

INverter



8,5 to 16,2 kW



7,4 to 14,0 kW



SYSHP MINI 07-16

R32 Air Cooled Mini Heat Pumps



R32

SYSHP MINI 07-16

Mini Heat Pump Monobloc Series

 7,4 to 14,0 kW  8,5 to 16,2 kW



INverter



RESIDENTIAL



OFFICES



HOTELS



SHOPS

- R32 refrigerant
- Cooling capacity from 7,4 to 14,0 kW
- Heating capacity from 8,5 to 16,2 kW
- SEER (LWT 18°C) up to 8,31
- SCOP (LWT 35°C) up to 5,18

Product Advantages

- Cooling, heating and DHW production
- Leaving water temperature up to 65 °C
- Operation guaranteed down to -25 °C in heating mode and DHW production
- Low GWP (675) R32 refrigerant
- High efficiency and low noise thanks to the DC Twin-rotary inverter compressor
- Integration with solar panel and gas boiler
- Cascade control up to 6 units
- Smart Grid function for photovoltaic systems
- Possibility of remote control with dedicated App or via Modbus port



 Air cooled



High efficiency



Silent mode



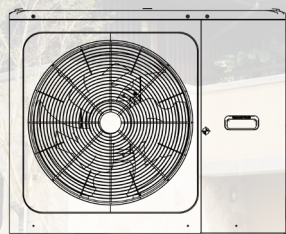
DHW



DC Motor

Equipment

- One refrigerant circuit with a DC Twin-rotary compressor
- Hydronic components included: water pump, expansion vessel, plate heat exchanger, flow switch, safety valve, water filter
- Programmable remote control
- Electronic expansion valve
- Axial fan with DC motor
- Control via Wi-Fi or Modbus



Technical Data

SYSHP MINI - Heat Pump			07 EVO-P Q	09 EVO-P Q	12 EVO-P Q	16 EVO-P Q	16 EVO-P R	
Cooling	Cooling Capacity ¹	kW	8,3	10	12,2	15,4	15,4	
	Power input ¹	kW	1,71	2,33	2,65	3,67	3,67	
	EER ¹		4,85	4,3	4,6	4,2	4,2	
	SEER (LWT 18°C) ³		8,09	8,31	7,79	7,49	7,54	
	Cooling Capacity ²	kW	7,4	9	11,6	14	14	
	Power input ²	kW	2,35	3,1	3,74	4,83	4,83	
	EER ²		3,15	2,9	3,1	2,9	2,9	
	SEER (LWT 7°C) ³		5,19	5,08	5,07	5,11	5,14	
Heating	Heating Capacity ⁴	kW	8,4	10	12,2	16	16	
	Power input ⁴	kW	1,66	2,13	2,49	3,56	3,56	
	COP ⁴		5,05	4,7	4,9	4,5	4,5	
	Heating Capacity ⁵	kW	8,5	10,2	12,5	16,2	16,2	
	Power input ⁵	kW	2,24	2,8	3,38	4,7	4,7	
	COP ⁵		3,8	3,65	3,7	3,45	3,45	
	Heating Capacity ⁶	kW	8,2	9,4	12	16	16	
	Power input ⁶	kW	2,6	3,03	4	5,61	5,61	
	COP ⁶		3,15	3,1	3	2,85	2,85	
		SCOP (LWT 35°C) ³		5,18	5,12	5,08	4,84	4,84
		η _{sh} / Energy class (LWT 35°C) ³		204 / 	201,9 / 	200,1 / 	190,5 / 	190,5 / 
		SCOP (LWT 55°C) ³		3,67	3,71	3,62	3,59	3,59
		η _{sh} / Energy class (LWT 55°C) ³		143,6 / 	145,5 / 	141,6 / 	140,6 / 	140,6 / 
Sound power level ⁷		dB(A)	63	65	70	72	72	
Sound pressure level ⁸		dB(A)	51	53	56	58	58	
Power supply		V/Ph/Hz	220-240/1/50				380-415/3/50	

¹ According EN14511: chilled water inlet/outlet temperature: 23/18°C, outdoor ambient temperature 35°C DB.

² According EN14511: chilled water inlet/outlet temperature: 12/7°C, outdoor ambient temperature 35°C DB.

³ According EN14825.

⁴ According EN14511: warm water inlet/outlet temperature: 30/35°C, outdoor ambient temperature 7°C DB/6°C WB.

⁵ According EN14511: warm water inlet/outlet temperature: 40/45°C, outdoor ambient temperature 7°C DB/6°C WB.

⁶ According EN14511: warm water inlet/outlet temperature: 47/55°C, outdoor ambient temperature 7°C DB/6°C WB.

⁷ Sound power level values refers to ISO 3744 standard.

⁸ Sound pressure level tested 1m away in front of the unit in free field.

* ERP Compliant: Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps

Physical features

SYSHP MINI - Heat Pump		07 EVO-P Q	09 EVO-P Q	12 EVO-P Q	16 EVO-P Q	16 EVO-P R	
Hydraulic data							
Water piping connections Diameter		inch	1" Male BSP		1 - 1/4" Male BSP		
Weight							
Net / Gross weight		kg	87/103	87/103	106/122	106/122	120/136
Dimensions							
Length		mm	1.040	1.040	1.040	1.040	1.040
Width		mm	410	410	410	410	410
Height		mm	865	865	865	865	865

Operating limits

SYSHP MINI 07-16			
Cooling	Leaving water temperature	°C	from +5 to +25
	Outdoor air temperature	°C	from -5 to +43
Heating	Leaving water temperature	°C	from +25 to +65
	Outdoor air temperature	°C	from -25 to +35
DHW Production	Leaving water temperature	°C	from +40 to +60
	Outdoor air temperature	°C	from -25 to +43



Technical Documentation

Find our complete documentation on the application **MEDIA CENTER** by Systemair
Also available at: www.systemair.com



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Systemair - LEAF SYSHIP MINI-4P-S-5GB(02.23)
As part of our ongoing product improvement programme, our products are subject to change without prior notice. Non contractual photos.