

EDGE EVO 2.0 - EXC

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

Capacity from 4 to 30 kW



Energy saving



Solar integration (DHW tank - optional)



Cascade



Smart Grid ready



€-Switch

Comfort



Hot Cold



DHW



Silent

Reliability



Backup heater (optional)



041



ProdottiQualità CasaClima

Health



Renewable Energy (Full electric version)

Management and connectivity



Input ON/OFF



User interface/thermostat



Port Modbus



Control via App



management CONTROL4 NRG



Clivet Eye monitoring



Energy metering

Convenience



Weekley Timer



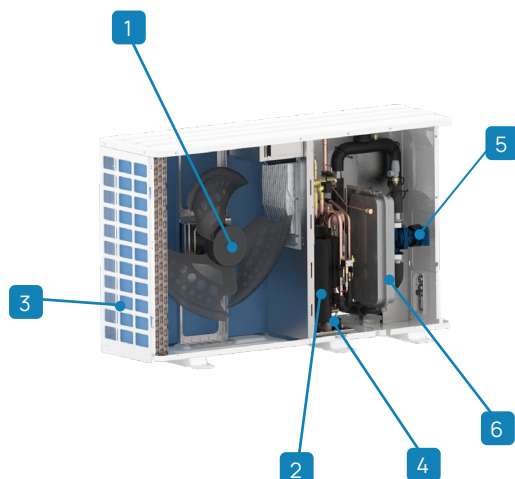
Contemporaneity (Hybrid Version)



Integrated DHW tank



- ✓ Versatile: wide range of applications in both packaged and hydro-split versions
- ✓ 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 App or via the Modbus port with CONTROL4 NRG standard supplied



- 1 Inverter DC fan
- 2 Inverter DC twin-rotary compressor
- 3 Air-gas finned exchanger (blue fin treatment)
- 4 Gas/water plate exchanger
- 5 Inverter DC high efficiency pump
- 6 4.8-litre system expansion tank

Configurations

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

- No heater (standard)

IBH

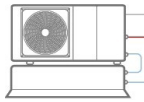
Electric back-up heater (only available for 2.1-8.1)

Mandatory accessories

	HMIRNX	KJRH-120L2 nero Control
	HMIRBX	KJRH-120L2 bianco Control

	KITR32X	Simplified installation kit for R-32 units
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Accessories

	IBHX	Electric back-up heater (single phase)		VDACSX	Thermostat-controlled switching valve for domestic hot water
	IBHTX	Electric back-up heater (three-phase)		DI50-2X	50 liter hydraulic separator
	3DHWX	System/DHW 3-way switching valve (SV1)		DI100-2X	100-litre circuit breaker
	ACS200X	200 liter DHW tank		KCSX	Secondary circuit kit (1-litre hydraulic circuit breaker + pump)
	ACS300X	300 liter DHW tank		KIRE2HX	Double zone distribution unit: direct + direct
	ACS500X	500 liter DHW tank		KIRE2HLX	Double zone distribution unit: direct + mixed (with mixing valve)
	QERAX	Connection kit for single-phase heater on DHW storage tank (for ACS200/300/500X)		DTX	Condensate collection pan with electric heater
	SCS08X	Solar coil for ACS200X/ACS300X DHW tank		T1BX	DHW temperature probe and additional 10m heating source
	SCS12X	Solar coil for ACS200X/ACS300X DHW boilers		T1B30X	DHW temperature probe and additional 30m heating source
	FDMX	Magnetic dirt separator filter for water distribution systems		AMRX	Kit of antivibration mounts for floor installation
	TANKSX	50 L system inertial storage tank		ASTFX	Kit of antivibration mounts for installation on wall brackets, inertial tank or tray
	TANKMX	75 L system inertial storage tank		KSIPX	Kit with wall fixing brackets
	TANKLX	100 L system inertial storage tank		HTC2WX	White HID-TConnect2 chronothermostat for temperature control
	KTCAX	Hose kit for connecting the unit to the inertial storage tank		SWCX	Receiver / IoT switch SwitchConnect
	VAGX	Safety antifreeze valve for system			

Technical data

Size					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Heating	Capacity	Water 35/30 °C	Nominal / Maximum	kW	4,20 / 6,26	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
	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
Cooling	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
	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
Electrical power for meter sizing				kW	2,30	2,70	3,40	3,70	5,50	5,80	6,20
Seasonal efficiency Medium climate	Heating Water 55 °C	Energy class	-	A++	A++	A++	A++	A++	A++	A++	A++
		Annual energy consumption	kWh/year	2.749	3.348	4.064	4.541	6.916	6.917	7.213	
		SCOP	-	3,31	3,52	3,37	3,47	3,45	3,47	3,41	
		ns (seasonal output)	%	129	138	131	137	135	135	133	
	Heating Water 35 °C	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		Annual energy consumption	kWh/year	2.354	2.849	3.223	3.649	5.156	5.157	6.011	
		SCOP	-	4,85	4,95	5,22	5,20	4,81	4,72	4,62	
		ns (seasonal output)	%	191	195	205	205	189	186	182	
Technical specifications											
Power supply		Voltage/Frequency/Phases		V/Hz/n°	230/50/1				230/50/1 - 400/50/3+N		
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	84	80	71	60	48	40
Minimum system water content				l	30	30	40	40	40	40	40
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			Nominal	dB(A)	45	47	48	50	53	53	57
Operating range											
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C	25 / 65						
		Hybrid	Minimum / Maximum	°C	25 / 75						
	Cooling	-	Minimum / Maximum	°C	5 / 25						
Operating range (Outdoor air)	Heating	-	Minimum / Maximum	°C	-25 / 35						
	DHW	-	Minimum / Maximum	°C	-25 / 43						
	Cooling	-	Minimum / Maximum	°C	-5 / 43						

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

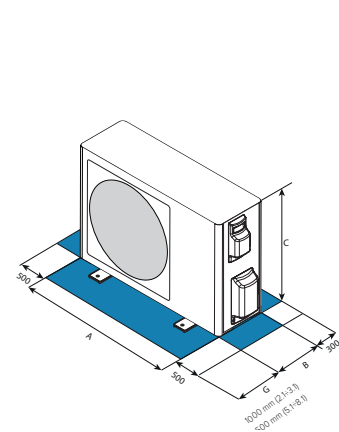
The Product complies with the European ErP Directive (EU Regulations 811/2013 - 813/2013 - 2016/2281).

Size					9.1	10.1	12.1	14.1
Heating	Capacity	Water 35/30 °C	Nominal / Maximum	kW	18,0 / 20,9	22,0 / 24,1	26,0 / 27,9	30,1 / 30,1l
	COP	Outdoor air 7 °C	Nominal	-	4,70	4,40	4,08	3,91
	Capacity	Water 35/30 °C	Nominal / Maximum	kW	18,0 / 21,1	21,0 / 21,8	22,0 / 22,0	23,0 / 23,0
	COP	Outdoor air -7 °C	Nominal	-	2,70	2,60	2,50	2,45
	Capacity	Water 45/40 °C	Nominal / Maximum	kW	18,0 / 20,3	22,0 / 23,2	26,0 / 27,1	30,0 / 31,0
	COP	Outdoor air 7 °C	Nominal	-	3,50	3,40	3,10	2,90
Cooling	Capacity	Water 18/23 °C	Nominal / Maximum	kW	18,5 / 22,7	23,0 / 28,4	27,0 / 30,1	31,0 / 35,2
	EER	Outdoor air 35 °C	Nominal	-	4,75	4,60	4,30	4,00
	Capacity	Water 7/12 °C	Nominal / Maximum	kW	17,0 / 18,1	21,0 / 22,4	26,0 / 27,3	29,5 / 29,5
	EER	Outdoor air 35 °C	Nominal	-	3,05	2,95	2,70	2,55
Electrical power for meter sizing				kW	10,6	12,5	13,8	14,5
Seasonal efficiency Medium climate	Heating Water 55 °C	Energy class	-	A++	A++	A+	A+	
		Annual energy consumption	kWh/year	11.396	14.363	17.116	19.552	
		SCOP	-	3,20	3,23	3,15	3,15	
		ns (seasonal output)	%	125	126	123	123	
	Heating Water 35 °C	Energy class	-	A+++	A+++	A+++	A++	
		Annual energy consumption	kWh/year	8.077	10.167	11.513	14.372	
		SCOP	-	4,60	4,53	4,50	4,20	
		ns (seasonal output)	%	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	0,86	1,05	1,24	1,44
Pump available pressure		Outdoor air 7 °C	Nominal	kPa	100	92	80	59
Minimum system water content				l	100			
Expansion tank capacity				l	4,8			
Sound power			Minimum / Nominal	dB(A)	64 / 71	63 / 73	71 / 75	73 / 77
Sound pressure @1m			Nominal	dB(A)	58	60	61	63
Operating range								
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C	25 / 60			
		Hybrid	Minimum / Maximum	°C	25 / 70			
	Cooling	-	Minimum / Maximum	°C	5 / 25			
Operating Voltage Range	Heating	-	Minimum / Maximum	°C	-25 / 35			
	DHW	-	Minimum / Maximum	°C	-25 / 43			
Outdoor air	Cooling	-	Minimum / Maximum	°C	-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).

Dimensions and connections

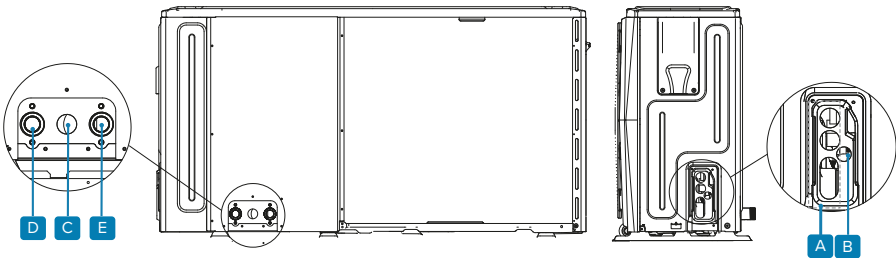
Size		2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Dimensions	AxCxB	mm	1.295x714x400			1.385x864x445		
Weight		kg	86		105		129 - 144	
	type / GWP					R-32 / 675		
Refrigerant charge	kg		1,40				1,75	
	CO ₂ tons		0,95				1,18	
External diameters	Water	inch	1"			1" 1/4		



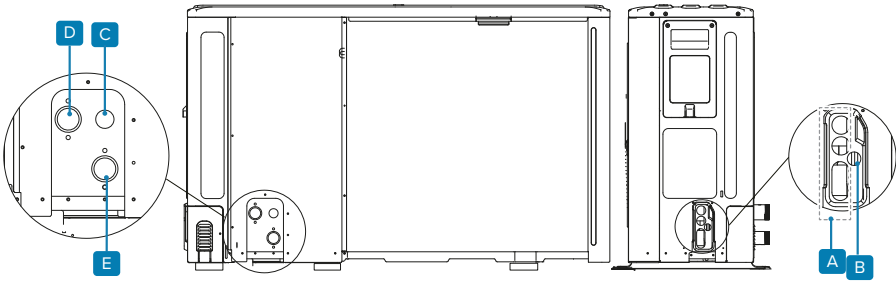
WiSAN-YME
Outdoor unit (ODU)

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

SIZES 2.1 to 3.1

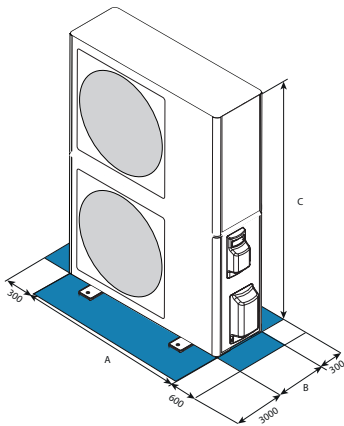


SIZES 4.1 to 8.1



- T0** 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

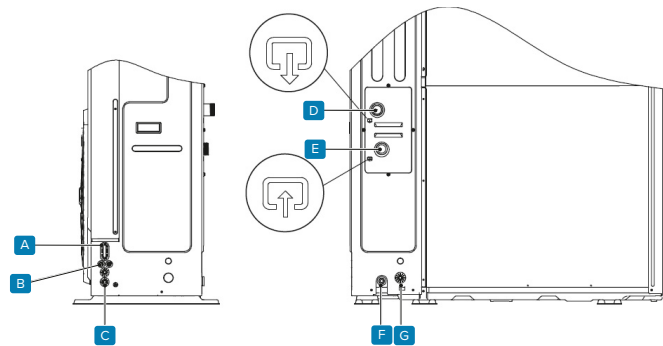
Size			9.1	10.1	12.1	14.1
Dimensions	AxCxB	mm	1120x1.557x444			
Weight		kg	177			
Refrigerant charge		type / GWP	R-32 / 675			
		kg	5,00			
		CO ₂ tons	3,38			
External diameters	Water	inch	1" 1/4			



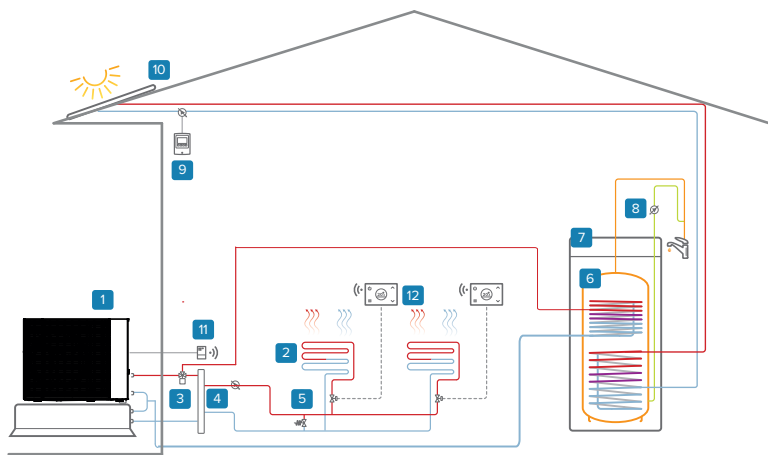
WiSAN-YME
Outdoor unit (ODU)

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

SIZES 9.1 to 14.1



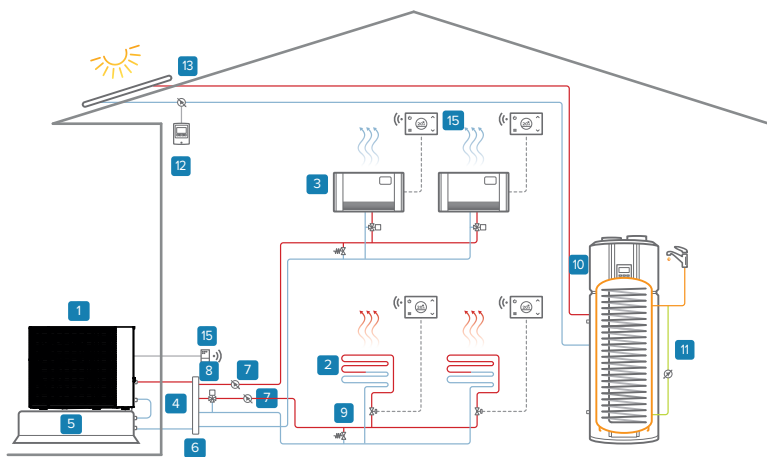
- A Hole for high voltage cable (power supply)
- B Hole for low pressure cable (control and signal cables)
- C Hole for discharge pipe
- D Water outlet
- E Water inlet
- F Hole for discharge pipe
- G Hole for safety valve drain pipe



Full electric single-area system with thermal solar:

Heating / Cooling / DHW

- 1 Outdoor unit
- 2 heating/cooling zone
- 3 3-way diverting valve (optional)
- 4 Single-zone header + pump kit
- 5 Bypass*
- 6 DHW boiler with solar coil (optional)
boiler connection kit (optional)
- 7 DHW circulation pump (optional)
- 8 Solar circulation kit (optional)
- 9 ELFOSUN3 thermal solar (optional)
- 10 SwitchConnect Wi-Fi receiver (optional)
- 11 HID-TConnect2 Wi-Fi chronothermostat
- 12 (optional)



Full electric two-area system with thermal solar:

Heating / Cooling / DHW

- 1 Outdoor unit
- 2 Heating area
- 3 Cooling area
- 4 Buffer tank connection kit (optional)
- 5 System inertial storage (optional)
- 6 Hydraulic separator (optional)
- 7 Secondary circuit pump (optional)
- 8 3-way mixing valve*
- 9 Bypass*
- 10 Heat pump for DHW
- 11 DHW circulation pump (optional)
- 12 Solar circulation kit (optional)
- 13 ELFOSun3 thermal solar (optional)
- 14 SwitchConnect Wi-Fi receiver (optional)
- 15 HID-TConnect2 Wi-Fi chronothermostat (optional)

Hybrid single-zone system in cascade:

Heating / Cooling / DHW

- 1 Indoor unit (Master)
- 2 Outdoor unit (Slave)
- 3 instantaneous boiler (Hybrid version)
- 4 Heating area
- 5 3-way diverting valve (optional)
- 6 Hydraulic separator (optional)
- 7 Secondary circuit pump (optional)
- 8 Bypass*
- 9 DHW tank (optional)
- 10 DHW tank connection kit (optional)
- 11 DHW circulation pump (optional)
- 12 SwitchConnect Wi-Fi receiver (optional)
- 13 HID-TConnect2 Wi-Fi chronothermostat (optional)

The diagrams are for illustrative purposes only, showing possible combinations of system elements.

*from external supply

