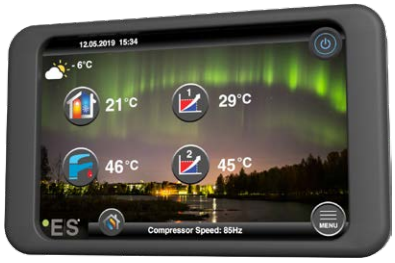
ES V8 Air/Water Heat Pumps

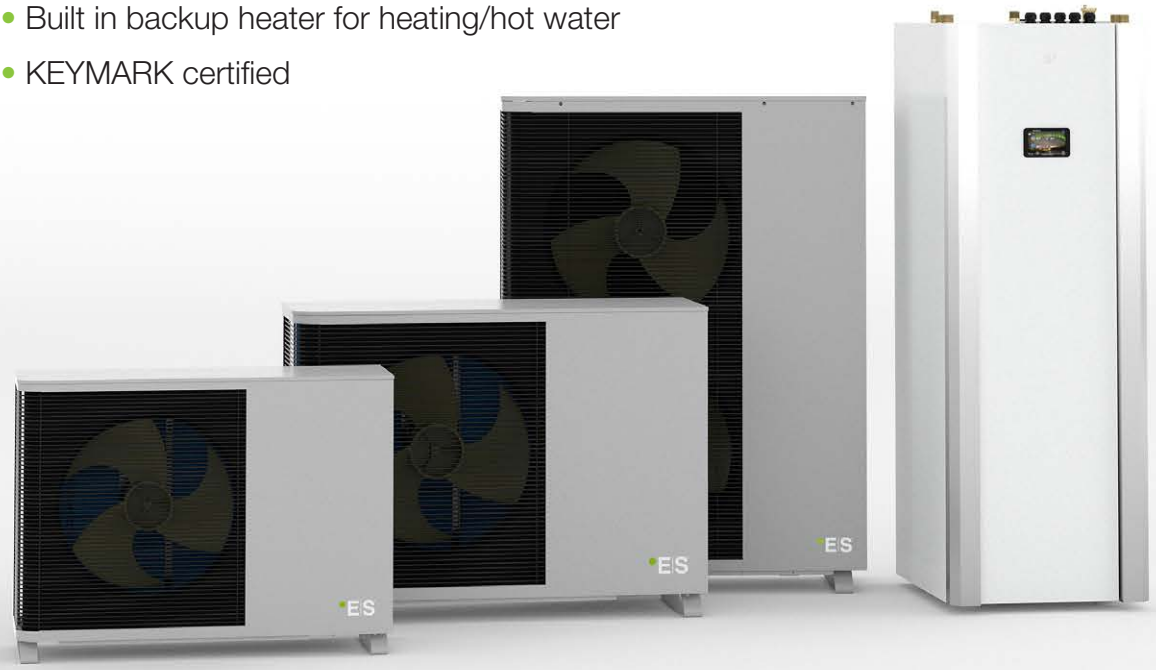
AWST-R32-M 6, 9, 12 & 15 kW Monobloc Series

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

- 6, 9, 12 and 15 kW heating capacity
- 250-liter domestic hot water storage tank
- 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
- Anti-freeze protection device
- Monobloc, no F-gas certification required
- Built in backup heater for heating/hot water
- KEYMARK certified



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

KEYMARK certificate

ES ENERGY SAVE

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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. AWST-R32-M is designed to replace or supplement an existing heat source or for new installations and will typically reduce your energy consumption from 60–80 %. The indoor unit has a stylish design to fit into a modern home. All connections are easily accessible at the top of the unit. Provides maximum energy savings and quiet operation. All AW-R32-M series are rated A+++ when used in low temperature systems and A++ in high temperature systems.

Control system

The unit is a complete heating/cooling/hot water central within 60x65 cm floor area. The built-in 250 liter tank provides enough hot water for most households. Large tap profile and high efficiency reduces the cost of a shower by 60–70 %. It has safety valve kit, 11 liter expansion, power full class A water pump that can run most villa heating systems, thermostatic hot water mixing valve. 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. 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. 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.

Simple and cost-effective installation

A monobloc system has a closed refrigerant circuit and a heat exchanger. The outdoor unit can be connected directly to the heating system – no refrigeration technicians needed during installation. 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. AWST-R32-M 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 changes the operating status and starts the production of hot water. If additional power is required, the integrated electric heaters will be used as back-up.

	Unit	AWST6 – R32M	AWST9 – R32M	AWST12 – R32M	AWST15 – R32M
Article number (indoor/outdoor unit)!		120316/120317	120316/120318	-120316/120319	120316/120320
ErP Energy efficiency class		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
SCOP 35°C (floor heating) EN 14825		4.74	4.73	4.71	4.98
Tap water profile		L/A+			
HEATING MODE (A7/W35)					
Heating capacity*	kW	3.50 – 6.50	4.30 – 9.20	5.50 – 11.60	6.00 – 15.30
COP max - Coefficient of Performance*	W/W	4.70	4.71	4.90	5.06
Rated input power*	kW	0.75 – 1.41	0.92 – 2.10	1.10 – 2.68	1.22 – 3.20
Max. temperature of heating water	°C	58			
Operating range heating	°C	-30 to +45			
DHW TANK					
Type		SUS316 Steel, DHW storage type			
Volume	l	250			
COOLING MODE					
Cooling capacity**	kW	6.22 – 7.45	6.70 – 9.50	7.00 – 9.80	7.20 – 18.50
EER max – Energy Efficiency Ratio**		4.45	4.60	3.80	5.42
Min. temperature of cooling water	°C	7			
Operating range cooling	°C	0 to +65			
POWER SUPPLY – SPECIFICATIONS					
Outdoor unit	V/ph/fuse	230V / 1-ph / 10A/C	230V / 1-ph / 16A/C		400V / 3-ph / 16A/C
Indoor unit + electric flow heater	V/ph/fuse	230V / 3-ph / 25A/C or 400V / 3-ph / 16A/C			
Anti freeze protection outdoor	V/ph/fuse	230V / 1-ph / 6A/C			
REFRIGERANT SPECIFICATION					
Type / Mass of refrigerant	kg	R32 / 0.90	R32 / 1.40	R32 / 1.80	R32 / 2.55
Type of connection between indoor-outdoor unit		Hydraulic connection			
Dimensions of refrigerant pipes connectors		G1"			G1-1/4"
SOUND POWER AND SOUND PRESSURE LEVEL					
Sound power level LwA - Indoor unit	dB(A)	44	45	45	45
Sound power level LwA - Outdoor unit***	dB(A)	52	53	52	58
NET DIMENSIONS					
Indoor unit (WxDxH)	mm	600 × 707 × 1 720			
Outdoor unit (WxDxH)	mm	1 025 × 397 × 750	1 207 × 412 × 900	1 207 × 412 × 900	1 106 × 416 × 1 498
NET WEIGHT					
Indoor unit / Outdoor unit	kg	108 / 79.5	108 / 98.5	108 / 105	108 / 157

! It is mandatory for articles 120316, 120329 and 120335 to be installed with an electric anode (art. 120800) to ensure corrosion protection in markets where the water requirements are difficult to achieve.
* 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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