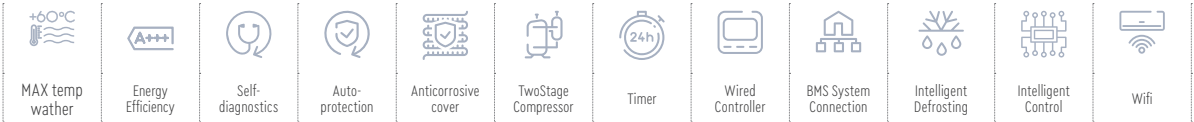




INVERTER

R32



Model			CH-HP4.0WTSIRK3	CH-HP6.0WTSIRK3	CH-HP8.0WTSIRK3	CH-HP10WTSIRK3	CH-HP12WTSIRK3
Capacity*	Cooling	kW	3,80	5,80	7,00	8,50	11,00
	Heating	kW	4,00	6,00	8,00	9,50	12,00
Power input*	Cooling	kW	0,80	1,32	1,75	2,24	2,50
	Heating	kW	0,78	1,20	1,70	2,07	2,40
EER (Floor cooling)*			4,75	4,40	4,00	3,80	4,40
COP (Floor heating)*			5,10	5,00	4,70	4,60	5,00
Capacity**	Cooling	kW	3,15	4,09	5,30	6,50	10,59
	Heating	kW	4,00	5,90	8,00	9,50	12,40
Power input**	Cooling	kW	0,92	1,28	1,73	2,27	3,79
	Heating	kW	1,02	1,51	2,14	2,64	3,29
EER (Floor cooling)**			3,40	3,20	3,00	2,90	2,79
COP (Floor heating)**			3,90	3,90	3,70	3,60	3,77
Refrigerant charge volume			1,00	1,00	1,60	1,60	1,84
Power supply			~220-240V/50Hz/1Ph				
Sound Pressure Level	Cooling	db(A)	52	52	55	55	68
	Heating	db(A)	52	52	55	55	68
Dimensions (WxDxH)	Indoor unit	mm	600×600×1756				
	Outdoor unit	mm	975×396×702	975×396×702	982×427×787	982×427×787	940×460×820
Net weight	Indoor unit	kg	210				
	Outdoor unit	kg	55	55	82	82	110
Water circulating pipe inlet/outlet, DHW			1" Male BSP				
Diameter of pipe	Liquid	inch (mm)	1/4" (6,35)				
	Gas	inch (mm)	1/2" (12,7)				5/8" (15,6)

Model			CH-HP14WTSIRK3	CH-HP16WTSIRK3	CH-HP12WTSIRM3	CH-HP14WTSIRM3	CH-HPWT16SIRM3
Capacity*	Cooling	kW	12,60	13,00	11,00	12,60	13,00
(Floor cooling/heating)	Heating	kW	14,00	15,50	12,00	14,00	15,50
Power input*	Cooling	kW	3,41	3,60	2,50	3,41	3,60
(Floor cooling/heating)	Heating	kW	2,98	3,44	2,40	2,98	3,44
EER (Floor cooling)*			3,70	3,60	4,40	3,70	3,60
COP (Floor heating)*			4,70	4,50	5,00	4,70	4,51
Capacity**	Cooling	kW	11,07	11,51	10,65	11,24	11,52
(Floor cooling/heating)	Heating	kW	14,48	16,09	12,29	14,44	16,13
Power input**	Cooling	kW	4,18	4,49	3,74	4,13	4,38
(Floor cooling/heating)	Heating	kW	3,93	4,44	3,09	3,63	4,16
EER (Floor cooling)**			2,65	2,57	2,85	2,72	2,63
COP (Floor heating)**			3,68	3,62	3,98	3,98	3,88
Refrigerant charge volume		kg	1,84	1,84	1,84	1,84	1,84
Power supply			~220-240V/50Hz/1Ph		~380-415V/50Hz/3Ph		
Sound Pressure Level	Cooling	db(A)	62				
	Heating	db(A)	58				
Dimensions (WxDxH)	Indoor unit	mm	600×600×1756				
	Outdoor unit	mm	940×460×820				
Net weight	Indoor unit	kg	210				
	Outdoor unit	kg	110				
Water circulating pipe inlet/outlet, DHW					1" Male BSP		
Diameter of pipe	Liquid	inch (mm)	1/4" (6.35)				
	Gas	inch (mm)	5/8" (15,6)				

*Efficiency and performance measured under conditions: cooling - inlet/outlet water 23°C/18°C, outdoor temperature 23°C DB/24°C WB heating - inlet/outlet water 30°C/35°C, outdoor temperature 7°C DB/6°C WB

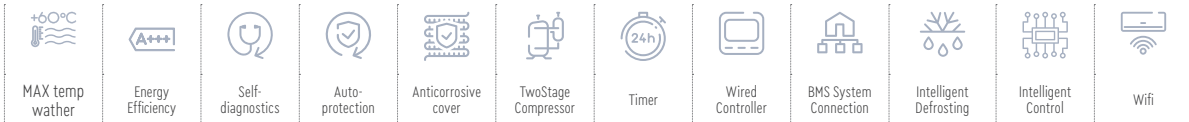
**Efficiency and performance measured under conditions: cooling - inlet/outlet water 12°C/7°C, outdoor temperature 35°C DB/24°C WB heating - inlet/outlet water 40°C/45°C, outdoor temperature 7°C DB/6°C WB



HEAT PUMP FOR AIR CONDITIONING, HEATING, AND HOT WATER SUPPLY

- ▶ Efficient inverter HP class A fully compliant to EU directive ErP. HP controls working frequency depending on real workload for precise temperature control.
- ▶ Inverter ventilator can accurately regulate airflow for efficient and stable operation.
- ▶ Plate heat exchanger Alpha Laval and 2-stage compressor improve performance of HP.
- ▶ Can be used with various types of heating devices: radiators, warm floors, fancoils, solar collectors, etc.
- ▶ Wired controller with 5" LCD touch screen display. Built-in WiFi for remote management. Modbus interface for remote monitoring and integration with BMS system.
- ▶ Intelligent management. Various modes of operation: weather-dependent mode, sleep mode, on-off timer, etc. Multilevel protection.
- ▶ Weather-dependent mode.
- ▶ New intelligent defrosting algorithm:
 - Defrosting on demand;
 - Defrosting when necessary;
 - Prolong defrosting when outdoor is heavily frost;
 - Short defrosting.

❄️ +10°C ... +48°C
☀️ -25°C ... +35°C

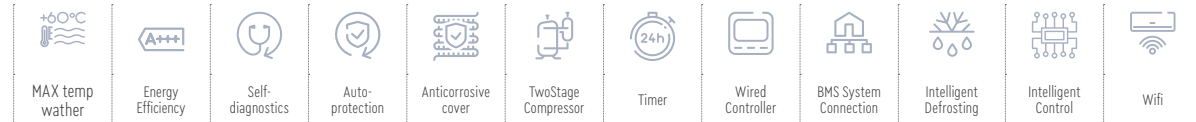


Model			CH-HP4.0MIRK	CH-HP6.0MIRK	CH-HP8.0MIRK	CH-HP10MIRK	CH-HP10MIRM	CH-HP12MIRK
Capacity* (Floor cooling/heating)	Cooling	kW	3,8	5,8	6,8	8,8	8,8	11
	Heating	kW	4	6	7,5	10	10	12
Power input* (Floor cooling/heating)	Cooling	kW	0,82	1,32	1,55	1,96	1,96	2,56
	Heating	kW	0,78	1,2	1,63	2,15	2,15	2,64
EER (Floor cooling)			4,65	4,4	4,4	4,5	4,5	4,2
COP (Floor heating)			5,1	5	4,6	4,65	4,65	4,55
Power supply			~220~240V/50Hz/1Ph				~380~415V/50Hz/3Ph	~220~240V/50Hz/1Ph
Capacity** (Fan coil or Radiator)	Cooling	kW	3	4	5	7,8	7,8	9,5
	Heating	kW	4	6	7,5	10	10	12
Power input** (Fan coil or Radiator)	Cooling	kW	0,94	1,27	1,56	2,48	2,48	3,11
	Heating	kW	0,98	1,56	2	2,67	2,67	3,48
EER*2 (Fan coil)			3,2	3,15	3,2	3,15	3,15	3,05
COP*2 (Fan coil or Radiator)			4,1	3,85	3,75	3,75	3,75	3,6
Refrigerant charge volume		kg	0,87				2,2	
Sound Pressure Level	Cooling	db(A)	56				59	
	Heating	db(A)	58				61	
Dimensions (WxDxH)	Outline	mm	1150×345×758				1200×460×878	
Weight	Net	kg	96				151	
Water circulating pipe inlet/outlet			1" Male BSP					

Model			CH-HP12MIRM	CH-HP14MIRK	CH-HP14MIRM	CH-HP16MIRK	CH-HP16MIRM
Capacity* (Floor cooling/heating)	Cooling	kW	11	12,5	12,5	14,5	14,5
	Heating	kW	12	14	14	15,5	15,5
Power input* (Floor cooling/heating)	Cooling	kW	2,56	3,05	3,05	3,82	3,82
	Heating	kW	2,64	3,22	3,22	3,6	3,6
EER* (Floor cooling)			4,2	4	4,2	3,7	4
COP* (Floor heating)			4,5	4,35	4,55	4,3	4,35
Power supply			~380-415V/50Hz/3Ph	~220-240V/50Hz/1Ph	~380-415V/50Hz/3Ph	~220-240V/50Hz/1Ph	~380-415V/50Hz/3Ph
Capacity** (Fan coil or Radiator)	Cooling	kW	9,5	12	12	13	13
	Heating	kW	12	14	14	15,5	15,5
Power input** (Fan coil or Radiator)	Cooling	kW	3,11	4,14	4,14	4,73	4,73
	Heating	kW	3,48	4,18	4,18	4,7	4,7
EER** (Fan coil)			3	2,9	3,05	2,75	2,9
COP** (Fan coil or Radiator)			3,5	3,55	3,6	3,4	3,55
Refrigerant charge volume		kg	2,2				
Sound Pressure Level	Cooling	db(A)	59				
	Heating	db(A)	61				
Dimensions (WxDxH)	Outline	mm	1200×460×878				
Weight	Net	kg	151				
Water circulating pipe inlet/outlet			1" Male BSP				

*Efficiency and performance measured under conditions: cooling - inlet/outlet water 23°C/18°C, outdoor temprature 23°C DB/24°C WB heating - inlet/outlet water 30°C/35°C, outdoor temprature 7°C DB/6°C WB

**Efficiency and performance measured under conditions: cooling - inlet/outlet water 12°C/7°C, outdoor temprature 35°C DB/24°C WB heating - inlet/outlet water 40°C/45°C, outdoor temprature 7°C DB/6°C WB



Model			CH-HP4.0SIRK3	CH-HP6.0SIRK3	CH-HP8.0SIRK3	CH-HP10SIRK3	CH-HP12SIRK3
Capacity*	Cooling	kW	3,80	5,80	7,00	8,50	11,00
	Heating	kW	4,00	6,00	8,00	9,50	12,00
Power input*	Cooling	kW	0,80	1,32	1,75	2,24	2,50
	Heating	kW	0,78	1,20	1,70	2,07	2,40
EER* ¹			4,75	4,40	4,00	3,80	4,40
COP* ¹			5,10	5,00	4,70	4,60	5,00
Capacity**	Cooling	kW	3,15	4,09	5,30	6,50	10,59
	Heating	kW	4,00	5,90	8,00	9,50	12,40
Power input**	Cooling	kW	0,92	1,28	1,73	2,27	3,79
	Heating	kW	1,02	1,51	2,14	2,64	3,29
EER (Floor cooling) **			3,40	3,20	3,00	2,90	2,79
COP (Floor heating)**			3,90	3,90	3,70	3,60	3,77
Refrigerant charge volume		kg	1,00	1,00	1,60	1,60	1,84
Power supply			~220-240V/50Hz/1Ph				
Sound Pressure Level	Cooling	dB(A)	52	52	55	55	68
	Heating	dB(A)	52	52	55	55	68
Dimensions (Wx-DxH)	Indoor unit	mm	460×318×860				
	Outdoor unit	mm	975×396×702		982×427×787		940×460×820
Net weight	Indoor unit	kg	62				
	Outdoor unit	kg	55	55	82	82	110
Water circulating pipe inlet/outlet, DHW			1" Male BSP				
Diameter of pipe	Liquid	inch (mm)	1/4" (6,35)				
	Gas	inch (mm)	1/2" (12,7)				

Model			CH-HP14SIRK3	CH-HP16SIRK3	CH-HP12SIRM3	CH-HP14SIRM3	CH-HP16SIRM3
Capacity*	Cooling	kW	12,60	13,00	11,00	12,60	13,00
	Heating	kW	14,00	15,50	12,00	14,00	15,50
Power input*	Cooling	kW	3,41	3,60	2,50	3,41	3,60
	Heating	kW	2,98	3,44	2,40	2,98	3,44
EER* ¹			3,70	3,60	4,40	3,70	3,60
COP* ¹			4,70	4,50	5,00	4,70	4,51
Capacity**	Cooling	kW	11,07	11,51	10,65	11,24	11,52
	Heating	kW	14,48	16,09	12,29	14,44	16,13
Power input**	Cooling	kW	4,18	4,49	3,74	4,13	4,38
	Heating	kW	3,93	4,44	3,09	3,63	4,16
EER (Floor cooling) **			2,65	2,57	2,85	2,72	2,63
COP (Floor heating) **			3,68	3,62	3,98	3,98	3,88
Refrigerant charge volume		kg	1,84	1,84	1,84	1,84	1,84
Power supply			~220-240V/50Hz/1Ph			~380-415V/50Hz/3Ph	
Sound Pressure Level	Cooling	dB(A)	62				
	Heating	dB(A)	58				
Dimensions (WxDxH)	Indoor unit	mm	460×318×860				
	Outdoor unit	mm	940×460×820				
Net weight	Indoor unit	kg	62				
	Outdoor unit	kg	110				
Water circulating pipe inlet/outlet, DHW			1" Male BSP				
Diameter of pipe	Liquid	inch (mm)	1/4" (6,35)				
	Gas	inch (mm)	5/8" (15,9)				

*Efficiency and performance measured under conditions: cooling - inlet/outlet water 23°C/18°C, outdoor temprature 23°C DB/24°C WB heating - inlet/outlet water 30°C/35°C, outdoor temprature 7°C DB/6°C WB

**Efficiency and performance measured under conditions: cooling - inlet/outlet water 12°C/7°C, outdoor temprature 35°C DB/24°C WB heating - inlet/outlet water 40°C/45°C, outdoor temprature 7°C DB/6°C WB