



C.P.A. S.R.L.

HEAT PUMPS BLUEFIRE SERIES



C.P.A. srl

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Description

The BLUEFIRE heat pump, marketed by C.P.A. srl, has a technology based on the use of an electronic expansion valve that regulates the gas flow with extreme precision, allowing constant heating to be maintained in the refrigeration system.

Furthermore, the new heat pump is characterized in its operation by defrosting by reverse cycle which thus allows it to operate even with a very low external air temperature (up to 0 °), more quickly and more effectively than other systems. defrost.

The external body of the heat pump body is in metal sheet with protective spray paint. The protection and wintering cover is optional.

Main features:

- 1- Titanium heat exchanger with high corrosion resistance
- 2- LCD display with control panel and water temperature check
- 3- R410A refrigerant respecting the environment.
- 4- Protection for the high and low pressure of the refrigerant circuit
- 5- Automatic protection stop for excess temperature.
- 6- Self-defrosting to guarantee optimal operation even in low temperature environments
- 7- Steel body with pre-painting fixed to the oven
- 8- Constant heating and cooling function usable for swimming pools and SPAs
- 9- Anti-running idle flow sensor

JUNIOR SERIES TECHNICAL FEATURES

Measurement conditions:

External air temperature: 24 ° C / 19 ° C, inlet water temperature: 27 ° C

Code	1041130	1041131	1041138	1041132
Model ²	SBR-3.8H-B	SBR-5.3H-B	SBR-9.5-H-B	SBR-11.3-H-B
Heating power [kW]	3,80	5,30	9,50	11,30
Cooling power [kW]	2,7	3,7	6,7	8,0
C.O.P.	4,80	4,9	4,90	4,80
EER	3,50	3,50	3,50	3,50
Recommended water flow [m ³ /h]	2 a 4	2 a 4	4 a 7	5 a 8
Nominal consumption [kW]	0,79	1,08	1,94	2,35
Power supply [V]	230-50 Hz	230-50 Hz	230-50 Hz	230-50 Hz
Nominal absorption [A]	3,60	5,00	8,80	10,70
Loss of pressure Kpa	10	12	15	15
Heat exchanger	Body titanium metallic	Body titanium metallic	Body titanium metallic	Body titanium metallic
R410A peso [kg]	0,60	0,67	1,00	1,40
Acoustic power [dB _a] a 1 m	47	49	53	55
Type of compressor	Rotative	Rotative	Rotative	Rotative
Hydraulic fitting [mm]	50	50	50	50
Net weight [kg]	44	52	63	97
Tub recommended volume [m ³]	15 a 20	24 a 30	40 a 50	40 a 50

SENIOR SERIES TECHNICAL FEATURES

Measurement conditions:

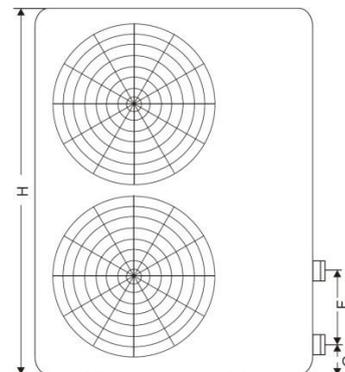
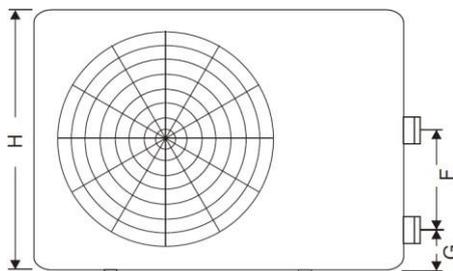
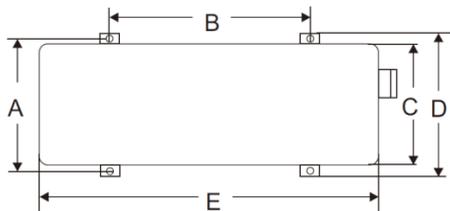
External air temperature: 24 ° C / 19 ° C, inlet water temperature: 27 ° C

Codice	1041133	1041134	1041139	1041135	1041136	1041143	1041137
Model ²	SBR-14.0H-B	SBR-17.0H-B	SBR-17.0H-B-S	SBR-21.0H-B-S	SBR-26.0H-B-S	SBR-35.0H-A-S	SBR-45.0H-A-S
Heating power [kW]	14,00	17,00	17,00	21,00	26,00	35,00	45,00
Cooling power [kW]	10,00	12,00	12,00	15,00	18,2	25,00	32,00
C.O.P.	4,80	4,60	4,60	4,60	4,60	4,50	4,50
EER	3,50	3,50	3,30	3,30	3,30	3,20	3,20
Recommended water flow [m ³ /h]	5 a 8	5 a 8	5 a 8	6 a 10	6 a 10	8 a 15	8 a 15
Nominal consumption [kW]	2,91	3,70	3,70	4,55	5,65	7,90	9,90
Power supply [V]	230-50 Hz	230-50 Hz	400-50 Hz				
Nominal absorption [A]	13,10	17,60	5,9 x 3	7,2 x 3	8,9 x 3	12,6 x 3	15 x 3
Loss of pressure Kpa	15	16	16	16	16	18	18
Heat exchanger	Body titanium metallic						
R410A peso [kg]	1,65	1,80	1,80	2,43	2,60	2,2 x 2	2,30 x 2
Acoustic power [dB _a] a 1 m	55	58	58	60	60	61	62
Type of compressor	Rotative	Rotative	Scroll	Scroll	Scroll	Scroll	Scroll
Hydraulic fitting [mm]	50	50	50	50	50	63	63
Net weight [kg]	120	132	132	143	145	215	255
Tub recommended volume [m ³]	45 a 63	60 a 80	60 a 80	70 a 95	100 a 120	120 a 160	160 a 200

Dimensions

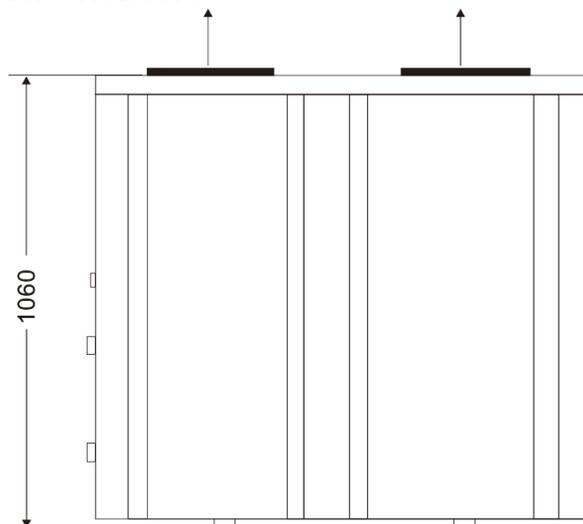
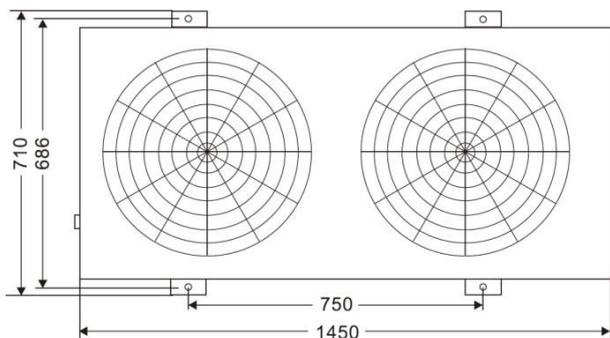
SBR-3.8H-B, SBR-5.3H-B, SBR-9.5H-B
SBR-11.3H-B, SBR-14.0H-B, SBR-17.0H-B,
SBR -17.0H-B-S

SBR-21.0H-B-S
SBR-26.0H-B-S



Model ¹	A	B	C	D	E	F	G	H
SBR-3.8H-B	330	685	285	360	935	290	70	520
SBR-5.3H-B	330	685	285	360	935	290	70	520
SBR-9.5H-B	330	640	305	370	1010	250	80	585
SBR-11.3H-B	440	760	425	470	1115	400	80	690
SBR-14.0H-B	440	760	425	470	1115	400	80	690
SBR-17.0H-B	440	760	425	470	1115	400	80	940
SBR-21.0H-B-S	440	760	425	470	1115	550	80	1250
SBR-26.0H-B-S	440	760	425	470	1115	550	80	1250

SBR - 35.0H-A-S / SBR - 45.0H-A-S



N.B.:

1. The letter "s" indicates that the machine must be powered with three-phase current.
2. The operation of the heat pumps is guaranteed within a temperature range that varies between 0 ° C and + 43 ° C.

Note:

The information contained in this document may vary at the discretion of the editor, without notice, together with the modifications of the product in question in this document: it will be the responsibility of the customer when ordering, check the persistent correspondence of the product to the information sheet.

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