

EDGE F

WiSAN-PME 1 S 2.1÷8.1

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

ENERGY SAVING



Solar integration
(optional - DHW tank)



Cascade



Smart Grid
ready



€ Switch

COMFORT



Hot
Cold



DHW



Silent

RELIABILITY



Backup heater
(optional)



025



ProdottiQualità
CasaClima

HEALTH



Renewable Energy
(Full electric
version)



Refrigerant
ecological

CONVENIENCE



Weekley Timer



Contemporaneity
(Hybrid Version)



Instant DHW
(Hybrid Version)

MANAGEMENT AND CONNECTIVITY



Input
ON/OFF



User interface/
thermostat



Port
Modbus



Control
via App



management
Control4 NRG



Clivet Eye
monitoring



Energy
metering

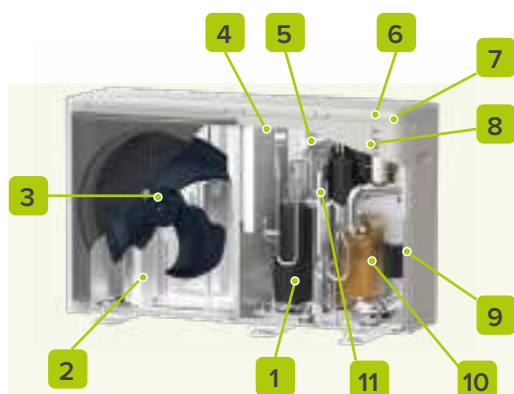


- ✓ R-290 technology: combines high performance with full respect for the environment
- ✓ Versatile: wide range of applications in both packaged and hydro-split versions
- ✓ Renovation is easy: supply temperature up to 75 °C, perfect for any distribution system
- ✓ Modular: combines up to 6 units in cascade
- ✓ Advanced connectivity: management via the dedicated App or via the Modbus port with CONTROL4 NRG standard supplied

For the future

EDGE F is the heat pump with R-290 refrigerant designed for the future; it is in fact a natural gas, and already in accordance with the current strict European regulations. The high thermodynamic qualities of this new refrigerant allow the production of water at unprecedented temperatures, 75 °C supply down to -10 °C ambient.

Respect for the environment and temperatures comparable to a boiler for a full-electric future.



1. Compressor
2. Source side exchanger
3. Fan
4. Sealed inverter panel
5. 4-way reverse cycle valve
6. Relief valve (safety)
7. Sealed electrical panel

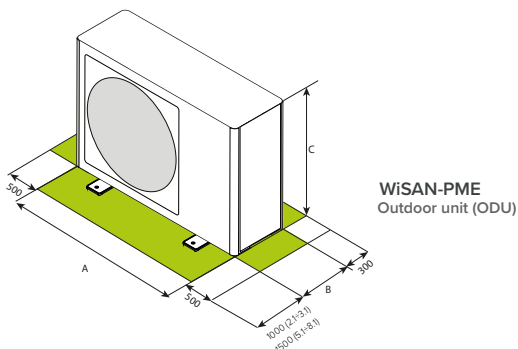
8. System expansion vessel (4.8 litres)
9. Water supply pump
10. User side exchanger
11. Lamination valve

Size				6.1T	7.1T	8.1T
Heating	Capacity	Water 35/30°C	Nominal / Maximum	12,0 / 14,7	14,0 / 16,0	15,0 / 17,6
	COP	Outdoor air 7°C	Nominal	4,80	4,50	4,40
	Capacity	Water 35/30°C	Nominal / Maximum	10,0 / 11,1	11,5 / 12,1	12,7 / 13,2
	COP	Outdoor air -7°C	Nominal	2,80	2,70	2,50
	Capacity	Water 45/40°C	Nominal / Maximum	12,0 / 14,1	14,0 / 15,3	15,0 / 16,9
Cooling	COP	Outdoor air 7°C	Nominal	3,70	3,50	3,35
	Capacity	Water 18/23°C	Nominal / Maximum	12,0 / 16,4	13,0 / 17,3	14,4 / 18,6
	EER	Outdoor air 35°C	Nominal	4,50	4,20	3,90
	Capacity	Water 7/12°C	Nominal / Maximum	11,5 / 12,0	12,7 / 12,7	14,0 / 14,3
	EER	Outdoor air 35°C	Nominal	3,05	2,90	2,75
Electrical power for meter sizing				5,70	6,00	6,40
Seasonal efficiency	Energy class			A++	A++	A++
	Heating	Annual energy consumption	kWh/year	6.847	7.414	8.349
	Water 55°C	SCOP	-	3,62	3,62	3,57
		ηs (seasonal output)	%	141,8	141,9	139,9
	Energy class			A+++	A+++	A+++
Medium climate	Heating	Annual energy consumption	kWh/year	5.376	6.091	6.630
	Water 35°C	SCOP	-	4,68	4,64	4,59
		ηs (seasonal output)	%	184,0	182,4	180,6
Technical specifications						
Power supply		Voltage/Frequency/Phases	V/Hz/n°	400/50/3+N	400/50/3+N	400/50/3+N
Water flow-rate		Water 35/30°C	Nominal	0,57	0,67	0,71
Pump available pressure		Outdoor air 7°C	Nominal	88	88	88
Minimum system water content			l	40	40	40
Expansion tank capacity			l	8	8	8
Sound power		Minimum / Nominal	dB(A)	58 / 65	59 / 65	60 / 69
Sound pressure @1m		Minimum / Nominal	dB(A)	43 / 51	44 / 52	48 / 56
Operating range						
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	25 / 75	25 / 75	25 / 75
		Hybrid	Minimum / Maximum	25 / 75	25 / 75	25 / 75
	Cooling	-	Minimum / Maximum	5 / 25	5 / 25	5 / 25
Operating range (Outdoor air)	Heating	-	Minimum / Maximum	-25 / 35	-25 / 35	-25 / 35
	DHW	-	Minimum / Maximum	-25 / 46	-25 / 46	-25 / 46
	Cooling	-	Minimum / Maximum	-5 / 43	-5 / 43	-5 / 43

Data according to EN 14511:2018 and EN 14825:2016

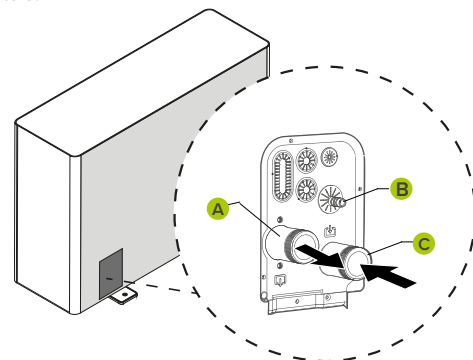
The Product complies with the European ErP Directive (EU Regulations 811/2013 - 813/2013 - 2016/2281).

Size			6.1T	7.1T	8.1T
Dimensions	AxCxB	mm	1.385x865x423	1.385x865x423	1.385x865x423
Weight		kg	137	137	137
Refrigerant charge		type / GWP	R-290 / 0.02	R-290 / 0.02	R-290 / 0.02
		kg	1,25	1,25	1,25
External diameters		CO ₂ tons	0,004	0,004	0,004
	Water	inch	1" 1/4	1" 1/4	1" 1/4



For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

SIZES 4.1 to 8.1



- A.** 1 1/4" system supply
- B.** Pressure relief valve Ø 16mm
- C.** 1 1/4" system return