

### NEW PRODUCT

## Edge EVO 2.0 - EXC

Reversible heat pump

Air cooled

Outdoor installation

Capacity from 4,70 to 29,5 kW



- ✓ Full inverter technology with rotary compressors
- ✓ High temperature solution for harsh climates
- ✓ Refrigerant R32 - GWP = 675
- ✓ High full load and seasonal efficiency with compact dimensions
- ✓ Hot water up to 65°C, chilled water down to 5°C, operation at -25°C
- ✓ Three acoustic configuration: standard, silenced and super-silenced
- ✓ Compatible with ELFOControl<sup>3</sup> EVO, photovoltaic system, solar thermal system and Smart Grid
- ✓ Available in the Hybrid version in combination with a condensing boiler for instant DHW production



Unit listed on  
www.eurovent-certification.com



compliant  
ErP



HYDRONIC

### functions and features



Heat pump



Air cooled



Outdoor installation



R-32



Hermetic rotary



Full inverter



Electronic expansion valve

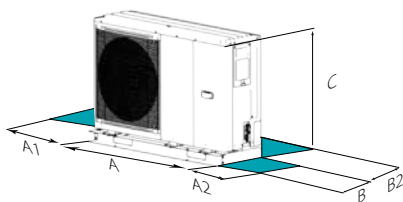


ELFOControl<sup>3</sup> EVO



Hybrid system

### dimensions and clearances



Size	▶▶ WiSAN-YME 1 S		2.1	3.1	4.1	5.1	6.1	7.1	8.1
230/1/50 A - Length	mm		1295	1295	1385	1385	1385	1385	1385
230/1/50 B - Width	mm		426	426	523	523	523	523	523
230/1/50 C - Height	mm		717	717	864	864	864	864	864
230/1/50 A1	mm		500	500	500	500	500	500	500
230/1/50 A2	mm		500	500	500	500	500	500	500
230/1/50 B2	mm		300	300	300	300	300	300	300
230/1/50 Operating weight	kg		86	86	105	105	129	129	129

Size	▶▶ WiSAN-YME 1 S		6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1
400/3N <sup>3</sup> /50 A - Length	mm		1385	1385	1385	1120	1120	1120	1120
400/3N <sup>3</sup> /50 B - Width	mm		523	523	523	528	528	528	528
400/3N <sup>3</sup> /50 C - Height	mm		864	864	864	1557	1557	1557	1557
400/3N <sup>3</sup> /50 A1	mm		500	500	500	300	300	300	300
400/3N <sup>3</sup> /50 A2	mm		500	500	500	600	600	600	600
400/3N <sup>3</sup> /50 B2	mm		300	300	300	300	300	300	300
400/3N <sup>3</sup> /50 Operating weight	kg		144	144	144	177	177	177	177

#### CAUTION!

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

The above mentioned data are referred to standard units for the constructive configurations indicated. For all the other configurations, refer to the relative Technical Bulletin.

PRELIMINARY DATA

## versions and configurations

VOLTAGE: (size 6.1÷8.1)

**230M** Supply voltage 230/1~/50  
**400TN** Supply voltage 400/3N~/50

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

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

## technical data

Size	▶▶ WiSAN-YME 1 S		2.1	3.1	4.1	5.1	6.1	7.1	8.1	
230/1~/50	◆ Cooling capacity (EN 14511:2018)	(1)	kW	4,70	7,00	7,45	8,20	11,5	12,4	14,0
230/1~/50	Total power input (EN 14511:2018)	(1)	kW	1,36	2,33	2,22	2,52	4,18	4,96	5,60
230/1~/50	EER (EN 14511:2018)	(1)	-	3,45	3,00	3,35	3,25	2,75	2,50	2,50
230/1~/50	SEER	(4)	-	4,99	5,34	5,83	5,98	4,89	4,86	4,69
230/1~/50	$\eta_{sc}$	(4)	%	196,5	210,7	230,1	236,2	192,4	191,4	184,5
230/1~/50	◆ Heating capacity (EN 14511:2018)	(2)	kW	4,30	6,30	8,10	10,0	12,3	14,1	16,0
230/1~/50	Total power input (EN 14511:2018)	(2)	kW	1,13	1,70	2,10	2,67	3,32	3,92	4,57
230/1~/50	COP (EN 14511:2018)	(2)	-	3,80	3,70	3,85	3,75	3,70	3,60	3,50
230/1~/50	Water flow-rate (User side)		l/s	0,29	0,34	0,38	0,41	0,55	0,59	0,67
230/1~/50	Useful pump discharge head		kPa	85,2	82,2	76,4	67,9	59,9	47,6	33,1
230/1~/50	Refrigeration circuits		Nr				1			
230/1~/50	No. of compressors		Nr				1			
230/1~/50	Type of compressors		-				ROTARY INVERTER			
230/1~/50	Refrigerant		-				R-32			
230/1~/50	Standard airflow		l/s	769	769	1119	1119	1128	1128	1292
230/1~/50	Sound pressure level	(3)	dB(A)	41	44	45	46	50	50	53
<b>Directive ErP (Energy Related Products)</b>										
230/1~/50	ErP Energy Class - AVERAGE Climate - W35		-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
230/1~/50	ErP Energy Class - AVERAGE Climate - W35		-	A++	A++	A++	A++	A++	A++	A++
230/1~/50	SCOP - AVERAGE Climate - W35	(4)	-	4,85	4,95	5,22	5,20	4,81	4,72	4,62
230/1~/50	$\eta_{SH}$	(4)	%	191,0	195,0	205,0	205,0	189,0	186,0	182,0
230/1~/50	SCOP - AVERAGE Climate - W35	(4)	-	3,31	3,52	3,37	3,47	3,45	3,47	3,41
230/1~/50	$\eta_{SH}$	(4)	%	129,0	138,0	131,0	137,0	135,0	135,0	133,0
Size	▶▶ WiSAN-YME 1 S		6.1T	7.1T	8.1T	9.1	10.1	12.1	14.1	
400/3N~/50	◆ Cooling capacity (EN 14511:2018)	(1)	kW	11,5	12,4	14,0	17,0	21,0	26,0	29,5
400/3N~/50	Total power input (EN 14511:2018)	(1)	kW	4,18	4,96	5,60	5,98	7,12	9,63	11,6
400/3N~/50	EER (EN 14511:2018)	(1)	-	2,75	2,50	2,50	3,05	2,95	2,70	2,55
400/3N~/50	SEER	(4)	-	4,86	4,83	4,67	4,70	4,69	4,66	4,48
400/3N~/50	$\eta_{sc}$	(4)	%	191,3	190,4	183,6	185,1	184,8	183,3	176,3
400/3N~/50	◆ Heating capacity (EN 14511:2018)	(2)	kW	12,3	14,1	16,0	18,0	22,0	26,0	30,0
400/3N~/50	Total power input (EN 14511:2018)	(2)	kW	3,32	3,92	4,57	5,10	6,50	8,40	10,3
400/3N~/50	COP (EN 14511:2018)	(2)	-	3,70	3,60	3,50	3,50	3,40	3,10	2,90
400/3N~/50	Water flow-rate (User side)		l/s	0,70	0,76	0,80	0,89	1,32	1,32	1,50
400/3N~/50	Useful pump discharge head		kPa	59,9	47,6	33,1	101,9	94,6	78,8	59,4
400/3N~/50	Refrigeration circuits		Nr				1			
400/3N~/50	No. of compressors		Nr				1			
400/3N~/50	Type of compressors		-				ROTARY INVERTER			
400/3N~/50	Refrigerant		-				R-32			
400/3N~/50	Standard airflow		l/s	1128	1128	1292	2958	2958	3108	3108
400/3N~/50	Sound pressure level	(3)	dB(A)	50	50	53	55	56	58	61
<b>Directive ErP (Energy Related Products)</b>										
400/3N~/50	ErP Energy Class - AVERAGE Climate - W35		-	A+++	A+++	A+++	A+++	A+++	A+++	A++
400/3N~/50	ErP Energy Class - AVERAGE Climate - W35		-	A++	A++	A++	A++	A++	A+	A+
400/3N~/50	SCOP - AVERAGE Climate - W35	(4)	-	4,81	4,72	4,62	4,60	4,53	4,50	4,20
400/3N~/50	$\eta_{SH}$	(4)	%	189,0	186,0	182,0	181,0	179,0	177,0	165,0
400/3N~/50	SCOP - AVERAGE Climate - W35	(4)	-	3,45	3,47	3,41	3,20	3,23	3,15	3,15
400/3N~/50	$\eta_{SH}$	(4)	%	135,0	135,0	133,0	125,0	126,0	123,0	123,0

(1) Data calculated in compliance with Standard EN 14511:2018 referred to the following conditions: Internal exchanger water temperature = 12/7°C; Entering external exchanger air temperature = 35°C  
(2) Data compliant to Standard EN 14511:2018 referred to the following conditions: - Internal exchanger water temperature = 40/45°C - Entering external exchanger air temperature = 7°C D.B./6°C W.B.  
(3) The sound levels refer to the unit at full load, in the rated test conditions. The sound pressure level refers to a distance of 1m from the external surface of the units operating in an open field. Measures according to UNI EN ISO 9614-2 regulations, with respect to the EUROVENT 8/1 certification. Data

referred to the following conditions: Internal exchanger water temperature = 12/7°C; Outdoor air temperature=35°C

(4) Data calculated according to the EN 14825:2018 Regulation  
The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 811/2013 (rated heat output ≤70 kW at specified reference conditions), the Commission delegated Regulation (EU) No 813/2013 (rated heat output ≤400 kW at specified reference conditions).

## accessories

**KTLFX** Hose kit for connection to the chiller/heat pump  
**FDMX** Magnetic dirt separator filter  
**VAGX** System freeze protection kit in the absence of electricity  
**ACS200X** 200-litre domestic hot water storage tank  
**ACS300X** 300-litre domestic hot water storage tank  
**ACS500X** 500-litre domestic hot water storage tank  
**ACS1000X** 1000-litre domestic hot water storage tank  
**ACS10SX** 1000L domestic hot water storage tank with double coil for solar thermal connection  
**SCS08X** 0.8 m<sup>2</sup> solar exchanger for flange installation (for ACS200X e ACS300X)  
**SCS12X** 1.2 m<sup>2</sup> solar exchanger for flange installation (for ACS500X)  
**QERAX** Electrical panel for single-phase heater connection on DHW storage tank  
**QERATX** Electrical panel for three-phase heater connection on DHW storage tank  
**3DHWX** Three-way valve for domestic hot water  
**KCSX** Secondary circuit kit (1-litre circuit breaker + pump)  
**KIRE2HLX** 2 zones: external kit, high temperature + low temperature (mixed)  
**KIRE2HX** 2 zones: external kit, high temperature  
**DIX** 1-litre circuit breaker  
**DI50-2X** 50-litre circuit breaker (to exhaustion)  
**DI100X** 100-litre circuit breaker

**T1BX** Probe for auxiliary heating source T1B  
**T1B30X** Probe for auxiliary heating source T1B30  
**TANKX** Buffer tank  
**KTCAX** Hose kit for connection to the inertial storage tank  
**PCSX** Secondary circuit pump  
**PCS2X** Oversized secondary circuit pump  
**PRSX** Oversized secondary circuit pump  
**VDACSX** Thermostat-controlled switching valve for domestic hot water  
**IBHX** Single-phase back-up electric heater (2/4/6kW)  
**IBHTX** Three-phase back-up electric heater (3/6/9kW)  
**DTX** Auxiliary condensate collection tray  
**AMRX** Kit of antivibration mounts for floor installation  
**AMMSX** Kit of antivibration anti-seismic mounts for floor installation  
**ASTFX** Kit of antivibration mounts for wall bracket installation  
**KSIPX** Kit with wall fixing brackets  
**HIDTCBX** Black HID-TConnect chronothermostat for temperature control  
**HIDTCNX** White HID-TConnect chronothermostat for temperature control  
**HTC2WX** White HID-TConnect chronothermostat<sup>2new</sup> for temperature control  
**SWCX** Switch IoT to be combined with HID-TConnect, for managing the heat pump mode or switching the terminal units radiant systems ON/OFF

Accessories whose code ends with "X" are supplied separately

Data contained in this document are not binding and may be changed by the Manufacturer without notice