

HEAT PUMPS

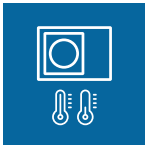
THERMAL CH +DHW

Monoblock with hydraulic module

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



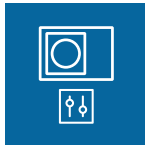
Two heating circuits



Wide temperature range



Wi-Fi control



Modern control panel



Quiet operation



Automatic weather control



Inverter technology

**AUTOMATIC
WEATHER
CONTROL**

**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 6	HEIKO THERMAL 9	HEIKO THERMAL 12	HEIKO THERMAL 15	HEIKO THERMAL 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		4	6	8	12	16
	LWT =55°C	kW	4	6	7	10	15
Seasonal energy efficiency, space heating, temperate climate	LWT =35°C	%	186,7	196,1	185,5	202,8	190,5
	LWT =55°C		133,2	137,2	129,3	144,4	130,11
Annual energy consumption, temperate climate	LWT =35°C	kWh	1827	2625	3225	4813	6953
	LWT =55°C		2809	3676	3997	5804	7750
Indoor sound power level		dB(A)	44	34	44	33	44
Outdoor sound power level		dB(A)	52	52	52	56	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	15,1
	LWT =55°C	kW	3	5	6	10	14,3
Rated heat capacity, including all auxiliary heating units, warm climate	LWT =35°C	kW	6	8	10	13	18,2
	LWT =55°C	kW	6	7	8	13	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
Current protection control		B	20	25 (3F)	25 (3F)	25 (3F)	25 (3F)
Power supply (number of conductors x cross section)		mm ²	3 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
Ogrzewanie (LWT=35°C) (Temperatura zewnętrzna 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 2°C, 85% RH, EWT 30°C, LWT 35°C)	Capacity	kW	6.5	9.2	11.6	15,5	18,5
	COP	-	4,61	4,38	4,3	5	4,47
Heating (LWT = 35°C) (Outdoor temperature 7°C, 85% RH, EWT 47°C, LWT 55°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 = 18°C) (Outdoor temperature 35°C, EWT 23°C, LWT 18°C)	Capacity	kW	7.45	9.5	9.8	13,1	15,8
	EER	-	4.05	4.23	3.9	3	2,94
Overcurrent protection of the internal unit		B	20	25	25	25	25
Power supply (number of conductors x cross section)		mm ²	3 x 2,5	3 x 3,5	3 x 2,5	3 x 2,5	3 x 2,5
Current protection control		B	20	25	25	25 (3F)	25 (3F)
Power supply (number of conductors x cross section)		mm ²	3 x 2,5	3 x 2,5	3 x 4	5 x 2,5	5 x 4
Dimensions of the indoor unit (W x H x D)	Net/gross	mm	570x550x260/ 620x600x310	570x550x260/ 620x600x310	570x550x260/ 620x600x310	570x550x260/ 620x600x310	570x550x260/ 620x600x310
Dimensions of the outdoor unit (W x H x D)	Net/gross	mm	700x1010x370/ 750x1060x420	845x1165x370/ 900x1200x420	845x1165x370/ 900x1200x420	1450x1085x390/ 1500x1185x400	1450x1085x390/ 1500x1185x400
Indoor unit weight		kg	25 / 31	25 / 31	25 / 31	25 / 31	25 / 31
Outdoor unit weight		kg	65 / 76	78 / 90	85 / 94	130 / 140	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
	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
	Cooling	°C	7 - 25	7 - 25	7 - 25	7 - 25	7 - 25
Outlet water temperature range	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