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DC Inverter Swimming Pool Heat Pump

Laswim DC inverter heat pumps use R32, is only 25% CO2 emission and 25% gas quota of R410A.

Warm your pool at more favorable cost and eco-friendly.



DC INVERTER SWIMMING POOL HEAT PUMP

Inverter technology makes swimming pool heat pump achieve an extremely high COP and quiet operation. With variable running speed based on actual heating or cooling requirements, it warms up the pools at a low speed when the pool temperature is getting close to the set temperature. LASWIM DC inverter swimming pool heat pump helps cut the running cost and provides a comfortable swimming environment.

1. COP up to 11

- (Air 27°C/Water 27°C/Humidity 80%)
- No matter it's cold or warm, it will adjust the heating capacity according to the pool water temperature. When running at 20%-25% speed, it reaches the highest COP 11.

2. Super energy saving

- With low-speed running, DC inverter heat pump is double energy saving than traditional on/off heat pump.

3. Silent operation

- Thanks to the stable DC inverter control system, DC inverter compressor and variable speed ventilator, LASWIM DC inverter heat pump runs very silently and provides you a comfortable swimming environment.

4. Smart WIFI control(Optional)

- With smart APP control, you can check and control your heat pump anytime and anywhere, all information is at your fingertips.

Model	LAS07-KP-DI	LAS09-KP-DI	LAS13-KP-DI	LAS16-KP-DI	LAS20-KP-DI	LAS24-KP-DI
Performance condition: Air: 27°C / Water: 27°C / Humidity: 80%						
Heating capacity (kW)	7	9	13	16	20.2	24.2
COP Range	10.1~6	10.4~6.2	10.8~6.3	10.6~6.2	10.8~6.1	10.8~6.2
Average COP at 50% speed	8.9	9.1	9.2	9.1	9.1	9.2
Performance condition:: Air: 15°C / Water: 26°C / Humidity: 70%						
Heating capacity (kW)	5	6.4	9.1	11.1	14	16.2
COP Range	6.2~4.3	6.5~4.2	6.2~4.5	6.6~4.3	6.5~4.2	6.6~4.5
Average COP at 50% speed	5.9	6.1	6	6.1	6.1	6.2
Technical specifications						
Advised pool volume (m ³)	15-30	20-45	35-65	40-75	50-90	60-110
Operating air temperature (°C)	0°C~43°C					
Casing	ABS material					
Heat exchanger	Twisted titanium heat exchanger					
Refrigerant type	R32					
Power supply	230V/1N/ 50Hz					
Rated input power (kW)	0.24~1.18	0.28~1.56	0.41~2.02	0.50~2.55	0.60~3.25	0.72~3.82
Input power at 50% speed (kW)	0.42	0.54	0.75	0.9	1.15	1.3
Rated input current (A)	1.0~5.06	1.21~6.73	1.76~8.7	2.17~11.12	2.61~14.16	3.13~16.56
Maximum input current (A)	6.5	8	12.5	17	19.5	20.5
Power cord (mm ²)	3X1.5	3X1.5	3X2.5	3X4	3X6	3X6
Sound level at 1m	40~51.2	41.6~53.5	44~54.0	46.2~57.4	46.3~58.2	46.9~58.8
Sound level by 50% speed at 1m dB(A)	43.8	46.8	49.5	49.8	50.6	51.2
Sound level at 10m dB(A)	19.8~31.2	21.6~33.6	23.9~34.2	26.2~37.3	26.3~38.2	27~38.8
Advised water flow (m ³ /h)	2~4	3~5	4~6	6~8	7~10	10~12
Water connection (mm)	50					

R32 Net weight (g)	400	550	900	1000	1100	1300
Gross weight (Kg)	47	52	55	67	76	78
Net weight (Kg)	43	47	49	60	68	68
Net dimension LxWxH (mm)	903*349*65 4	903*349*65 4	903*349*65 4	991*349*65 4	991*349*75 4	991*420*75 57
Loading quantity of 20ft/40HQ (Sets)	102/216	102/216	102/216	90/198	60/198	50/162

Remarks:

* The above data will be subject to change without further notice, please refer to the nameplate on the unit.

* Advised pool volume applies to a private pool with an isothermal cover, from April to September.

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