

ES AWH V6 Air/Water heat pumps

AWH V6 – 6, 9, 11 & 13 kW

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

- User-friendly touch display
- Control your heat pump locally, thru your smartphone or computer
- Possibility of using two heating curves
- Automatic restart in case of a power failure
- 6, 9, 11 and 13 kW heating power
- Operates in conditions down to -25°C
- Low investment – short payback time
- Nano-coated evaporator
- Dockable solution



ES V6 air-to-water heat pumps

AWH V6 – 6, 9, 11 och 13 kW

AWH V6 converts the energy from the outdoor air to heat and domestic hot water to your home.

By utilising 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 V6 is designed to replace or supplement an existing heat source or for new installations. The indoor unit has a stylish design to fit into a modern home. All connections are easily accessible at the top of the unit.

The AWH V6 is designed to provide maximum energy savings and quiet operation

By using components from leading suppliers (see table below) and smart control, great energy savings and quiet operation are made possible. AWH V6 is rated A++/+++.

For a Nordic climate

AWH V6 is a split system which means that the heat exchange with the buildings heating system takes place indoors and only the refrigerant circulates outdoors. This is an effective and reliable solution in a cold climate. The automatic and self-learning defrost function, combined with the nano-coated outdoor unit reduces defrosting to a minimum.

Control your heating system

AWH V6 can be controlled locally, via thru smartphone or computer. Make all the necessary settings for an efficient, trouble-free operation with the new user-friendly touch display. Even when you are not at home you have full control of your heating system thru your smartphone or computer.

Two heating curves

AWH V6 uses a heat curve to provide a con-

stant indoor temperature, regardless of the outdoor temperature. When the outdoor temperature drops, the heat pump raises the temperature of the water to the heating system and vice versa when the outdoor temperature rises. Different heating systems require different temperatures, eg floor heating and radiators. AWH V6 have the possibility to set two heating curves if you have two different heating systems in your home. With two heating curves the possibilities to save even more energy is possible and, in some cases, costs on components that would otherwise have to be installed in the system.

Upgrade your system with AWH V6

All, correct dimensioned, heat pump systems need back up during the coldest days. AWH V6 is designed to operate together with all kinds of heating systems. If your existing boiler works – keep it as back up.

		AWH 6kW-V6	AWH 9kW-V6	AWH 11kW-V6	AWH 13kW-V6	
Min/max heating capacity (1)	kW	2.19 / 6.21	4.33 / 10.10	4.67 / 11.5	4.2 / 12.6	
EHeating power input min/max (1)	W	540 / 1530	975 / 2153	915 / 3029	926 / 3072	
C.O.P min/max (1)	W/W	4.05 / 5.87	4.02 / 4.65	3.82 / 5.05	3.89 / 4.77	
Min/max heating capacity (2)	kW	2.05 / 5.8	4.19 / 9.53	4.14 / 10.7	3.76 / 11.5	
Heating power input min/max (2)		640 / 1810	1230 / 2990	1218 / 3624	1267 / 3723	
C.O.P min/max (2)	W/W	3.22 / 4.12	3.12 / 3.55	2.95 / 3.56	2.97 / 3.28	
SCOP - Average climate, low temperature	W	4,47	3,99	3,92	3,9	
Energy class		A+++	A++	A++	A++	
Defrost upon demand		Yes	Yes	Yes	Yes	
Heating cable for defrosting		Yes	Yes	Yes	Yes	
Compressor pre-heat		Yes	Yes	Yes	Yes	
Electronic expansion valve		Yes	Yes	Yes	Yes	
ErP approved circulation pump		Yes, Grundfos	Yes, Grundfos	Yes, Grundfos	Yes, Grundfos	
Compressor		Mitsubishi	Panasonic			
Fan	Manufacturer		Nidec			
	Quantity	pcs	1	1	1	2
	Airflow	m³/h	2700	3000	3100	4200
	Rated power	W	65	76	76	150
Sound pressure level	Indoor/outdoor	dB (A)	35 / 52	35 / 56	30 / 56	30 / 59
Plate heat exchanger	Manufacturer		GEA		SWEP	
	Water press. drop	kPa	20	23	23	26
	Piping connection	Inch	G1"			
Allowable water flow	Min/rated/Max	L/S	0,19 / 0,29 / 0,33	0,24 / 0,395 / 0,48	0,31 / 0,52 / 0,62	0,37 / 0,61 / 0,73
Residual current device and overvoltage protection			Required			
Power supply, grounded	V / Hz / A	L/S	230V / 50Hz / 16A			
Refrigerant			R410a			
Dimensions (L x D x H)	Outdoor unit	mm	934 x 354 x 753		1044 x 414 x 763	1124 x 460 x 1195
	Indoor unit	mm	380 x 273 x 580			
Nettovikt	Outdoor unit	kg	62,5	62,5	65	112
	Indoor unit	kg	45			
Articel number package			130096	130097	130098	130099
Article number indoor/outdoor			120242/120243	120248/120252	120248/120253	120249/120254

(1) Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6 °C

(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6 °C

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