TECHNICAL DATASHEETS

Low-temperature emitters for heating and cooling

Sunthalpanel

ecoFOREST

Sunthalpanel

Low-temperature emitter for heating and cooling

Models by surface

XS	1500x740x15 mm
S	1500x1000x15 mm
XL	1991x1500x15 mm

Services

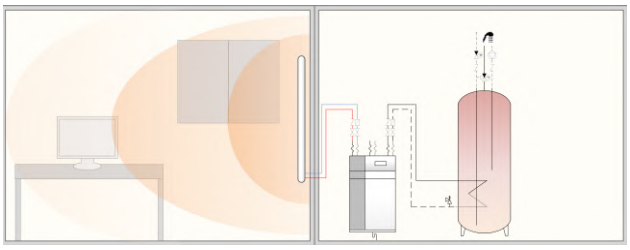
Heating

Cooling

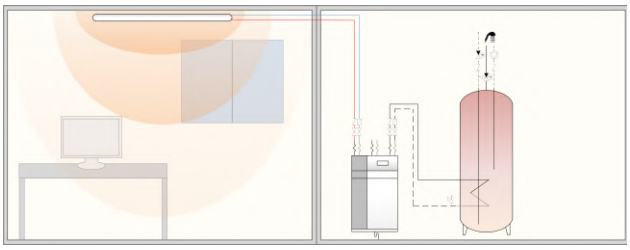
- Easy installation and low maintenance.
- Services available: heating and cooling.
- They ensure uniform distribution at low temperatures.
- They allow savings of up to 90% with heat pumps.
- Ultra-slim and customisable.
- Possibility of ceiling or wall installation.

Mounting

Wall mounting



Ceiling mounting

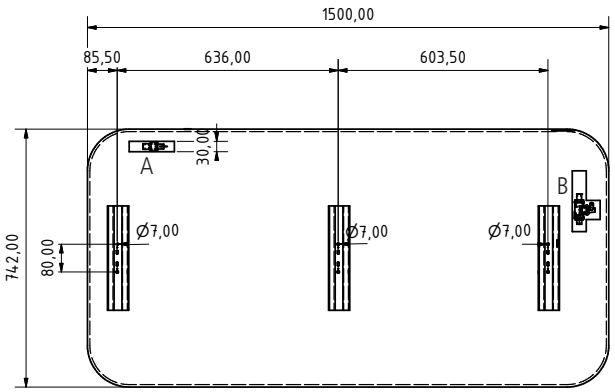


Installation procedure

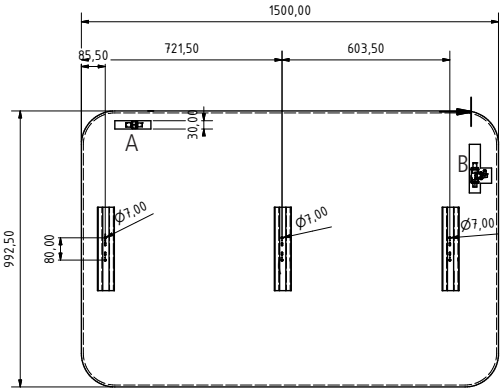
1. Position the template supplied with the panel to locate the position of the anchoring profiles.
2. Make the hydraulic connections to the corresponding flexible connections of the Sunthalpanel.
3. Fasten the Sunthalpanel on the positioning profiles and fix the panel laterally.
4. Fit the perimeter screw housing cover.
5. Open the valve to bleed off the exhaust air.
6. Fill the hydraulic circuit at the lowest possible speed.
7. Close the drain valve when only water starts pouring out.
8. Fit the perimeter access cover of the bleed valve.

Dimensions and hydraulic connections

Sunthalpanel XS

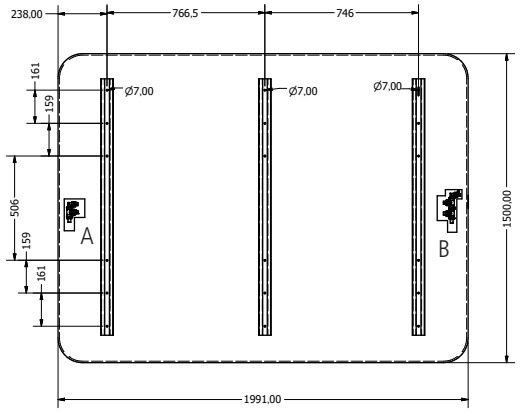


Sunthalpanel S



1. A - Inlet mainfold- 3/4" M
2. B -Outlet mainfold- 3/4" M

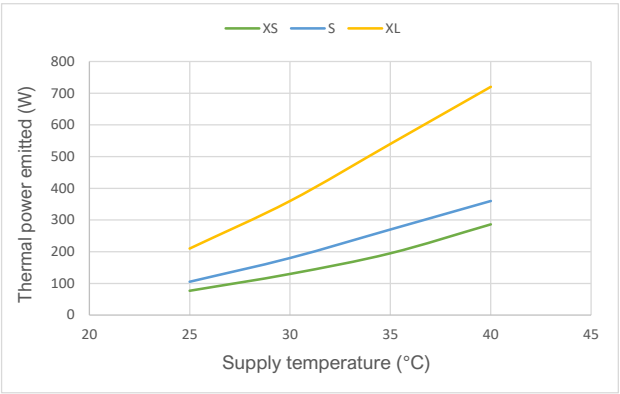
Sunthalpanel XL

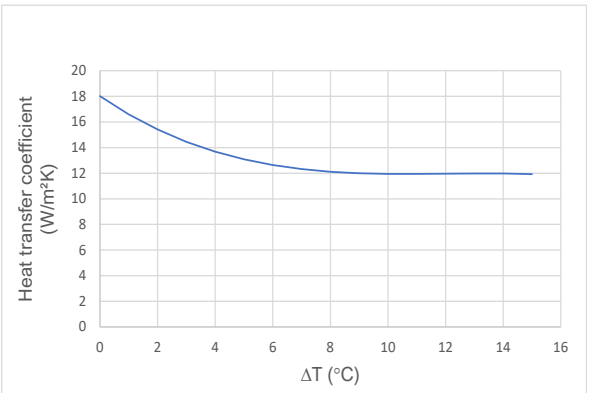


SPECIFICATIONS		UNITS	XS	S	XL
SERVICES	Heating	-	✓	✓	✓
	Cooling	-	✓	✓	✓
PERFORMANCE	Exchange surface	m^2	1,1	1,5	3,0
	Design flow rate	l/min	1,0	1,0	2,0
	Unit pressure drop (design flow)	kPa	19,4	26,5	26,5
	Average heat transmission coefficient	W/°C	13	18	36
	Heating at 20 °C with water at 35 °C	W	195	270	540
	Cooling to 24 °C with water at 18 °C	W	78	113	216
OPERATING LIMITS	Minimum/maximum heating temperature	°C	20 a 40		
	Minimum/maximum cooling temperature	°C	16(1) a 20		
DIMENSIONS AND WEIGHT	Height x width x depth	mm	1500x740x15	1500x1000x15	1991x1500x15
	Empty weight	kg	15	18	37

1. It is only possible to guarantee the working condition in cooling mode at 16°C supply temperature when using th-T or th-TUNE thermostats for humidity control.

Thermal power and load losses





Notes

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v2022_01

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