

# HEAT PUMPS

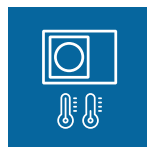
## THERMAL CH + DHW

### Monoblock with hydraulic module

THERMAL 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.



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**

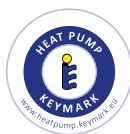
**OPERATING  
RANGE  
HEATING  
-25 - 45°C**



Indoor unit



Outdoor unit



Bundesamt  
für Wirtschaft und  
Ausfuhrkontrolle

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	kW	4	6	8	12	16
	LWT =55°C		4	6	7	11	15
Seasonal energy efficiency, space heating, temperate climate	LWT =35°C	%	186,7	186	185,5	196,8	190,5
	LWT =55°C		133,2	130,4	129,3	130,2	130,11
Annual energy consumption, temperate climate	LWT =35°C	kWh	1827	2826	3225	4829	6953
	LWT =55°C		2809	3728	3997	7602	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		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		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
Current protection control		B	20	25 (3F)	25 (3F)	25 (3F)	25 (3F)
Power supply (number of conductors x cross section)		mm <sup>2</sup>	3 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
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
Zabezpieczenie nadprądowe jed.wew.		B	20	25	25	25	25
Power supply (number of conductors x cross section)		mm <sup>2</sup>	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 <sup>2</sup>	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	590x550x260/ 640x600x310	590x550x260/ 640x600x310	590x550x260/ 640x600x310	590x550x260/ 640x600x310	590x550x260/ 640x600x310
			700x1010x440/ 730x1040x490	845x1165x415/ 875x1210x465	845x1165x415/ 875x1210x475	1450x1090x435/ 1500x1140x485	1450x1090x435/ 1500x1140x485
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