

Parameter

PHNXX



Model	030-U-BP8	040-U-BP8	050-U-BP8	050S-U-BP8	060-U-BP8	060S-U-BP8	070-U-BP8	070S-U-BP8	080S-U-BP8
Advised pool volume(m³)	25-55	35-70	40-80	40-80	45-95	45-95	55-115	55-115	65-130
Operating Air Temperature(°C)	-7~43°C								
Refrigerant	R32								
Performance (Heating) Air 27°C/Water 26°C/Humid. 80%									
Heating Capacity(kW)	2.52-10.8	3.51-15.39	4.41-18.9	4.59-19.44	5.31-22.14	5.22-21.96	6.03-25.74	6.3-26.55	7.38-31.23
Consumed power (kW)	0.16-1.65	0.21-2.46	0.27-2.93	0.28-3.01	0.33-3.27	0.32-3.24	0.37~3.95	0.39~4.08	0.45~5.09
COP	16.02-6.55	16.33-6.25	16.16-6.45	16.16-6.45	16.12-6.77	16.08-6.77	16.11~6.51	16.11~6.51	16.3~6.14
Performance (Heating) Air 15°C/Water 26°C/Humid. 70%									
Heating Capacity(kW)	1.98-8.73	2.61-10.98	3.42-14.58	3.51-14.67	4.32-16.56	4.05-17.1	4.95-21.06	5.22-22.14	5.85-24.93
Consumed power (kW)	0.26-1.87	0.34-2.4	0.46-3.27	0.47-3.29	0.56-3.47	0.52-3.58	0.63-4.27	0.67~4.49	0.83~4.57
COP	7.58-4.67	7.78-4.57	7.45-4.46	7.45-4.46	7.78-4.77	7.82~4.93	4.28~6.67	7.82~4.93	7.03~4.57
Power Supply	220-240V~/1Ph		380-400V~/3Ph	220-240V~/1Ph	380-400V~/3Ph	220-240V~/1Ph	380-400V~/3Ph		
Fan Quantity	1								
Fan Speed (RPM)	600-750			700-800					
Sound Pressure 1m dB(A)	46-54	46-56	48-58	48-58	50-60	50-60	53-62	53-62	55-65
Water Connection (mm)	50								
Water Flow Volume (m3/h)	6.0	7.5	9.0	9.0	9.8	9.8	12.0	12.0	14.6
Water Pressure Drop(max.) kPa	6.7	8.5	16	16	16	16	23	23	23
Net Dimensions(L/W/H) (mm)	600*600*925		690*690*1090				750*750*1200		



i-ForceLine-Mix Inverter Swimming Pool Heat Pump

The PHNXX full inverter swimming pool heat pump i-ForceLine-Mix has been carefully conceived and designed to be modern in appearance, efficient during operation and smart in controlling.



Heating & Cooling



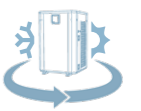
Intelligent Defrosting

COP_t

COP Up To 16



Flexible Installation



Low Temperature Operation

GUANGDONG PHNXX ECO-ENERGY SOLUTION LTD.

TEL: +86-4009-4009-00

FAX: +86-20-39067770

E-mail: phnixen@phnix-e.com

Website: www.phnix-e.com



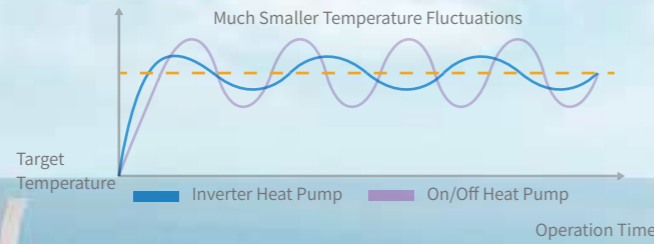
WEB



LinkedIn

V202109SP01

Mature Full Inverter Technology



The application of an improved compressor and inverter technology synergies is a crucial element for the unit to be a top performer which can raise the energy efficiency and provide homeowners with greater cost-savings. With full inverter technology, the COP of i-ExpertLine Mix is up to 16.0. Under ambient condition of -7°C to 43°C, the unit can run efficiently for both heating and cooling.

Flexible Installation

With innovative vertical exhaust design, i-ForceLine-Mix can be installed elegantly with any pool in tight space, which can be very flexible and easily blend with the users' pool designs.



Colorful Touch Screen Display

The controller of the PHNIX i-Force Line-Mix inverter pool heat pump is equipped with a 3.5 inch color touch display, which allows real-time temperature curve for extending a clear overview of the unit's running condition. Furthermore, the clear interface is very user friendly and eye-catching in design.



3.5 Inch Display

Soft Starting

PHNIX i-ForceLine-Mix achieves a completely soft switch over from 0A to 28A (max) intensity during the start-up phase, whereas a normal ON/OFF heat pump starts with more than three times higher current intensity, which will have a strong impact on the household electricity system.



Low Temperature Operation

Working with high efficiency and stability, PHNIX i-ForceLine-Mix supports large operation ambient range from -7°C to 43°C, which enables the users to enjoy four-season swimming fun without disturbed by climate change.

Screw-free ABS Material/Sheet Metal Cabinet

To adapt to different environment, the unit is available in two different types of material: ABS and sheet metal. With the highlights of strong corrosion-resistant, the ABS cabinet is an ideal option for seaside citizens and area with moist, rainy climate. While the sheet metal material cabinet boasts outstanding and complicated design which makes it very attractive in appearance.



Main Components



■ DC Variable Speed Fan Motor

The DC variable speed fan motor allows optimum efficiency and low noise operation for the heat pump, which is beneficial to lower running cost as well as silent running for users.



■ Inverter DC Mitsubishi Compressor

The adoption of Inverter DC Mitsubishi Compressor makes a great difference compared with other inverter units in the current market. It enables the unit to adjust its frequency according to the requirements, boosting the unit to reach a COP as high as 16.



■ Integrated Driver Board

i-ForceLine-Mix adopts a new driver board which comes with a mature integration solution and a wire controller to make inverter technology more stable and reliable.



■ Spiral Titanium Tube

PHNIX's unique 9.52 mm twisted titanium coils enlarges the surface for heat transferring, maximizing the heat transfer surfaces in the coils with a 30% increase in efficiency compared with standard heat exchangers.

Smart App Remote Control

With a Wi-Fi and 4G connection, you can take full control of your swimming pool heat pump on your smartphone via an app. The app can be found in the App Store and Google Play.



■ 4G Control



■ WiFi Control

