

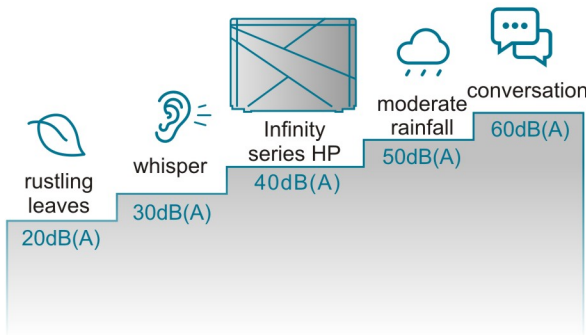


SUPER SILENT FULL INVERTER SWIMMING POOL HEAT PUMP INFINITY SERIES

LASWIM super silent full inverter swimming pool heat pump Infinity series is specially designed for silent and comfortable user experience, with COP up to 15 while sound level is down to 42dB. Thanks to the DC inverter compressor, stepless inverter control system and brushless fan motor, the speed can be adjusted Hz by Hz and round by round, to achieve energy saving and super silence.

Super silence

- Unique backward airflow helps to provide comfort silence swimming experience. It adopts invisible fan to draw air from two sides and bottom side, and exhaust out from back side to eliminate every possible noise to realize silence and comfort, and achieve a sound level down to 42dB(A) at 1m, 10dB(A) lower than On/Off heat pump, you'll hardly notice it's there.



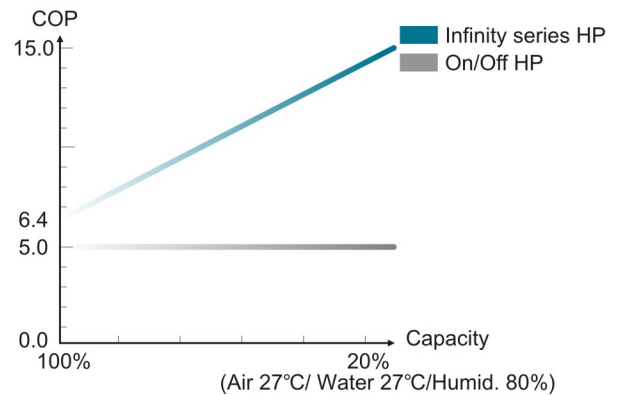
Stepless DC Inverter
COP up to 15

42dB(A) at 1m
Comfort Silence

WIFI

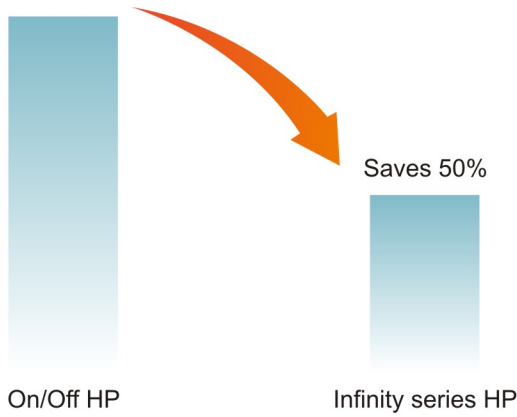
COP up to 15

- Infinity series heat pump runs at middle & low speed to maintain pool temperature for 95% of swimming season, COP can be up to 15.



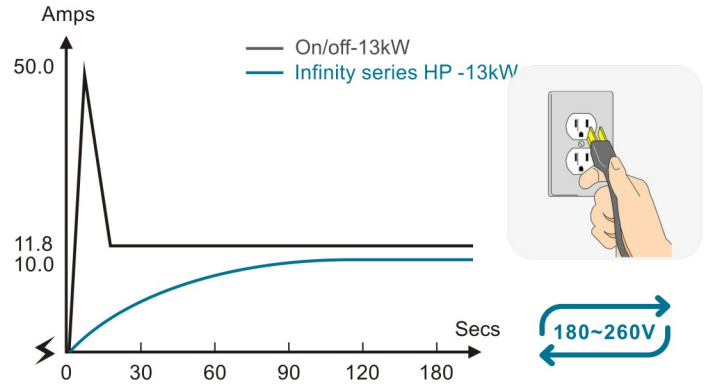
Energy saving

- With low-speed running most of the time, Infinity series heat pump is double energy saving than On/Off heat pump, as it will adjust the operating speed of its compressors and fan motors automatically according to the heating or cooling demand.



Soft start & wide voltage application

- The input current will start from 0 Amps to rated Amps steadily. More friendly to house electricity system. Infinity series heat pump can be also adapted to wide voltage from 180~260V.



Built-in Wi-Fi function

- With Wi-Fi function, you can control your heat pump with a smart APP on the phone easily at anywhere and anytime.



Other features



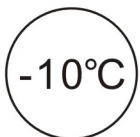
EEV technology

10 times flexibility to adjust the gas flow and increase the COP by up to 20%.



Twisted titanium heat exchanger

40% higher efficiency than normal titanium heat exchanger.



Designed for down to Air -10 °C Operation.



ECO-Friendly refrigerant

32% GWP comparing to R410A, 25% CO₂ carbon consumption and 25% quota cost



Twin-Rotary DC Inverter compressor.



Reverse cycle defrosting

With Saginomiya 4-way valve for quick and efficient defrosting.

Technical parameters

| Model | LAS13-IFPQ1-S4C2 | LAS16-IFPQ1-S4C2 | LAS20-IFPQ1-S4C2 | LAS24-IFPQ1-S4C2 |
|---|--------------------------|------------------|------------------|------------------|
| Performance condition: Air 27°C/ Water 27°C/ Humid. 80% | | | | |
| Heating capacity (kW) | 2.6-13.2 | 3.2-16.0 | 4.1-20.8 | 4.5-24.0 |
| Heating capacity (BTU) | 8900-45100 | 11000-54600 | 14000-71000 | 15400-81900 |
| COP Range | 14.9-6.0 | 14.5-5.9 | 15.2-6.1 | 15.0-5.7 |
| Average COP at 50% Speed | 9.8 | 9.6 | 9.7 | 9.8 |
| Performance condition: Air 15°C/ Water 26°C/ Humid. 70% | | | | |
| Heating capacity (kW) | 1.8-9.1 | 2.3-11.5 | 2.9-14.4 | 3.4-15.9 |
| Heating capacity (BTU) | 6200-31100 | 7900-39300 | 9900-49200 | 11600-54300 |
| COP Range | 8.4-4.0 | 8.7-4.2 | 8.8-4.1 | 8.7-4.2 |
| Average COP at 50% Speed | 7.4 | 7.1 | 7.3 | 7.2 |
| Technical specifications | | | | |
| Advised pool volume (m ³) * | 20~45 | 35~65 | 50~90 | 60~110 |
| Operating air temperature (°C) | -10°C~43°C | | | |
| Compressor | Twin-rotary Compressor | | | |
| Heat exchanger | Titanium | | | |
| Power supply | 220-240V / 1Ph / 50-60Hz | | | |
| Refrigerant | R32 | | | |
| Material | ABS+Galvanized Sheet | | | |
| Rated input power (kW) | 0.17~2.03 | 0.2~2.3 | 0.28~3.2 | 0.30~4.2 |
| Input power at 50% Speed (kW) | 0.7 | 0.8 | 1.2 | 1.3 |
| Rated input current (A) | 0.8~8.8 | 0.9~10.0 | 1.2~14.0 | 1.3~18.2 |
| Maximum input current (A) | 10.6 | 12.0 | 16.7 | 22.0 |
| breaker rated current (A) | 15.0 | 20.5 | 23.5 | 25.0 |
| Power cord (mm ²) | 3×2.5 | 3×2.5 | 3×4.0 | 3×4.0 |
| Sound level at 1m dB(A) | 42.2~52.8 | 42.5~54.0 | 43.8~54.5 | 42.9~56.7 |
| Sound level by 50% speed 1m dB(A) | 45.8 | 45.5 | 47.1 | 48 |
| Sound level at 10m dB(A) | 22.2~31.8 | 22~34.5 | 23.6~34.2 | 21.9~37.6 |
| Advised water flux (m ³ /h) | 4~6 | 6~8 | 7~10 | 10~12 |
| Water connection (mm) | 50 | | | |
| R32 Net weight (g) | 900 | 1100 | 1300 | 1400 |
| Net weight / Gross weight (kg) | 53/67 | 58/72 | 70/86 | 76/92 |
| Net dimension LxWxH (mm) | 900x430x670 | 900x430x670 | 1060x430x780 | 1060x430x780 |
| Packing size LxWxH (mm) | 960x450x700 | 960x450x700 | 1150x450x810 | 1150x450x810 |
| Qty per 20'FT / 40'HQ (sets) | 95/180 | 95/180 | 50/150 | 50/150 |

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.