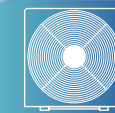


Ocean Seaweed Series



# Inverter Mini Swimming Pool Heat Pump

**Mancent**<sup>®</sup>  
"Heal the planet"



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NANCENT ECO-ENERGY SOLUTION CO., LTD.  
No. 2, Shengkai Road, Huangpu Town, Zhongshan, Guangdong, P.R. China  
✉ info@nacent.com ☎ +86-760-22505095 🌐 www.nacent.com

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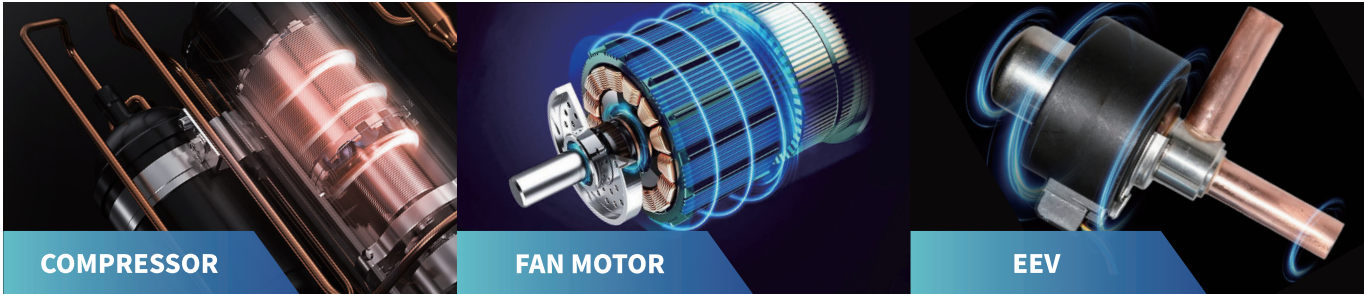
•Swimming Pool Heating/Cooling •Spa Heating/Cooling •Ice Bath Cooling •Aquacultural Cooling





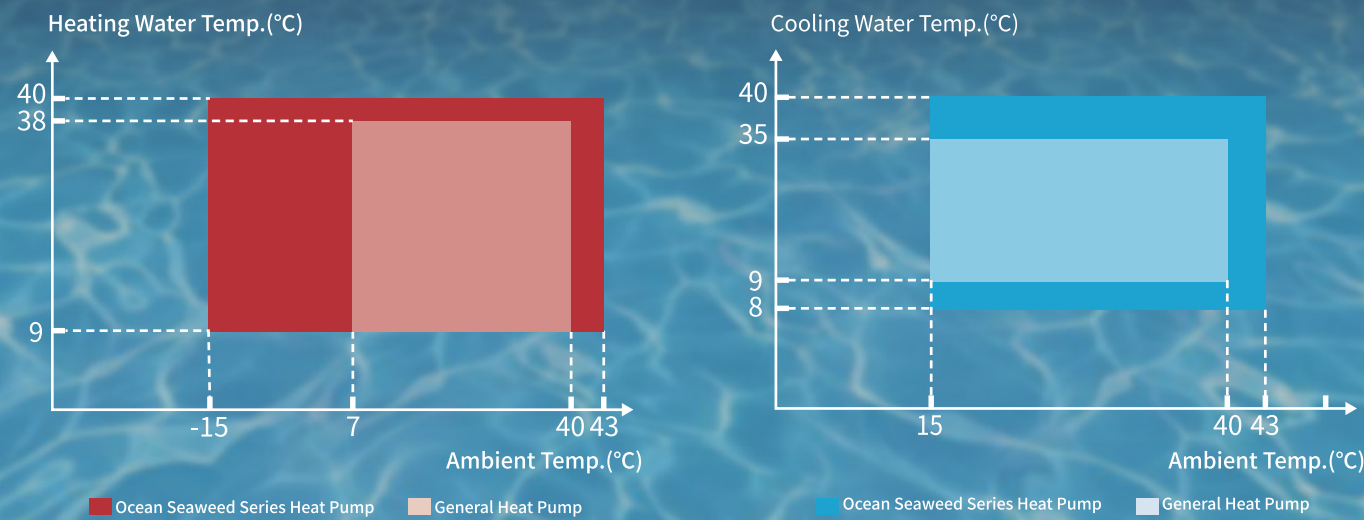
# 6 TIMES ENERGY-SAVING

Thanks to Nancent unique 3D full inverter technology, the status of compressor, fan motor and electronic expansion valve can always be kept at the most suitable level. Thus, OCEAN SEAWEED SERIERS can reach a maximum COP up to 13.0 and an average COP up to 6.0, which means it can achieve more than 6 times energy-saving compared to electric heater.



# 4-SEASON RUNNING

Compared with common ON/OFF mini pool heat pump, OCEAN SEAWEED SERIERS inverter mini pool heat pump can work in a wider range of ambient temperature (-10°C~43°C), users can not only have a good swimming experience in summer but also enjoy a hot spa in the cold winter.



# MULTIPLE APPLICATION SCENARIOS

OCEAN SEAWEED SERIERS inverter mini pool heat pump can fit with different scenarios such as swimming pool heating/cooling, spa heating/cooling, ice bath cooling and aquacultural cooling.





# 4-FOLD EXTREME SILENCE

## ⚡ 3D Full Inverter Technology

Thanks to the Nancent 3D full inverter technology, the heat pump can adjust the status of the compressor, fan motor and electronic expansion valve to achieve the most quiet running at different conditions.

## 📏 Soundproof Layer of Compressor Chamber

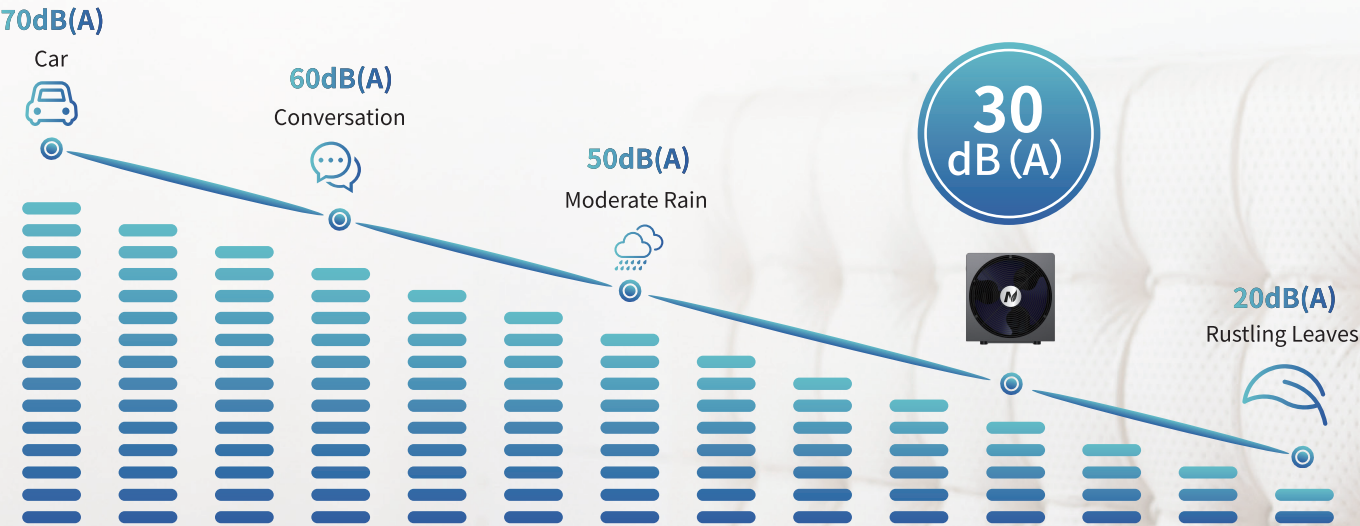
With full cover of sound reduction sponge inside the compressor chamber, the compressor noise will be further reduced.

## 🔊 Copper Pipe Noise Reducing

After tens of thousands of simulations, the system structure was optimized many times, such as the direction and distance of the copper pipes, to achieve the best copper pipe layout and reduce vibration and noise.

## 🌙 Silent Mode

One-touch silent mode ensures you can always have an ultra-quiet environment.



# ADVANTAGES

### Friendly-Use Button Controller

With only 4 buttons, the controller can be very easily operated by the users.

### Comprehensive Protection

With water flow protection, refrigerant pressure protection, refrigerant temperature protection and water temperature protection, OCEAN SEAWEED SERIES can run safely and stably.

### Soft Start

When the heat pump is powered on, the current starts from 0A and slowly increases to the rated current, which will not affect the house's electrical system.

### Plug & Play

The device is equipped with a power plug, which is very convenient for users to use.

### Smart APP Control

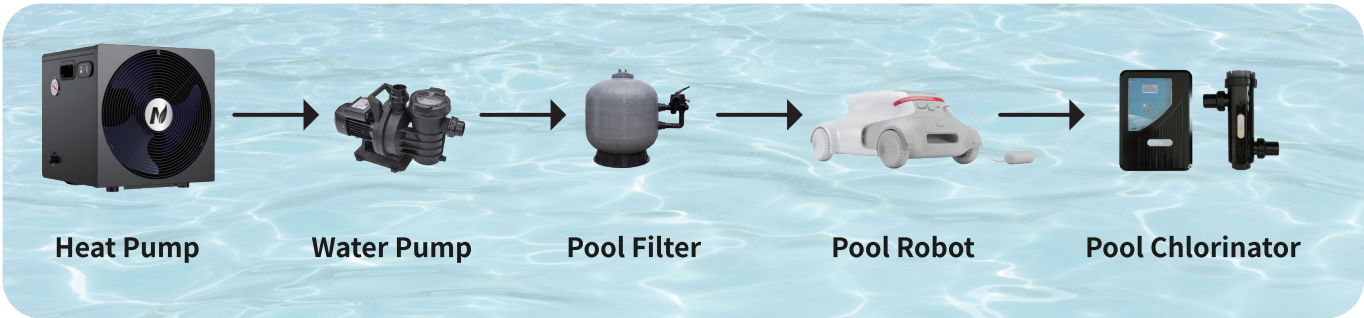
Controlled by smart APP, your device is always at your hand no matter where you are.



ONE-STOP SOLUTION

One-Stop Solution for Above-Ground Pool System

Not just pool heat pump, we are providing one-stop solution including above-ground pool, water pump, pool filter, pool cleaner, pool chlorinator and pool valves, etc.



EXTRAORDINARY CUSTOMIZED SERVICE

Product Apperance

①Wood Grain Print



②Stone Grain Print



Product Package

①Brown Carton



②Three Color Printing Carton



③Colorful Carton



Multiple Languages

① English



② French



③ Español



④ German



⑤ Polish



Sticker Material

①PVC



②Nickel



③Aluminum



Manual Material

①Black and White Painting with Normal Paper



②Colorful Painting with Normal Paper



③Corlorful Painting with Art Paper



Model:NF-	30PR3-ID-M	40PR3-ID-M	50PR3-ID-M
Heating temperatuer range(°C)	9~40	9~40	9~40
Cooling temperatuer range(°C)	8~28	8~28	8~28
Operating range(°C)	-10~43	-10~43	-10~43
Heating Capacity: Ambient 27°C, Inlet/Outlet: 26/28°C, Humidity 80%			
Heating Capacity (kW)	1.30~3.50	1.60~4.20	1.90~5.00
Power Input (kW)	0.102~0.625	0.125~0.750	0.146~0.833
COP	12.7~5.6	12.8~5.6	13.0~6.0
Heating Capacity: Ambient 15°C, Inlet/Outlet: 26/28°C, Humidity 70%			
Heating Capacity (kW)	0.80~2.40	1.10~3.00	1.40~3.60
Power Input (kW)	0.114~0.571	0.157~0.714	0.194~0.818
COP	7.0~4.2	7.0~4.2	7.2~4.4
Heating Capacity: Ambient 5°C, Inlet/Outlet: 26/28°C, Humidity 70%			
Heating Capacity (kW)	1.70	2.11	2.54
Power Input (kW)	0.486	0.603	0.706
COP	3.5	3.5	3.6
Heating Capacity: Ambient 0°C, Inlet/Outlet: 26/28°C, Humidity 70%			
Heating Capacity (kW)	1.40	1.85	2.36
Power Input (kW)	0.438	0.578	0.715
COP	3.2	3.2	3.3
Heating Capacity: Ambient -10°C, Inlet/Outlet: 26/28°C, Humidity 70%			
Heating Capacity (kW)	1.06	1.41	1.80
Power Input (kW)	0.505	0.641	0.720
COP	2.1	2.2	2.5
Cooling Capacity: Ambient 35°C, Inlet/Outlet: 27/-°C			
Cooling Capacity (kW)	0.70~2.00	1.00~2.50	1.50~3.00
Power Input (kW)	0.140~0.667	0.200~0.833	0.300~1.000
EER	5.0~3.0	5.0~3.0	5.0~3.0
General Informations			
Max Power Input (kW)	1.0	1.2	1.5
Max Current (A)	4.5	5.4	6.8
Advised Pool Size (m³)	5~10	8~15	10~20
Controller	LED Controller		
Wi-Fi Function	Yes		
Power Supply	220~240V~/50Hz		
Refrigerant	R32		
Compressor Brand/Type	GMCC / Rotary		
Manometer	Yes		
Gas Control	EEV		
Heat Exchanger	Titanium Heat Exchanger		
Water Pipe Connection (mm)	φ32 or φ38	φ32 or φ38	φ32 or φ38
Water Flow (m³/h)	1.5	2	2.5
Sound Pressure Level at 1m [dB(A)]	<46	<47	<48
Sound Pressure Level at 10m [dB(A)]	<30	<31	<32
Net Weight (kg)	21	22	24
Gross Weight (kg)	23	24	26
Net Dimensions(L×W×H)(mm)	420×300×430	420×300×430	470×300×430
Water Pressure Drop (kPa)	10	11	12
Water Proof Level	IPX4	IPX4	IPX4

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