MADE IN RADIANT

NEW Hydronic Heat Pump Ri-HL

Heat Pump Models
RI-HL 06
RI-HL 09
RI-HL 12

It can be combined with any Radiant Hybrid Hydronic Systems

Ri-HL

Model		Ri-HL06	Ri-HL09	Ri-HL12
IP Protection Rating	IP	IPX4	IPX4	IPX4
Electrical Specifications				
Voltage/frequency/single phase	V/Hz/Fase	230V/50Hz	230V/50Hz	230V/50Hz
Performance				
Heating Capacity min/max (1)	kW	3.3~7.2	5.0~9.7	5.9~11.9
Heating Input Power min/max (1)	kW	0.7~1.6	1.0~2.4	1.3~2.9
C.O.P min/max (1)	W/W	4.26~ 4.87	4.01~4.57	4.05~4.67
Heating capacity min/max (2)	kW	3.1~5.9	4.2~8.9	6~11.5
Heating Input Power min/max (2)	kW	0.9~1.9	1.3~2.9	1.6~3.6
C.O.P min/max (2)	W/W	3.41~3.78	3.03~3.4	3.19~3.66
SCOP – Average climatic conditions, low water temperature	W	4,66	4,62	4,57
Energy Efficiency		A+++	A+++	A+++
Cooling Capacity min/max (3)	kW	3.1~7.1	4.2~9.1	5.1~12.2
Cooling Input Power min/max (3)	kW	0.82~1.9	1.2~2.9	1.34~3.4
E.E.R. min/max (3)	W/W	3.32~4.25	3.28~4.24	3.33~4.33
Cooling capacity min/max (4)	kW	1.8~4.8	3.1~7.9	4.2~8.9
Cooling Input Power min/max (4)	kW	0.66~2.54	1.1~3.2	1.6~3.1
E.E.R. min/max (4)	W/W	2.54~2.84	2.38~2.83	2.61~3.22
Outdoor temperature limits – Heating mode	°C	-25~43	-25~43	-25~43
Outdoor temperature limits – Cooling mode	°C	7~43	7~43	7~43
Min/max flow temperature – Heating mode	°C	20~60	20~60	20~60
Min. flow temperature – Cooling mode	°C	7	7	7

Ri-HL

Model			Ri-HL06	Ri-HL09	Ri-HL12
Outdoor unit Sound Power Level		dB (A)	52	53	53
Components					
Fan	Quantity	n.	1	1	1
	Air Flow	m³/h	2500	3280	3280
Refrigerant gas type and quantity		/kg	R32/0.75kg	R32/1.15kg	R32/1.3kg
Compressor	Type	/	Rotary	Rotary	Rotary
	Oil Type	type	FW68DA or equivalent	FW68DA or equivalent	FW68DA or equivalent
	Oil charge (quantity)	L	0.45L	0.65L	0.65L
	Min/max operating pressure	bar	14/42	14/42	14/42
	Compressor Electric Heater	W	30W	30W	30W
Hydraulics Connections					
Min/rated flow rate		m³/h	0.5/1.0m³/h	0.8/1.6m³/h	1.03/2.06m³/h
Hydraulics Fittings		Section	1"M	1"M	1"M
Dimension and Weight					
Net Dimensions (LxDxH)		mm	1015×380×700	1175×380×845	1175×380×845
Gross Dimensions (LxDxH)		mm	1060x470x865	1225x470x1020	1230x470x1020
Net/Gross Weight		kg	70/81	79/90	82/93

(1) Heating mode: outside temperature 7°C dry bulb 6°C wet bulb; inlet/outlet water temperature 30/35°C.

(2) Heating mode: outside temperature 7°C d.b. 6°C w.b.; inlet/outlet water temp. 40/45°C.

(3) Cooling mode: outside temperature 35°C; inlet/outlet water temperature 23/18°C.

(4) Cooling mode: outside temperature 35°C; inlet/outlet water temperature 12/7°C.

Monoblocco - Ri-HL06

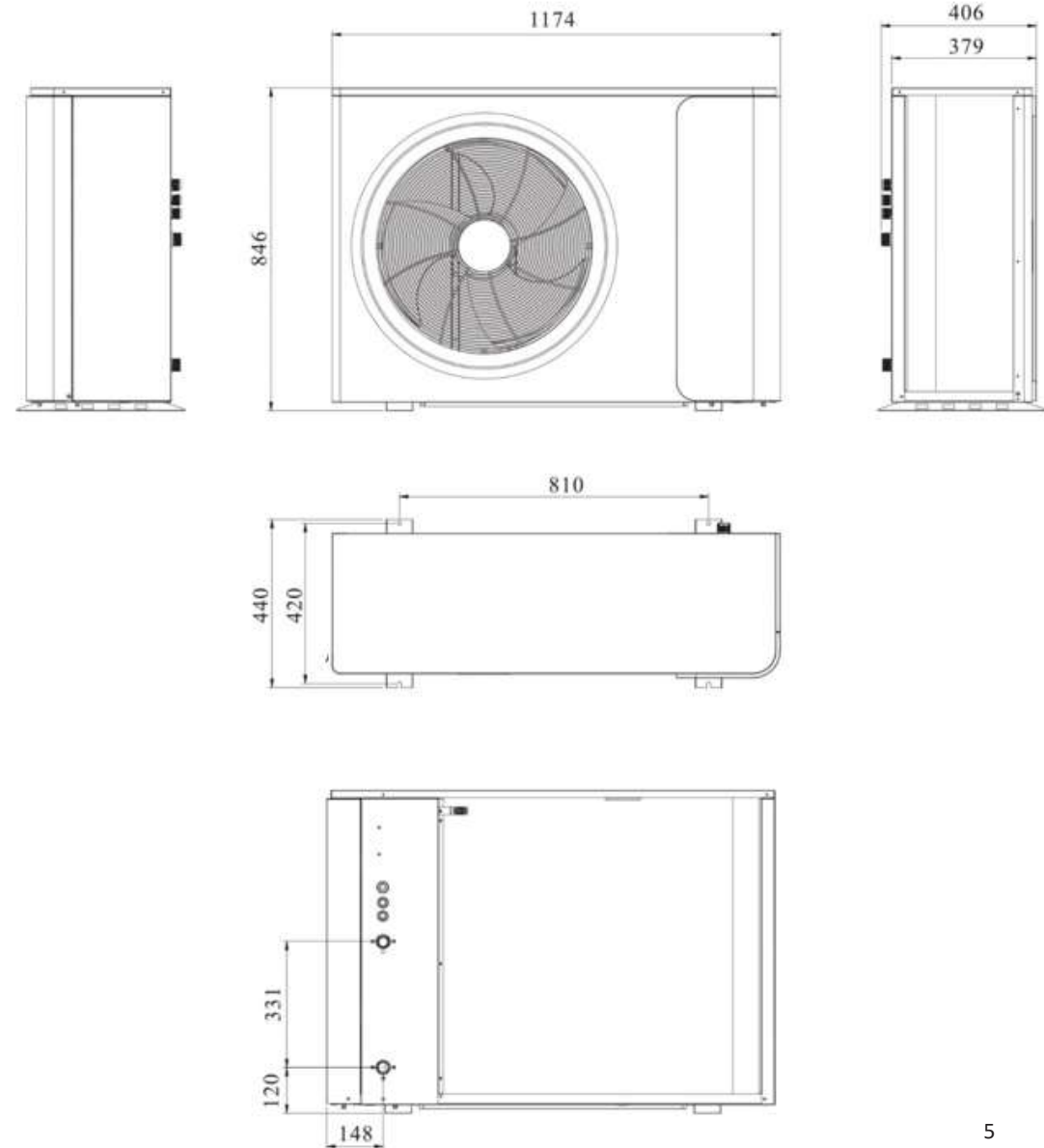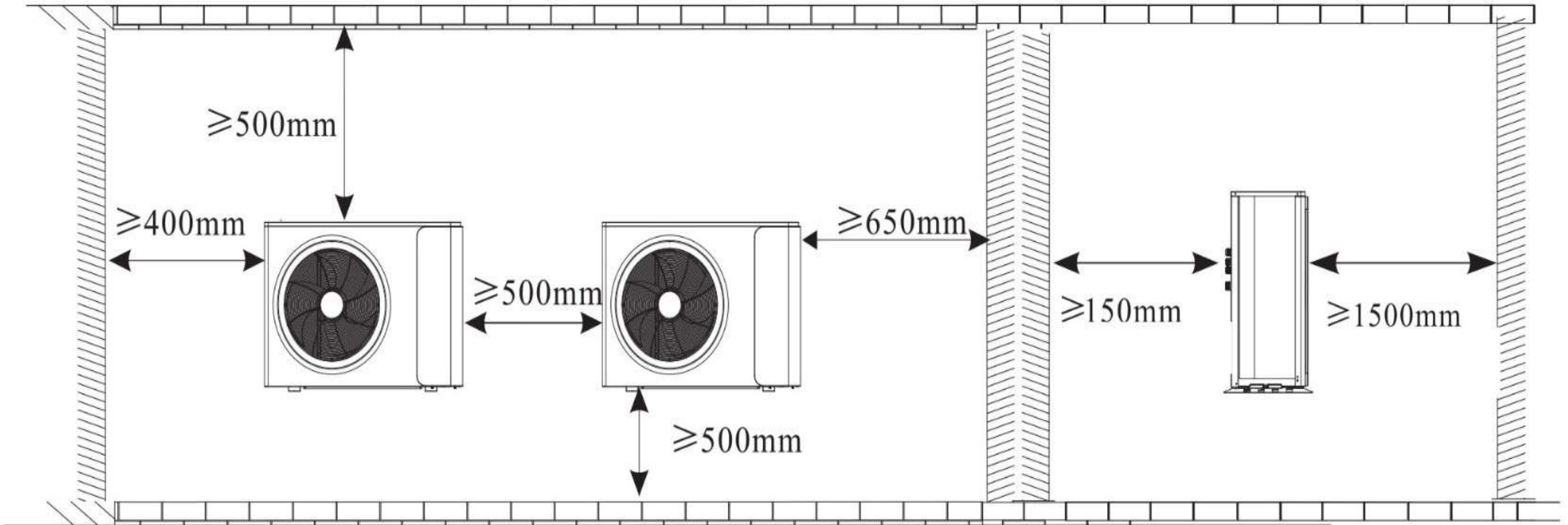Collegamento tubazioni: 1"
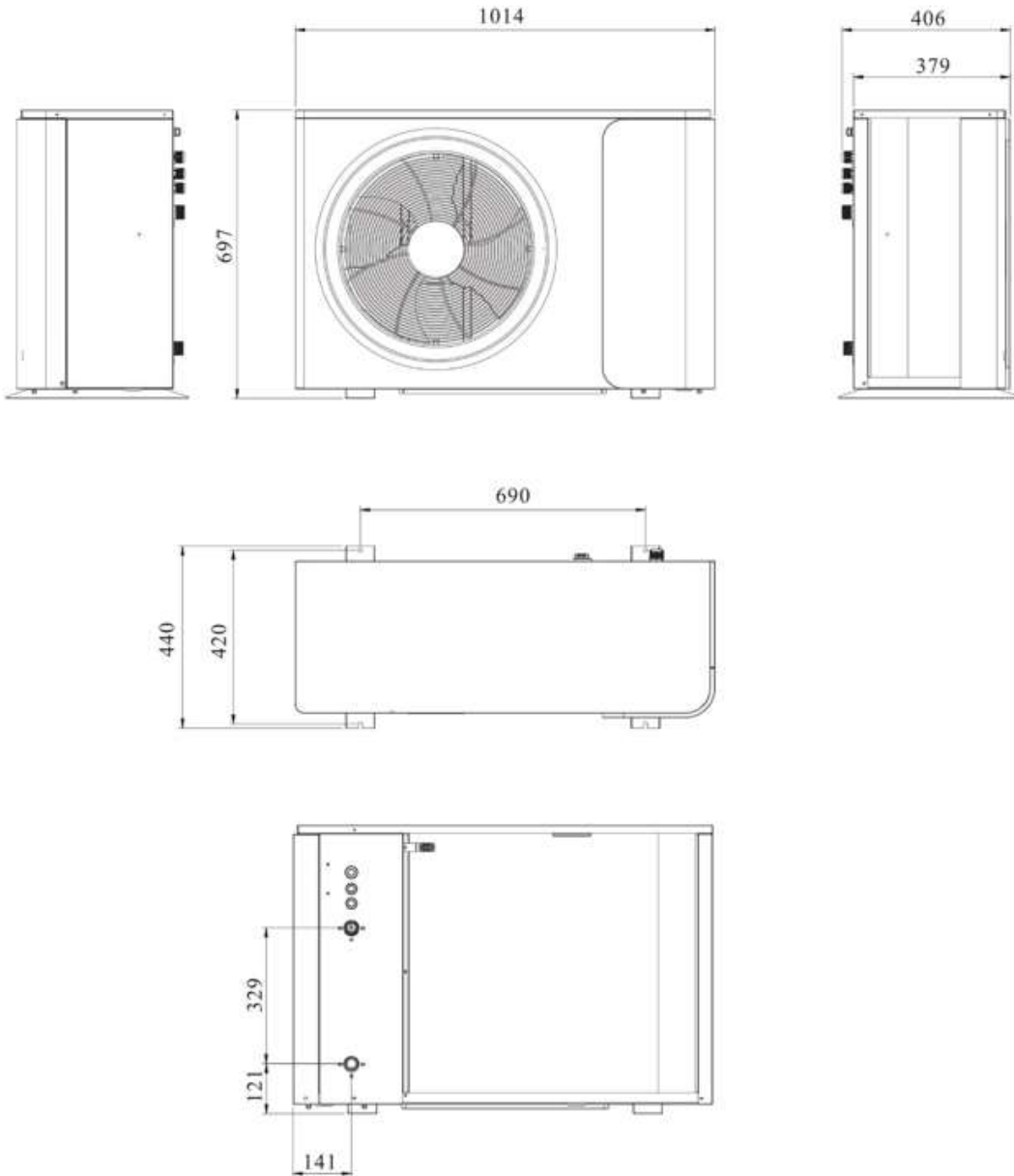
Unita: mm

Monoblocco - Ri-HL09 / Ri-HL12
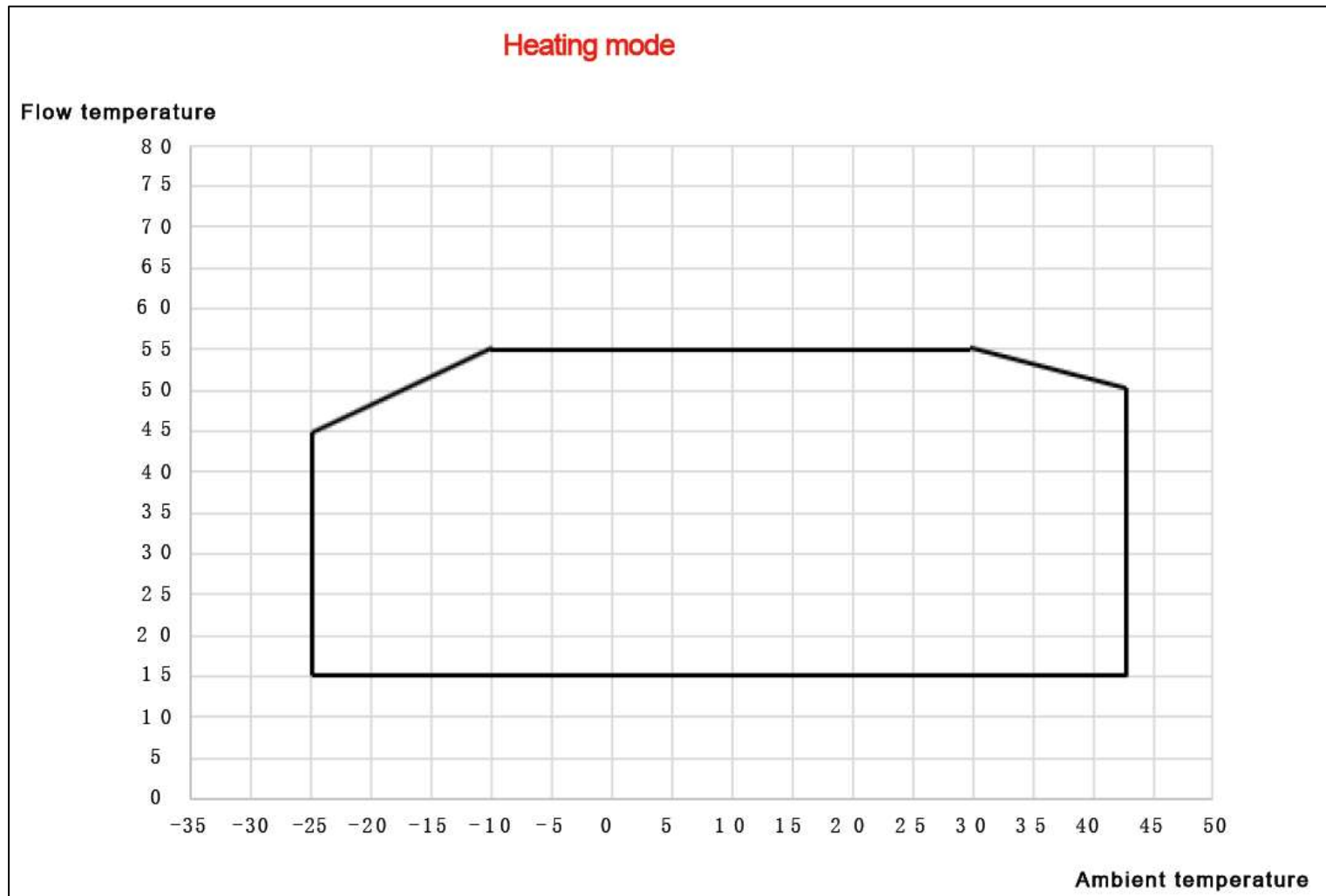
Collegamento tubazioni: 1"

Unita: mm
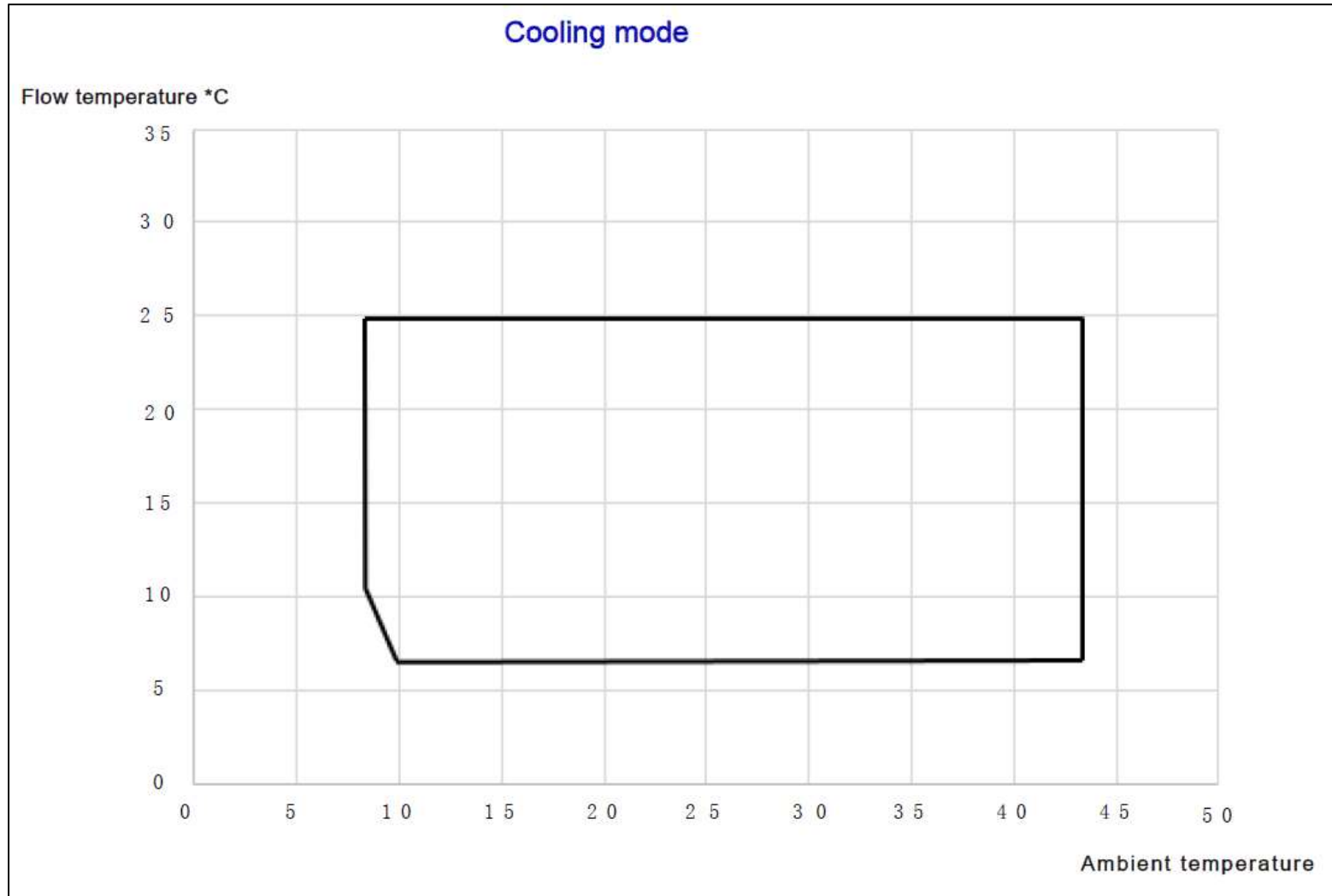
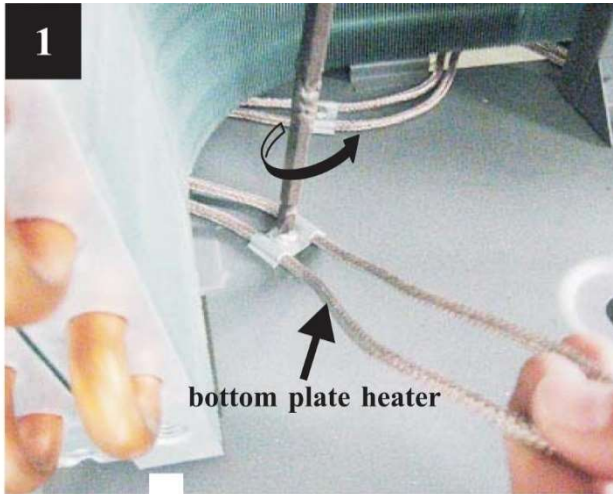Proper installation in compliance with the minimal technical spaces

Heating Mode Operating Limits

Cooling Mode Operating Limits

bottom plate heater

1) Integrated antifreeze kit supplied as standard, with 2 electric heaters (one on the gas/water exchager, one in the basin);
2) Minimum noise levels (52dB only);
3) It can be combined with any Radiant Hydronic Systems;
4) Storage tank sensor supplied as standard;
5) Heat Pump outside sensor supplied as standard;
6) If combined with DHW storage tank, legionella prevention function integrated by the boiler or the electric heater.

Operating Mode

Wifi connection status

Detected Outlet Temperature

Time

Mode selection keys to access/adjust heat pump parameters

o Remote control provided with pre-wired cable connection;
o Timer function remote control (no room thermostat function): it is possible to set the switching on and off by the control's internal clock, or to connect one or more room thermostats to the heat pump;
o Heat pump parameters programming;
o Heat pump operating mode selection;
o Climate curve selection and setting.

MADE IN RADIANT

RADIANT ®

Integrated router for domestic WiFi network connection

Free app available for heat pump remote control.