

GARDEN PAC INVERTER HEATPUMP SPECS

| Model | BPH21D | BPH31D | BPH43D | BPH51D | BPH68D |
|---|----------------|-------------|-------------|-------------|--------------|
| Applied pool volume (m³) | 20~40 | 30~60 | 40~75 | 50~95 | 65~120 |
| Working air temp (°C) | -7~43 | | | | |
| Performance Condition: Air 26°C/ Water 26°C/ Humidity 80% | | | | | |
| Heating capacity (kW) | 9.8 | 13.3 | 17.3 | 21.2 | 27.9 |
| Heating capacity (kW)in silence mode | 7.8 | 10.4 | 13.8 | 16.8 | 21.8 |
| C.O.P | 6.4~15.0 | 6.4~15.0 | 6.3~15.2 | 6.1~15.1 | 6.3~15.3 |
| C.O.P in silence mode | 7.4~15.0 | 7.4~15.0 | 7.3~15.2 | 7.1~15.1 | 7.3~15.3 |
| Performance Condition: Air 15°C/ Water 26°C/ Humidity 70% | | | | | |
| Heating capacity (kW) | 6.5 | 9.4 | 11.4 | 14.5 | 18 |
| Heating capacity (kW) in silence mode | 5.1 | 7.4 | 8.8 | 11.3 | 14.6 |
| C.O.P | 4.4~7.6 | 4.4~7.6 | 4.3~7.8 | 4.3~7.7 | 4.4~7.9 |
| C.O.P in silence mode | 5.1~7.6 | 5.1~7.6 | 5.2~7.8 | 4.8~7.7 | 5.1~7.9 |
| Rated input power (kW) | 1.4~0.2 | 2.1~0.25 | 2.6~0.33 | 3.33~0.44 | 4.0~0.58 |
| Rated input current (A) | 6.4~0.86 | 9.1~1.1 | 10.9~1.4 | 14.5~1.9 | 17.4~2.5 |
| Power supply | 230V/1 Ph/50Hz | | | | |
| Advised water flux (m³/h) | 3~4 | 5~7 | 6.5~8.5 | 8~10 | 10~12 |
| Sound pressure 1m dB(A) | 39.3~48.0 | 42.8~52.1 | 44.2~52.9 | 44.7~53.8 | 48.6~55.5 |
| Sound pressure 10m dB(A) | 19.3~28.0 | 22.8~32.1 | 24.2~32.9 | 24.7~33.8 | 28.6~35.5 |
| Water pipe in-out Spec (mm) | 50 | | | | |
| Net Dimension LxWxH (mm) | 961*312*658 | 961*312*658 | 961*392*658 | 961*392*758 | 1090*420*960 |
| Net Weight (kg) | 45 | 52 | 63 | 68 | 90 |

* The advised pool volume indicated apply under following conditions: Swimming pool covered with insulated cover; System running at least 15 hours per day; Heating season from 15th April to the 15th October. If these conditions are not met, pls kindly ask for the professional advice.

**Above data is subject to modification without notice for technical upgrade.

 Garden[®] PAC
InverTech

IN EXTREME SILENCE

— It's an inverter age



Garden PAC Inverter HP — The most silent HP ever

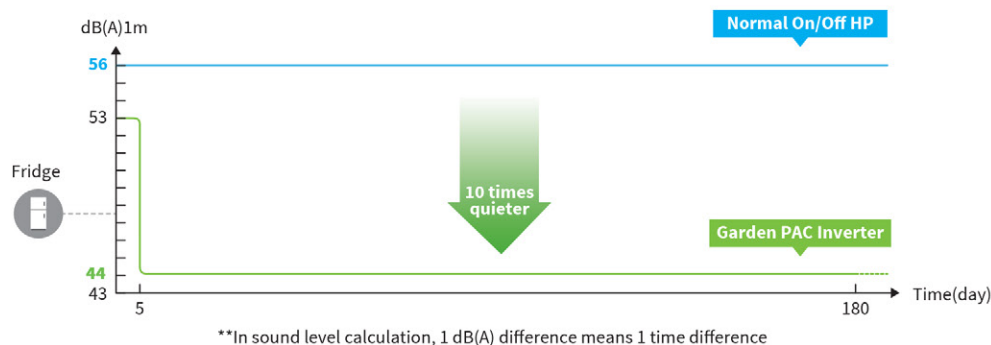
Garden PAC Inverter HP is powered by Full-inverter™ technology, which is 100% unique.

By adjusting the compressor speed hertz by hertz, and the fan speed by revolution. It matched the pool temperature intelligently with continuous & optimal efficiency.

Due to the low-speed-running philosophy, the swimming experience is 10 times quieter for more than 95% of the pool season.



➤ 10 times quieter



| | Day 1~Day 5 | Day 6~Day 180 |
|---------------------------------|-------------|---------------|
| Average Running Speed | 100% | 45% |
| Average Sound Pressure 1m dB(A) | 53 | 44 |

➤ COP 15

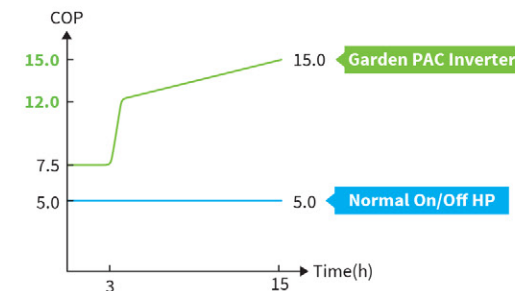
COP means Coefficient of Performance which is simply a ratio of heat output to energy input, both being expressed in kW.

The COP at Air 26°C/ Water 26°C/ Humidity 80%

| Capacity \ Model | BPH21D | BPH31D | BPH43D | BPH51D | BPH68D |
|------------------|--------|--------|--------|--------|--------|
| 25% | 15.0 | 15.0 | 15.2 | 15.1 | 15.3 |
| 100% | 6.4 | 6.4 | 6.3 | 6.1 | 6.3 |

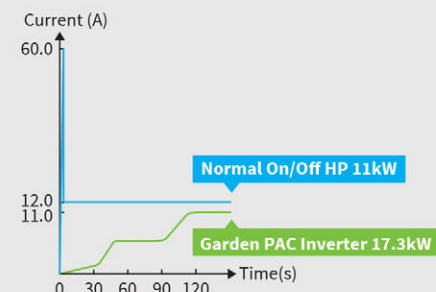
COP in 15 hours' heating per day

COP 12 to COP 15 when maintaining pool temperature



➤ Soft starter

When the HP turns on, the current will start from 0 A and slowly increase to the rated current in 2 minutes. It will not affect the house electricity system. Whereas the start current of a normal On/Off HP is 5 times greater, and therefore can be a burden to the household electricity system.



Other Features

- 1 Powered by Twin-rotary Mitsubishi DC inverter compressor
 - Based on "Twin mechanism" innovative solution, two rotors operate together to balance the torque for anti-shaking, it leads to the highest efficiency, extremely low vibration & quiet operation.
- 2 Adopts DC brushless fan motor
 - Low noise & low power consumption
- 3 Operates at air -7°C below zero
 - Maximize your pool season



Think Silence

When you choose a Garden PAC Inverter HP based on heating capacity in silence mode, it will bring you more benefits:

- Enjoy silence the whole season in silence mode
- 15-20% more energy saving
- Quick heating

| Model | BPH21D | BPH31D | BPH43D | BPH51D | BPH68D |
|--|--------|--------|--------|--------|--------|
| Heating capacity (kW) in silence mode* | 7.8 | 10.4 | 13.8 | 16.8 | 21.8 |
| Advised Pool volume (m³)** | 25 | 35 | 45 | 60 | 70 |

* Performance Condition: Air 26°C/ Water 26°C/ Humidity 80%

** The advised pool volume indicated apply under following conditions: Swimming pool covered with insulated cover; System running at least 15 hours per day; Heating season from 15th April to the 15th October. If these conditions are not met, pls kindly ask for the professional advice.