

ES V6 Air/Water heat pumps

AWT V6 – 6, 9, 11 and 13 kW, split

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

- User-friendly touch display
- Built in WiFi, enables control and monitoring the heat pump from computer or mobile phone
- 2 different temperature zone setting
- 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



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Converts energy from the outdoor air to heat and domestic hot water

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. AWT V6 is designed to replace 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.

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 AWT-V6 series are rated A++/+++.

Designed for a Nordic climate

AWT V6 is a split system which means that the heat exchange with the buildings heat-

ing 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 evaporator, reduces defrosting time to a minimum and increases the efficiency.

Control your heating system

AWT V6 can be controlled locally or remotely 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

AWT V6 uses a heat curve to provide a constant indoor temperature, regardless of the outdoor temperature. When the outdoor temperature drops, the heat pump raises the tem-

perature 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. AWT V6 have the possibility to set two heating curves if you have two different heating systems (zones) 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.

250 liters hot water tank

The integrated tank for domestic hot water heating is 250 liters and heated by the heat pump. 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.

		AWT 6kW-V6 S	AWT 9kW-V6 S	AWT 11kW-V6 S	AWT 13kW-V6 S	
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)	W	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	0,26 / 0,43 / 0,51	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		3x400V / 50Hz / 16A			
Electric heater, domestic hot water	kW	0,5	0,5	0,5	0,5	
Electric heater, heating system (emergency operation)	kW	2x3 (9)	2x3 (9)	2x3 (9)	2x3 (9)	
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	600 x 675 x 1720			
Net weight	Outdoor unit	kg	62,5	62,5	65	112
	Indoor unit	kg	130			
Articel number package		130100	130101	130102	130112	
Article number indoor/outdoor		120250/120243	120247/120252	120247/120253	120251/120254	

(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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