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POWER WORLD
Air to water heat pump
11 | 2024



Swimming Pool

Heat Pump Solutions

For SPA, hot tubs, small pools, private residences and commercial pools

All-Season

☀ Heating ❄ Cooling

Pool size 5m~500m



R290 Zero Carbon Refrigerant

R32 Eco Refrigerant

Full DC Inverter Control

Ambient Temp -20°C~43°C

POWER WORLD MACHINERY EQUIPMENT CO., LTD.



Headquarters Add.:

No.24, Fourth Industrial Zone, Houting Street, Shajing Town, Baoan District, Shenzhen, China.



Dongguan Production Base.:

No.32, Luxi 2nd Road, Liaobu Town, Dongguan, Guangdong, China.



Huizhou Production Base.:

No. 1, Zhenxing South 1st Road, Zhihuigu Industrial Park, Shiwan Town, Boluo County, Guangdong Province,China



Website: www.powerworldhp.com



E-mail: info@powerworldhp.com



After-sales: technical@powerworld-e.com

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Constant Temperature Swimming Pool Heating Solutions

Swim Longer and Save More: Enjoy Up to 75% Savings on Your Electricity Bill with Our Efficient Pool Heat Pumps!

R410A COMMERICAL
SERIES

FOR POOL 40~500m³

R32 Mini SPA Heat Pump
SERIES

FOR POOL 5~25m³
DC INVERTER
OR ON/OFF

R32 DC Inverter Ultra
SERIES

FOR POOL 25~120m³

R290 DC INVERTER ULTRA QUIET
SERIES

FOR POOL 25~130m³

R32 DC Inverter Quiet Pro
SERIES

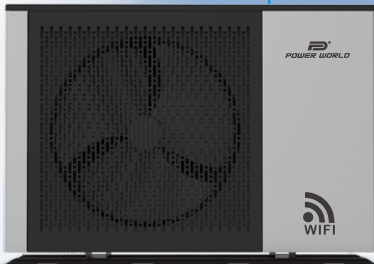
FOR POOL 15~120m³

R32 DC Inverter Quiet
SERIES

FOR POOL 25~130m³

R32 DC Inverter Smart
SERIES

FOR POOL 25~130m³



R 3 2 S E R I E S QUIET PRO

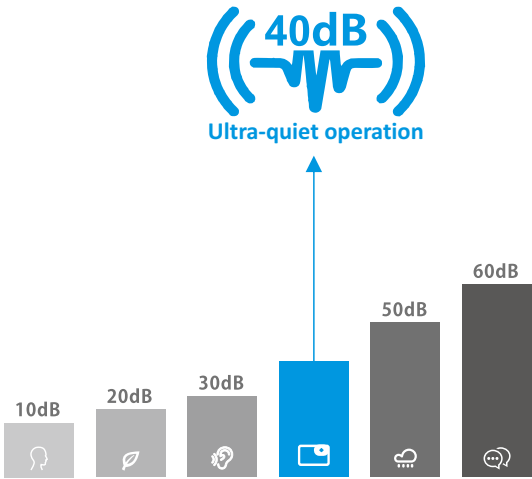
DC Inverter

R32 DC Inverter Quiet Pro Series

The epitome of modern minimalist aesthetics, silent operation and optimal energy efficiency, it is meticulously designed for high-end residential heated swimming pools of 15~130m³.

Features

- Corrosion-resistant ABS plastic casing
- Front-facing airflow design Higher heat exchange efficiency
Better heat dissipation
- Multiple noise reduction designs, with noise levels as low as 40dB(A) for virtually silent operation.



40dB

Heating & Cooling

Cloud Platform

16.0
COP

Wide Working Range
-7°C ~ 43°C

Intelligent Defrost

Wi-Fi

R32 DC Inverter Quiet Pro Series

Model	PW010 -KZXYC-H2	PW015 -KZXYC-H2	PW020 -KZXYC-H2	PW030 -KZXYC-H2	PW040 -KZXYC-H2	PW050 -KZXYC-H2	PW060 -KZXYC-H2
Advised pool volume (m3) ①	15~30	20~40	25~50	30~60	40~75	55~100	55~100
Operating air temperature (°C)	-7~43°C						
Performance Condition: Air 27°C, Water 26°C, Humidity 80%							
Heating capacity (kW)	7.50~2.08	9.50~2.24	11.00~2.72	14.00~3.36	17.00~4.00	20.00~4.32	24.00~5.12
Heating capacity (Btu)	25500~7072	32300~7616	37400~9248	47600~11424	57800~13600	68000~14688	81600~17408
Consumed power (kW)	1.15~0.13	1.46~0.14	1.83~0.17	2.15~0.21	2.62~0.25	3.33~0.27	4.00~0.32
COP	6.5~16.0	6.5~16.0	6.0~16.0	6.5~16.0	6.5~16.0	6.0~16.0	6.0~16.0
COP at 50% capacity	10.5	11	11	10.5	11	11	11
Performance Condition: Air 15°C, Water 26°C, Humidity 70%							
Heating capacity (kW)	5.80~1.60	7.2~1.68	8.5~1.84	10.7~2.72	13.0~2.88	15.6~3.20	18.7~3.92
Heating capacity (Btu)	19720~5440	24480~5712	28900~6256	36380~9248	44200~9792	53040~10880	63580~13328
Consumed power (kW)	1.15~0.20	1.43~0.21	1.77~0.23	2.12~0.34	2.58~0.36	3.25~0.40	3.89~0.49
COP	5.0~8.0	5.0~8.0	4.8~8.0	5.0~8.0	5.0~8.0	4.8~8.0	4.8~8.0
COP at 50% capacity	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%							
Cooling capacity (kW)	4	5.2	6	7.2	8.6	10.1	11.8
Sound pressure at 1m dB(A)	38~48	38~48	40~50	42~51	43~52	43~53	44~54
Sound pressure of 50% capacity at 1m dB(A)	40	40	41	43	44	44	45
Sound pressure at 10m dB(A)	18~25	18~25	19~26	22~27	23~30	24~31	25~32
Heat exchanger	Spiral titanium tube in PVC shell						
Casing	ABS plastic casing black color						
Refrigerant	R32						
Power supply	220V~230V/1 Ph/50Hz~60Hz						
Water connection (mm)	Φ50						
Compressor	Panasonic						
Rated input current at air 15°C (A)	5.1~0.9	6.3~0.9	7.8~1.0	9.3~1.5	11.3~1.6	14.3~1.8	17.8~2.3
Advised water flux (m³/h)	2~4	2~4	3~5	4~6	6~9	8~10	9~12
Water pressure drop (max) KPa	5	5	8	10	12	15	15
Net weight / Gross weight (kg)	56/68	56/68	58/70	64/76	72/86	72/86	80/94
Product size (mm)	1000X396X640				1125X416X765		
Operating water temperature(°C) Heating	9~40°C						
Operating water temperature(°C) Cooling	9~35°C						

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 DC Inverter Quiet Pro Series

MODEL	PW070 -KZXYC-H2	PW080 -KZXYC-H2	PW060 -KZXYC-H2	PW080 -KZXYC-H2
Advised pool volume (m3) ①	60~120	70~130	60~110	70~130
Operating air temperature (°C)	-7~43°C			
Performance Condition: Air 27°C, Water 26°C, Humidity 80%				
Heating capacity (kW)	28.0~5.92	32.5~6.88	24.00~5.12	32.5~6.88
Heating capacity (Btu)	95500~20128	110900~23392	81600~17408	110900~23392
Consumed power (kW)	4.75~0.37	5.42~0.43	4.00~0.32	5.42~0.43
COP	6.0~16.0	6.0~16.0	6.0~16.0	6.0~16.0
COP at 50% capacity	11	11	11	11
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity (kW)	21.8~4.96	25.4~5.76	18.7~3.92	25.4~5.76
Heating capacity (Btu)	74380~16864	86665~19584	63580~13328	86665~19584
Consumed power (kW)	4.54~0.62	5.29~0.72	3.89~0.49	5.29~0.72
COP	4.8~7.0	4.8~7.0	4.8~7.0	4.8~7.0
COP at 50% capacity	6.5	6.5	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%				
Cooling capacity (kW)	13.8	15.6	11.8	15.6
Sound pressure at 1m dB(A)	45~56	45~57	44~54	45~57
Sound pressure of 50% capacity at 1m dB(A)	48	49	45	49
Sound pressure at 10m dB(A)	26~34	26~35	25~32	26~35
Heat exchanger	Spiral titanium tube in PVC shell			
Casing	ABS plastic casing black color			
Refrigerant	R32			
Power supply	220V~230V/1 Ph/50Hz~60Hz		380V/3 Ph/50Hz/60Hz	
Water connection (mm)	Φ50			
Compressor	Panasonic			
Rated input current at air 15°C (A)	20.8~2.8	24.2~3.3	6.9~0.9	9.4~1.3
Advised water flux (m³/h)	10~14	12~16	9~12	12~16
Water pressure drop (max) KPa	20	25	15	25
Net weight / Gross weight (kg)	90/105	93/108	80/94	93/108
Product size (mm)	1156X433X905		1125X416X765	1156X433X905
Operating water temperature(°C) Heating	9~40°C			
Operating water temperature(°C) Cooling	9~35°C			

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

GLOBAL INSTALLATION CASES



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