ES V8 Air/Water heat pumps

AWH–R32-S 6, 9 & 12 kW Split Series

Economic and effective air-to-water heat pump, designed for a Nordic climate

- 6, 9 and 12 kW heating capacity
- A+++ heating efficiency
- User-friendly touch display
- Internet connectivity, monitor your heating through your mobile
- Two different temperature zones
- Automatic restart in case of power failure
- Operates in conditions down to -30°C
- Short payback time
- Low noise outdoor unit
- Split system, no antifreeze protection is required

User-friendly touch screen interface
The interface enables quick adjustment of all temperature settings directly from the front page. The software also supports variable temperature settings (curve) for both heating and cooling.

5 years COMPRESSOR WARRANTY

A+++

<dB Low noise

R32 ECO FRIENDLY REFRIGERANT

CONTROL VIA INTERNET

ES ENERGY SAVE

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ES Air/Water heat pumps split AWH-R32-S- series converts energy from the outdoor air to heat and domestic hot water. By utilizing the energy from outdoor air, you can reduce your energy bills in an eco-friendly way, and at the same time creating the perfect level of comfort for your home. AWH-R32-S Hydrobox is designed to supplement an existing heat source where you keep the original heat source as back up or peak load and will typically reduce your heating consumption from 60-80%. The indoor unit has a stylish design to fit into a modern home, and its small dimensions makes location easy. Designed to provide maximum energy savings and quiet operation. By using components from leading suppliers (see table) and smart control, great energy savings and quiet operation are made possible. All AW-R32-S series are rated A+++ when used in low temperature applications and A++ in high temperature applications.

Control system

The unit is a “docking” solution that easily can dock to all known heating systems buffer where it can either act as a master heating or slave of other controllers. It has automatic heating/cooling/hot water control that can switch operation mode and control diverting valves, 3 back up heating devices and 2 temperature zones. A power full class A water pump that can run most villa heating systems or secure enough flow to your buffer tank. Weather compensated water temperature setting combined with internal room sensor provides you with all needed temperature control suitable for most buildings.

Increase your savings

The control system automatically changes between operation mode based on your settings and are adapted to the hourly variation of electricity cost. You can optimize the running based on your household logistics, like store more hot water when electricity prices are low, lower the temperature when no one are home in different periods every day, 7 days a week. Set a specific time for weekly sanitization of external hot water tank, etc. It is also preserved for utility operation from your network provider, that can control the heat pump and balance the available power in the network.

Split system enables the advantage that no water is lead outside the house, and special antifreeze protection that drains efficiency is not required. Important in areas where the power network is more exposed to though weather conditions and fails. Slim refrigerant pipes are easier to route and cover. The automatic and self-learning defrost function, combined with the nanocoated evaporator, reduces defrosting time to a minimum and increases the efficiency. Different heating systems require different temperatures, e.g. floor heating and radiators. AWH-R32-S have the possibility to set two heating curves if you have two different heating systems in your home. If the temperature drops, the heat pump automatically increases the water temperature to compensate for higher heat loss in the building. If additional power is required, the integrated control system can control 3 different heating sources that starts after the priority you chose.

	Unit	AWH6 – R32-S-V8	AWH9 – R32-S-V8	AWH12 – R32-S-V8
Article number (indoor/outdoor unit)		120334/120324	120334/120325	120334/120326
ErP Energy efficiency class		A+++ / A++	A+++ / A++	A+++ / A++
SCOP 35°C (floor heating) EN 14825		4,74	4,73	4,71
HEATING MODE (A7/W35)				
Heating capacity*	kW	3,50 – 6,50	4,30 – 9,20	5,50 – 11,60
COP max - Coefficient of Performance*	W/W	4,70	4,71	4,90
Rated input power*	kW	0,75 – 1,41	0,92 – 2,10	1,10 – 2,68
Max. temperature of heating water	°C		58	
Operating range heating	°C		-30 to +45	
COOLING MODE				
Cooling capacity**	kW	6,22 – 7,45	6,70 – 9,50	7,00 – 9,80
EER max – Energy Efficiency Ratio**		4,45	4,60	3,80
Min. temperature of cooling water	°C		7	
Operating range cooling	°C		+8 to +65	
POWER SUPPLY – SPECIFICATIONS				
Outdoor unit	V/ph/fuse	230V / 1-ph / 10A/C	230V / 1-ph / 16A/C	
Indoor unit or (indoor + outdoor unit)	V/ph/fuse	230V / 1-ph / 6A/C or (230V / 1-ph / 16A/C)		
REFRIGERANT SPECIFICATION				
Type / Mass of refrigerant	kg	R32 / 0,90	R32 / 1,40	R32 / 1,80
Type of connection between indoor-outdoor unit			Refrigerant flare connection	
Dimensions of refrigerant pipes connectors		¼”-1/2”	3/8”-1/2”	3/8”-5/8”
SOUND POWER AND SOUND PRESSURE LEVEL				
Sound power level LwA - Indoor unit	dB(A)	44	45	45
Sound power level LwA - Outdoor unit***	dB(A)	52	53	52
NET DIMENSIONS				
Indoor unit (WxDxH)	mm		410 × 260 × 700	
Outdoor unit (WxDxH)	mm	1 025 × 397 × 750	1 207 × 412 × 900	1 207 × 412 × 900
NET WEIGHT				
Indoor unit / Outdoor unit	kg	31 / 83,5	31 / 90	31 / 93,5

* Measured according to standard EN 14511. Heating condition: water inlet/outlet temperature 30°C/35°C, ambient temperature DB/WB 7°C/6°C. ** Measured according to standard EN 14511. Cooling condition: water inlet/outlet temperature 18°C and ambient temperature 35°C. *** Measured according to standard EN 12102.

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