



AIR-TO-WATER PACKAGED MONOBLOC  
HEAT PUMP FOR HEATING, COOLING AND  
DOMESTIC HOT WATER PRODUCTION

Edge EVO 2.0 - EXC



AIR CONDITIONING  
AND AIR QUALITY  
PARTNER

*Inspiring Solutions since 1989*



---

# MONOBLOCK (Full electric / Hybrid)



Edge EVO 2.0 - EXC

# 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



Heating Cooling



DHW



Silent

## RELIABILITY



Backup heater (optional)



Keymark 041

## HEALTH



Renewable energy (Full electric version)

## CONVENIENCE



Weekley Timer



Simultaneity (Hybrid version)



Instant DHW (Hybrid version)

## MANAGEMENT AND CONNECTIVITY



Input ON/OFF



User interface/thermostat



Modbus port



Control via the App



ELFOControl management



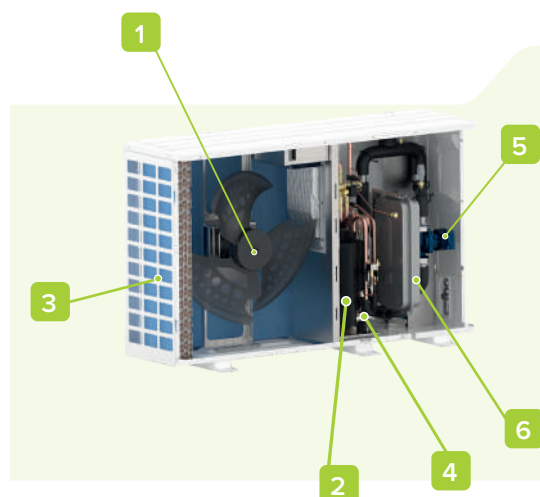
Clivet Eye monitoring



- ✓ 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 MSmartHome App or via the Modbus port with Control4 NRG included as standard

## 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.




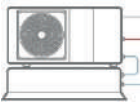



































1. Inverter DC fan
2. Inverter DC twin-rotary compressor
3. Air-gas finned exchanger (blue fin treatment)
4. Gas/water plate exchanger
5. Inverter DC high efficiency pump
6. 4.8-litre system expansion tank

## configurations

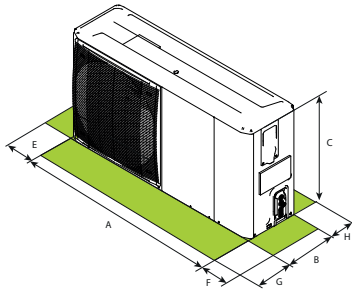
BACK-UP ELECTRIC HEATER (INTEGRATED IN THE UNIT):

- **No heater (standard)**
- IBH Back-up electric heater

## accessories

	<b>KTFLX</b>	Hose kit for connecting the unit to the system		<b>TANKX</b>	System inertial storage tank
	<b>FDMX</b>	Magnetic dirt separator filter for water distribution systems		<b>KTCAX</b>	Piping kit for the connection to the buffer tank
	<b>VAGX</b>	Safety antifreeze valve for system		<b>PCSX</b>	Secondary circuit pump
	<b>ACS200X</b>	200 liter DHW tank		<b>PCS2X</b>	Oversized secondary circuit pump
	<b>ACS300X</b>	300 liter DHW tank		<b>PRSX</b>	DHW recirculation pump
	<b>ACS500X</b>	500 liter DHW tank		<b>VDACSX</b>	Thermostat-controlled switching valve for domestic hot water
	<b>ACS1000X</b>	1000 liter DHW tank		<b>IBHX</b>	Single-phase back-up electric heater (2/4/6kW)
	<b>ACS10SX</b>	1.000 liter DHW tank with solar coil		<b>IBHTX</b>	Three-phase back-up electric heater (3/6/9kW)
	<b>SCS08X</b>	Solar coil for ACS200X/ACS300X DHW tank		<b>DTX</b>	Auxiliary condensate collection tray
	<b>SCS12X</b>	1.2 m <sup>2</sup> solar exchanger for flange installation (for ACS500X)		<b>AMRX</b>	Kit of antivibration mounts for floor installation
	<b>QERAX</b>	Electrical panel for single-phase heater connection on DHW storage tank		<b>AMMSX</b>	Kit of antivibration anti-seismic mounts for floor installation
	<b>QERATX</b>	Electrical panel for three-phase heater connection on DHW storage tank		<b>ASTFX</b>	Kit of antivibration mounts for wall bracket installation
	<b>3DHWX</b>	Three-way valve for domestic hot water		<b>KSIPX</b>	Kit with wall fixing brackets
	<b>KCSX</b>	Secondary circuit kit (1-litre circuit breaker + pump)		<b>HIDTCBX</b> <i>to exhaustion</i>	Black HID-TConnect chronothermostat for temperature control
	<b>KIRE2HLX</b>	Double zone distribution unit: direct + mixed (with mixing valve)		<b>HIDTCNX</b> <i>to exhaustion</i>	White HID-TConnect chronothermostat for temperature control
	<b>KIRE2HX</b>	Double zone distribution unit: direct + direct		<b>HTC2WX</b>	White HID-TConnect <sup>2</sup> NEW chronothermostat for temperature control
	<b>DIX</b>	1 liter hydraulic separator		<b>SWCX</b>	Receiver / IoT switch SwitchConnect
	<b>DI50-2X</b>	50 liter hydraulic separator			
	<b>DI100X</b>	100-litre circuit breaker			
	<b>T1BX</b>	DHW temperature probe and additional heating source at 10 m			
	<b>T1B30X</b>	DHW temperature probe and additional heating source at 30 m			

## dimensions and connections



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

H = 300 mm

F = 500 mm (2.1÷8.1) / 600 mm (9.1÷14.1)

E = 500 mm (2.1÷8.1) / 300 mm (9.1÷14.1)

G = 1000 mm (2.1÷3.1) / 1500 mm (5.1÷8.1) / 3000 mm (9.1÷14.1)

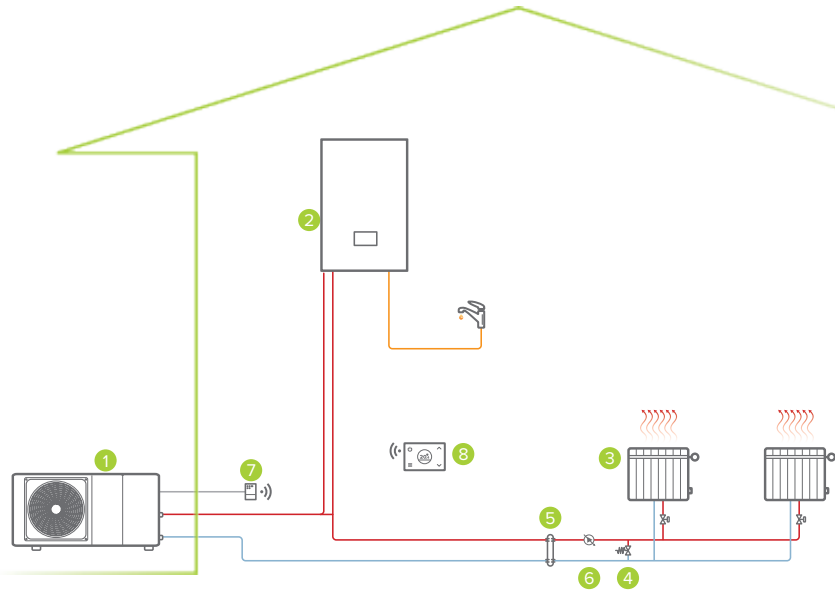
Size			2.1	3.1	4.1	5.1	6.1	7.1	8.1
Dimensions	AxCxB	mm	1.295x717x426					1.385x864x445	
Weight		kg	86		105			129	
Refrigerant charge		type / GWP	R-32 / 675						
		kg			1,40			1,75	
		CO <sub>2</sub> tons			0,95			1,18	
External diameters	Water	inch	1"					1" 1/4	

Size			6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1
Dimensions	AxCxB	mm	1.385x864x445					1.120x1.557x528	
Weight		kg	144					177	
Refrigerant charge		type / GWP	R-32 / 675						
		kg			1,75			5,00	
		CO <sub>2</sub> tons			1,18			3,38	
External diameters	Water	inch			1" 1/4				

## technical data

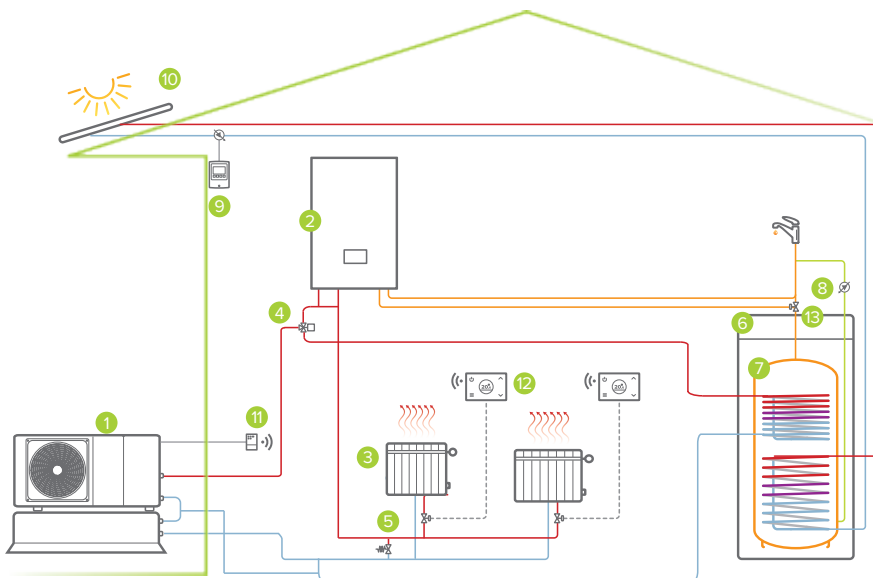
Size				2.1	3.1	4.1	5.1	6.1	7.1	8.1	
Heating	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,20 / 6,26	6,35 / 7,41	8,40 / 9,11	10,0 / 10,3	12,1 / 14,6	14,5 / 15,5	15,9 / 16,8
	COP	Outdoor air 7°C	Nominal	-	5,10	4,95	5,15	4,95	4,95	4,60	4,50
	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,70 / 4,99	6,00 / 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°	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
		Energy class		-	A++	A++	A++	A++	A++	A++	A++
Seasonal efficiency Medium Climate	Heating Water 55°C	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
		ηs (seasonal output)		%	129	138	131	137	135	135	133
	Heating Water 35°C	Energy class		-	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
	ηs (seasonal output)		%	191	195	205	205	189	186	182	
<b>Technical specifications</b>											
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	
<b>Operating range</b>											
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 / DHW	-	Minimum / Maximum	°C						-25 / 43	
	Cooling	-	Minimum / Maximum	°C						-5 / 43	

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°	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
		Energy class		-	A++	A++	A++	A+	A++	A+	A+
Seasonal efficiency Medium Climate	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
	Heating Water 35°C	Energy class		-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		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	
<b>Technical specifications</b>											
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			100			
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	
<b>Operating range</b>											
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 range (outdoor air)	Heating / DHW	-	Minimum / Maximum	°C						-25 / 43	
	Cooling	-	Minimum / Maximum	°C						-5 / 46	



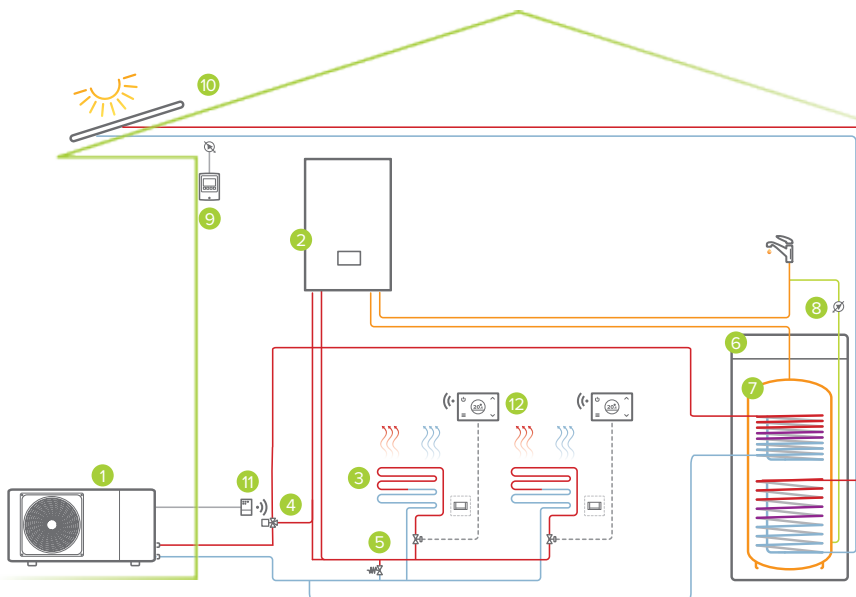
**Hybrid single-zone system:  
Heating / DHW**

- 1 outdoor unit
- 2 instantaneous boiler (*Hybrid version*)
- 3 heating area
- 4 bypass\*
- 5 hydraulic separator (optional)
- 6 secondary circuit pump (optional)
- 7 SwitchConnect Wi-Fi receiver (optional)
- 8 SwitchConnect Wi-Fi chronothermostat (optional)



**Hybrid single-zone system with  
thermodynamic solar system:  
Heating / DHW**

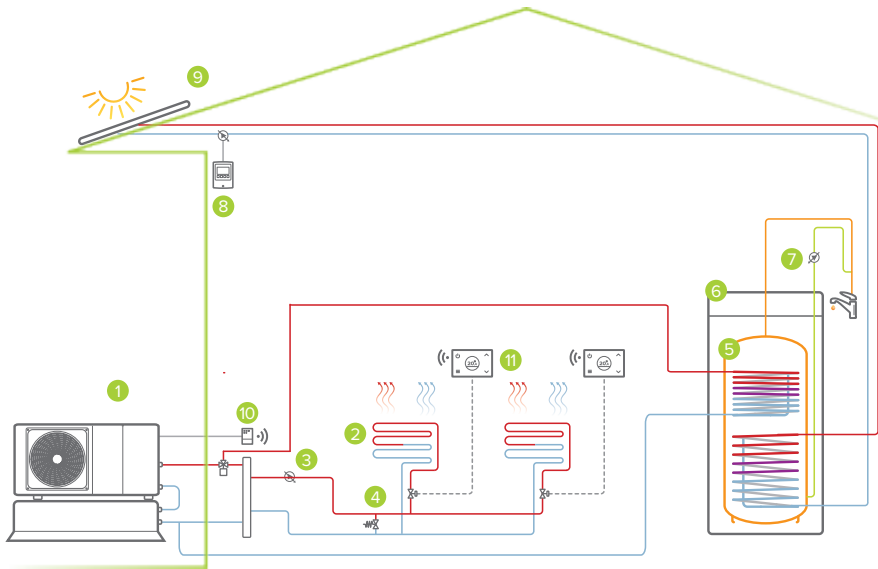
- 1 outdoor unit
- 2 instantaneous boiler (*Hybrid version*)
- 3 heating/cooling zone
- 4 3-way switching valve (optional)
- 5 bypass\*
- 6 boiler connection kit (optional)
- 7 DHW boiler with solar coil (optional)
- 8 DHW recirculation pump (optional)
- 9 solar circulation kit (optional)
- 10 ELFOSun solar thermal (optional)
- 11 SwitchConnect Wi-Fi receiver (optional)
- 12 SwitchConnect Wi-Fi chronothermostat (optional)
- 13 thermostatic switching valve for DHW (optional)



**Hybrid single-zone system with  
thermodynamic solar system:  
Heating / Cooling / DHW**

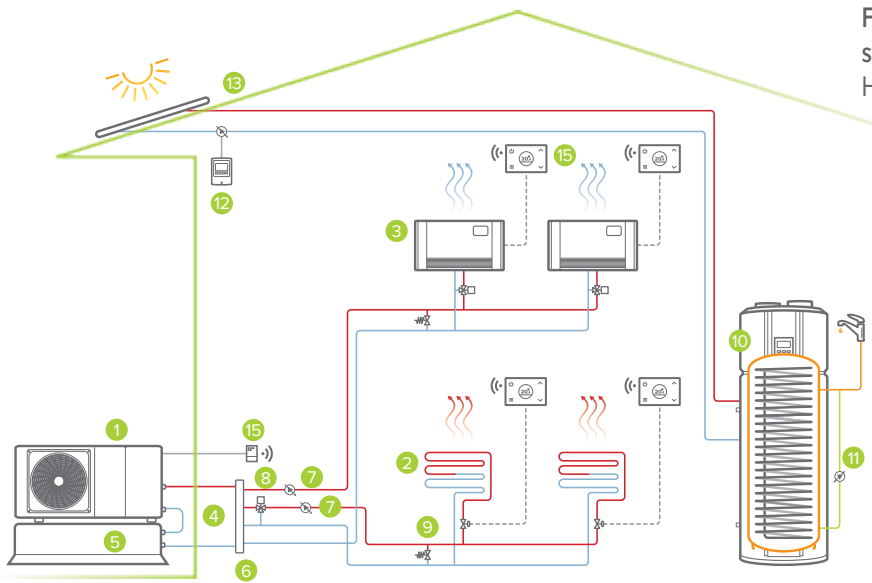
- 1 outdoor unit
- 2 boiler
- 3 heating/cooling zone
- 4 3-way switching valve (optional)
- 5 bypass\*
- 6 boiler kit connection QERAX (optional)
- 7 DHW tank with solar predisposition (optional)
- 8 DHW recirculation pump\*
- 9 solar circulation kit (optional)
- 10 ELFOSun solar thermal (optional)
- 11 SwitchConnect Wi-Fi receiver (optional)
- 12 SwitchConnect Wi-Fi chronothermostat (optional)

\*from external supply



**Full electric single-zone system with thermodynamic solar system:**  
Heating / Cooling / DHW

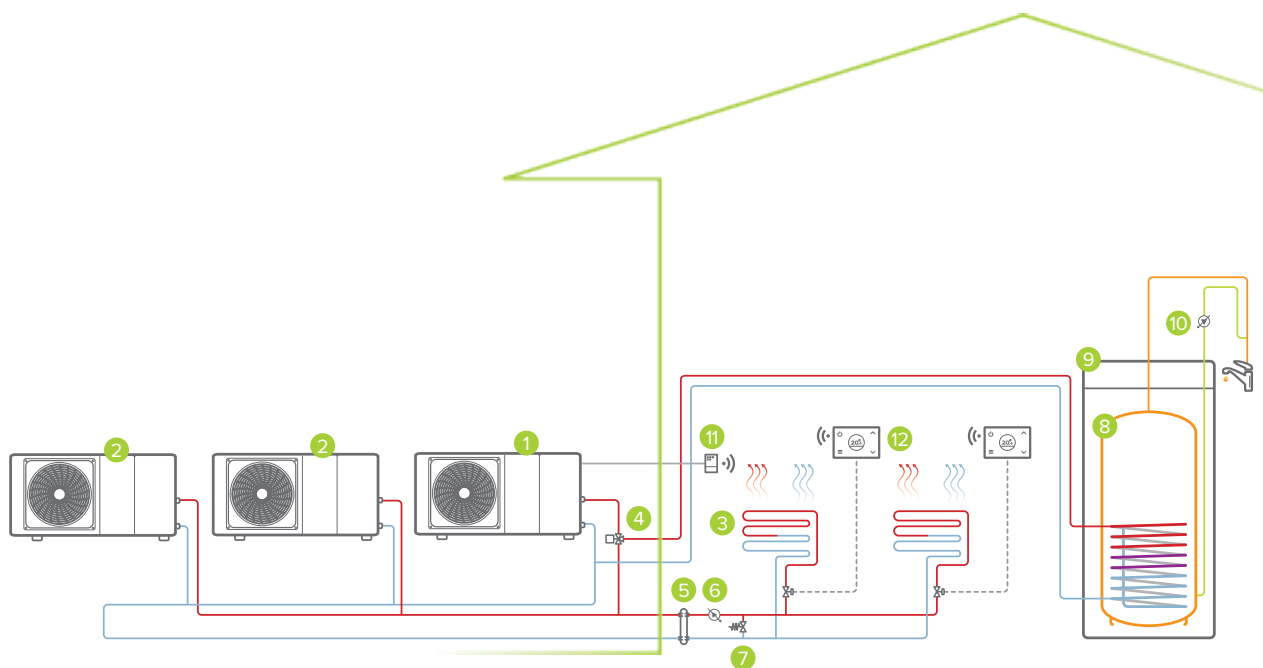
- 1 outdoor unit
- 2 heating/cooling zone
- 3 3-way switching valve (optional)
- 4 bypass\*
- 5 DHW boiler with solar coil (optional)
- 6 boiler connection kit (optional)
- 7 DHW recirculation pump (optional)
- 8 solar circulation kit (optional)
- 9 ELFOSun solar thermal (optional)
- 10 SwitchConnect Wi-Fi receiver (optional)
- 11 SwitchConnect Wi-Fi chronothermostat (optional)



**Full electric two-zone system with thermodynamic solar system:**  
Heating / Cooling / DHW

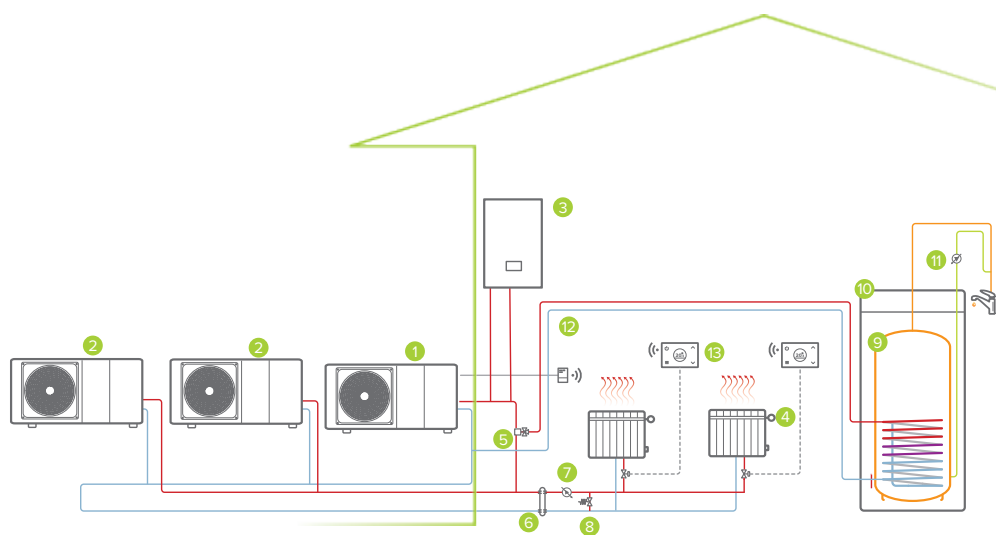
- 1 outdoor unit
- 2 heating area
- 3 cooling zone
- 4 inertial tank connection kit (optional)
- 5 system inertial storage (optional)
- 6 hydraulic separator (optional)
- 7 secondary circuit pump (optional)
- 8 3-way mixing valve\*
- 9 bypass\*
- 10 heat pump for DHW
- 11 DHW recirculation pump (optional)
- 12 solar circulation kit (optional)
- 13 ELFOSun solar thermal (optional)
- 14 SwitchConnect Wi-Fi receiver (optional)
- 15 SwitchConnect Wi-Fi chronothermostat (optional)

\*from external supply



**Full electric single-zone system in cascade:**  
Heating / Cooling / DHW

- 1 outdoor unit (Master)
  - 2 outdoor unit (Slave)
  - 3 heating/cooling zone
  - 4 3-way switching valve (optional)
  - 5 hydraulic separator (optional)
  - 6 secondary circuit pump (optional)
  - 7 bypass\*
  - 8 DHW tank (optional)
  - 9 boiler connection kit (optional)
  - 10 DHW recirculation pump (optional)
  - 11 SwitchConnect Wi-Fi receiver (optional)
  - 12 SwitchConnect Wi-Fi chronothermostat (optional)
- \*from external supply



**Hybrid single-zone system in cascade:**  
Heating / DHW

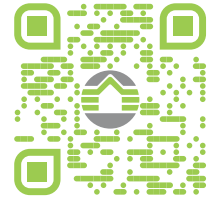
- 1 indoor unit (Slave)
  - 2 outdoor unit (Slave)
  - 3 instantaneous boiler (Hybrid version)
  - 4 heating area
  - 5 3-way switching valve (optional)
  - 6 hydraulic separator (optional)
  - 7 secondary circuit pump (optional)
  - 8 bypass\*
  - 9 DHW tank (optional)
  - 10 boiler connection kit (optional)
  - 11 DHW recirculation pump (optional)
  - 12 SwitchConnect Wi-Fi receiver (optional)
  - 13 SwitchConnect Wi-Fi chronothermostat (optional)
- \*from external supply



FOR OVER 30 YEARS WE HAVE BEEN OFFERING SOLUTIONS TO ENSURE SUSTAINABLE COMFORT AND THE WELL-BEING OF PEOPLE AND THE ENVIRONMENT

[www.clivet.com](http://www.clivet.com)

**MideaGroup**  
*humanizing technology*



Valid from: April 2023  
DF22E016GB-02



**CLIVET S.p.A.**

Via Camp Lonc 25, Z.I. Villapaiera 32032 - Feltre (BL) - Italy  
Tel. +39 0439 3131 - [info@clivet.it](mailto:info@clivet.it)

**CLIVET GMBH**

Hummelsbütteler Steindamm 84,  
22851 Norderstedt, Germany  
Tel. +49 40 325957-0 - [info.de@clivet.com](mailto:info.de@clivet.com)

**Clivet Group UK LTD**

Units F5 & F6 Railway Triangle,  
Portsmouth, Hampshire PO6 1TG  
Tel. +44 02392 381235 -  
[info.uk@clivet.com](mailto:info.uk@clivet.com)

**CLIVET LLC**

Office 508-511, Elektroavodskaya st. 24,  
Moscow, Russian Federation, 107023  
Tel. +7495 6462009 - [info.ru@clivet.com](mailto:info.ru@clivet.com)

**CLIVET MIDEAST FZCO**

Dubai Silicon Oasis (DSO), Headquarter, E Wing,  
EG04-05 Dubai, UAE  
Tel. +971 45015840 [info@clivet.ae](mailto:info@clivet.ae)

**Clivet South East Europe**

Jarušičica 9b  
10000, Zagreb, Croatia  
Tel. +3851 222 8784 - [info.see@clivet.com](mailto:info.see@clivet.com)

**CLIVET France**

10, rue du Fort de Saint Cyr - 78180 Montigny le  
Bretonneux, France  
[info.fr@clivet.com](mailto:info.fr@clivet.com)

**Clivet Airconditioning Systems Pvt Ltd**

Office No.501 & 502,5th Floor, Commercial -I,  
Kohinoor City, Old Premier Compound, Off LBS  
Marg, Kiroi Road, Kurla West, Mumbai  
Maharashtra 400070, India  
Tel. +91 22 30930200 - [sales.india@clivet.com](mailto:sales.india@clivet.com)