

ECO home SERIES

SPLIT type inverter heat pumps EVI DC series **ECO home** designed specifically for European markets where there is a demand for heating/cooling + hot water. This unit can provide space heating and hot water supply through end devices such as fan coil, floor coil and radiator. It is widely used for apartments and cottages.

Split design with indoor and outdoor units, easy to install. Screwless appearance, modern compact design, make the ECO HOME Split EVI DC Inverter heat pump an ideal proposition for homeowners.



The EVI compressor is specially designed for high water temperatures.

Water heat exchanger with high efficiency tube in shell and tube heat exchanger.

Intelligent controller and adjustment by fast microprocessor.

Split design with indoor and outdoor units.

Automatic defrost function (with non-return valve inside).

It can be used for floor heating, fan coil units, water heaters, as well as modern radiators.

With an ideal defrosting system can operate at an ambient temperature of -30 Celsius.

Refrigerant R32, environmentally friendly - clean energy, no CO2 emissions.

Certificates: CE, CB, RoHS , meet EN14511, ISO 9001, ISO 14001 test standard.

OPTIONAL: Galvanized metal cabinet or stainless-steel cabinet

INDOOR UNIT



STANDARD EQUIPMENT



OUTDOOR UNIT



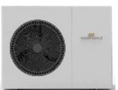
Panasonic
Twin-rotary
EVI Compressor



BLDC Motor



Outdoor unit

BOM code		CP- RW0300107	CP- RW0400058	CP- RW0500117	CP- RW0400076	CP- RW0500116	CP- RW0600037
product model		PW030- DKZLRS-C/S	PW040- DKZLRS-C/S	PW050- DKZLRS-C/S	PW040- DKZLRS-C	PW050- DKZLRS-C	PW060- DKZLRS-C
Picture							
Heating	Heating capacity range (kW)	4.2~8.0	6.5~12.6	8.6~18.0	6.5~12.6	8.6~18.0	10.5~22
	Heating input range (kW)	0.91~1.89	1.41~2.99	1.85~4.24	1.41~2.99	1.85~4.24	2.27~5.2
	COP range	4.23~4.64	4.21~4.62	4.25~4.65	4.21~4.62	4.25~4.65	4.23~4.63
Cooling	Cooling capacity range (kW)	2.9~5.8	4.2~8.2	6.2~12.3	4.2~8.2	6.2~12.3	7.2~14.2
	Cooling input power(kW)	0.89~2.33	1.30~3.33	1.86~4.80	1.30~3.33	1.86~4.80	2.17~5.55
	EER range	2.49~3.27	2.46~3.23	2.56~3.33	2.46~3.23	2.56~3.33	2.56~3.32
DHW	Heating capacity range (kW)	3.6~6.8	5.5~10.5	7.3~14.6	5.5~10.5	7.3~14.6	8.8~17.5
	Heating input range (kW)	0.93~2.19	1.42~3.42	1.85~4.66	1.42~3.42	1.85~4.66	2.24~5.61
	COP range	3.10~3.89	3.07~3.86	3.13~3.95	3.07~3.86	3.13~3.95	3.12~3.93
	Heated water output (L/H)	146	225	313	225	313	375
Refrigerant		R32					
Power supply		230V/1Ph/50-60Hz			380V/3Ph/50-60Hz		
Working ambient temp.		-30~43℃					
IP grade (Level of protection)		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Anti-electric shock rate		I	I	I	I	I	I
Noise (dB(A))		≤53	≤55	≤57	≤55	≤57	≤58
Net weight (kg)		85	95	135	95	135	140
Body size (W*D*H) (mm)		970×475×820	1030×475×970	1000×480×1380	1030×475×970	1000×480×1380	1000×480×1380
ErP level (35℃)		A+++	A+++	A+++	A+++	A+++	A+++
ErP level (55℃)		A++	A++	A++	A++	A++	A++

Compressor brand		Panasonic
Four-way valve		Sanhua
Expansion valve		Sanhua
Operating water temperature (°C) DHW		20~55℃
Operating water temperature (°C) heating		20~50℃
Operating water temperature (°C) cooling		7~35℃

Indoor unit

BOM code	CP- RW0400059	CP- RW0600038	CP- RW0400077	CP- RW0600053
Product model	PW040- DKZLRS-C	PW060- DKZLRS-C	PW040- DKZLRS-C	PW060- DKZLRS-C
Picture				
Power supply	230V/1Ph/50-60Hz			
Water pump type	SHIMGE / Adjustable DC inverter			
Max water head (m)	9	12	9	12
Auxiliary electric heater (kW)	3,00	3	3,00	3
Expansion vessel (L)	2	5	8	8
Safety valve (MPa)	0,3	0,3	0,3	0,3
3-way valve	/	/	ACOL/DN25	
2-way valve	Honywell/DN25		/	/
Diameter of pipe (mm)	DN25			
Water pressure drop (kPa)	25	35	25	35
Body size (W*D*H) (mm)	700×520×272		740×520×312	
Net weight (kg)	35	40	38	42
Applicable models	PW030- DKZLRS-C/S	PW050- DKZLRS-C/S	PW030- DKZLRS-C/S	PW050- DKZLRS-C/S
	PW040- DKZLRS-C/S	PW050- DKZLRS-C	PW040- DKZLRS-C/S	PW050- DKZLRS-C
	PW040- DKZLRS-C	PW060- DKZLRS-C	PW040- DKZLRS-C	PW060- DKZLRS-C