



AIR-TO-WATER PACKAGED MONOBLOC
HEAT PUMP FOR HEATING, COOLING AND
DOMESTIC HOT WATER PRODUCTION
ELFOEnergy Edge EVO 2.0



Distributed by



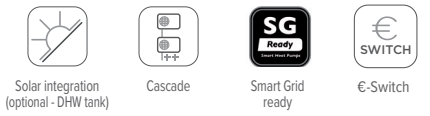
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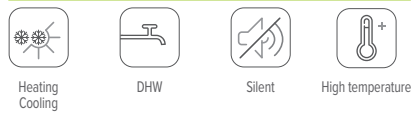
Edge EVO 2.0 - EXC

WiSAN-YME 1 S 2.1÷14.1

ENERGY SAVING



COMFORT



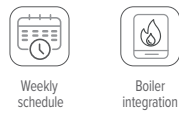
RELIABILITY



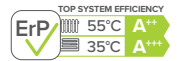
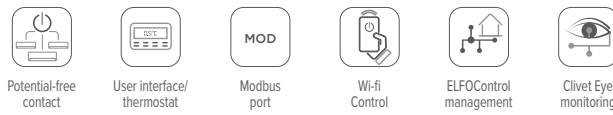
HEALTH



CONVENIENCE



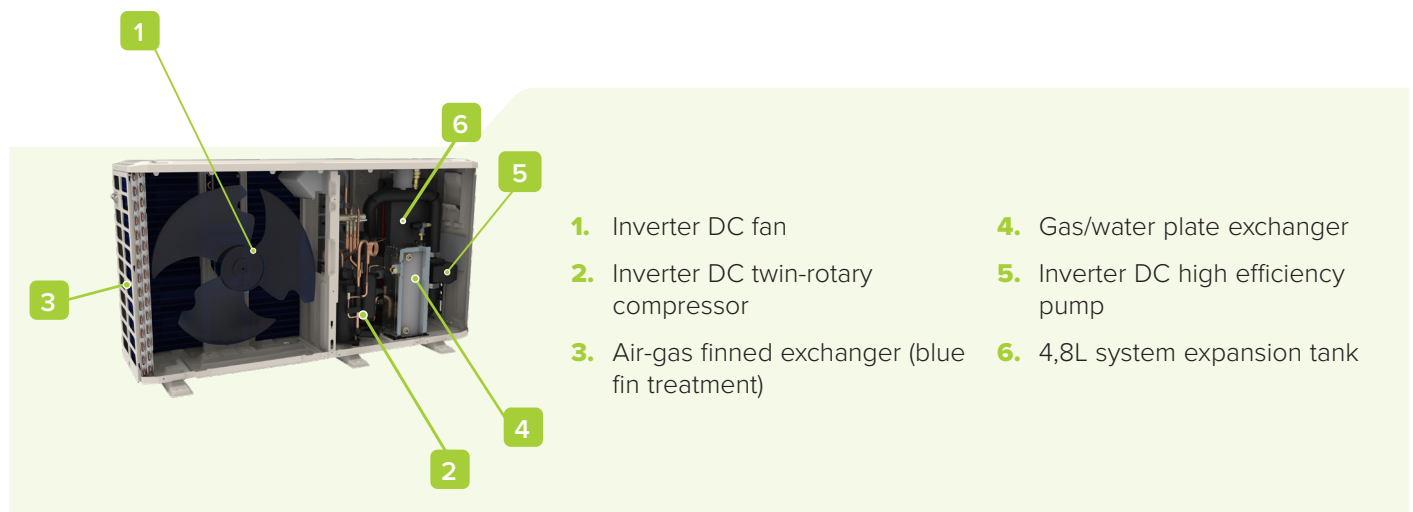
MANAGEMENT AND CONNECTIVITY



- ✓ 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.

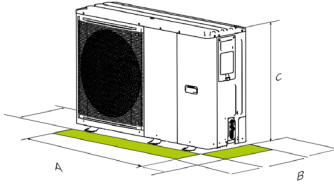


configurations

UNIT POWER SUPPLY (size 6.1÷8.1):

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

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)		1.295x718x429			1.385x865x526				
Weight		kg	86		105		129			
		type/GWP	R-32 / 675							
Refrigerant charge		kg	1,4			1,75				
		CO ₂ tons	0,95			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)		1.385x865x526			1.129x1.558x440				
Weight		kg	144		177					
		type/GWP	R-32 / 675							
Refrigerant charge		kg	1,75			5				
		CO ₂ tons	1,18			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	3,50	3,50	6,50	6,50	6,50	6,50	
	Energy class				-	A++	A++	A++	A++	A++	A++	
Seasonal efficiency Medium climate	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	3,36	3,49	3,46	3,46	3,46		
		ηs (seasonal output)	%	129	138	131	137	135	135	135		
	Energy class				-	A+++	A+++	A+++	A+++	A+++	A+++	
	Heating 35°C	Annual energy consumption	kWh/year	2.354	2.849	3.223	3.649	5.156	5.157	6.011		
		SCOP	-	4,85	4,95	5,21	5,19	4,81	4,81	4,72		
ηs (seasonal output)				%	191	195	205	205	189	189	186	
Indoor 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	Water 35/30°C - Outdoor air 7°C		Nominal	l/s	0,22	0,33	0,36	0,39	0,55	0,59	0,67	
Pump available pressure			Nominal	kPa	85,2	82,2	76,4	67,9	59,9	59,9	47,6	
Minimum system water content				l	20			40				
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	45	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	6,50	6,50	6,50	10,60	12,50	13,80	14,50
	Energy class				-	A++	A++	A++	A++	A++	A+	A+
Seasonal efficiency Medium climate	Heating 55°C	Annual energy consumption	kWh/year	7.214	7.894	7.895	11.396	14.363	17.116	19.552		
		SCOP	-	3,46	3,41	3,41	3,21	3,23	3,16	3,14		
		ηs (seasonal output)	%	135	133	133	125	126	123	123		
	Energy class				-	A+++	A+++	A+++	A+++	A+++	A+++	
	Heating 35°C	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	4,61	4,54	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	Water 35/30°C - Outdoor air 7°C		Nominal	l/s	0,55	0,59	0,67	0,81	1,00	1,24	1,41	
Pump available pressure			Nominal	kPa	47,6	33,1	33,1	101,9	94,6	78,8	59,4	
Minimum system water content				l	40			60				
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	57	59	61	63	
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								

PRELIMINARY DATA

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).

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

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Valid from: February 2022
DG22B027GB-00



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