

Technical data sheet

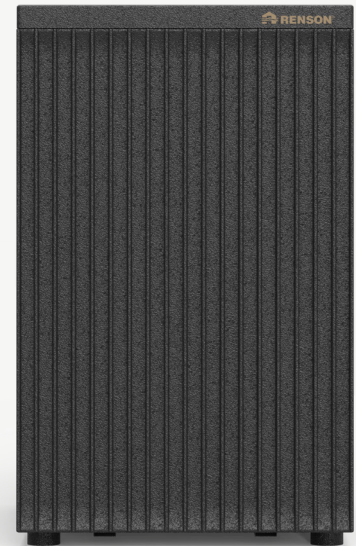
Water-water heat pump TERREAN



Technical specifications

- Version: 25kW
- Ground source heat pump
- Inverter technology
- Natural friendly refrigerant R290
- Collective Heating
- Built in passive cooling
- New build and renovation
- Wireless updates
- Quiet operation
- Compatible with Renson One

Water-water heat pump Terrean	
Type*	
Order number	37392
Type number	REN-HP-W-25S-V1
Colour	Black
Outdoor unit	Monobloc
Input/output	water or brine/water
Capacity	25kW
General characteristics*	
Size unit (HxWxD)	1007×650×700 mm
Weight unit	150 kg
Heating inlet/outlet connections	1-1/4
Source inlet/outlet connections	1-1/4
Refrigerant characteristics*	
Refrigerant	R290
GWP	3
Refrigerant charge	1,06kg
CO ₂ equivalent	0,0032ton
Electrical characteristics*	
Level of protection	IPX4
Phase	3ph
Supply voltage	400V
Frequency	50Hz
Max. current	16A
Efficiency*	
B0/W35	
Heating capacity range	5~25kW
Rated heat output Test standard: EN14825	25kW
SCOP	4,8
Energy efficiency class (average climate)	A+++/190%
Rated heat output Test standard: EN14511	12kW
COP	4,5



* Preliminary data

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Water-water heat pump Terrean

B0/W55

Heating capacity range	4-23kW
Rated heat output Test standard: EN14825	23kW
SCOP	3,8
Energy efficiency class (average climate)	A+++/150%
Sound power Test standard EN12102	55dB
Rated heat output Test standard: EN14511	11kW
COP	2,9

W10/W35

Heating capacity range	6~32kW
Rated heat output Test standard: EN14825	32kW
SCOP	6,3
Energy efficiency class (average climate)	A+++/248%
Rated heat output Test standard: EN14511	16kW
COP	5,5

W10/W55

Heating capacity range	6-29kW
Rated heat output Test standard: EN14825	29kW
SCOP	4,9
Energy efficiency class (average climate)	A+++/192%
Sound power Test standard EN12102	55dB
Rated heat output Test standard: EN14511	14kW
COP	3,5

Passive cooling

W(15/19)/W(23/18)	19kW
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Source side Circulation*

B0/W35

Rated flow rate	3m³/h
Internal pressure at rated flow	56kPa
Max. available external pressure at rated flow	100kPa

W10/W35

Rated flow rate	3,7m³/h
Internal pressure at rated flow	86kPa
Max. available external pressure at rated flow	50kPa

Heating side Circulation*

B0/W35

Rated flow rate	2,2m³/h
Internal pressure drop at rated flow	14kPa
Max. available external pressure at rated flow	100kPa

W10/W35

Rated flow rate	2,8m³/h
Internal pressure drop at rated flow	22kPa
Max. available external pressure at rated flow	90kPa

* Preliminary data

Technical drawings

Dimensions REN-HP-W-25S-V1

