



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

Edge EVO 2.0 - EXC

WiSAN-YME 1 S 2.1÷14.1

ENERGY SAVING



Solar integration (optional - DHW tank)



Cascade



Smart Grid ready



€-Switch

COMFORT



Heating Cooling



DHW



Silent



High temperature

RELIABILITY



Backup heater (optional)



Eurovent



Keymark

HEALTH



Eco-friendly refrigerant



Renewable energy

CONVENIENCE



Weekly schedule



Boiler integration

MANAGEMENT AND CONNECTIVITY



Potential-free contact



User interface/thermostat



Modbus port



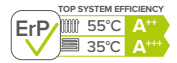
Wi-fi Control



ELFOControl management



Clivet Eye monitoring

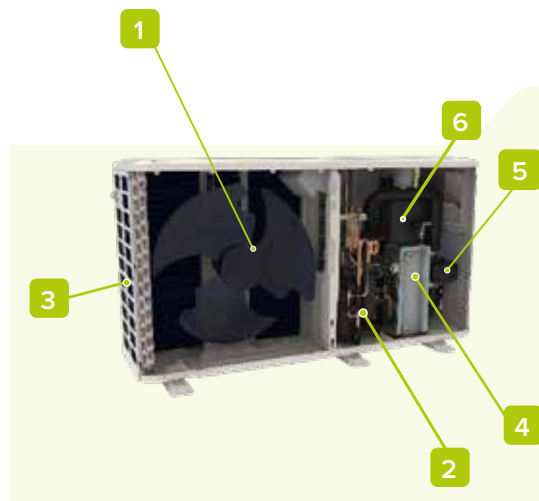


- ✓ Space saving: installed outdoors, no indoor unit is required
- ✓ Designed for harsh climates: excellent performance at low temperatures and optional 3 to 9kW auxiliary heaters
- ✓ High temperature distribution can be used: water up to 65°C
- ✓ Modular: combines up to 6 units in cascade for power up to 180kW
- ✓ Advanced connectivity: management via the dedicated MSmartLife App or via the Modbus port with ELFOControl³ EVO included as standard

Highly efficient even in winter



























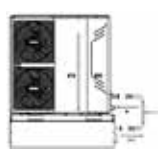




Edge EVO 2.0 - EXC is suitable for all climates and conditions. It is designed to be efficient and provide high temperature water even in harsh winters, down to -25°C: in particular, it can produce water at 60°C with the outdoor air down to -15°C.

For even tougher applications, an additional electric heater can be selected to ensure that there is no loss of performance even under the most extreme conditions.



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. 4,8L system expansion tank

accessories available

	KTFLX	Hose kit for connection to the chiller/heat pump		DIX	1-litre circuit breaker
	FDMX	Magnetic dirt separator filter		DI50-2X	50-litre circuit breaker
	ACS200X	200-litre domestic hot water storage tank		DI100X	100-litre circuit breaker
	ACS300X	300-litre domestic hot water storage tank			
	ACS500X	500-litre domestic hot water storage tank			
	SCS08X	0.8 m ² solar exchanger for flange installation <i>(for ACS200X e ACS300X)</i>		T1BX	DHW temperature probe and additional heating source at 10m
	SCS12X	1.2 m ² solar exchanger for flange installation <i>(for ACS500X)</i>		T1B30X	DHW temperature probe and additional heating source at 30m
	QERAX	Electrical panel for single-phase heater connection on DHW storage tank		PCSX	Secondary circuit pump
	3DHWX	3-way system/DHW switching valve		PCS2X	Oversized secondary circuit pump
	KCSX	Secondary circuit kit (1-litre circuit breaker + pump)		PRSX	DHW recirculation pump
	KIR2HLX	Double zone distribution unit: direct + mixed (with mixing valve)		HID-TCXBX	Black soft touch chronothermostat, with temperature control and management via App / Voice control
	KIRHX	Double zone distribution unit: direct + direct			HID-TCXNX
				SWCX	Switch IoT to be combined with HID-TConnect, for managing the heat pump mode or switching the terminal units/radiant systems ON/OFF
	VAGX	System freeze protection kit in the absence of electricity		IBHX	Single-phase back-up electric heater (2/4/6kW)
	ACS1000X	1000-litre domestic hot water storage tank		IBHTX	Three-phase back-up electric heater (3/6/9kW)
	ACS10SX	1000L domestic hot water storage tank with double coil for solar thermal connection		DTX	Auxiliary condensate collection tray
	QERATX	Electrical panel for three-phase heater connection on DHW storage tank		AMRX	Kit of antivibration mounts for floor installation
	TANKX	Buffer tank		AMMSX	Kit of antivibration anti-seismic mounts for floor installation
	KTCAx	Piping kit for the connection to the buffer tank		ASTFX	Kit of antivibration mounts for wall bracket installation
				KSIPX	Kit with wall fixing brackets
				VDACSX	Thermostatic switching valve for DHW

configurations

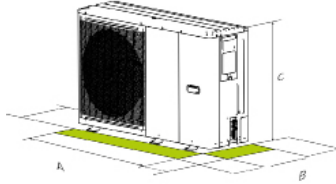
UNIT POWER SUPPLY (size 6.1÷8.1):

230M	Power supply 230/1/50
400TN	Power supply 400/3/50+N

AUXILIARY SYSTEM HEATER (size 6.1÷8.1, only in direct shipping):

-	No electrical heater
IBH	Back-up electrical heater

dimensions and connections



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

Back: 300 mm
Right side: 500mm (2.1÷8.1) / 600mm (9.1÷14.1)

Left side: 500mm (2.1÷8.1) / 300mm (9.1÷14.1)
Front: 1000mm (2.1÷3.1) / 1500mm (5.1÷8.1) / 3000mm (9.1÷14.1)

Size (230M)			2.1	3.1	4.1	5.1	6.1	7.1	8.1
Dimensions	Length(A) x Height (C) x Depth(B)		1.295x717x426		1.385x864x523				
Weight		kg	86		105		129		
		type/GWP	R-32 / 675						
Refrigerant charge		kg	1,4		1,75			1,75	
		CO ₂ tons	0,95		1,18			1,18	
External diameters	Water	inch	1"		1 1/4"				
Size (400TN)			6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1
Dimensions	Length(A) x Height (C) x Depth(B)		1.385x864x523			1.120x1.557x529			
Weight		kg	144			177			
		type/GWP	R-32 / 675						
Refrigerant charge		kg	1,75		5			5	
		CO ₂ tons	1,18		3,4			3,4	
External diameters	Water	inch	1 1/4"		1 1/4"				

technical data

Size (230M)				2.1	3.1	4.1	5.1	6.1	7.1	8.1	
Heating	Capacity	Water 35/30°C - Outdoor air 7°C	Nominal	kW	4,20	6,35	8,40	10,00	12,10	14,50	15,90
	COP		Nominal	-	5,10	4,95	5,15	4,95	4,95	4,60	4,50
	Capacity	Water 35/30°C - Outdoor air -7°C	Nominal	kW	4,70	6,00	7,00	8,00	10,00	12,00	13,10
	COP		Nominal	-	3,10	3,00	3,20	3,05	3,00	2,85	2,70
	Capacity	Water 45/40°C - Outdoor air 7°C	Nominal	kW	4,30	6,30	8,10	10,00	12,30	14,10	16,00
	COP		Nominal	-	3,80	3,70	3,85	3,75	3,70	3,60	3,50
Cooling	Capacity	Water 18/23°C - Outdoor air 35°C	Nominal	kW	4,50	6,50	8,30	9,90	12,00	13,50	14,20
	EER		Nominal	-	5,50	4,80	5,05	4,55	3,95	3,61	3,61
	Capacity	Water 7/12°C - Outdoor air 35°C	Nominal	kW	4,70	7,00	7,45	8,20	11,50	12,40	14,00
	EER		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	Heating 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	3,46
		ηs (seasonal output)		%	129	138	131	137	135	135	135
Medium climate	Heating 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	4,81	4,72
		ηs (seasonal output)		%	191	195	205	205	189	189	186
Outdoor unit					2.1	3.1	4.1	5.1	6.1	7.1	8.1
Power supply	Voltage/Frequency/Phases			V/Hz/n°	230/50/1						
Water flow-rate		Nominal		l/s	0,20	0,30	0,40	0,48	0,58	0,69	0,76
Pump available pressure	Water 35/30°C - 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			Nominal	dB(A)	55	58	59	60	65	65	68
Sound pressure @1m			Nominal	dB(A)	41	44	45	46	50	50	53
Operating range											
Water supply temperature	Heating	Minimum / Maximum	°C	30 / 65							
	Cooling	Minimum / Maximum	°C	5 / 25							
	DHW	Minimum / Maximum	°C	30 / 60							
Operating range (Outdoor air)	Heating	Minimum / Maximum	°C	-25 / 35							
	Cooling	Minimum / Maximum	°C	-5 / 43							
	DHW	Minimum / Maximum	°C	-25 / 43							
Size (400TN)					6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1
Heating	Capacity	Water 35/30°C - Outdoor air 7°C	Nominal	kW	12,10	14,50	15,90	18,00	22,00	26,00	30,00
	COP		Nominal	-	4,95	4,60	4,50	4,70	4,40	4,08	3,91
	Capacity	Water 35/30°C - Outdoor air -7°C	Nominal	kW	10,00	12,00	13,10	18,00	21,00	22,00	23,00
	COP		Nominal	-	3,00	2,85	2,70	2,70	2,60	2,50	2,45
	Capacity	Water 45/40°C - Outdoor air 7°C	Nominal	kW	12,30	14,10	16,00	18,00	22,00	26,00	30,00
	COP		Nominal	-	3,70	3,60	3,50	3,50	3,40	3,10	2,90
Cooling	Capacity	Water 18/23°C - Outdoor air 35°C	Nominal	kW	12,00	13,50	14,20	18,50	23,00	27,00	31,00
	EER		Nominal	-	3,95	3,61	3,61	4,75	4,60	4,30	4,00
	Capacity	Water 7/12°C - Outdoor air 35°C	Nominal	kW	11,50	12,40	14,00	17,00	21,00	26,00	29,50
	EER		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	10,60	12,50	13,80	14,50
Energy class				-	A++	A++	A++	A++	A++	A+	A+
Seasonal efficiency	Heating 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	133	133	125	126	123	123
Medium climate	Heating 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		-	4,72	4,62	4,62	4,60	4,53	4,50	4,20
		ηs (seasonal output)		%	186	182	182	181	179	177	165
Outdoor unit					6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1
Power supply	Voltage/Frequency/Phases			V/Hz/n°	400/50/3+N						
Water flow-rate		Nominal		l/s	0,58	0,69	0,76	0,86	1,05	1,25	1,44
Pump available pressure	Water 35/30°C - 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			Nominal	dB(A)	65	65	68	70	72	74	77
Sound pressure @1m			Nominal	dB(A)	50	50	53	55	56	58	61
Operating range											
Water supply temperature	Heating	Minimum / Maximum	°C	30 / 65							
	Cooling	Minimum / Maximum	°C	5 / 25							
	DHW	Minimum / Maximum	°C	30 / 60							
Operating range (Outdoor air)	Heating	Minimum / Maximum	°C	-25 / 35							
	Cooling	Minimum / Maximum	°C	-5 / 43							
	DHW	Minimum / Maximum	°C	-25 / 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).

ALWAYS READY FOR THE FUTURE

INSPIRING SOLUTIONS

For over 30 years of working on the design, manufacturing and distribution of air conditioning and handling systems, combining high efficiency with minimal environmental impact, Clivet has developed solutions to ensure sustainable comfort and the well-being of people and the environment.

Designing and developing year-round air conditioning solutions with innovative technologies are part of Clivet's DNA, which means the company has always been ready for the future.

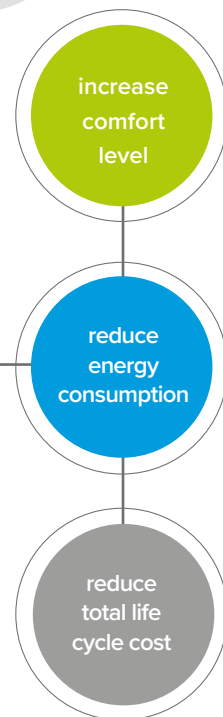


COMFORT FOR THE PLANET & PEOPLE

OUR VALUES

IN THE RESIDENTIAL, COMMERCIAL AND INDUSTRIAL SECTORS

Increasing comfort, saving energy and providing customers with the best value for the entire life cycle of the system: these are the values that inspire our systems for the residential, services and industrial sectors.



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Clivet, in compliance with Regulation 517/2014, informs that its products contain
or operate with the use of fluorinated greenhouse gases.

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

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