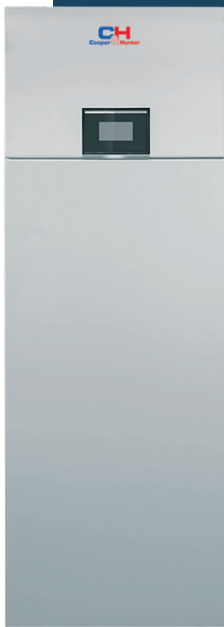
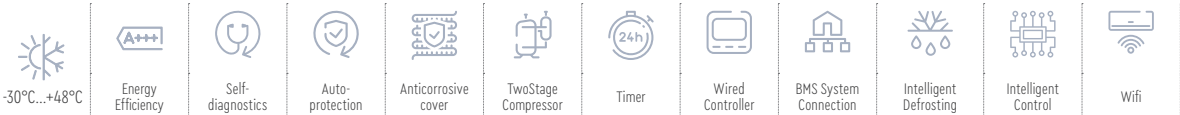


UNITHERM 3 ALL-IN-ONE



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)	Outline	mm	600×600×1756	600×600×1756	600×600×1756	600×600×1756	600×600×1756
	Packaged	mm	975×396×702	975×396×702	982×427×787	982×427×787	940×460×820
Weight	Net	kg	210	210	210	210	210
	Gross	kg	55	55	58	58	58
Operation range	Cooling	°C	+10...+48				
	Heating	°C	-25...+35				
	Water heating	°C	40-60 ⁺³				
Water circulating pipe inlet/outlet			1" Male BSP				

Model			CH-HP14WTSIRK3	CH-HP16WTSIRK3	CH-HP12WTSIRM3	CH-HP14WTSIRM3	CH-HPWT16SIRM3
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 (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
	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			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	62	62	62	62
	Heating	db(A)	58	58	58	58	58
Dimensions (WxDxH)	Outline	mm	600×600×1756	600×600×1756	600×600×1756	600×600×1756	600×600×1756
	Packaged	mm	940×460×820	940×460×820	940×460×820	940×460×820	940×460×820
Weight	Net	kg	210	210	210	210	210
	Gross	kg	58	58	58	58	58
Operation range	Cooling	°C	+10...+48				
	Heating	°C	-25...+35				
	Water heating	°C	40-60 ⁺³				
Water circulating pipe inlet/outlet			1" Male BSP				

*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

UNITHERM 3 SERIES

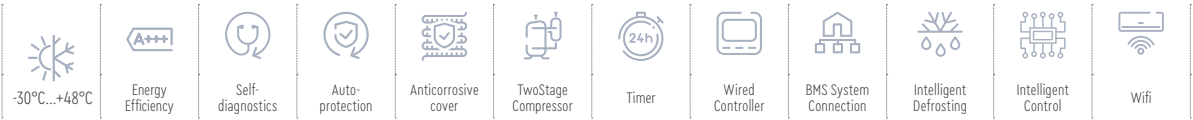


HEAT PUMP FOR AIR CONDITIONING, HEATING, AND HOT WATER SUPPLY

- ▶ 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.
- ▶ New intelligent defrosting algorithm:
 - Defrosting on demand;
 - Defrosting when necessary;
 - Prolong defrosting when outdoor is heavily frost;
 - Short defrosting.



INVERTER



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	11.0
	Heating	kW	4.0	6.0	7.5	10	10.0	12.0
Power input* (Floor cooling/heating)	Cooling	kW	0.82	1.32	1.55	1.96	1.96	2.56
	Heating	kW	0.78	1.20	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	5.0	4.6	4.65	4.65	4.55
Power supply			~220-240V/50Hz/1Ph	~220-240V/50Hz/1Ph	~220-240V/50Hz/1Ph	~220-240V/50Hz/1Ph	~380-415V/50Hz/3Ph	~220-240V/50Hz/1Ph
Capacity** (Fan coil or Radiator)	Cooling	kW	3.0	4.0	5.0	7.8	7.8	9.5
	Heating	kW	4.0	6.0	7.5	10.0	10.0	12.0
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	2.00	2.67	2.67	3.48
EER** (Fan coil)			3.2	3.15	3.2	3.15	3.15	3.05
COP** (Fan coil or Radiator)			4.1	3.85	3.75	3.75	3.75	3.6
Refrigerant charge volume		kg	0.87			2.2		
Sanitary water Temperature		°C				40~80		
Sound Pressure Level	Cooling	db(A)	56			59		
	Heating	db(A)	58			61		
Dimensions (WxDxH)	Outline	mm	1150×345×758			1200×460×878		
	Packaged	mm	1258×488×900			1288×588×1020		
Weight	Net	kg	96			151		
	Gross	kg	109			166		
Operation range	Cooling	°C				10~48		
	Heating	°C				-30~35		
	Water heating	°C				-30~45		
Water circulating pipe inlet/outlet			1" Male BSP					