

Parameter

PHNXX

i-ForceLine Max

Inverter Swimming Pool Heat Pump

PASRW	050-U-BP	050S-U-BP	060-U-BP	060S-U-BP	070-U-BP	070S-U-BP	080-U-BP	080S-U-BP
Advised Pool Volume(m³)	42-84	42-84	50-100	50-100	58-116	60-120	68-136	68-136
Operating Air Temperature(°C)	-15~43							
Performance Condition: Air 27°C/Water 26°C/Humidity 80%								
Operating Power(kW)	4.9~21.0	5.1~21.6	5.9~24.6	5.8~24.4	6.7~28.6	7.0~29.5	8.0~34.0	8.2~34.7
Operating Power(Btu/h)	16660~71400	17340~73440	20060~83460	19720~82960	22780~97240	23800~100300	27200~115600	27880~117980
Consumed Power(kW)	0.43~4.08	0.43~4.29	0.47~4.94	0.47~4.65	0.53~5.4	0.55~5.6	0.64~6.6	0.66~6.9
COP	5.15~11.4	5.03~11.86	4.98~12.55	5.25~12.34	5.3~12.64	5.27~12.7	5.15~12.5	5.03~12.42
Performance Condition: Air 15°C/Water 26°C/Humidity 70%								
Operating Power(kW)	3.8~16.2	3.9~16.3	4.8~18.4	4.5~19.0	5.50~23.40	5.8~24.6	6.6~27.8	6.5~27.7
Operating Power(Btu/h)	12920~55080	13090~55420	16252~62560	15198~64600	18700~79560	19652~83640	22440~94520	22100~94180
Consumed Power(kW)	0.57~3.86	0.59~3.82	0.73~4.64	0.68~4.39	0.82~5.40	0.99~4.53	0.99~6.5	0.97~6.46
COP	4.2~6.67	4.27~6.53	3.96~6.55	4.33~6.57	4.33~6.71	4.53~5.84	4.28~6.67	4.29~6.7
Performance Condition: Air 10°C/Water 26°C/Humidity 64%								
Operating Power(kW)	3.44~14.1	3.5~14.0	4.3~18.2	4.0~17.0	4.9~20.9	4.9~20.9	5.9~24.8	6.1~25.9
Operating Power(Btu/h)	11696~47940	11798~47600	14552~61880	13600~57800	16660~71060	16660~71060	20060~84320	20740~88060
Consumed Power(kW)	0.62~3.52	0.62~3.59	0.74~4.35	0.70~4.10	0.86~5.05	0.84~4.93	1.05~6.1	1.07~6.32
COP	4.01~5.55	3.90~5.60	4.18~5.78	4.15~5.71	4.14~5.70	4.24~5.83	4.07~5.62	4.1~5.7
Power Supply	230V/1Ph/50Hz	400V/3Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz
Casing Type	ABS							
Fan Quantity	1							
Fan Power Input (W)	150	150	150	150	200	200	200	200
Fan Speed (RPM)	500-750	500-750	600-800	600-800	600-800	600-800	500-800	500-800
Sound Pressure 1m dB(A)	48-58	48-58	48-58	48-58	49-60	49-60	50-61	50-61
Silence Mode 1m dB(A)	48	48	50	50	53	53	55	55
Sound Pressure 10m dB(A)	28-38	28-38	30-40	30-40	33-43	33-43	35-45	35-45
Silence Mode 10m dB(A)	28	28	30	30	33	33	35	35
Water Connection (mm)	50							
Water Flow Volume (m³/h)	6.8	7.1	8.3	8.1	9.5	9.8	11.2	11.5
Water Pressure Drop(max.) kPa		4	11	11	16	16	20	20
Net Dimensions(L/W/H) (mm)	770x990x970				920x960x1025			
Shipping Dimensions(L/W/H) (mm)	820×1040×1000				970×1010×1075			



The data above is only for reference. For model specifications, please refer to the nameplate on the unit.



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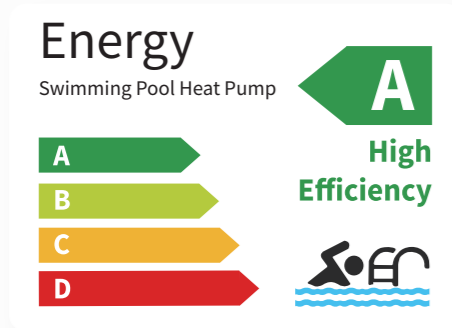
COP up to **20.04**
at Air 27°C/ Water 26°C/ Humidity 80%

Full DC Inverter Technology

PHNIX full DC inverter technology enables the heat pump to adjust its strength from 10% to 90% according to the requirements. With this technology, PHNIX i-ForceLine Max can reach a COP as high as 20.04 at Air 27°C/ Water 26°C/ Humidity 80%, which is certified under TUV Rheinland.

As on the basis of Europe norm EN14511-3(FPP Classification), PHNIX Turbo Series is certified to class A energy level:

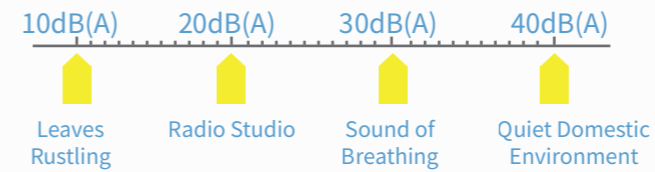
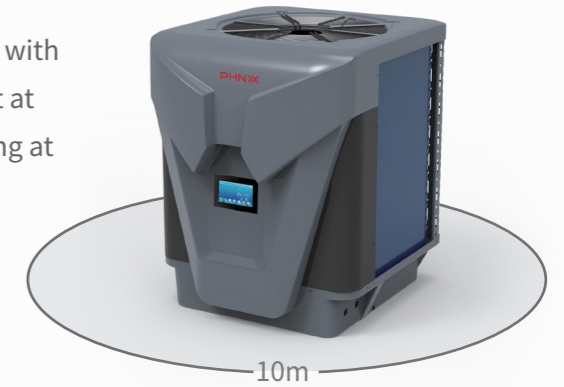
- Classe A : COP \geq 5
- Classe B : $4.5 \leq$ COP < 5
- Classe C : $3.5 \leq$ COP < 4.5
- Classe D : COP < 3.5



COP 20.04

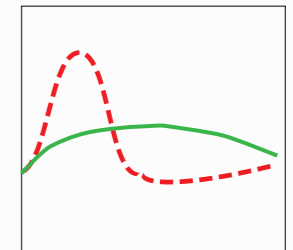
28dB(A) Low Noise at 10m Distance

PHNIX i-ForceLine Max Pool Heat Pump is specially designed with a silence mode to create a comfortable living environment at night for users. Under silence mode, the heat pump is running at 28dB(A) low noise.



Soft Starter

PHNIX i-ForceLine Max achieves completely soft switching at the startup stage from an intensity of 0A to 28A (at maximum), while the normal ON/OFF heat pumps start in a current intensity over 3 times higher, which will greatly impact the family electricity system.



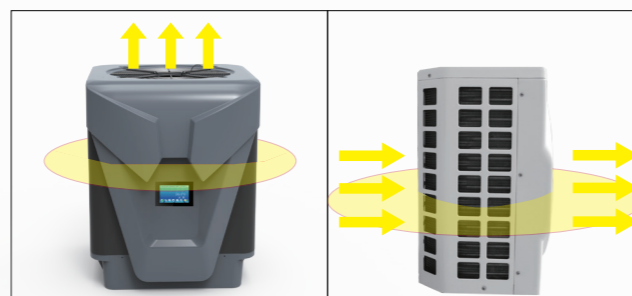
Smart App Remote Control

On a business trip or a holiday travel? Set and check your pool temperature via the app in your smart phone. The pool temperature is just at your fingertips.



Less Installation Space

With the innovative vertical exhaust design, PHNIX i-ForceLine Max can be installed next to any pool in tight space.



Sliding Defrost Technology

PHNIX heat pump maintains high energy-efficient heating even in -15°C cold regions. Under low temperature condition, heat pumps should have an extremely strong defrosting capability. PHNIX sliding defrosting is a patented technology in China. With this technology, PHNIX i-ForceLine Max intelligently conducts defrosting basing on both temperature and pressure of the heat pump system as well as external environment, ensuring the stable and energy saving running in cold environment.

