

# HEAT PUMP AIR-WATER





## **A PURE DESIGN**

The Alsavo heat pump, a symbol of ecological innovation and modern comfort, is adorned with a refined and refined aesthetic, thus defining a new era in the world of heating. Its minimalist design, at the crossroads of contemporary aesthetics and functionality, demonstrates a harmonious fusion between advanced technology and elegance.



High efficiency plate heat exchanger



PCB intelligent



Intuitive controller



Reliable inverter compressor



Water flow switch



Brushless DC Fan Motor



Precisely regulated EEV



## THE ALSAVO HEAT PUMP

## INVERBOOST®

The ALSAVO heat pump is equipped with the latest INVERBOOST technology across the entire range. It can operate from 0 to 100% in order to restore the necessary power. Thanks to its analysis of temperature and indoor and outdoor operating conditions, it maximizes its efficiency and your comfort.

Operating mode: The variable speed allows you to optimally regulate its performance in order to heat and reach the desired temperature gently and as quickly as possible.

Reduction of energy during defrosting: INVERBOOST technology reduces energy consumption, while maintaining high efficiency and stability at low temperatures, from -7°C to 7°C.

Antifreeze protection of the exchanger: When the sensors detect a water outlet temperature lower than 3°C and an ambient temperature lower than 8°C, the circulator starts automatically to prevent the water from freezing.



Full inverter technology



Ecological refrigerant R32



Built-in WIFI



Energy efficiency A+++



Walks up to -25°



Design an aluminum

## SMART CONTROLLER

Easy to use visual interface.

Safety lock.

7 day programmer.

Works according to your personal style.

Saves time and energy.

Heating, cooling, DHW and energy.

5 types of modes.





## INTEGRATED WIFI

### Monitoring setting

Equipment monitoring at all times.  
Time setting, no need for multiple settings.



### Comfort

WIFI control from anywhere and anytime, remote start in advance to enjoy the warmth.



## THE TUYA APP



Tuya Smart is an innovative app that revolutionizes the way users interact with their Alsavo heat pump. Designed to simplify smart home management, this app provides a centralized, user-friendly and intuitive platform for controlling and troubleshooting the heat pump.

# ALL IN ONE SOLUTION

By consuming a small amount of electrical energy, the ALSAVO air-water heat pump collects heat from the air and transfers it through water to heat and cool.

A comfort experience adapted to your needs and expectations.



INVERBOOST®

# QUIET OPERATION

Alsavo adopts multiple technology to reduce operating noise, contribute to a harmonious and quiet environment.

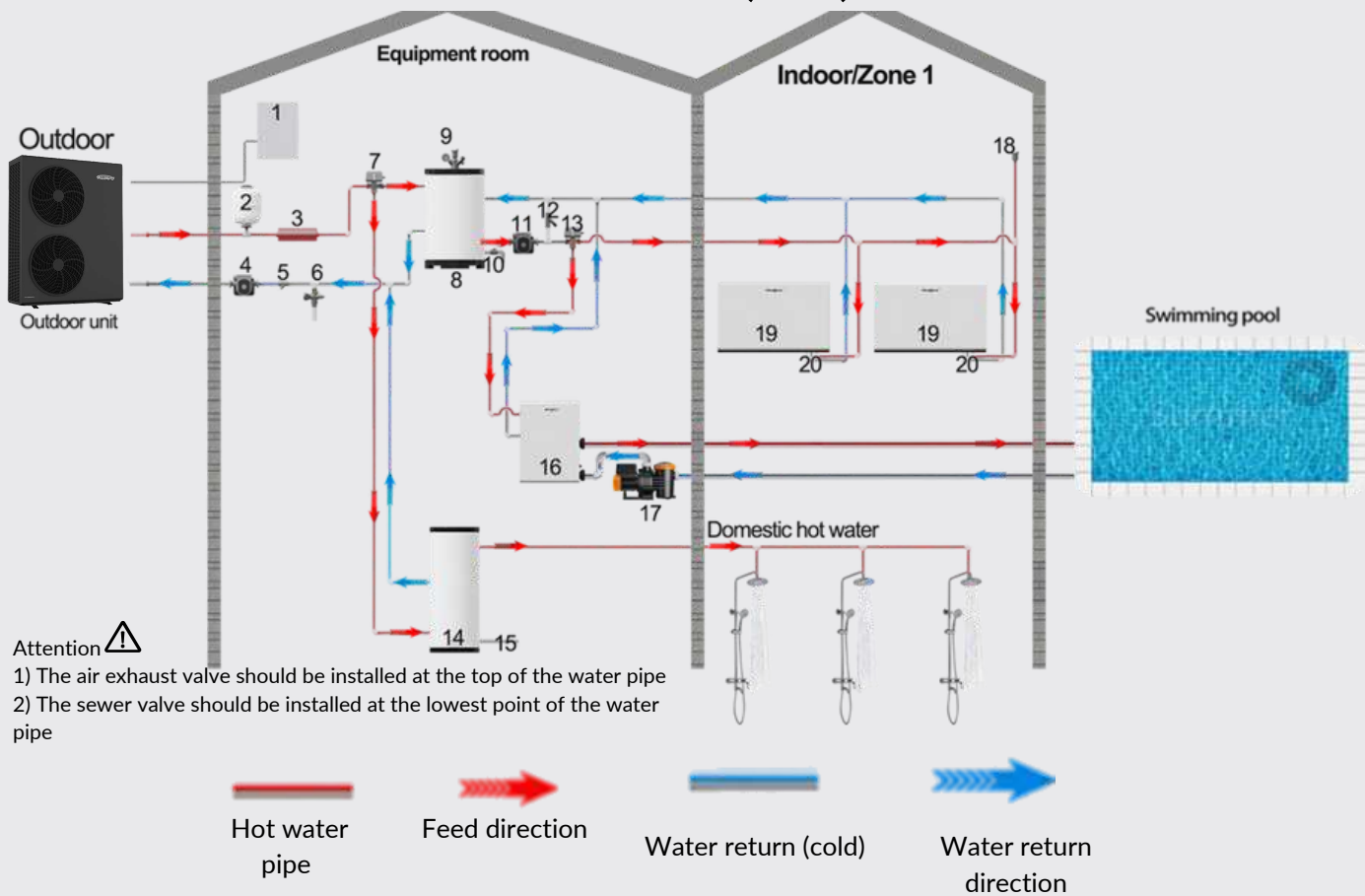


# FAN CONVECTORS

Fan coils are ingenious devices used for heating and cooling indoor spaces. Their intelligent design combines air circulation with heating or cooling elements, providing a versatile solution for maintaining a comfortable room temperature.



## CONNECTION DIAGRAM OF HOT WATER PIPING FOR DOUBLE HEATING + DOUBLE ZONE WATER PUMPS (POOL)

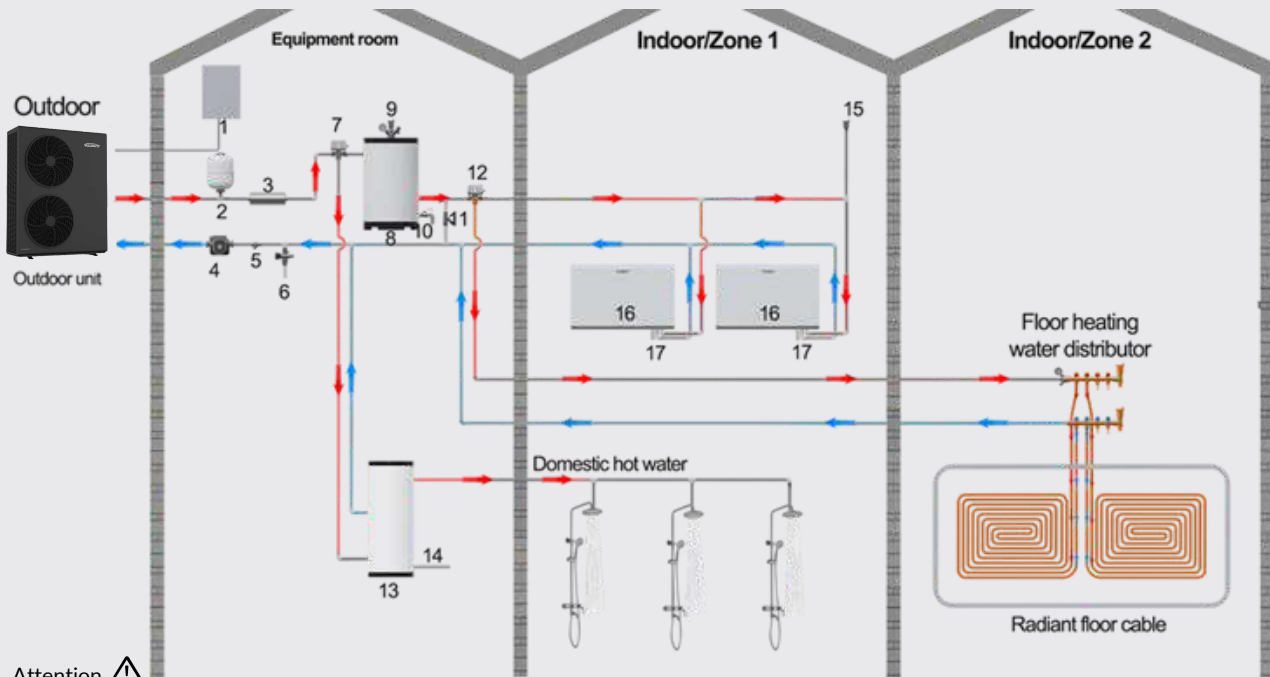


- 1) Electrical box
- 2) Vase d'expansion
- 3) Auxiliary heating
- 4) Circulator
- 5) Filter
- 6) Automatic filling valve
- 7) 3-way valve
- 8) Ballon tampon
- 9) Safety device (Air vent valve + pressure gauge + pressure relief valve set)
- 10) Drain outlet
- 11) Water circulation pump
- 12) Differential pressure bypass valve
- 13) 3-way solenoid valve
- 14) Domestic hot water tank
- 15) Filling town water
- 16) Heat exchanger for swimming pool
- 17) Filtration pump
- 18) Air vent (automatic)
- 19) Radiator and fan coil
- 20) Condensate drain pipe



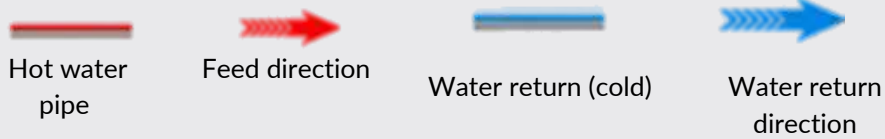


## CONNECTION DIAGRAM OF HOT WATER PIPING + HEATING BY DOUBLE WATER PUMP + DOUBLE ZONE (FLOOR HEATING)



Attention ⚠

- 1) The air exhaust valve should be installed at the top of the water pipe
- 2) The sewer valve should be installed at the lowest point of the water pipe



- 1) Electrical box
- 2) Vase d'expansion
- 3) Auxiliary heating
- 4) Circulator
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- 18) Radiator and fan coil
- 19) Condensate drain pipe

# TECHNICAL DATAS

Modèle Alsavo			ALSAVO HEAT 07i	ALSAVO HEAT 10i	ALSAVO HEAT 12i*	ALSAVO HEAT 16i*	ALSAVO HEAT 12iT*	ALSAVO HEAT 16iT*
Suggested heating zone		m2	72-105	116-145	170-280	186-235	170-280	186-235
Suggested buffer tank			60L	60L	60L/80L	80L/100L	60L/80L	80L/100L
Pool side at Air 15°C, Water 30/35°C	Heating capacity	kW	8,10	13,90	16,10	23,80	16,00	24,20
	Power supply	kW	1,62	2,78	3,22	4,76	3,20	4,84
	COP		5,00	5,00	5,00	5,00	5,00	5,00
Air heating -7°C, Water 30/35°C	Heating capacity	kW	3,96	6,47	7,67	10,66	7,48	10,66
	Power supply	kW	1,25	2,10	2,37	3,46	2,36	3,42
	COP		3,17	3,09	3,23	3,08	3,17	3,12
Air heating -7°C, Water 50/55°C	Heating capacity	kW	3,67	6,79	7,57	11,03	7,42	10,84
	Power supply	kW	1,71	3,06	3,38	5,66	3,67	5,40
	COP		2,14	2,22	2,24	1,95	2,02	2,01
Air heating 7°C, Water 30/35°C	Heating capacity	kW	1,80	2,79	3,33	4,34	3,04	4,25
	Power supply	kW	0,31	0,42	0,57	0,78	0,49	0,72
	COP		5,87	6,72	5,85	5,56	6,17	5,91
Air heating 7°C, Water 50/55°C	Heating capacity	kW	1,63	2,88	3,31	4,49	3,31	4,25
	Power supply	kW	0,39	0,61	0,78	1,11	0,76	1,02
	COP		4,15	4,69	4,23	4,06	4,34	4,17

## General data

Compressor type	Inverter Compressor						
Power supply	IN	220-240V/50Hz/1PH				380-415V/50Hz/3PH	
Rated heating capacity	kW	7	10	12	16	12	16
Maximum absorbed power	kW	3,34	3,89	5,43	6,51	5,43	6,37
Courant nominal	A	14,0	16,0	23,0	26,0	12,0	12,0
Minimum fuse current	A	17,0	20,0	28,0	32,0	15,0	15,0
Suggested water flow	m3/h	1,2	1,7	2,1	2,8	2,1	2,8
Water connection		G1"	G1"	G1"	G1"	G1"	G1"
Heat exchanger	Plate heat exchanger						
Net weight	kg	70	76	99	107	99	107
Gross weight	kg	86	92	117	125	117	125
Net dimension	mm	1076*456*860	1076*456*860	1052*453*1260	1052*453*1260	1052*453*1260	1052*453*1260
Packaging dimensions	mm	1140*536*1005	1140*536*1005	1110*533*1405	1110*533*1405	1110*533*1405	1110*533*1405

\*Double ventilation models



# TECHNICAL DATAS



Model		ZFC020	ZFC030
Power source	V/Ph/Hz	220-240/1/50	220-240/1/50
Air flow (H)	m <sup>3</sup> /hour	330	500
Air flow (M)	m <sup>3</sup> /hour	230	360
Air flow (L)	m <sup>3</sup> /hour	130	210
<b>Heating performance : Ambiente Temp. (DB/WB) : 20 °C, Water Temp. in/out : 45/40°C</b>			
Heating capacity	kW	1,95	2,86
<b>Heating performance : Ambiente Temp. (DB/WB) : 20 °C, Water Temp; in/out : 55/50°C</b>			
Heating capacity	kW	2,86	4,15
<b>Cooling performance : Ambiente Temp. (DB/WB) : 27 °C/19 °C, Water Temp. in/out : 7°C/12°C</b>			
Cooling capacity	kW	1,62	2,64
Power input (H)	DANS	36	56
Fan motor	Type	DC fan motor	
Fan	Type	Cross-flow fan	
Échangeur de chaleur	Type	Aluminum fin in copper tube	
Water flow	m <sup>3</sup> /hour	1	1
Water pressure drop	Kpa	30	40
Noise level at 1m(L)	dB(A)	30	32
Water inlet/outlet pipe	inch	G3/4	G3/4
Drain pipe	mm	16	16
Net weight	kg	15,5	19,5
Gross weight	kg	17,4	22
Dimension	mm	1030*145*573	1285*145*573
Box dimensions	mm	1070*190*613	1325*190*613

\*The above data is only a reference. Please refer to the nameplate on the unit.

\*H: High fan speed; M: Medium fan speed; L: Low fan speed.

## TECHNICAL DATA

Model	WX-17	WX-25
POWER SOURCE	220-240 V/single phase/50 Hz	
NOMINAL INPUT POWER	12W	
Water supply on heat pump side 35°C, water inlet/outlet on pool side 26°C/28°C		
HEAT EXCHANGE CAPACITY (KW)	13,6	25,5
WATER FLOW ON HEAT PUMP SIDE (m3/h)	2,85	4
RECOMMENDED HEAT PUMP	XAH07Csi32	XAH12Csi32
	XAH10Csi32	XAH16Csi32
UNIT DIMENSIONS	445*350*845	445*350*1006
NET WEIGHT / KG	30	40



## TECHNICAL DATA

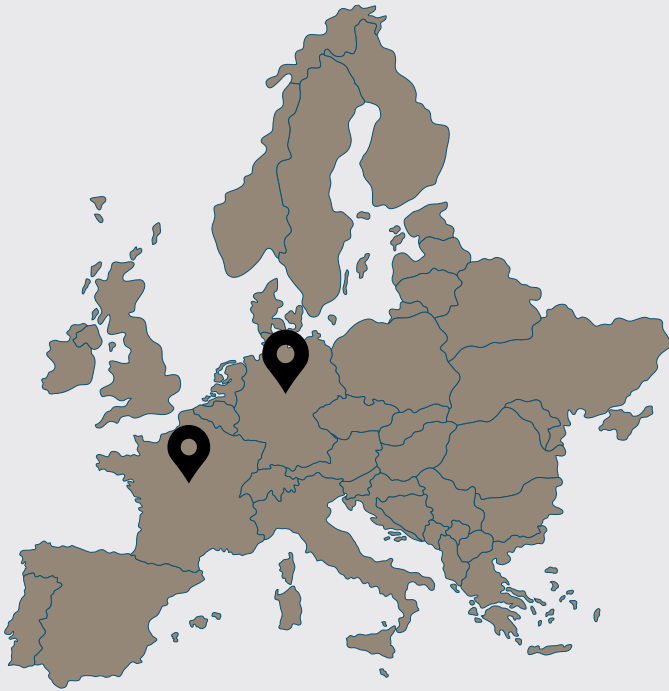
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## FRANCE AND GERMANY BRANCHES

The ALSAVO France and Germany centers, which are our support points in Europe, offer on-site technical training and rapid after-sales service to our customers.

With innovative technology, rigorous quality control, reliable design and after-sales service. Alsavo hopes to be your long-term partner.



After sales service

Product exhibition



Support technique

Storage of spare parts

