



- ▶ Titanium heat exchanger;
- ▶ Ozone-safe refrigerant R32;
- ▶ Convenient control panel;
- ▶ High efficiency;
- ▶ Operating temperature range from -7°C to +43°C;
- ▶ Used for pools up to 78 m³.

Model		CH-HP010LERK	CH-HP015LERK	CH-HP020LERK	CH-HP030LERK	CH-HP035LERK	CH-HP040LERK	CH-HP045LERK
Recommended pool volume	m³	17	25	35	45	58	65	78
Operating temperature range	°C	-7~43						
Working conditions: Air 27°C / Water 26°C / Humidity 80%								
Heating capacity	kW	3.40	5.00	8.00	11.00	12.30	13.90	15.50
Heating capacity	Btu	11560	17000	27200	37400	41820	47260	52700
Consumer power	kW	0.66	0.96	1.55	2.16	2.33	2.69	2.98
COP		5.15	5.20	5.16	5.10	5.28	5.17	5.20
Working conditions: Air 24°C / Water 26°C / Humidity 62%								
Heating capacity	kW	2.90	4.40	7.00	9.50	10.50	12.40	13.60
Heating capacity	Btu	9860	14858	23800	32300	35700	42160	46240
Consumer power	kW	0.60	0.91	1.45	2.00	2.24	2.59	2.78
COP		4.83	4.80	4.83	4.75	4.68	4.79	4.89
Working conditions: Air 15°C / Water 26°C / Humidity 70%								
Heating capacity	kW	2.60	3.40	5.20	7.60	8.40	10.80	12.10
Heating capacity	Btu	8840	11560	17680	25840	28560	36720	41140
Consumer power	kW	0.77	0.9	1.33	1.97	2.27	2.89	3.18
COP		3.40	3.78	3.90	3.85	3.70	3.74	3.80
Power supply		220-240V~/1Ph/50Hz						
Body material		Metal						
Refrigerant type		R32						
Number of fans		1						
Water connection	mm	50						
Fan speed	RPM	870	870	810	810	810	810	810
Noise level from 1m	dB(A)	49	51	53	54	55	56	56
Dimensions (LxWxH)	mm	805×300×545		850×320×700			1165×480×820	



HEAT PUMPS FOR
SWIMMING POOLS
AIR-TO-WATER



TURBO-INVERTER

SERIES



BOOST INVERTER

SERIES



- ▶ Titanium heat exchanger;
- ▶ Ozone-safe refrigerant R32;
- ▶ Touch control panel 5 inch;
- ▶ High efficiency;
- ▶ Remote Wi-Fi control;
- ▶ Vertical air emission;
- ▶ Low noise level;
- ▶ Intelligent defrost system;
- ▶ High accuracy of temperature maintenance;
- ▶ Operating temperature range from -15°C to + 43°C;
- ▶ Used for pools up to 136 m³.



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- ▶ Ozone-safe refrigerant R32;
- ▶ Touch control panel 5 inch;
- ▶ High efficiency;
- ▶ Remote Wi-Fi control;
- ▶ High accuracy of temperature maintenance;
- ▶ Operating temperature range from -15°C to +43°C;
- ▶ Used for pools up to 169 m³.

Model		CH-HP050LTIRK	CH-HP050LTIRM	CH-HP060LTIRK	CH-HP060LTIRM	CH-HP070LTIRK	CH-HP070LTIRM	CH-HP080LTIRK	CH-P080LTIRM
Recommended pool volume	m³	42-84	42-84	50-100	50-100	58-116	60-120	68-136	68-136
Operating temperature range	°C	-15~43							
Working conditions: Air 27°C / Water 26°C / Humidity 80%									
Heating capacity	kW	4.9~21.0	5.1~21.6	5.9~24.6	5.8~24.4	6.7~28.6	7.0~29.5	8.0~34.0	8.2~34.7
Heating capacity	Btu	16660~71400	17340~73440	20060~83460	19720~82960	22780~97240	23800~100300	27200~115600	27880~117980
Consumer power	kW	0.43~4.08	0.43~4.29	0.47~4.94	0.47~4.65	0.53~5.4	0.55~5.6	0.64~6.6	0.66~6.9
COP		5.15~11.4	5.03~11.86	4.98~12.55	5.25~12.34	5.3~12.64	5.27~12.7	5.15~12.5	5.03~12.42
Working conditions: Air 24°C / Water 26°C / Humidity 62%									
Heating capacity	kW	3.8~16.2	3.9~16.3	4.8~18.4	4.5~19.0	5.50~23.40	5.8~24.6	6.6~27.8	6.5~27.7
Heating capacity	Btu	12920~55080	13090~55420	16252~62560	15198~64600	18700~79560	19652~83640	22440~94520	22100~94180
Consumer power	kW	0.57~3.86	0.59~3.82	0.73~4.64	0.68~4.39	0.82~5.40	0.99~4.53	0.99~6.5	0.97~6.46
COP		4.2~6.67	4.27~6.53	3.96~6.55	4.33~6.57	4.33~6.71	4.53~5.84	4.28~6.67	4.29~6.7
Working conditions: Air 15°C / Water 26°C / Humidity 70%									
Heating capacity	kW	3.44~14.1	3.5~14.0	4.3~18.2	4.0~17.0	4.9~20.9	4.9~20.9	5.9~24.8	6.1~25.9
Heating capacity	Btu	11696~47940	11798~47600	14552~61880	13600~57800	16660~71060	16660~71060	20060~84320	20740~88060
Consumer power	kW	0.62~3.52	0.62~3.59	0.74~4.35	0.70~4.10	0.86~5.05	0.84~4.93	1.05~6.1	1.07~6.32
COP		4.01~5.55	3.90~5.60	4.18~5.78	4.15~5.71	4.14~5.70	4.24~5.83	4.07~5.62	4.1~5.7
Power supply		230V/1Ph/50Hz	400V/3Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz
Body material		ABS plastic							
Refrigerant type		R32							
Number of fans		1							
Fan speed	RPM	500-750	500~750	600-800	600-800	600-800	600-800	500-800	500-800
Noise level from 1m	dB(A)	48-58	48-58	48-58	48-58	49-60	49-60	50-61	50-61
Noise level from 1m (min.)	dB(A)	48	48	50	50	53	53	55	55
Noise level from 10m	dB(A)	28-38	28-38	30-40	30-40	33-43	33-43	35-45	35-45
Noise level from 1m (min.)	dB(A)	28	28	30	30	33	33	35	35
Water connection	mm	50							
Water consumption	m³/g	6.8	7.1	8.3	8.1	9.5	9.8	11.2	11.5
Pressure loss (max.)	kPa	4	4	11	11	16	16	20	20
Dimensions (LxWxH)	mm	770×990×970					920×960×1025		

Model		CH-HP050LBIRK	CH-HP060LBIRK	CH-HP075LBIRK	CH-HP095LBIRK	CH-HP120LBIRK	CH-HP169LBIRK	CH-HP095LBIRM	CH-HP120LBIRM	CH-HP169LBIRM
Recommended pool volume	m³	25-50	30-60	40-75	50-95	65-120	90-169	50-95	65-120	6.7-28.3
Operating temperature range	°C	-15-43								
Working conditions: Air 27°C / Water 26°C / Humidity 80%										
Heating capacity	kW	2.15-9	2.85-12	3.77-17	4.6-19.5	5.7-24.2	6.7-28.3	4.6-19.5	5.7-24.2	8.2-34.7
Heating capacity	Btu	7310-30600	9690-40800	12818-57800	15640-66300	19380-82280	22780-96220	15640-66300	19380-82280	22780-96220
Consumer power	kW	0.16-1.6	0.21-2.12	0.3-3.02	0.37-3.94	0.46-4.8	0.54-5.57	0.37-3.94	0.46-4.8	0.54-5.57
COP		13.44-5.63	13.57-5.66	12.57-5.63	12.43-4.95	12.39-5.04	12.41-5.08	12.43-4.95	12.39-5.04	12.41-5.08
Working conditions: Air 24°C / Water 26°C / Humidity 62%										
Heating capacity	kW	1.75-7.4	2.25-9.7	2.92-12.4	3.84-15.4	4.68-19.9	5.46-23.3	3.84-15.4	4.68-19.9	5.46-23.3
Heating capacity	Btu	5950-25160	7650-32980	9928-42160	13056-52360	15912-67660	18564-79220	13056-52360	15912-67660	18564-79220
Consumer power	kW	0.25-1.6	0.32-2.08	0.44-2.86	0.6-3.81	0.72-4.74	0.83-5.49	0.6-3.81	0.72-4.74	0.83-5.49
COP		7-4.63	7.03-4.66	6.64-4.34	6.4-4.04	6.5-4.2	6.58-4.24	6.4-4.04	6.5-4.2	6.58-4.24
Working conditions: Air 15°C / Water 26°C / Humidity 70%										
Heating capacity	kW	1.42-6.1	1.88-8	2.5-10.7	3.38-14.4	4.2-17.8	4.9-20.8	3.38-14.4	4.2-17.8	4.9-20.8
Heating capacity	Btu	4828-20740	6392-27200	8500-36380	11492-48960	14280-60520	16660-70720	11492-48960	14280-60520	16660-70720
Consumer power	kW	0.25-1.5	0.33-1.95	0.45-2.64	0.62-3.62	0.75-4.4	0.87-5.1	0.62-3.62	0.75-4.4	0.87-5.1
COP		5.68-4.07	5.7-4.1	5.56-4.05	5.45-3.98	5.6-4.05	5.63-4.08	5.45-3.98	5.6-4.05	5.63-4.08
Power supply		230V/1Ph/50Hz						400V/3Ph/50Hz		
Body material		ABS plastic								
Refrigerant type		R32								
Number of fans		1				2		1	2	
Fan speed	RPM	400-800	400-800	500-750	500-900	400-800	400-900	500-900	400-800	400-900
Noise level from 1m	dB(A)	40-50	42-52	44-53	45-56	46-57	48-58	45-56	46-57	48-58
Noise level from 1m (min.)	dB(A)	40	42	44	45	46	48	45	46	48
Noise level from 10m	dB(A)	20-30	22-32	24-33	25-36	26-37	28-38	25-36	26-37	28-38
Noise level from 1m (min.)	dB(A)	20	22	24	25	26	28	25	26	28
Water connection	mm	50								
Water consumption	m³/g	3.5	4.7	5.4	6.7	8.6	10.0	6.7	8.5	10.0
Pressure loss (max.)	kPa	4	4.5	5	6	11	15	6	11	20
Dimensions (LxWxH)	mm	950×400×620			1110×480×870		1165×470×1275		1110×480×870	