

Edge EVO 2.0 - EXC

WiSAN-YME 1 S 2.1÷14.1

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)



Keymark 041



ProdottiQualità CasaClima

HEALTH



Renewable Energy (Full electric version)

CONVENIENCE



Weekly Timer



Contemporaneity (Hybrid Version)



Instant DHW (Hybrid Version)

MANAGEMENT AND CONNECTIVITY



Input ON/OFF



User interface/ thermostat



Port Modbus



Control via App



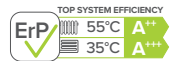
Control4 NRG management



Clivet Eye monitoring



Energy metering

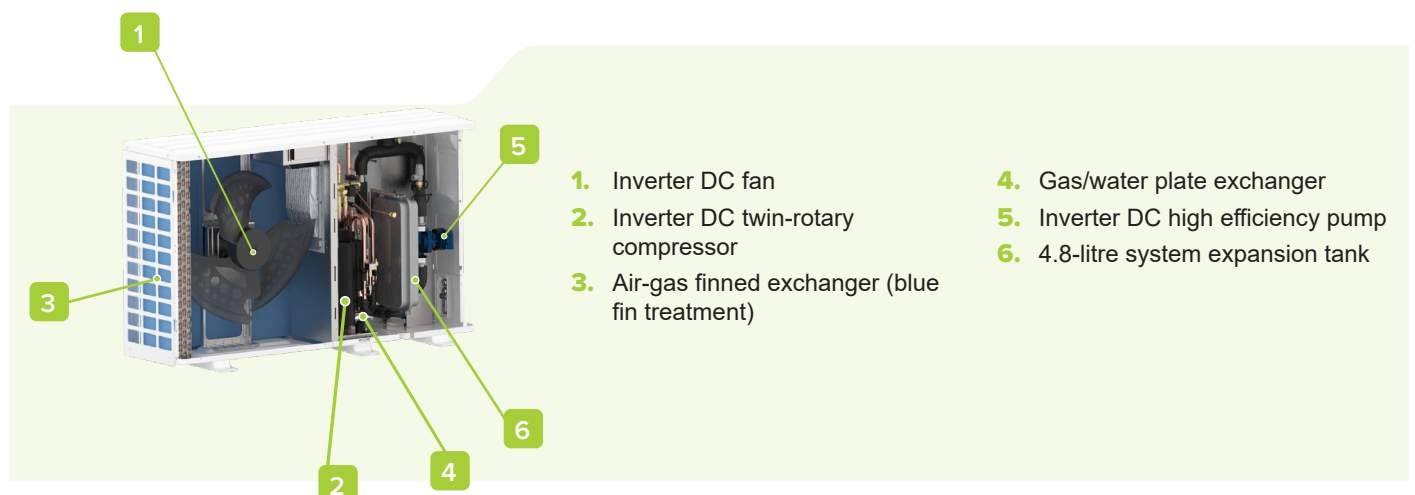


- ✓ Space saving: installed outdoors, no indoor unit is required
- ✓ Designed for harsh climates: excellent performance at low temperatures and optional 3 to 9 kW auxiliary heaters
- ✓ Simultaneous production of DHW and cooling/heating (*Hybrid version*)
- ✓ Modular: combines up to 6 units in cascade for capacities up to 180 kW
- ✓ Advanced connectivity: management via the dedicated Smart Home App or via the Modbus port with Control4 NRG standard supplied



Senza pensieri

Edge EVO 2.0 - EXC **Hybrid version** is the solution designed for upgrading old generators without having to alter the system. The system is in fact extremely versatile and able to adapt to whatever already exists: it simply replaces the generator that produces Heating and Domestic Hot Water, improving comfort and efficiency, as well as ensuring peace of mind.


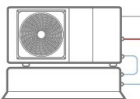



























configurations

BACK-UP ELECTRIC HEATER (INTEGRATED IN THE UNIT):

- **No heater (standard)**
- IBH** Back-up electric heater (only available for WiSAN-YME 1 S 2.1-8.1)

accessories

	KTFLX	Hose kit for connecting the unit to the system		TANKX	System inertial storage tank
	FDMX	Magnetic dirt separator filter for water distribution systems		KTCAX	Piping kit for the connection to the buffer tank
	VAGX	Safety antifreeze valve for system		PCSX	Secondary circuit pump
	ACS200X	200 liter DHW tank		PCS2X	Oversized secondary circuit pump
	ACS300X	300 liter DHW tank		PRSX	DHW recirculation pump
	ACS500X	500 liter DHW tank		VDACSX	Thermostat-controlled switching valve for domestic hot water
	ACS1000X	1000 liter DHW tank		IBHX	Single-phase back-up electric heater (2/4/6kW)
	ACS10SX	1.000 liter DHW tank with solar coil		IBHTX	Three-phase back-up electric heater (3/6/9kW)
	SCS08X	Solar coil for ACS200X/ACS300X DHW tank		DTX	Auxiliary condensate collection tray
	SCS12X	1.2 m ² solar exchanger for flange installation <small>(for ACS500X)</small>		AMRX	Kit of antivibration mounts for floor installation
	QERAX	Electrical panel for single-phase heater connection on DHW storage tank		AMMSX	Kit of antivibration anti-seismic mounts for floor installation
	QERATX	Electrical panel for three-phase heater connection on DHW storage tank		ASTFX	Kit of antivibration mounts for wall bracket installation
	3DHWX	Three-way valve for domestic hot water		KSIPX	Kit with wall fixing brackets
	KCSX	Secondary circuit kit (1-litre circuit breaker + pump)		HTC2WX	White HID-TConnect ² chronothermostat for temperature control
	KIRE2HLX	Double zone distribution unit: direct + mixed (with mixing valve)		SWCX	Receiver / IoT switch SwitchConnect
	KIRE2HX	Double zone distribution unit: direct + direct			
	DIX	1 liter hydraulic separator			
	DI50-2X	50 liter hydraulic separator			
	DH100X	100-litre circuit breaker			
	T1BX	DHW temperature probe and additional heating source at 10 m			
	T1B30X	DHW temperature probe and additional heating source at 30 m			

technical data

Size				2.1	3.1	4.1	5.1	6.1	7.1	8.1	
Heating	Capacity	Water 35/30 °C	Nominal / Maximum	kW	4,20 / 5,33	6,35 / 7,41	8,40 / 9,11	10,0 / 10,3	12,1 / 14,6	14,5 / 15,5	15,9 / 16,8
	COP	Outdoor air 7 °C	Nominal	-	5,10	4,95	5,15	4,95	4,95	4,60	4,50
	Capacity	Water 35/30 °C	Nominal / Maximum	kW	4,70 / 4,99	6,00 / 6,21	7,00 / 7,27	8,00 / 8,31	10,0 / 11,0	12,0 / 12,7	13,1 / 13,9
	COP	Outdoor air -7 °C	Nominal	-	3,10	3,00	3,20	3,05	3,00	2,85	2,70
Cooling	Capacity	Water 45/40 °C	Nominal / Maximum	kW	4,30 / 5,96	6,30 / 7,13	8,10 / 8,98	10,0 / 10,3	12,3 / 14,5	14,1 / 15,7	16,0 / 16,6
	COP	Outdoor air 7 °C	Nominal	-	3,80	3,70	3,85	3,75	3,70	3,60	3,50
	Capacity	Water 18/23 °C	Nominal / Maximum	kW	4,50 / 7,65	6,50 / 7,65	8,30 / 11,1	9,90 / 12,0	12,0 / 15,0	13,5 / 15,3	14,2 / 16,4
	EER	Outdoor air 35 °C	Nominal	-	5,50	4,80	5,05	4,55	3,95	3,61	3,61
Electrical power for meter sizing	Capacity	Water 7/12 °C	Nominal / Maximum	kW	4,70 / 6,14	7,00 / 7,11	7,45 / 7,94	8,20 / 8,67	11,5 / 11,5	12,4 / 12,4	14,0 / 14,0
	EER	Outdoor air 35 °C	Nominal	-	3,45	3,00	3,35	3,25	2,75	2,50	2,50
Seasonal efficiency Medium climate	Energy class				A++	A++	A++	A++	A++	A++	A++
	Heating	Annual energy consumption	kWh/year	2.749	3.348	4.064	4.541	6.916	6.917	7.213	
	Water 55 °C	SCOP	-	3,31	3,52	3,37	3,47	3,45	3,47	3,41	
		ηs (seasonal output)	%	129	138	131	137	135	135	133	
	Energy class				A+++	A+++	A+++	A+++	A+++	A+++	A+++
Medium climate	Heating	Annual energy consumption	kWh/year	2.354	2.849	3.223	3.649	5.156	5.157	6.011	
	Water 35 °C	SCOP	-	4,85	4,95	5,22	5,20	4,81	4,72	4,62	
		ηs (seasonal output)	%	191	195	205	205	189	186	182	

Technical specifications

Power supply	Voltage/Frequency/Phases		V/Hz/n°	230/50/1							
Water flow-rate	Water 35/30 °C	Nominal	l/s	0,20	0,30	0,40	0,48	0,58	0,69	0,76	
Pump available pressure	Outdoor air 7 °C	Nominal	kPa	85	85	86	86	88	87	87	
Minimum system water content			l	30			70				
Expansion tank capacity			l	4,8							
Sound power			Minimum / Nominal	dB(A)	53 / 55	55 / 58	54 / 59	55 / 60	59 / 65	59 / 65	59 / 68
Sound pressure @1m			Minimum / Nominal	dB(A)	39 / 41	41 / 44	40 / 45	40 / 46	44 / 50	44 / 50	44 / 53

Operating range

Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C	25 / 65					
		Hybrid	Minimum / Maximum	°C	25 / 75					
Operating range (Outdoor air)	Cooling	-	Minimum / Maximum	°C	5 / 25					
	Heating	-	Minimum / Maximum	°C	-25 / 35					
Operating range (Outdoor air)	DHW	-	Minimum / Maximum	°C	-25 / 43					
	Cooling	-	Minimum / Maximum	°C	-5 / 43					

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

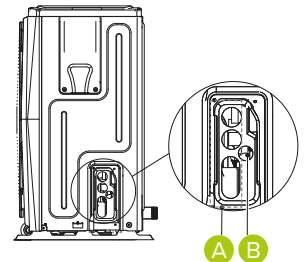
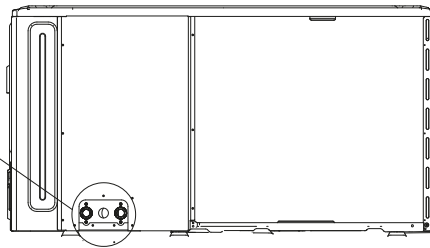
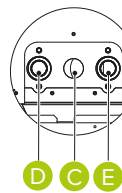
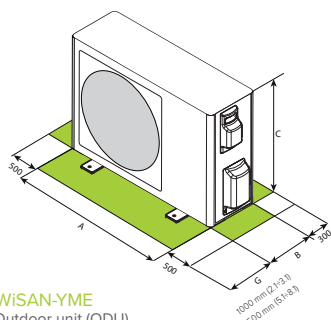
2016/2281).

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

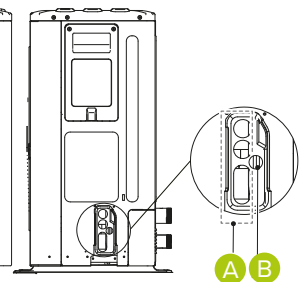
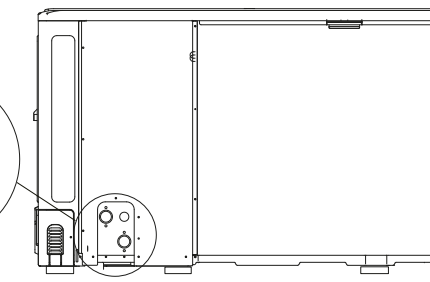
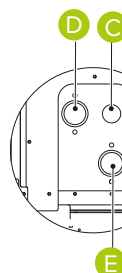
dimensions and connections

Size			2.1	3.1	4.1	5.1	6.1	7.1	8.1
Dimensions	AxCxB	mm	1.295x717x400			1.385x864x445			
Weight		kg	86			105			129
		type / GWP	R-32 / 675						
Refrigerant charge		kg	1,40			1,75			
		CO ₂ tons	0,95			1,18			
External diameters	Water	inch	1"			1" 1/4			

SIZES 2.1 to 3.1



SIZES 4.1 to 8.1



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

A. Hole for high voltage cable (power supply)

B. Hole for low pressure cable (control and signal cables)

C. Hole for discharge pipe

D. Water outlet

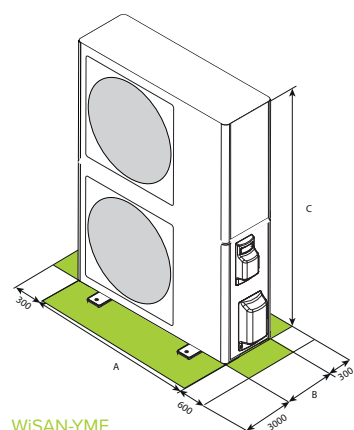
E. Water inlet

Size				6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1	
Heating	Capacity	Water 35/30 °C	Nominal / Maximum	kW	12,1 / 14,6	14,5 / 15,5	15,9 / 16,8	18,0 / 20,7	22,0 / 24,9	26,0 / 29,1	30,1 / 31,8
	COP	Outdoor air 7 °C	Nominal	-	4,95	4,60	4,50	4,70	4,40	4,08	3,91
	Capacity	Water 35/30 °C	Nominal / Maximum	kW	10,0 / 11,0	12,0 / 12,7	13,1 / 13,9	18,0 / 19,9	21,0 / 21,3	22,0 / 23,5	23,0 / 23,3
	COP	Outdoor air -7 °C	Nominal	-	3,00	2,85	2,70	2,70	2,60	2,50	2,45
	Capacity	Water 45/40 °C	Nominal / Maximum	kW	12,3 / 14,5	14,1 / 15,7	16,0 / 16,6	18,0 / 18,5	22,0 / 22,7	26,0 / 27,4	30,0 / 31,0
	COP	Outdoor air 7 °C	Nominal	-	3,70	3,60	3,50	3,50	3,40	3,10	2,90
Cooling	Capacity	Water 18/23 °C	Nominal / Maximum	kW	12,0 / 15,0	13,5 / 15,3	14,2 / 16,4	18,5 / 21,7	23,0 / 26,6	27,0 / 29,2	31,0 / 31,9
	EER	Outdoor air 35 °C	Nominal	-	3,95	3,61	3,61	4,75	4,60	4,30	4,00
	Capacity	Water 7/12 °C	Nominal / Maximum	kW	11,5 / 11,5	12,4 / 12,4	14,0 / 14,0	17,0 / 17,1	21,0 / 21,0	26,0 / 26,0	29,5 / 29,7
	EER	Outdoor air 35 °C	Nominal	-	2,75	2,50	2,50	3,05	2,95	2,70	2,55
Electrical power for meter sizing				kW	5,50	5,80	6,20	10,6	12,5	13,8	14,5
Seasonal efficiency Medium climate	Energy class			-	A++	A++	A++	A++	A++	A+	A+
	Heating Water 55 °C	Annual energy consumption		kWh/year	7.214	7.894	7.895	11.396	14.363	17.116	19.552
		SCOP		-	3,45	3,47	3,41	3,20	3,23	3,15	3,15
	ηs (seasonal output)		%	135	135	133	125	126	123	123	
	Energy class			-	A+++	A+++	A+++	A+++	A+++	A+++	A++
	Heating Water 35 °C	Annual energy consumption		kWh/year	6.012	6.803	6.805	8.077	10.167	11.513	14.372
		SCOP		-	4,81	4,72	4,62	4,60	4,53	4,50	4,20
	ηs (seasonal output)		%	189	186	182	181	179	177	165	
Technical specifications											
Power supply		Voltage/Frequency/Phases		V/Hz/n°	400/50/3+N						
Water flow-rate		Water 35/30 °C	Nominal	l/s	0,58	0,69	0,76	0,86	1,05	1,25	1,44
Pump available pressure		Outdoor air 7 °C	Nominal	kPa	88	87	87	112	111	111	110
Minimum system water content				l	70						
Expansion tank capacity				l	4,8						
Sound power		Minimum / Nominal		dB(A)	59 / 65	59 / 65	59 / 68	63 / 70	62 / 72	70 / 74	73 / 77
Sound pressure @1m		Minimum / Nominal		dB(A)	44 / 50	44 / 50	44 / 53	48 / 55	46 / 56	54 / 58	57 / 61
Operating range											
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C	25 / 65				25 / 60		
		Hybrid	Minimum / Maximum	°C	25 / 75				25 / 70		
Operating range (Outdoor air)	Cooling	-	Minimum / Maximum	°C	5 / 25						
	Heating	-	Minimum / Maximum	°C	-25 / 35						
	DHW	-	Minimum / Maximum	°C	-25 / 43						
	Cooling	-	Minimum / Maximum	°C	-5 / 43				-5 / 46		

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

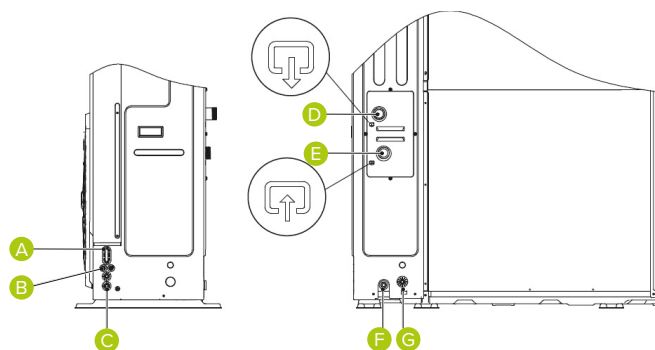
The Product complies with the European ErP Directive (EU Regulations 811/2013 - 813/2013 - 2016/2281).

Size			6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1	
Dimensions	AxCxB	mm	1.385x864x445				1.120x1.557x445			
Weight		kg	144				177			
Refrigerant charge		type / GWP	R-32 / 675							
		kg	1,75				5,00			
		CO ₂ tons	1,18				3,38			
External diameters	Water	inch	1" 1/4							



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

SIZES 9.1 to 14.1



- A.** Hole for high voltage cable (power supply)
- B.** Hole for low pressure cable (control and signal cables)
- C.** Hole for discharge pipe
- D.** Water outlet
- E.** Water inlet
- F.** Hole for discharge pipe
- G.** Hole for pressure relief valve discharge pipe