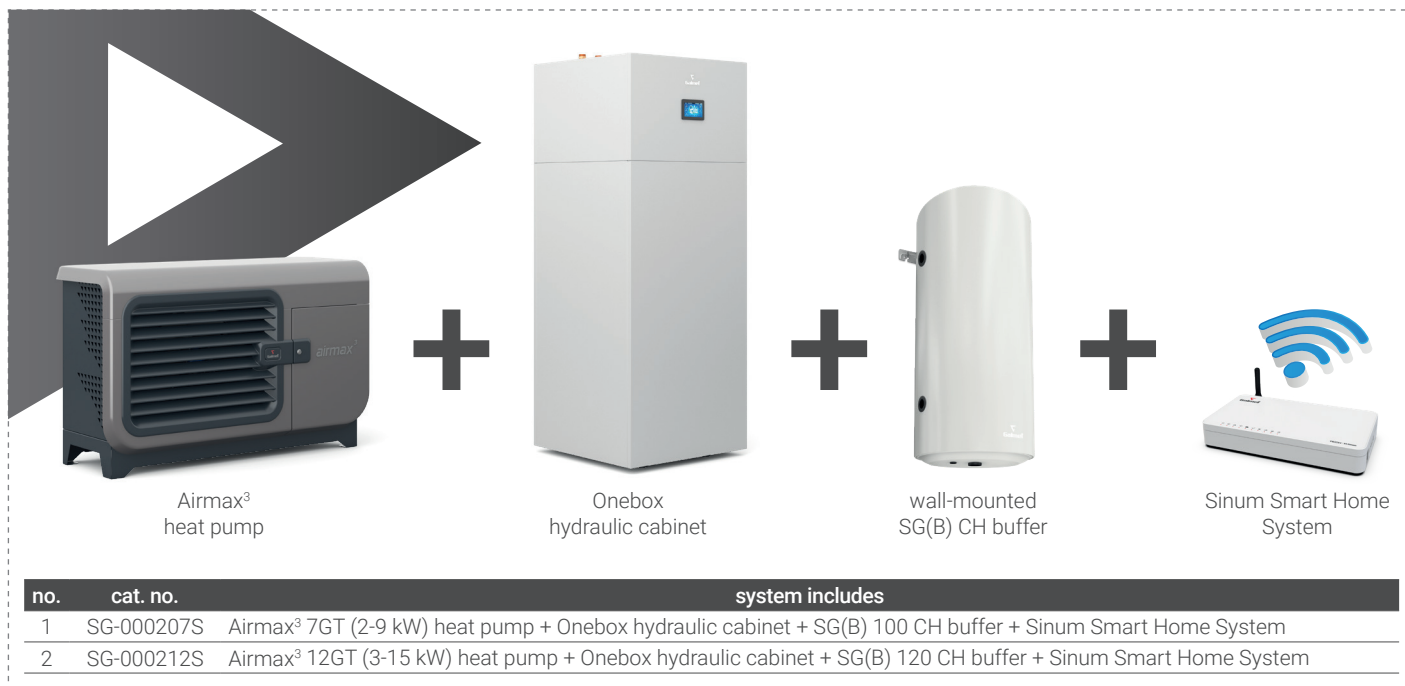
Sinum Smart Home
System

no.	cat. no.	system includes
1	SG-000107S	Airmax ³ 7GT (2-9 kW) heat pump + Gbox module + SG(B) 100 CH buffer + SGW(S) Tower Grand 200 indirect water heater + Sinum Smart Home System
2	SG-000112S	Airmax ³ 12GT (3-15 kW) heat pump + Gbox module + SG(B) 120 CH buffer + SGW(S) Tower Grand 300 indirect water heater + Sinum Smart Home System

Installation diagram - Gbox hydraulic module



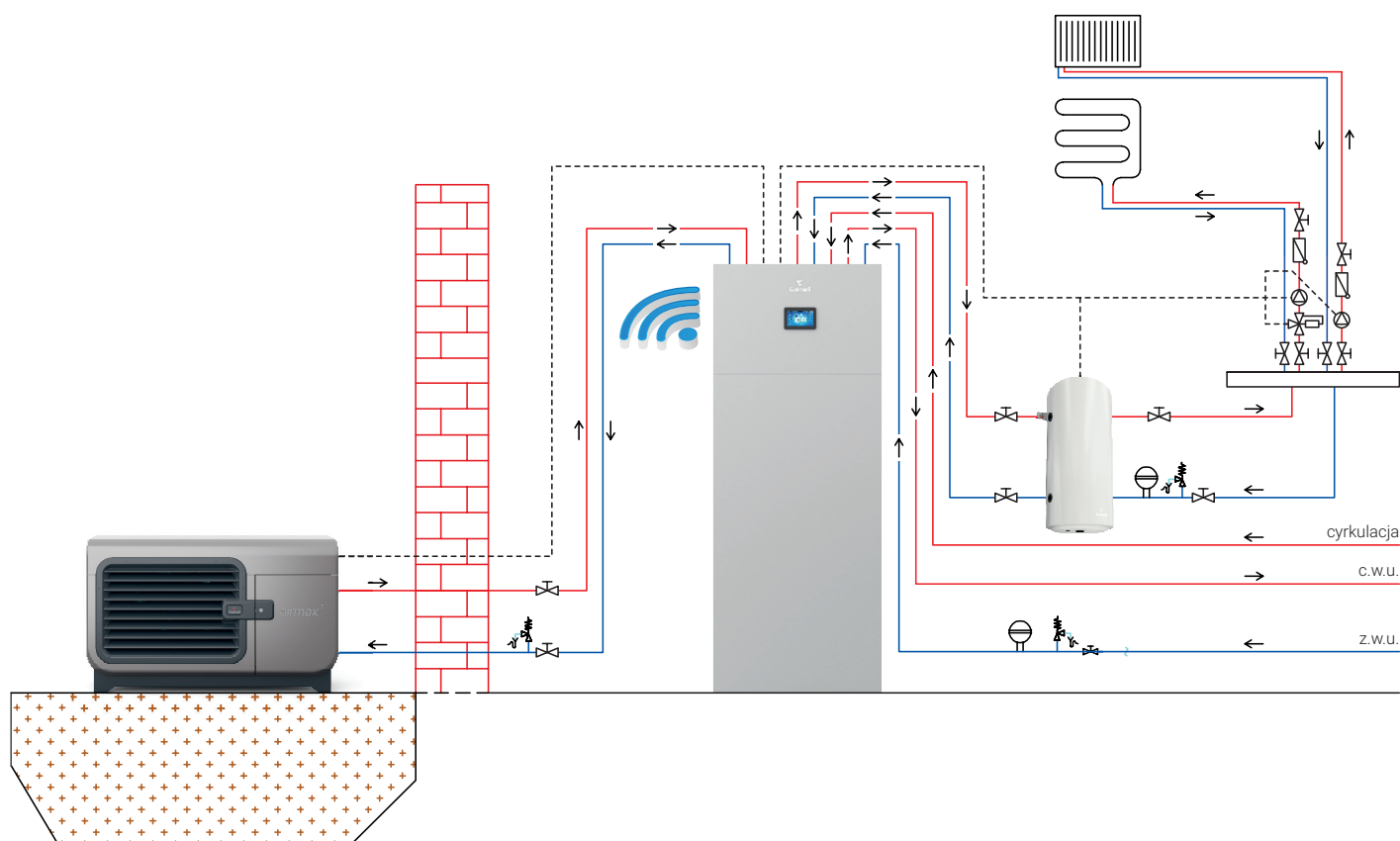
Complete set with Airmax³ (2-15 kW) heat pump, Onebox hydraulic cabinet, CH buffer and Sinum Smart Home System





Airmax³ heat pump + Onebox hydraulic cabinet + wall-mounted SG(B) CH buffer + Sinum Smart Home System

no.	cat. no.	system includes
1	SG-000207S	Airmax ³ 7GT (2-9 kW) heat pump + Onebox hydraulic cabinet + SG(B) 100 CH buffer + Sinum Smart Home System
2	SG-000212S	Airmax ³ 12GT (3-15 kW) heat pump + Onebox hydraulic cabinet + SG(B) 120 CH buffer + Sinum Smart Home System

Installation diagram - Onebox hydraulic cabinet



Technical specification of the Airmax³ heat pump

specification		unit	Airmax ³ 7GT (2-9 kW)	Airmax ³ 12GT (3-15 kW)
heating power modulation range		kW	2 - 9	3 - 15
heating power	A7W35 ¹	kW	4,8	6,1
COP		-	5,0	5,2
heating power	A2W35 ¹	kW	2,9	4,0
COP		-	4,0	4,4
heating power	A7W55 ¹	kW	4,3	5,5
COP		-	3,0	3,3
outdoor air temperature range		°C	-20 ÷ 35	-20 ÷ 35
water outlet temperature range		°C	68	68
central heating's seasonal energy efficiency	moderate climate (W35)	%	176	186
 energy efficiency class		-	A+++	A+++
central heating's seasonal energy efficiency	moderate climate (W55)	%	130	145
 energy efficiency class		-	A++	A++
acoustic pressure ²		dB	40	41
fan		pcs.	1	
power / type of electric heater		kW / -	7 / three-stage flow-through	
compressor		-	inverter spiral	
refrigerant		-	R290	
type of refrigeration system		-	hermetic	
voltage and frequency		V / Hz	230/50	400/50
dimensions (height x width x depth)		mm	910 x 1400 x 520	1110 x 1500 x 580
net / gross weight		kg	110 / 132	150 / 187

¹ According to the EN 14511 norm; A - air temperature; W - heated water temperature range.

² At a distance of 4 meters.



48-100 Głubczyce,
Raciborska 36
tel.: +48 77 403 45 00
fax: +48 77 403 45 99

export dept.: +48 77 403 45 80
export@galmet.com.pl

www.galmet.eu

Distributor