



# HEAT PUMPS FOR SWIMMING POOLS

AIR-TO-WATER



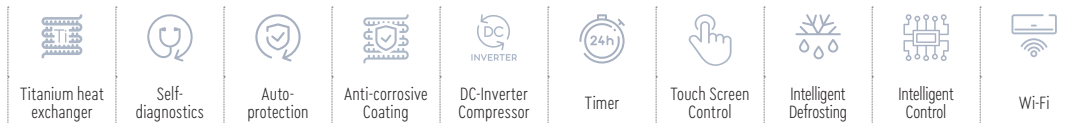
INVERTER

R32



- ▶ Titanium heat exchanger;
- ▶ Ozone-safe refrigerant R32;
- ▶ 5-inch touch control panel;
- ▶ High efficiency;
- ▶ Wi-Fi remote control;
- ▶ Vertical air release;
- ▶ Low noise level;
- ▶ Intelligent defrosting system;
- ▶ High accuracy of temperature maintenance;
- ▶ Operating temperature range from -15 °C to +43 °C;
- ▶ It is used for pools up to 136 m<sup>3</sup>.

☀ -15°C ... +43°C



		CH-HP050LTIRK	CH-HP050LIRM	CH-HP060LTIRK	CH-HP060LIRM	CH-HP070LTIRK	CH-HP070LIRM	CH-HP080LIRM	
Recommended pool volume	m <sup>3</sup>	42-84	42-84	50-100	50-100	58-116	60-120	68-136	
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	8.2~34.7	
	Btu	16660~71400	17340~73440	20060~83460	19720~82960	22780~97240	23800~100300	27880~117980	
Power input	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	0.66~6.9	
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	5.03~12.42	
Working conditions: Air 15°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	6.5~27.7	
	Btu	12920~55080	13090~55420	16252~62560	15198~64600	18700~79560	19652~83640	22100~94180	
Power input	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	0.97~6.46	
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	4.29~6.7	
Working conditions: Air 10°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	6.1~25.9	
	Btu	11696~47940	11798~47600	14552~61880	13600~57800	16660~71060	16660~71060	20740~88060	
Power input	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	1.07~6.32	
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	4.1~5.7	
Power supply		230V/1 Ph/50 Hz	400V/3 Ph/50 Hz	230V/1 Ph/50 Hz	400V/3 Ph/50 Hz	230V/1 Ph/50 Hz	400V/3 Ph/50 Hz	400V/3 Ph/50 Hz	
Corpus material		ABS plastic							
Refrigerant		R32							
Number of fans		1							
Fan speed	RPM	500-750	500-750	600-800	600-800	600-800	600-800	500-800	
Noise level from 1m	dB(A)	48-58	48-58	48-58	48-58	49-60	49-60	50-61	
Noise level from 1m (min.)	dB(A)	48	48	50	50	53	53	55	
Noise level from 10m	dB(A)	28-38	28-38	30-40	30-40	33-43	33-43	35-45	
Noise level from 10m (min.)	dB(A)	28	28	30	30	33	33	35	
Piping inlet/outlet	inch	2							
Water flow	m <sup>3</sup> /h	6,8	7,1	8,3	8,1	9,5	9,8	11,5	
Water pressure loss	kPa	4	4	11	11	16	16	20	
Dimensions (LxWxH)	mm	770×990×970				920×960×1025			

INVERTER

R32



- ▶ Titanium heat exchanger;
- ▶ Ozone-safe refrigerant R32;
- ▶ Touch control panel 5 inches;
- ▶ High efficiency;
- ▶ Wi-Fi remote control;
- ▶ High accuracy of temperature maintenance;
- ▶ Operating temperature range from -15 °C to +43 °C;
- ▶ It is used for pools up to 120 m<sup>3</sup>.

-15°C ... +43°C

Titanium heat exchanger	Self-diagnostics	Auto-protection	Anti-corrosive Coating	DC-Inverter Compressor	Timer	Touch Screen Control	Intelligent Defrosting	Intelligent Control	Wi-Fi

		CH-HP050LBIRK	CH-HP060LBIRK	CH-HP075LBIRK	CH-HP095LBIRK	CH-HP095LBIRM	CH-HP120LBIRM
Recommended pool volume	m <sup>3</sup>	25-50	30-60	40-75	50-95	50-95	65-120
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	4.6-19.5	5.7-24.2
	Btu	7310-30600	9690-40800	12818-57800	15640-66300	15640-66300	19380-82280
Power input	kW	0.16-1.6	0.21-2.12	0.3-3.02	0.37-3.94	0.37-3.94	0.46-4.8
COP		13.44-5.63	13.57-5.66	12.57-5.63	12.43-4.95	12.43-4.95	12.39-5.04
Working conditions: Air 15°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	3.84-15.4	4.68-19.9
	Btu	5950-25160	7650-32980	9928-42160	13056-52360	13056-52360	15912-67660
Power input	kW	0.25-1.6	0.32-2.08	0.44-2.86	0.6-3.81	0.6-3.81	0.72-4.74
COP		7-4.63	7.03-4.66	6.64-4.34	6.4-4.04	6.4-4.04	6.5-4.2
Working conditions: Air 10°C / Water 26°C / Humidity 70%							
Heating capacity	kW	1.42-6.1	1.88-8	2.5-10.7	3.38-14.4	3.38-14.4	4.2-17.8
	Btu	4828-20740	6392-27200	8500-36380	11492-48960	11492-48960	14280-60520
Power input	kW	0.25-1.5	0.33-1.95	0.45-2.64	0.62-3.62	0.62-3.62	0.75-4.4
COP		5.68-4.07	5.7-4.1	5.56-4.05	5.45-3.98	5.45-3.98	5.6-4.05
Power supply		~220-240V/50 Hz/1 Ph				~380-415V/50 Hz/3 Ph	
Corpus material		ABS plastic					
Refrigerant		R32					
Number of fans		1				2	
Fan speed	RPM	400-800	400-800	500-750	500-900	500-900	400-800
Noise level from 1m	dB(A)	40-50	42-52	44-53	45-56	45-56	46-57
Noise level from 1m (min.)	dB(A)	40	42	44	45	45	46
Noise level from 10m	dB(A)	20-30	22-32	24-33	25-36	25-36	26-37
Noise level from 10m (min.)	dB(A)	20	22	24	25	25	26
Piping inlet/outlet	inch	2					
Water consumption	m <sup>3</sup> /h	3,5	4,7	5,4	6,7	6,7	8,5
Pressure loss (max.)	kPa	4	4,5	5	6	6	11
Dimensions (LxWxH)	mm	950×400×620			1110×480×870		1165×470×1275





- ▶ Titanium heat exchanger;
- ▶ Ozone-safe refrigerant R32;
- ▶ Convenient control panel;
- ▶ High efficiency;
- ▶ Operating temperature range from -7°C to +43°C;
- ▶ It is used for pools up to 58 m<sup>3</sup>.

-7°C ... +43°C

Titanium heat exchanger	Self-diagnostics	Auto-protection	Anti-corrosive Coating	ON/OFF Compressor	Timer

		CH-HP010LERK	CH-HP015LERK	CH-HP020LERK	CH-HP030LERK	CH-HP035LERK
Recommended pool volume	m <sup>3</sup>	17	25	35	45	58
Operating temperature range	°C	-7 ~ 43				
<b>WORKING CONDITIONS: AIR 27°C / WATER 26°C / HUMIDITY 80%</b>						
Heating capacity	kW	3.40	5.00	8.00	11.00	12.30
	Btu	11560	17000	27200	37400	41820
Power input	kW	0.66	0.96	1.55	2.16	2.33
COP		5.15	5.20	5.16	5.10	5.28
<b>WORKING CONDITIONS: AIR 24°C / WATER 26°C / HUMIDITY 62%</b>						
Heating capacity	kW	2.90	4.40	7.00	9.50	10.50
	Btu	9860	14858	23800	32300	35700
Power input	kW	0.60	0.91	1.45	2.00	2.24
COP		4.83	4.80	4.83	4.75	4.68
<b>WORKING CONDITIONS: AIR 15°C / WATER 26°C / HUMIDITY 70%</b>						
Heating capacity	kW	2.60	3.40	5.20	7.60	8.40
	Btu	8840	11560	17680	25840	28560
Power input	kW	0.77	0.9	1.33	1.97	2.27
COP		3.40	3.78	3.90	3.85	3.70
Power supply		~220-240 V / 50 Hz / 1 Ph				
Corpus material		Metal				
Refrigerant		R32				
Number of fans		1				
Piping inlet/outlet	mm	50				
Fan speed	RPM	870			810	
Noise level from 1 m	dB (A)	49	51	53	54	55
Dimensions (LxWxH)	mm	805×300×545			850×320×700	