

HEATING PUMPS

THERMAL Plus CH + DHW

Monoblock with a hydraulic module and integrated DHW storage tank

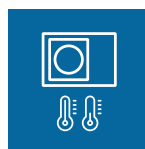
THERMAL Plus monoblock heat pumps are energy-saving devices, which extract energy from the air and use it to heat or cool the building and prepare domestic hot water. They are used in single-family housing. Heiko heat pumps are modern devices which guarantee efficient, safe and maintenance-free operation.



Hydraulic module
- MONOCLOCK 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



KEYMARK



Bundesamt
für Wirtschaft und
Ausfuhrkontrolle

BAFA

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, temperature 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		4	6	8	12	16
	LWT =55°C	kW	4	6	7	11	15
Seasonal energy efficiency, space heating, temperate climate	LWT =35°C	%	186,7	187,5	185,5	196,8	190,5
	LWT =55°C		133,2	129,9	129,3	130,2	130,11
Annual energy consumption, temperate climate	LWT =35°C	kWh	1827	2740	3225	4829	6953
	LWT =55°C		2809	3706	3910	7602	7750
ndoor sound power level		dB(A)	44	39	44	44	44
Outdoor sound power level		dB(A)	52	54	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	%	189	192	194	196	194
	LWT =55°C		147	143	142	143	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	1780x600x680/ 1960x650x750	1780x600x680/ 1960x650x750	1780x600x680/ 1960x650x750	1780x600x680/ 1960x650x750	1780x600x680/ 1960x650x750
Dimensions of the outdoor unit (W x H x D)	Net/gross	mm	700x1010x370/ 730x1040x455	700x1010x370/ 730x1040x455	700x1010x370/ 730x1040x455	1400x1085x435/ 1450x1100x400	1400x1085x435/ 1450x1100x400
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
	Cooling	°C	0 ~50	0 ~50	0 ~50	0 ~50	0 ~50
Recommended operating range	Heating	°C	-25 - 45	-25 - 45	-25 - 45	-25 - 45	-25 - 45
	CWU	°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	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