| Model: NE-F | 50SPR4INVM | 70SPR4INVM | 90SPR4INVM | 110SPR4INVM | 150SPR4INVM | 180SPR4INVM |
|---|---|---|---|---|---|---|
| Performance Condition: Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C. | | | | | | |
| Heating Capacity (kW) | 1.51~5.52 | 1.5~7.21 | 1.8~9.48 | 2.8~11.51 | 3.48~15.3 | 4.34~18.1 |
| Consumed Power (kW) | 0.09~0.82 | 0.09~1.09 | 0.11~1.44 | 0.17~1.74 | 0.22~2.35 | 0.27~2.81 |
| COP | 16.6~6.7 | 16~6.6 | 16.4~6.6 | 16.5~6.6 | 15.9~6.5 | 16.1~6.4 |
| Performance Condition: Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C. | | | | | | |
| Heating Capacity (kW) | 1.11~3.91 | 1.3~5.42 | 1.51~7.89 | 2.2~8.21 | 2.96~11.14 | 3.44~13.35 |
| Consumed Power (kW) | 0.13~0.75 | 0.16~1.06 | 0.18~1.52 | 0.27~1.61 | 0.36~2.19 | 0.41~2.61 |
| COP | 8.4~5.2 | 8.1~5.1 | 8.3~5.2 | 8.1~5.1 | 8.3~5.1 | 8.3~5.1 |
| Max. Power Input (kW) | 1.31 | 1.61 | 1.75 | 2.3 | 3.2 | 3.9 |
| Max. Current (A) | 5.95 | 7.32 | 7.96 | 10.5 | 14.5 | 17.7 |
| Advised Pool Volume ($m^3$) | 10~20 | 15~30 | 20~40 | 25~50 | 30~60 | 35~70 |
| Power Supply | 220-240V~/ 50Hz | | | | | |
| Running Ambient Temperature Range (°C) | -5~40 | | | | | |
| Heating Temperature Range (°C) | 15~40 | | | | | |
| Refrigerant | R32 | | | | | |
| Water Pipe Connection (mm) | 50/48.3 | | | | | |
| Sound Pressure 1m dB (A) | 30~43 | 32~45 | 33~47 | 33~47 | 34~48 | 34~48 |
| Water Flow Volume ($m^3$/h) | 2.4 | 3.1 | 4.1 | 4.9 | 6.6 | 7.7 |
| Water Pressure Drop (kPa) | 15 | 17 | 18 | 15 | 18 | 23 |
| Water Proof Level | IPX4 | | | | | |
| Net Dimensions(L*W*H) (mm) | 910×355×620 | | | 1000×400×660 | | |

Notice:
More plastic and galvanized steel appearances are available.
The above data is for reference only. The specific data is subject to actual product.

| Model: NE-F | 210SPR4INVM | 210SPR4TINVM | 250SPR4INVM | 250SPR4TINVM | 280SPR4TINVM |
|---|---|---|---|---|---|
| Performance Condition: Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C. | | | | | |
| Heating Capacity (kW) | 4.72~21.21 | 4.72~21.21 | 5.05~25.28 | 5.05~25.28 | 5.4~28.06 |
| Consumed Power (kW) | 0.29~3.26 | 0.29~3.26 | 0.31~3.89 | 0.31~3.89 | 0.33~4.32 |
| COP | 16.2~6.5 | 16.2~6.5 | 16.2~6.5 | 16.2~6.5 | 16.3~6.51 |
| Performance Condition: Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C. | | | | | |
| Heating Capacity (kW) | 3.51- 14.21 | 3.51~14.21 | 3.81 - 17.08 | 3.81~17.08 | 4.04~18.49 |
| Consumed Power (kW) | 0.43- 2.78 | 0.43~2.78 | 0.48- 3.35 | 0.48~3.35 | 0.49~3.56 |
| COP | 8.1~5.1 | 8.1~5.1 | 8~5.1 | 8~5.1 | 8.2~5.2 |
| Max. Power Input (kW) | 4.1 | 4.1 | 4.5 | 4.5 | 5.4 |
| Max. Current (A) | 18.8 | 7.3 | 19.5 | 8.5 | 10.2 |
| Advised Pool Volume ($m^3$) | 45~80 | 45~80 | 55~90 | 55~90 | 65~100 |
| Power Supply | 220-240V~/ 50Hz | 380-415V/3N~/50Hz | 220-240V~/ 50Hz | 380-415V/3N~/50Hz | 380-415V/3N~/50Hz |
| Running Ambient Temperature Range (°C) | -10~43 | | | | |
| Heating Temperature Range (°C) | 15~40 | | | | |
| Refrigerant | R32 | | | | |
| Water Pipe Connection (mm) | 50 | | | | |
| Sound Pressure 1m dB (A) | 35~50 | 35~50 | 35~52 | 35~52 | 36~52 |
| Water Flow Volume ($m^3$/h) | 9.1 | 9.1 | 10.8 | 10.8 | 12 |
| Water Pressure Drop (kPa) | 32 | 32 | 35 | 35 | 38 |
| Water Proof Level | IPX4 | | | | |
| Net Dimensions(L*W*H) (mm) | 1130×455×760 | | | | |

Notice:
More plastic and galvanized steel appearances are available.
The above data is for reference only. The specific data is subject to actual product.


Official Website

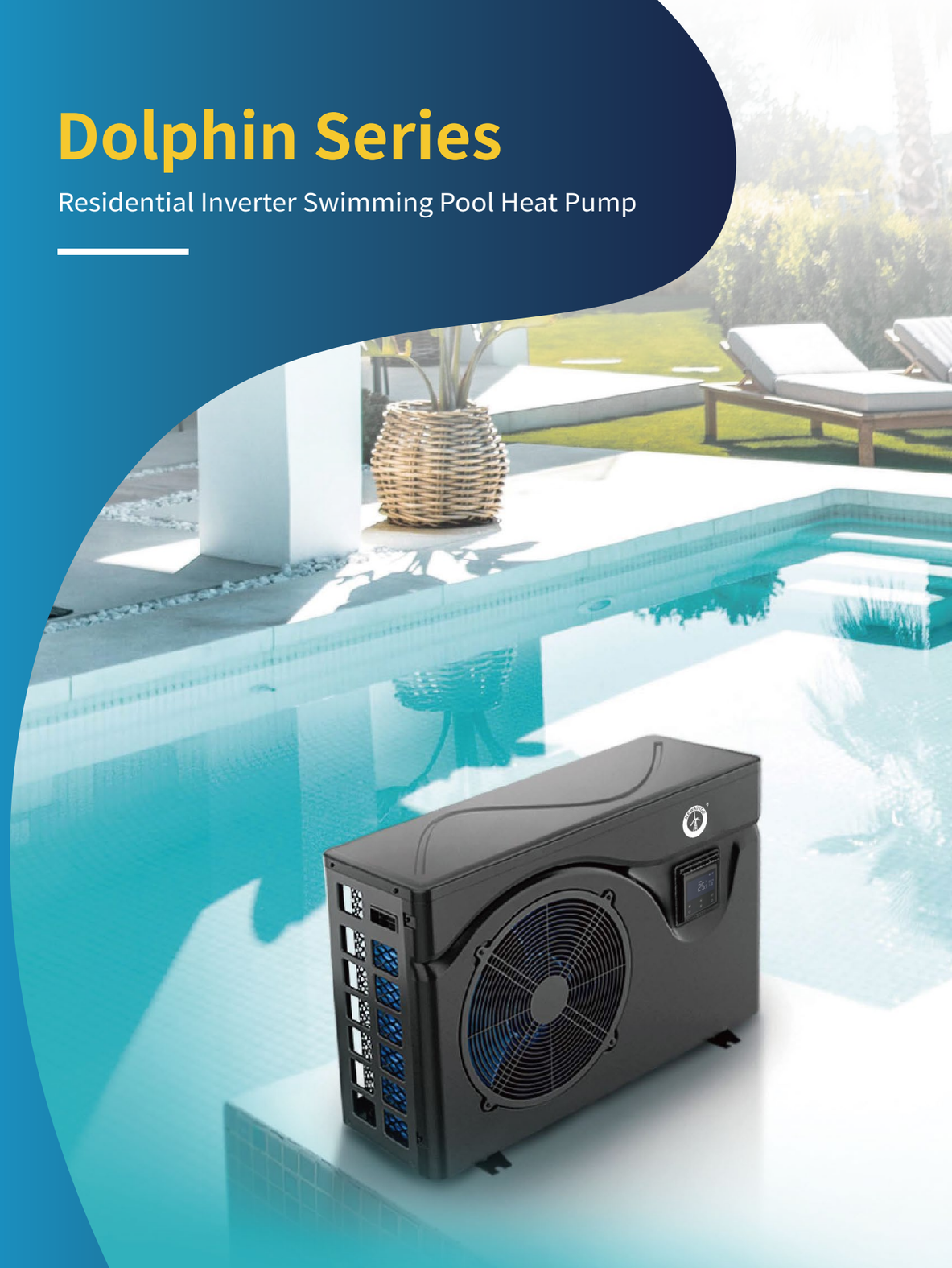
**GUANGDONG NEW ENERGY TECHNOLOGY DEVELOPMENT CO.，LTD.**

NO.125, Chuangyou Road, Xintang Town, Zengcheng, Guangzhou, Guangdong, P.R.China

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# Dolphin Series

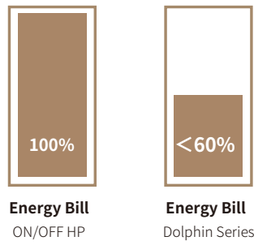
## Residential Inverter Swimming Pool Heat Pump



## High Efficiency

Thanks to its full DC inverter technology, DC compressor & DC fan motor, Dolphin Series is with much higher efficiency than the ON/OFF heat pumps, which contributes to saving more energy bill for you.



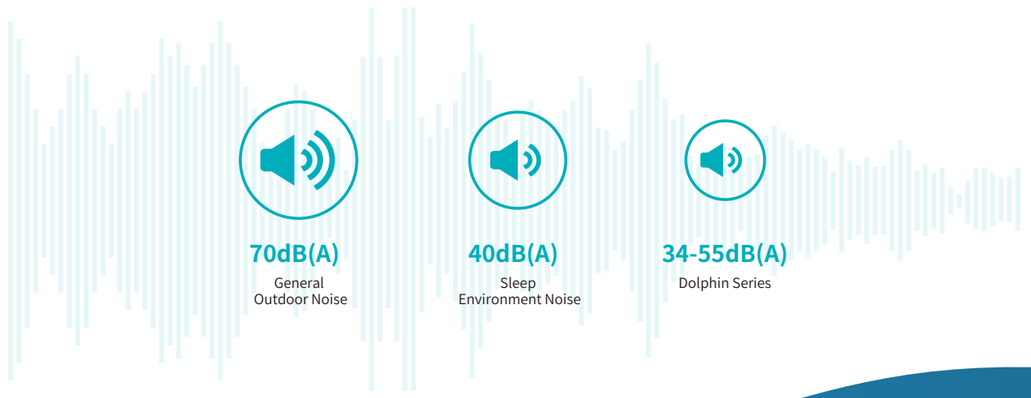




**Energy Bill**
ON/OFF HP

**Energy Bill**
Dolphin Series

## Quiet Operation

With DC inverter compressor, compressor damping design, and sound-absorbing cotton, NEWNTIDE Dolphin Series can run amazingly quietly as low as 34dB(A).

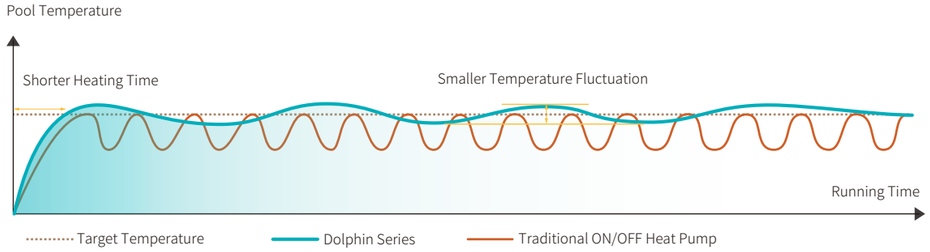


**70dB(A)**
General
Outdoor Noise

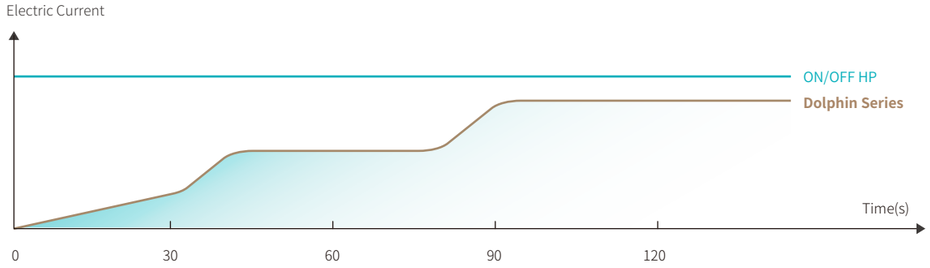
**40dB(A)**
Sleep
Environment Noise

**34-55dB(A)**
Dolphin Series

## Constant Water Temperature




## Soft Start




Dolphin Series achieves completely soft switching at the start-up stage from an intensity of 0A to 28A(at maximum), while the traditional ON/OFF heat pumps start in a current intensity over three times higher, which will greatly impact the family electricity system.



