

HEATING

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MONOBLOC R32

NEW

OUTDOOR UNITS



Single phase 5-7-9 kW
HCEWMS 500 Z
HCEWMS 700 Z
HCEWMS 900 Z



Single phase 12-14-16 kW
HCEWMS 1200 - 1400 - 1600 Z
Three-phase 12-14-16 kW
HCVWMS 1202 - 1402 - 1602 Z

DUAL STAGE COMPRESSOR



The dual stage compressor reduces possible vibrations during rotation, effectively dampening noise.

BROAD OPERATING RANGE



COOLING

-5°/+46°
(external temperature)

PRODUCT PLUSES



3 operating modes

Auto, cooling, heating.



Disinfect

Activation of the anti-legionella function.

CIRCULATOR



Circulation pump included.



HEATING

-25°/+35°
(external temperature)



Timer

Daily and weekly.



Silent mode

Setting of two sound dampening levels and two timers.



DHW PRODUCTION

-25°/+43°
(external temperature)



Holiday mode

Timer setting during a selected period.



Recirculation pump

Pump on and off settable using the timer.

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4 OPERATING MODES

- COOLING
- HEATING
- DOMESTIC HOT WATER PRODUCTION
- AUTOMATIC

3 COMBINED OPERATING MODES



HEATING + DHW operating mode

- COOLING + DHW
- HEATING + DHW
- AUTOMATIC + DHW

SYSTEM

Climatic curve management

The system allows the user to set 2 curves for each thermal zone:

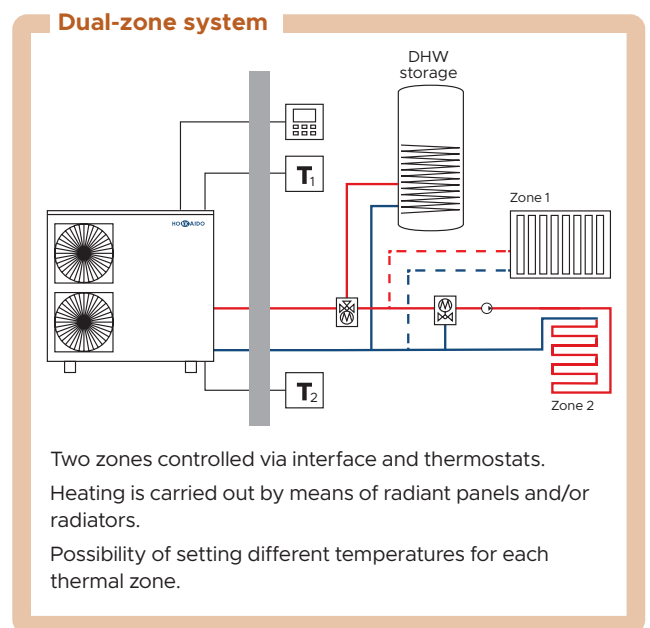
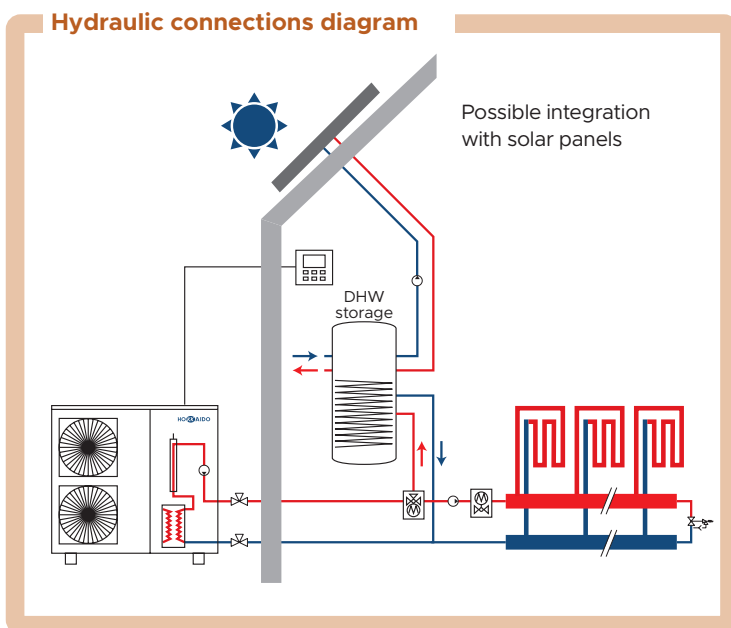
- Climatic curve in heating mode
- Climatic curve in cooling mode

Up to 8 different climate curves can be selected for each mode, depending on the external ambient temperature.

INSTALLATION FLEXIBILITY

The monobloc in R32 has extensive installation flexibility. Depending on the needs of the end user, the system allows you to:

- Heat and cool rooms with radiant floors, high efficiency radiators and/or fancoils
- Product domestic hot water
- Integrate the tank with thermal solar panels
- Set the maximum operating current



HEATING



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Single phase 5-7-9 kW
HCEWMS 500 Z
HCEWMS 700 Z
HCEWMS 900 Z

ENERGY EFFICIENCY CLASS

A+++

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

ENERGY EFFICIENCY CLASS

A++

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

Model				HCEWMS 500 Z	HCEWMS 700 Z	HCEWMS 900 Z
Heating	Rated power	A7//W35	kW	4.65	6.65	8.60
	Electrical absorption		COP	0.93	1.35	1.87
	Performance coefficient			5.00	4.93	4.60
	Rated power	A7//W45	kW	4.80	6.70	8.60
	Electrical absorption		COP	1.33	1.88	2.50
	Performance coefficient			3.61	3.56	3.44
	Seasonal energy efficiency (ηs)	35/55	%	176/127	176/127	177/126
Energy efficiency class	35/55	-	A+++/A++	A+++/A++	A+++/A++	
Cooling	Rated power	A35//W18	kW	4.60	6.45	8.00
	Electrical absorption		EER	0.95	1.39	1.92
	Energy efficiency			4.84	4.64	4.17
	Rated power	A35//W7	kW	4.85	6.30	7.95
	Electrical absorption		EER	1.63	2.27	3.15
	Energy efficiency			2.98	2.78	2.52
Operating limits	Outside air temperature	Heating	°C	-25~35		
		Cooling		-5~43		
		DHW		-25~43		
	Delivery water temperature	Heating	°C	25~60		
		Cooling		5~25		
		DHW		40~60		
Refrigerant	Type (GWP)		R32 (675)			
	Quantity (tons CO2)	kg (t)	2.0 (1.350)			
	Control system		Electronic expansion valve			
Type of compressor			Twin Rotary - DC Inverter			
Internal circulator	Model		WILO Yonos PARA RS 15/6 RKC			
Expansion tank	Volume	L	2			
	Pre-load	bar	1.5			
Hydraulic connections	Water inlet/outlet	Inches	1"M	1"M	1"M	
	Power	Ph-V-Hz	1ph-220~240V-50Hz			
Electrical data	Maximum current	A	14.1			
	Power cable	type	3x4 mm ²			
	Control	Standard	Wire remote control			
Sound pressure level at 1 m	Max	dB(A)	48.8	52.3	54.5	
Sound power level	Max	dB(A)	61	64	67	
Dimensions	LxDxH	mm	1210x402x945			
Net weight		kg	92			

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

HEATING



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Single phase 12-14-16 kW
HCEWMS 1200 - 1400 - 1600 Z
 Three-phase 12-14-16 kW
HCVWMS 1202 - 1402 - 1602 Z

ENERGY EFFICIENCY CLASS
A++

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

ENERGY EFFICIENCY CLASS
A++

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

Model				HCEWMS 1200 Z	HCEWMS 1400 Z	HCEWMS 1600 Z	HCVWMS 1202 Z	HCVWMS 1402 Z	HCVWMS 1602 Z	
Heating	Rated power	A7//W35	kW	12.30	14.10	16.30	12.30	14.10	16.30	
	Electrical absorption			2.56	3.07	3.66	2.54	3.05	3.63	
	Performance coefficient			4.80	4.59	4.45	4.84	4.62	4.49	
	Rated power	A7//W45	kW	12.40	14.10	16.20	12.40	14.10	16.20	
	Electrical absorption			3.52	4.06	4.72	3.45	3.99	4.70	
	Performance coefficient			3.52	3.47	3.43	3.59	3.53	3.45	
	Seasonal energy efficiency (ηs)	35/55	-	%	169/126	168/128	169/128	169/126	168/128	169/128
Energy efficiency class	35/55	A++/A++			A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Cooling	Rated power	A35//W18	kW	12.20	14.00	15.50	12.20	14.00	15.50	
	Electrical absorption			2.55	3.10	3.64	2.53	3.11	3.63	
	Energy efficiency			4.78	4.52	4.26	4.82	4.50	4.27	
	Rated power	A35//W7	kW	10.90	12.90	13.80	10.90	12.90	13.80	
	Electrical absorption			3.74	4.64	5.21	3.72	4.62	5.19	
	Energy efficiency			2.91	2.78	2.65	2.93	2.79	2.66	
Operating limits	Outside air temperature	Heating	°C	-25~35			-25~35			
		Cooling		-5~46			-5~46			
		DHW		-25~43			-25~43			
	Delivery water temperature	Heating	°C	25~60			25~60			
		Cooling		5~25			5~25			
		DHW		40~60			40~60			
Refrigerant	Type (GWP)			R32 (675)			R32 (675)			
	Quantity (tons CO2)	kg (t)		2.8 (1.890)			2.8 (1.890)			
	Control system			Electronic expansion valve			Electronic expansion valve			
Type of compressor			Twin Rotary - DC Inverter			Twin Rotary - DC Inverter				
Internal circulator	Model		WILO Yonos PARA RS 25/7.5 RKC			WILO Yonos PARA RS 25/7.5 RKC				
Expansion tank	Volume	L		5			5			
	Pre-load	bar		1.5			1.5			
Hydraulic connections	Water inlet/outlet	Inches		1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	
	Power	Ph-V-Hz		1ph-230V-50Hz			3ph-400V-50Hz			
Electrical data	Maximum current	A		26.8			11			
	Power cable	type		3x6 mm ²			5x2.5 mm ²			
Control	Standard		Wire remote control			Wire remote control				
Sound pressure level at 1 m	Max	dB(A)		57.6	58	58.1	57.2	58.1	59	
Sound power level	Max	dB(A)		68	71	71	68	71	71	
Dimensions	LxDxH		mm		1404x405x1414			1404x405x1414		
Net weight			kg		158			172		

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.