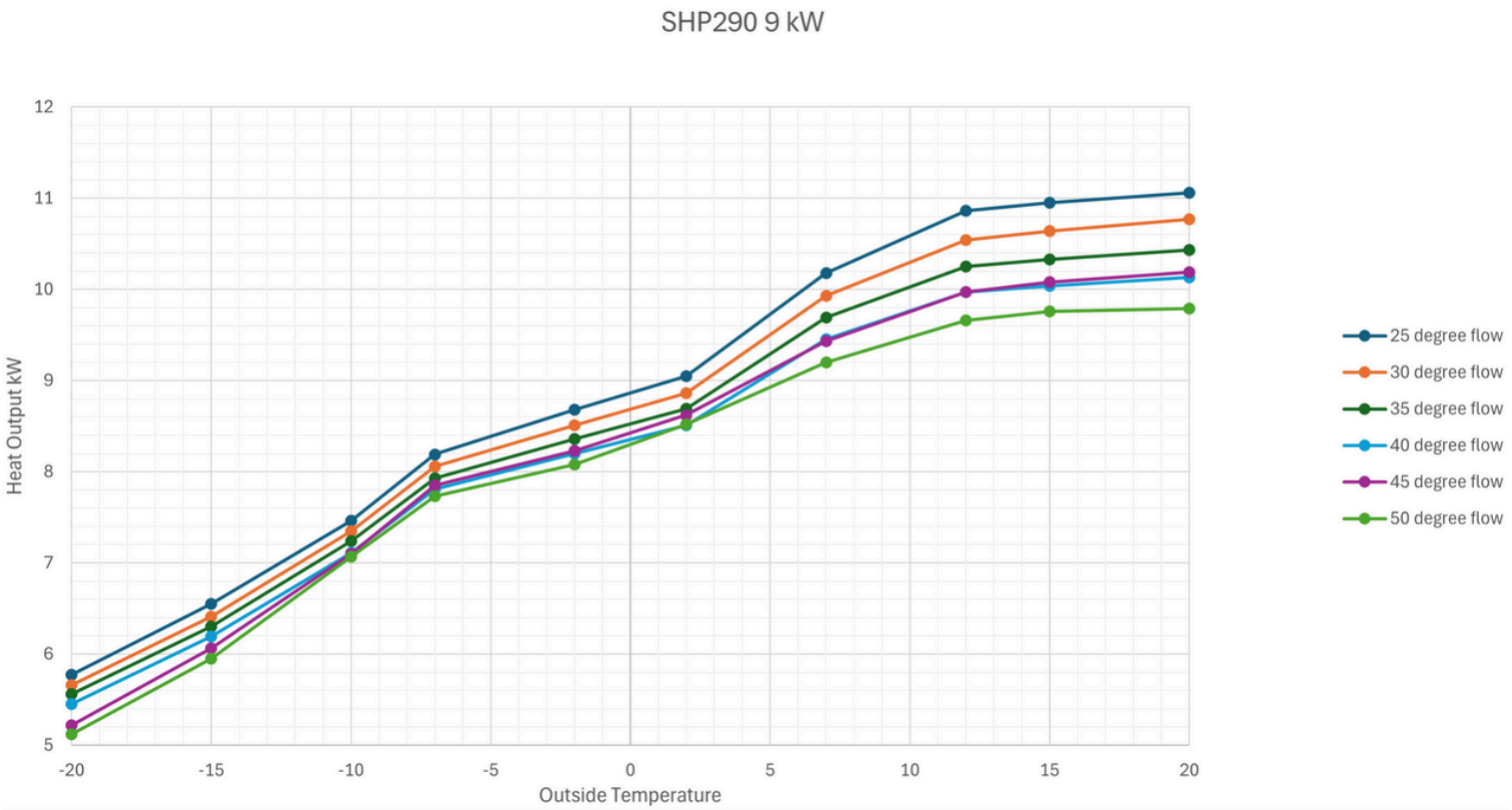
Issue 1 10/12/2025

SHP290	Datasheet

SHP290 9 kW Heat Pump
R290 Gas



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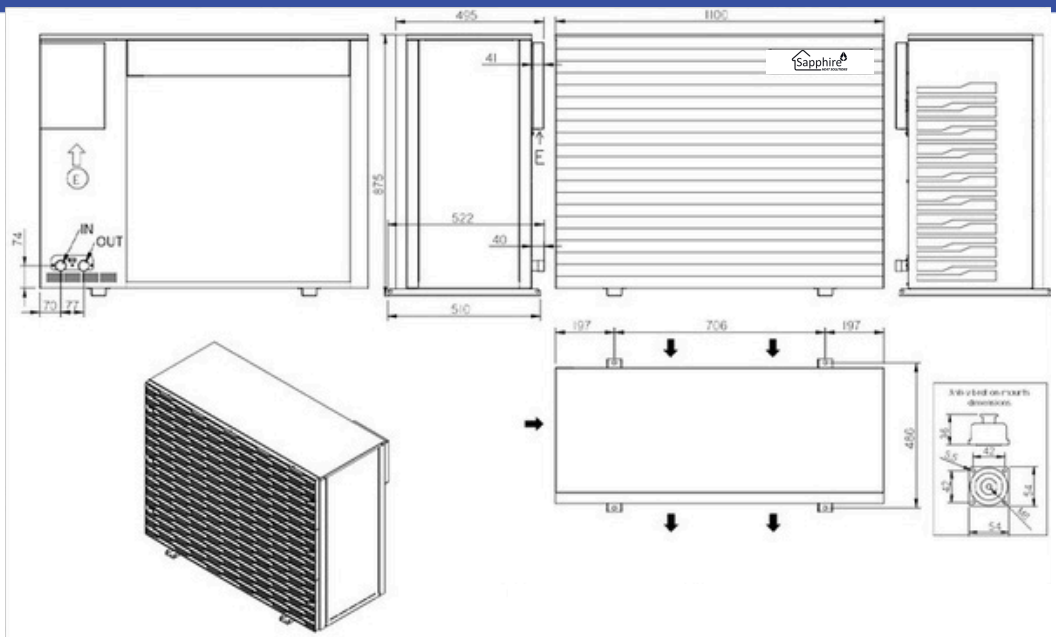
SHP290	Datasheet

SHP290 9 kW Heat Pump
R290 Gas

Cooling		
Cooling capacity (1)	kW	9,2* / 8,6
Power input (1)	kW	2,8
E.E.R. (1)	W/W	3,1
Cooling capacity (2)	kW	9,9* / 9,15
Power input (2)	kW	1,93
E.E.R. (2)	W/W	4,74
SEER (5)	W/W	5,4
Water flow rate (1)	L/s	0,4
Useful head (1)	kPa	57
Heating		
Heating capacity (3)	kW	10,4 / 9,69
Power input (3)	kW	2,05
C.O.P. (3)	W/W	4,72
Heating capacity (4)	kW	9,75* / 9,1
Power input (4)	kW	2,9
C.O.P. (4)	W/W	3,2
Heating capacity (11)	kW	9,81* / 9,1
Power input (11)	kW	3,4
C.O.P. (11)	W/W	2,7
SCOP (6)	W/W	5,2
Water flow rate (3)	L/s	0,4
Useful head (3)	kPa	52
Energy efficiency (Water 35°C-65°C)		A+++/A+++

Compressor		
Type		Twin Rotary DC Inverter
Compressors	n°	1
Refrigerant circuits	n°	1
Refrigerant quantity (7)	kg	0,75
Hydraulic circuit		
Plumbing fittings	inch	G1"
Minimum water volume (8)	L	95
Noise level		
Sound power (9)	dB(A)	58
Sound pressure at 1m distance (10)	dB(A)	43
Electrical data		
Power supply		230V/1/50Hz
Maximum power input	kW	4
Maximum input current	A	21
Weight		
Shipping weight	kg	119

SCOP-UK	
Flow Temperature	SCOP
35°C	4.57
50°C	3.96
65°C	3.24



• PERFORMANCE REFERRING TO THE FOLLOWING CONDITIONS:

1. Cooling: outdoor air temperature 35°C; in/out water temperature 12/7°C.
2. Cooling: outdoor air temperature 35°C; in/out water temperature 23/18°C.
3. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 30/35°C.
4. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 47/55°C.
5. Cooling: low temperature, variable output, fixed flow rate.
6. Heating: average climatic conditions; Tbiv=-7°C; low temperature, variable output, fixed flow rate.
7. Indicative data subject to changes. For the correct value, always refer to the technical label on the unit.
8. Calculated for a decrease in system water temperature of 10°C with a defrost cycle lasting 6 minutes.
9. Sound power: heating mode according to EN 12102:2022; value determined on the basis of measurements made in accordance with UNI EN ISO 9614-1, in compliance with Eurovent certification requirements.
10. Sound pressure: value calculated from the sound power level using the standard ISO 3744:2010 at a distance of 1 m.
11. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 55/65°C.

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