



HEAT PUMP **JOBLOC R32** 22-30

Monobloc double-fan unit in air-to-water heat pump for cooling, heating and production of domestic hot water, for residential applications.

Available in capacities of 22, 26 and 30 kW.

The system can be installed by integrating it with additional heat sources. The monoblocs are already equipped with:

- internal pump
- 8-liter expansion vessel
- flow switch
- safety valve
- automatic air vent valve •

Smart grid

All units are SG Ready. Reading of the electrical network trend,



energy saving guaranteed.

Wide operation in every mode 22-30 kW

Maximum values of water flow temperature in relation to the external temperature.

HEATING MODE

Operation from -25°C to 35°C. Delivery temp. from 25°C to 60°C.







COOLING MODE

Operation from -5°C to 46°C. Delivery temp. from 5°C to 25°C.



COOLING MODE



DHW PRODUCTION

Operation from -25°C to 43°C. Delivery temp. for DHW from 30°C to 60°C.



DHW PR





- The heat pump works with possible limitations and protections
- If present, only the resistors are turned on, otherwise only the heat pump works but with limitations and protections



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Easy installation to ensure optimal efficiency

The compactness of the units ensures simple installation while respecting minimum spaces.

Frost protection and floor protection

All units are equipped with frost protection and floor protection.

Frost protection

The heat pump activates the heating for low temperature or for domestic hot water, in order to protect the hydraulic system.

Floor protection

The floor drying mode and the preheating mode protect the floor from deformations and breakages.

T 5 9 51 10 11 ۲ -Da 5 N 2 3 4 6 FHL2 FHL1 FHLn

APPLICATION 2: separate heating and cooling mode



APPLICATION 1: heating only mode with floor heating

APPLICATION 3: heating mode - double temperature



APPLICATION 4: Heating mode + Cooling mode + DHW production



APPLICATION 5: Heating mode and DHW production with boiler integration



APPLICATION 5a: heating mode and DHW production with boiler integration



APPLICATION 6: cascade configuration for heating, cooling, DHW production, with boiler/solar thermal integration



Control

All units are R32 and are equipped with wired remote control and integrated Wi-Fi module.

Modbus control

- Up to 16 controllers managed on the same line.
- Maximum line length 150 m.
- Allows construction of large centralized/ decentralized systems depending on needs.



HOT GREEN POWER



Technical specifications R32 heat pump

ENERGY CLASS

A + + + (22 - 26 kW)

In heating mode with **35° C** flow water In heating mode with **35° C** flow water temperature.

A++ (22 kW)

In heating mode with **55° C** flow water temperature.

A++ (30,1 kW)

temperature.

A+ (26-30,1 kW)

In heating mode with **55° C** flow water temperature.



Model				GPCWSMS 2200 Z	GPCWSMS 2600 Z	GPCWSMS 3000 Z	
Heating	Rated power	A7//W35	1111	22.00	26.00	30.10	
	Electrical consumption		KVV	5.00	6.37	7.70	
	Coefficient of performance		COP	4.40	4.08	3.91	
	Rated power	A7/W45	LAM	22.00	26.00	30.00	
	Electrical consumption		KW	6.47	8.39	10.35	
	Coefficient of performance		COP	3.40	3.10	2.90	
Cooling	Rated power	A35//W18	kW	23.00	27.00	31.00	
	Electrical consumption			5.00	6.28	7.75	
	Energy efficiency		EER	4.60	4.30	4.00	
	Rated power	A35//W7	LAM	21.00	26.00	29.50	
	Electrical consumption		KVV	7.12	9.63	11.57	
	Energy efficiency		EER	2.95	2.70	2.55	
Seasonal heating data	Theoretical load (Pdesignh) @ -10°C	35/55	kW	22.00/22.00	25.00/26.00	29.00/30.00	
	Seasonal energy efficiency(ns)		%	178/126	177/123	165/123	
	Energy efficiency class		-	A+++/A++	A+++/A+	A++/A+	
	Annual energy consumption		kWh/y	10180/14390	11489/17204	14165/19316	
Operation range	Outdoor air temperature	Heating		-25~35			
		Cooling	°C	-5~46			
		DHW		-25~43			
	Delivery water temperature	Heating	°C	25~60			
		Cooling		5~25			
		DHW		30~60			
Refrigerant circuit data	Refrigerant1		Type (GWP)	R32 (675)			
	Quantity (tons CO2)		kg (t)	5.0 (3.375)			
	Control system			Electronic expansion valve			
	Compressor		Туре	Twin Rotary – DC Inverter			
Hydraulic data	Heat exchanger	Туре			Stainless steel with brazed plates		
		Flow rate	m³/h	3.8	4.5	5.2	
	Circulation pump			Included			
	Water pipe connections	Туре			Threaded		
		Dimension	inches		1-1/4" BSP		
	Max working pressure		bar	3			
	Expansion vessel	Volume	L	8			
		Precharge	bar	1.0			
Electrical data	Power supply		Ph/V/Hz		3ph+N / 380~415V / 50Hz		
	Maximum current		A	28.00			
	Power cable (recommended)		Туре	5x6 mm ²	5x6 mm ²	5x6 mm ²	
Product specifications	Fan	Туре	q.ty	DC Inverter x 2	DC Inverter x 2	DC Inverter x 2	
		Air flow	m³/h	11000	11300	11300	
	Sound power level		dB(A)	73	75	77	
	Sound pressure level at 1 m		dB(A)	59.8	61.5	63.5	
	Dimensions	WxDxH	mm	1129x440x1558	1129x440x1558	1129x440x1558	
	Weight	Net	kg	177	177	177	
	Control (supplied)				Wired controller DHW7 CEM-7		

GENERAL NOTE:

The above data refers to the following standards: EN 14511:2018; EN 14825:2019; EN50564:2011; EN12102-1:2018; EN12102-2:2019; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

1. Refrigerant leakage contributes to climate change. Refrigerants with a lower global warming potential (GWP) contribute less to global warming when released into the atmosphere than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. Therefore, if 1 kg of this refrigerant were released into the atmosphere, the impact on global warming would be 675 times greater than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user attempt to intervene on the refrigeration circuit or disassemble the product. If necessary, always contact qualified personnel.

