

EDGE PRO



WiSAN-PMP 1 S 2.1-8.1

Air-to-water packaged unit heat pump
for heating, cooling and domestic hot water production



reddot winner 2025



Capacity ranging from 4 to 16 kW
Air temperature range from -25 °C to +46 °C
COP > 5

- Power without the noise: class-leading quietness
- Functional, winning design: winner of IF Design Award 2025 and Red Dot Design Award 2025
- Renovation is easy: flow temperature up to 80°C ideal for any distribution system
- Advanced management: control up to 6 units in cascade with new advanced functions
- Reliability and safety guaranteed by new standard components
- Advanced connectivity: management via dedicated App or via Modbus port with CONTROL4 NRG included as standard

New silence level

These heat pumps are also a valid answer for those installations where a high level of silence is required, guaranteed by the special design of the fans and the two silent operating modes. In addition, in EDGE PRO, the compressor is positioned inside a 'silent box' composed of several layers of sound-absorbing material specially designed to reduce compressor noise by up to -25 dB(A).

Accessories

HMINX	KJRH-120L control black	DI50-2X	Safety antifreeze valve for system
HMIX	KJRH-120L control white	DI100-2X	100 litre hydraulic circuit breaker
IBHX	Electric back-up heater (single phase)	KCSX	Secondary circuit kit (1-litre hydraulic circuit breaker + pump)
IBHTX	Electric back-up heater (three-phase)	KIRE2HX	Double zone distribution unit: direct + direct
3DHWX	System/DHW 3-way switching valve (SV1)	KIRE2HLX	Double zone distribution unit: direct + mixed (with mixing valve)
ACS200X	200-litre DHW boiler	DTX	Drain pan with electric heater
ACS300X	300-litre DHW boiler	T1BX	DHW temperature probe and additional heating source at 10 m
ACS500X	500-litre DHW boiler	T1B30X	DHW temperature probe and additional heating source at 30 m
QERAX	Connection kit for single-phase heater on DHW storage tank (for ACS200/300/500X)	AMRX	Kit of antivibration mounts for floor installation
SCS08X	Solar coil for ACS200X/ACS300X DHW boilers	ASTFX	Kit of antivibration mounts for installation on wall brackets, inertial storage tank or tray
SCS12X	Solar coil for ACS500X DHW boilers	KSIPX	Wall fixing bracket kit
FDMX	Magnetic dirt separator filter for water distribution systems	HTC2WX	HID-TConnect 2 white chronothermostat for temperature control
TANKSX	50-Litres system inertial storage tank	SWCX	IoT SwitchConnect receiver / switch
TANKMX	75-Litres system inertial storage tank		
TANKLX	100-Litres system inertial storage tank		
KTCAX	Hose kit for connecting the unit to the inertial storage tank		
VAGX	Valvola antigelo di sicurezza per impianto		

Technical data - Heating

Size		2.1	3.1	4.1 / 4.1T	5.1 / 5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Air 7°C - Water 35°C								
Rated heating capacity	1 kW	4.1	6.1	8	9.5	12.1	14	15.5
Total power input	1 kW	0.77	1.21	1.52	1.92	2.44	2.98	3.44
COP	1 -	5.3	5.03	5.25	4.95	4.95	4.7	4.5
Air -7°C - Water 35°C								
Rated heating capacity	2 kW	4.1	6	7	8	10	12	13.1
Total power input	2 kW	1.26	1.98	2.15	2.54	3.17	4.29	4.85
COP	2 -	3.25	3.03	3.25	3.15	3.15	2.8	2.7
Air 7°C - Water 55°C								
Rated heating capacity	3 kW	4.6	6.2	8	9.5	11.9	13.8	16
Total power input	3 kW	1.38	1.92	2.39	2.97	3.66	4.38	5.25
COP	3 -	3.33	3.23	3.35	3.2	3.25	3.15	3.05

Data according to EN 14511:2022.

1. inlet/outlet water temperature 30/35 °C, outdoor air temperature 7 °C dry bulb / 6 °C wet bulb
2. inlet/outlet water temperature 30/35 °C, outdoor air temperature -7°C dry bulb / -8°C wet bulb
3. inlet/outlet water temperature 47/55 °C, outdoor air temperature 7°C dry bulb / 6°C wet bulb

Technical data - Cooling

Size		2.1	3.1	4.1 / 4.1T	5.1 / 5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Air 35°C - Water 18°C								
Rated cooling capacity	1 kW	4.50	6.50	8.30	10.0	12	14	15
Total power input	1 kW	0.80	1.18	1.58	2.17	2.61	3.18	3.53
EER	1 -	5.65	5.51	5.25	4.60	4.6	4.4	4.25

Data according to EN 14511:2022.

1. inlet/outlet water temperature 23/18 °C, outdoor air temperature 35°C dry bulb/ 27°C wet bulb

ErP

Size		2.1	3.1	4.1 / 4.1T	5.1 / 5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Average climatic conditions - Heat pump for Average temperature application								
SCOP	1 -	3.84	3.92	4.06	4.01	3.96	3.85	3.86
Generator energy class	1 -	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Average climatic conditions - Heat pump for Low temperature application								
SCOP	2 -	5.10	5.00	5.35	5.33	4.94	4.76	4.72
Generator energy class	2 -	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Average climatic conditions - Heat pump for application with Fan coil								
SEER	3 -	5.23	5.32	5.61	5.53	4.99	4.97	4.98

The product is conforming with the European ErP Directives, which includes Commission Delegated Regulation (EU) no. 811/2018 and Commission Delegated Regulation no. 813/2018 of the Commission

Data according to EN 14825

1. Clima Average, Medium temperature 47/55°C
2. Clima Average, Low temperature 30/35°C
3. Clima Average, Low temperature 12/7°C

Sound levels

Size		2.1	3.1	4.1 / 4.1T	5.1 / 5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T	
Sound power	Heating ErP (Part load C)	dB(A)	46	46	47	47	48	48	48
	Nominal heating	dB(A)	48	49	50	52	52	55	56