

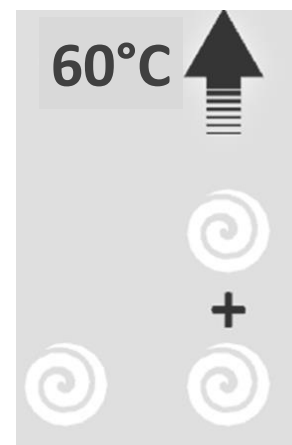
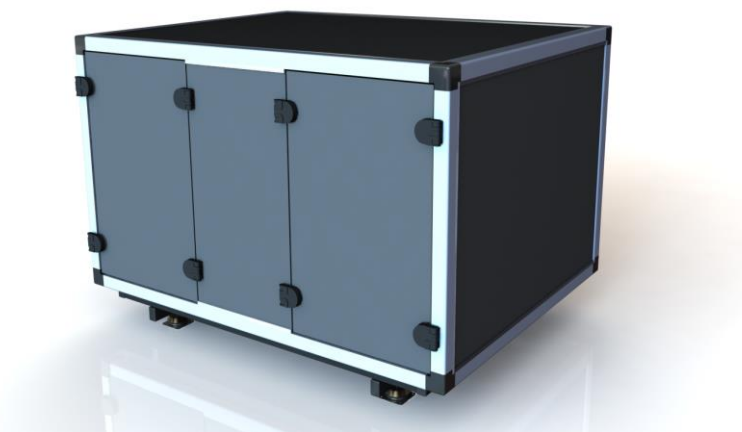
# HIGH-POWER

HEAT PUMPS Gorenje Terragor HD W

Technical data :

**Terragor HD 42 / 54 / 68 / 88 / 112 W**

Type: brine to water



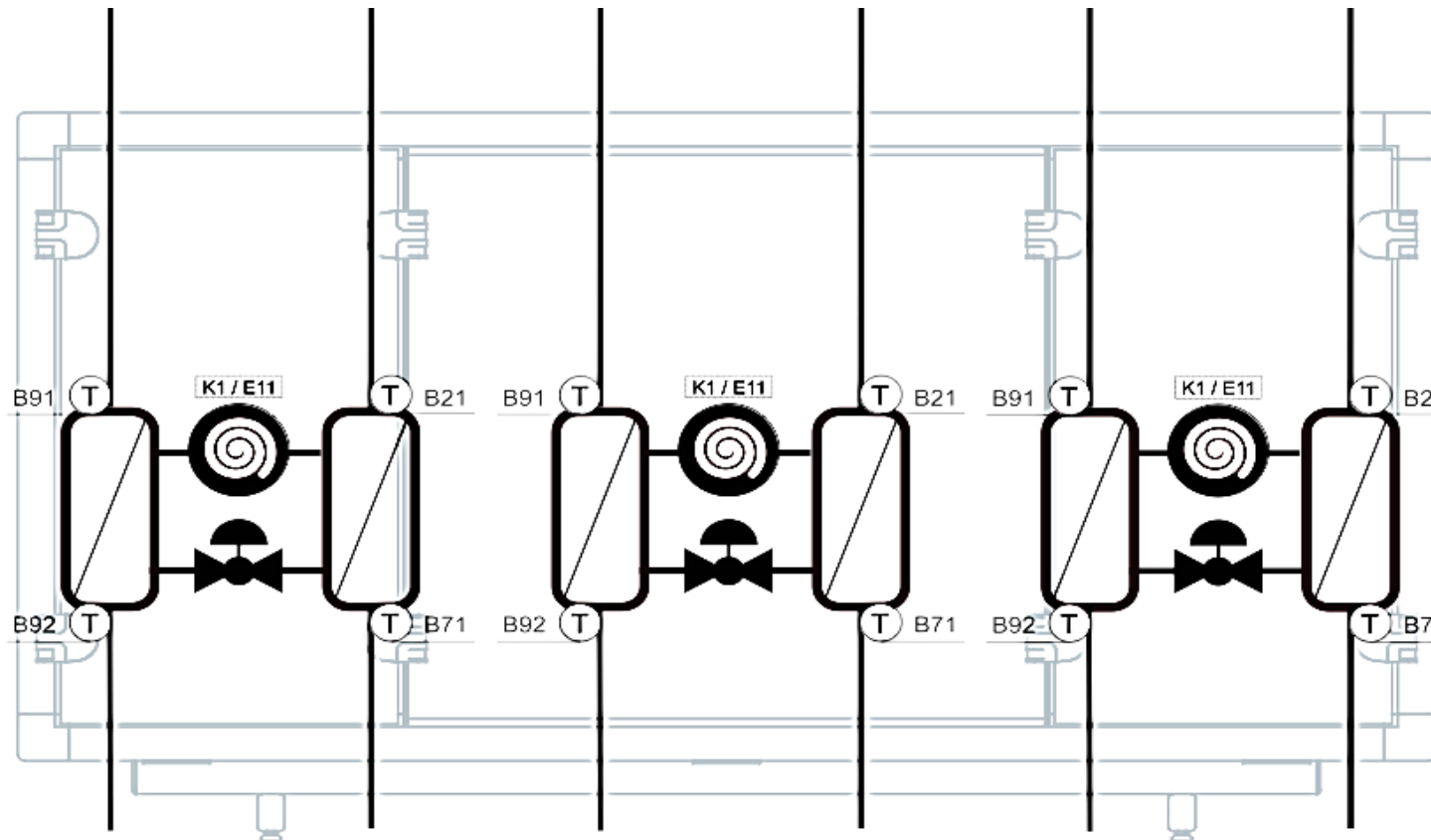
Technical data - heat pumps brine-water Gorenje						
Model name - Type		Terragor HD 42 W	Terragor HD 54 W	Terragor HD 68 W	Terragor HD 88 W	Terragor HD 112 W
Nominal performance data according to EN 14511 - B0/W35 - Heating mode						
Heating capacity	kW	41.85	53.90	68.03	87.62	112.23
El. power input	kW	9.23	11.95	15.14	19.26	24.30
COP	-	4.53	4.51	4.50	4.55	4.62
Nominal performance data according to EN 14511 - B30/W7 – Active cooling mode optionally*						
*Cooling capacity B30/W7	kW	46.20	60.60	73.06	98.00	124.00
El. input power	kW	8.17	10.75	13.05	17.20	22.30
EER	kW	5.66	5.64	5.60	5.69	5.58
Source temperature minimal	°C	-5	-5	-5	-5	-5
Source temperature maximal	°C	20	20	20	20	20
Flow temperature minimal	°C	6	6	6	6	6
Flow temperature maximal	°C	60	60	60	60	60
Dimensions and weights						
Width	mm	2780				
Depth	mm	1450				
Height	mm	1200				
Weight inside	kg	220	340	400	440	490
Noise emissions inside (1 m)	dB(A)	61	64	66	68	68
Refrigerant circle parameters						
Refrigerant		R410A	R410A	R410A	R410A	R410A
Refrigerant volume	kg	8,9	9,9	11	12,5	14,9
Expansion valve		EEV	EEV	EEV	EEV	EEV
Compressor		Copeland SCROLL	Copeland SCROLL	Copeland SCROLL	Copeland SCROLL	Copeland SCROLL

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<b>Pipe dimensions, flow rates , pressure drops</b>						
Connections – Source	“	2	2	2	2.1/2	2.1/2
Connections – Consumption	“	2	2	2	2.1/2	2.1/2
Flow – Source	m <sup>3</sup> /hour	6.83	8.75	11.52	14.30	18.25
Flow – Consumption	m <sup>3</sup> /hour	5.07	6.56	8.47	10.64	13.49
Pressure drop – Source	kPa	max 20	max 20	max 20	max 20	max 20
Pressure drop – Consumption	kPa	max 20	max 20	max 20	max 20	max 20
Suggested $\Delta T$ Source	K	4	4	4	4	4
Suggested $\Delta T$ Consumption	K	7	7	7	7	7
<b>Electrical parameters</b>						
Main connection cable - dimension [mm <sup>2</sup> ]		5x6	5x10	5x16	5x25	5x25
Voltage	V	3 x 400	3 x 400	3 x 400	3 x 400	3 x 400
Fuze	A	40	50	63	63	80
Current – nominal	A	19.10	22.42	28.81	34.88	43.11
Current – maximal	A	34.00	40.00	48.5	65.40	82.60
Softstart		MCD 201	MCD 201	MCD 201	MCD 201	MCD 201
Starting current	A	44.20	52.00	63.05	85.02	107.40
<b>Other characteristics</b>						
Installed HP controller		SIEMENS RVS 21	SIEMENS RVS 21	SIEMENS RVS 21	SIEMENS RVS 21	SIEMENS RVS 21
Control of mixed heating circuit		Supported	Supported	Supported	Supported	Supported
Control of direct heating circuit		Supported	Supported	Supported	Supported	Supported
Active cooling mode		Optional	Optional	Optional	Optional	Optional
Solar system control		Supported	Supported	Supported	Supported	Supported
Condenser/Source circulator installed		No	No	No	No	No
Bivalent heater installed		No	No	No	No	No

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3-way switching valve installed		No	No	No	No	No
Flow switch installed		No	No	No	No	No
Accessories		1 x Outside temperature sensor 2 x cable temperature sensor (5°C to 95°C)				

Industrial high capacity brine-water heat pump type Terragor HD 42 / 54 / 68 / 88 / 112 W - maximum flow temperature of 60 °C. Modular design with 1, 2 or 3 compressors in a massive box made of aluminum frame and 50 mm thick sound insulation pannels. Wide application area from apartment buildings or larger objects, hot water preparation up to heating and cooling of large buildings with cascade system installation. Active reverse cooling is optional. Optimized for mid temperature heating systems after renovations.

## Main components of Terragor HD 42 / 54 / 68 / 88 / 112 W



### LEGEND:

- B91: inlet temperature sensor of source side (evaporator)
- B92: outlet temperature sensor of source side (evaporator)
- K1 / E11...compressor 1, 2, 3
- B21: water outlet temperature sensor (condenser)
- B71: water inlet temperature sensor (condenser)

## Dimensions of indoor unit Terragor HD 42 / 54 / 68 / 88 / 112 W

