

 **ATTENTION:** This manual includes all the necessary information about the use and the installation of your heat pump.

The installer must read the manual and attentively follow the instructions of implementation and maintenance.

The installer is responsible for the installation of the product and should follow all the instructions of the manufacturer and the regulations in application. Incorrect installation against the manual implies the exclusion of the entire guarantee.

The manufacturer declines any responsibility for the damage caused to people, objects and for errors due to the installation against the manual. Any use that isn't in accordance with the origin of its manufacturing will be regarded as dangerous.



WARNING:

Do not use means to accelerate the defrosting process or to clean, Other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.

Appliance shall be installed, operated and stored in a room with a floor area larger than X m².

NOTE The manufacturer may provide other suitable examples or may provide additional information about the refrigerant odour.

WARNING: Please empty the water in heat pump always during winter time or when the ambient temperature drops below 0°C, or else the Titanium exchanger will be damaged because of being frozen, in such case, your warranty will be lost.

WARNING: Please always cut the power supply if you want to open the cabinet to reach inside the heat pump, because there is high voltage electricity inside.

WARNING: Please keep the display controller in a dry area, or close the insulation cover to protect the display controller from being damaged by humidity.

1. Specifications

1.1 Technical data

Product model	PW030-DKZXYC-D	PW040-DKZXYC-D	PW050-DKZXYC-D	PW060-DKZXYC-D
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Advised pool volume(m3) (with cover)			25~50	30~60	40~75	50~90
Parameters	heating*	Heating capacity (kW)	14.0~3.20	17.50~3.50	21.5~5.00	24.50~5.50
		Heating capacity (BTU/h)	47600~10880	59500~11900	73100~17000	83300~18700
		Input power (kW)	1.94~0.20	2.50~0.22	3.10~0.31	3.65~0.34
		COP	7.2~16.0	7.0~15.9	6.9~16.1	6.7~16.2
	heating**	Heating capacity (kW)	10.51~2.48	13.0~2.57	16.25~3.60	19.10~4.2
		Heating capacity (BTU/h)	35734~8432	44200~8738	55250~12240	64940~14280
		Input power (kW)	1.91~0.31	2.40~0.32	3.05~0.45	3.54~0.53
		COP	5.5~8.0	5.4~8.0	5.3~8.0	5.4~7.9
	Rated current(A)		8.4	10.9	13.5	15.9
	Minimum fuse current (A)		13	16	20	25
	Advised water flux(m³/H)		4~6	6~8	7~9	8~10
	IP Grade (Level of protection)		IPX4	IPX4	IPX4	IPX4
	Anti-electric shock Rate		I	I	I	I
	Noise	Noise (dB(A)) (1m)	40~49	40~50	42~51	43~52
		Sound pressure of 50% capacity at 1m dB(A)	44	45	45	46
		Sound pressure at 10m dB(A)	18.5~27	22.0~27.5	22.5~29.5	23~30
Net weight/Gross weight(kg)						
Diameter of pipe (mm)		φ50				
Standard Configuration	Metel plate		Metal Casing			
	Body size(W*D*H)mm		697×708×752		745×824×852	
	Compressor		Panasonic			
	Refrigerant		R32	R32	R32	R32
	Power supply		230V/1p/ 50Hz/60HZ			
	Condenser		Titanium in PVC			
	Controller		Single System(Motorola Chip)			
	Power line connect with unit		3*1.5mm²	3*1.5mm²	3*2.5mm²	3*2.5mm²
	Package		wooden package			
Testing condition:						
Heating*:Inlet water temp. 26℃, Outlet water temp. 28℃, Dry bulb temp. 27℃.Humidity 80%.						
heating**: working condition, Inlet water temp. 26℃, Outlet water temp. 28℃, Dry bulb temp. 15℃.Humidity 70%.						
Product model			PW070-DKZXYC-D	PW070-DKZXYC-D	PW080-DKZXYC-D	
Advised pool volume(m3) (with cover)			60~100	60~100	70~120	
rs	mete	Para	heating*	Heating capacity (kW)	28.50~7.00	32.50~7.5

		Heating capacity (BTU/h)	96900~23800	96900~23800	110500~25500
		Input power (kW)	4.20~0.44	4.20~0.44	5.00~0.48
		COP	6.8~15.9	6.8~15.9	6.5~15.6
	heating**	Heating capacity (kW)	22.5~5.0	22.5~5.0	25.5~5.5
		Heating capacity (BTU/h)	76500~17000	76500~17000	87720~18700
		Input power (kW)	4.17~0.62	4.17~0.62	4.90~0.69
		COP	5.4~8.1	5.4~8.1	5.2~8.0
	Rated current(A)		18.3	11.1	13.2
	Minimum fuse current (A)		25	16	20
	Advised water flux(m³/H)		9~11	9~11	10~12
	IP Grade (Level of protection)		IPX4	IPX4	IPX4
	Anti-electric shock Rate		I	I	I
	Noise	Noise (dB(A)) (1m)	43~53	43~53	43~54
		Sound pressure of 50% capacity at 1m dB(A)	46.5	46.5	47
		Sound pressure at 10m dB(A)	23.5~31	23.5~31	24~32
Net weight/Gross weight(kg)					
Diameter of pipe (mm)		φ50			
Standard Configuration	Metel plate		Metal Casing		
	Body size(W*D*H)mm		895×904×912		
	Compressor		Panasonic		
	Refrigerant		R32	R32	R32
	Power supply		230V/1p/ 50Hz/60HZ	380V/3p/ 50Hz	
	Condenser		Titanium in PVC		
	Controller		Single System(Motorola Chip)		
	Power line connect with unit		3*4mm2	4*2.5mm2	4*2.5mm2
	Package		wooden package		
Testing condition:					
Heating*:Inlet water temp. 26℃, Outlet water temp. 28℃, Dry bulb temp. 27℃.Humidity 80%.					
heating**: working condition, Inlet water temp. 26℃, Outlet water temp. 28℃, Dry bulb temp. 15℃.Humidity 70%.					

* Above data are subjects to modification without notice.

2. Dimension

