HEAT PUMPS
THERMAL Plus CH + DHW

Monoblock with a hydraulic module and integrated DHW storage tank

THERMAL Plus monoblock heat pumps are energy efficient devices which draw energy from the air and use it to heat or cool the building and prepare heat utility water. They can be used in single-family houses. Heiko's heat pumps are advanced devices, which guarantee efficient and safe operation

Hydraulic module – MONOBLOCK ALL IN ONE

Two heating circuits

Wide temperature range

Wi-Fi control

Modern control panel

Quiet operation

Automatic weather control

Frequency converter technology

HYDRAULIC MODULE
MONOBLOK ALL IN ONE

OPERATING RANGE
COOLING
0-50°C

OPERATING RANGE
HEATING
-25 - 45°C

Indoor unit

Outdoor unit

Bundesamt
für Wirtschaft und
Ausfuhrkontrolle

Model			HEIKO THERMAL PLUS 6	HEIKO THERMAL PLUS 9	HEIKO THERMAL PLUS 12	HEIKO THERMAL Plus 15	HEIKO THERMAL Plus 19
Seasonal energy efficiency rating, space heating, temperate climate	LWT =35°C		A+++	A+++	A+++	A+++	A+++
	LWT =55°C		A++	A++	A++	A++	A++
Rated heat capacity, including all auxiliary heating units, temperate climate (-10°C) *	LWT =35°C LWT =55°C	kW	4 4	6 6	8 7	12 11	16 15
Seasonal energy efficiency, space heating, temperate climate	LWT =35°C LWT =55°C	%	186,7 133,2	186 130,4	185,5 129,3	196,8 130,2	190,5 130,11
Annual energy consumption, temperate climate	LWT =35°C LWT =55°C	kWh	1827 2809	2826 3728	3225 3997	4829 7602	6953 7750
Indoor sound power level		dB(A)	44	44	44	44	44
Outdoor sound power level		dB(A)	52	53	52	59	61
Special precautions			See the Installation and Service Manuals before attempting the installation				
Electrical power efficiency			N/A				
Rated heat capacity, including all auxiliary heating units, cold climate	LWT =35°C	kW	3	5	7	10,8	15,1
	LWT =55°C	kW	3	5	6	10,6	14,3
Rated heat capacity, including all auxiliary heating units, warm climate	LWT =35°C	kW	6	8	10	13,8	18,2
	LWT =55°C	kW	6	7	8	13,1	16,1
Seasonal energy efficiency, space heating, cold climate	LWT =35°C	%	155	153	156	160	156
	LWT =55°C	%	117	105	110	115	110
Seasonal energy efficiency, space heating, warm climate	LWT =35°C LWT =55°C	%	189 147	192 143	194 142	196 143	194 140
Annual energy consumption with regard to final energy amount - cold climate	LWT =35°C	kWh	2071	3149	4020	7020	8825
	LWT =55°C		3089	4100	4112	7910	9930
Annual energy consumption with regard to final energy amount - warm climate	LWT =35°C	kWh	1710	3094	3480	6243	8105
	LWT =55°C		2550	3510	3560	6913	8590
Heat pump unit power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380- 420 /3/50	380 - 420 /3/50
Electrical heater power supply		V	230	400	400	400	400
Heating (LWT = 35°C) (Outdoor temperature 2°C, 85% RH, EWT 30°C, LWT 35°C)	Capacity	kw	6,1	7,8	10,1	13,8	18,5
	COP	-	3,8	3,87	3,9	4	4,47
Heating (LWT = 35°C) (Outdoor temperature 7°C, 85% RH, EWT 47°C, LWT 55°C)	Capacity	kw	6,5	9,2	11,6	15,5	18,5
	COP	-	4,61	4,38	4,3	5	4,47
Cooling (LWT = 18°C) (Outdoor temperature 35°C , EWT 23°C, LWT 18°C)	Capacity	kw	7,45	9,5	9,8	18,6	22,5
	EER	-	4,05	4,23	3,9	4	7,35
Cooling (LWT = 7°C) Outdoor temperature 35°C , EWT 12°C, LWT 7°C)	Capacity	kw	7.45	9.5	9.8	13,1	15,8
	EER	-	4.05	4.23	3.9	3	2,94
Current protection control		B	25 (3F)	25 (3F)	25 (3F)	25 (3F)	25 (3F)
Power supply (number of conductors x cross section)		mm²	5 x 2,5	5 x 2,5	5 x 4	5 x 2,5	5 x 2,5
Current protection control		B	from indoor unit	from indoor unit	from indoor unit	25 (3F)	25 (3F)
Power supply (number of conductors x cross section)		mm²	3 x 2,5	3 x 2,5	3 x 4	5 x 4	5 x 4
Dimensions of the indoor unit (W x H x D)	Net/gross	mm	1740x600x675/ 1900x650x750	1740x600x675/ 1900x650x750	1740x600x675/ 1900x650x750	1740x600x675/ 1900x650x750	1740x600x675/ 1900x650x750
Dimensions of the outdoor unit (W x H x D)	Net/gross	mm	700x1010x440/ 730x1040x490	845x1165x415/ 875x1210x465	845x1165x415/ 875x1210x475	1450x1090x435/ 1500x1140x485	1450x1090x435/ 1500x1140x485
Indoor unit weight		kg	125 / 135	125 / 135	125 / 135	125/135	125/135
Outdoor unit weight		kg	65 / 75	78 / 88	85 / 95	120 / 130	140 / 150
Compressor	Type		Twin Rotary - 1				
Sensors			TC (system temp.), TW (DHW temp.), TV1 (1st circuit temp.), TV2 (2nd circuit temp.), TR (room temp.)				
Integrated electrical heater		kW	3	6	6	6	6
Refrigerant	Type / amount of gas	kg	R32 / 0,9	R32 / 1,4	R32 / 1,8	R32 / 2,55	R32 / 2,6
Recommended operating range	Cooling	°C	0 ~50	0 ~50	0 ~50	0 ~50	0 ~50
	Heating	°C	-25 - 45	-25 - 45	-25 - 45	-25 - 45	-25 - 45
	DHW	°C	-25 - 55	-25 - 55	-25 - 55	-25 - 55	-25 - 55
Water side heat exchanger	Type		Plate heat exchanger				
Water-side connection	Type	cal	1	1	1	1 - 1/4	1 - 1/4
Water Pump	Max lifting height	m	7,5	7,5	7,5	7,5	7,5
Outlet water temperature range	Cooling	°C	7 - 25	7 - 25	7 - 25	7 - 25	7 - 25
	Heating	°C	20 - 55	20 - 55	20 - 55	20 - 55	20 - 55
	DHW (tank)	°C	25 - 55	25 - 55	25 - 55	25 - 55	25 - 55

* Heating power for outdoor temperature of -10°C