

Specially designed for zero-carbon CLEANLIFE PLUS SERIES SPLIT HEAT PUMP R290



The advertisement features a photograph of the Power World Cleanlife Plus Series Heat Pump R290 installed outdoors against a stone wall. The unit is a large, white, rectangular box with a black grille on the left side. A blue banner in the top left corner reads "NEW". A blue banner in the top right corner displays the "POWER WORLD" logo. A blue banner at the bottom of the image contains the text "CLEANLIFE PLUS SERIES HEAT PUMP" and "Specially designed for zero-carbon smart energy-saving homes". The text "Full DC Inverter" is visible in the bottom right corner of the image area.

NEW

POWER WORLD

Full DC Inverter

**CLEANLIFE PLUS
SERIES HEAT PUMP**

Specially designed for zero-carbon smart energy-saving homes

HEATING, COOLING AND DHW IN ONE SYSTEM

R290 Cleanlife Plus heat pump has a higher water outlet temperature, up to 75°C, it could be connected to smart grid/pv system, compatible with a variety of external heat sources, and equipped with dual-zone precise temperature control, also it could have a stable performance in extremely cold environments. This series has the world's most energy-saving, safe, and environmental-friendly hot water manufacturing equipment.



EXCELLENT COMPATIBILITY
AND FLEXIBILITY



WIFI	Timer setting	Noise ≤ 47 dB at 1 Meter	Languages	Max SCOP	32 climates curves
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Intelligent defrost	SMART temp adjustment	Sterilization each 7 days	Cascade control up to 8 units	Real-time energy monitoring	A+++ energy class at 35°C	-25°C ~ 43°C Ambient temp
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Automatically select
energy supply source



HEAT PUMP SOLUTIONS

Two configurations: more complete functions, more efficient installation/maintenance, and can meet diverse system requirements.



Combined supply of multiple heat sources



Auxiliary heat source (AHS) control



Solar energy smart control



Tank booster heater smart control



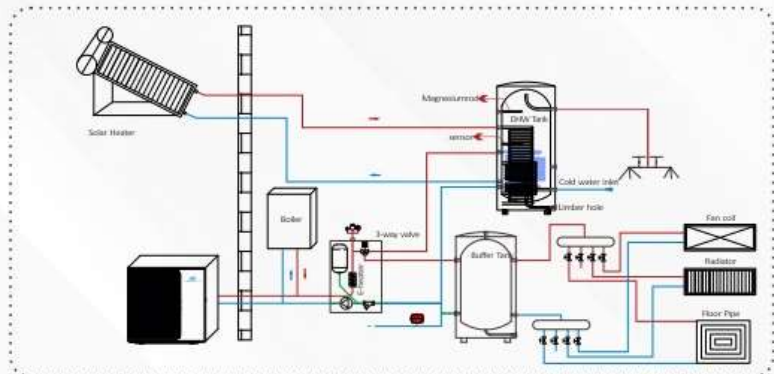
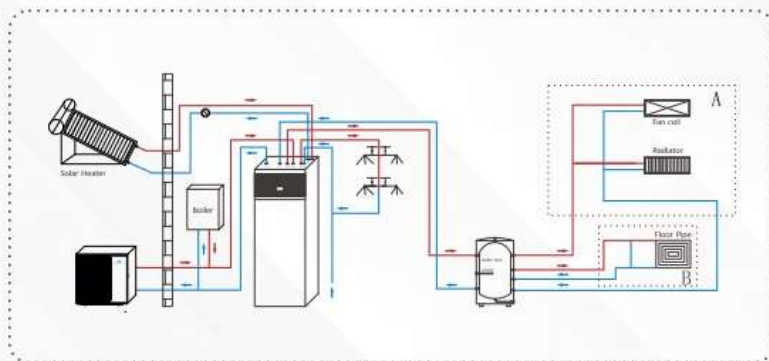
2 Zone Temp Control

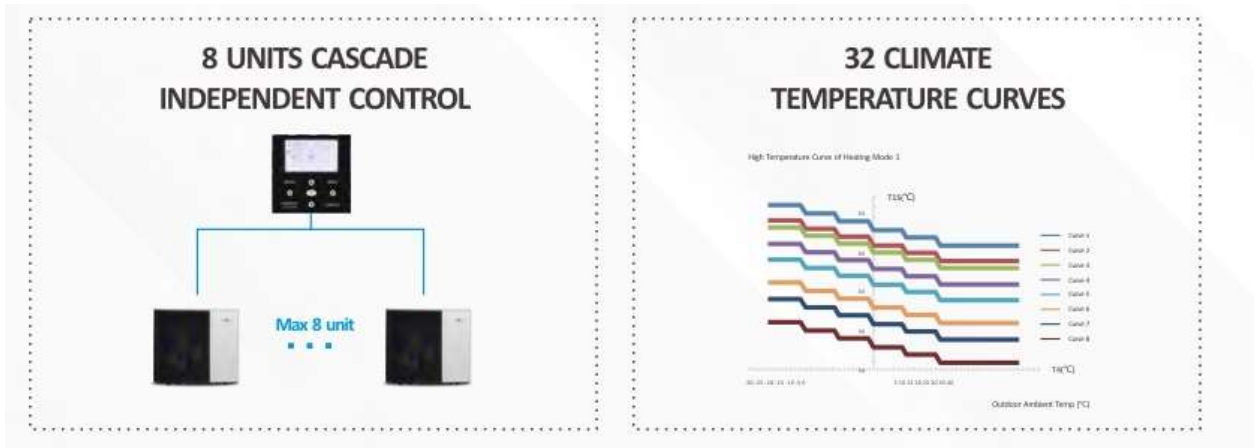


Max Cascade 8 Units



Solar Coil Optional: Built-in/None





FLEXIBLE MODULES, SIMPLIFY YOUR INSTALLATION

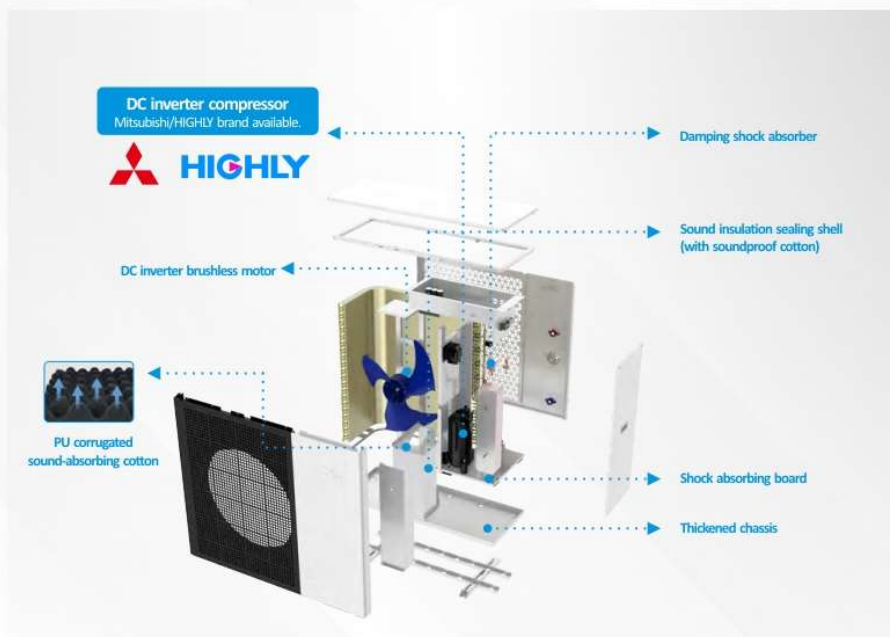
Integrated system, fast installation

The terminal control and waterway system components are integrated into a compact box, and the installer can flexibly adjust the installation plan according to the site, simplifying the installation steps and reducing installation Tailor-made, easily create brand characteristics.

Outdoor Unit

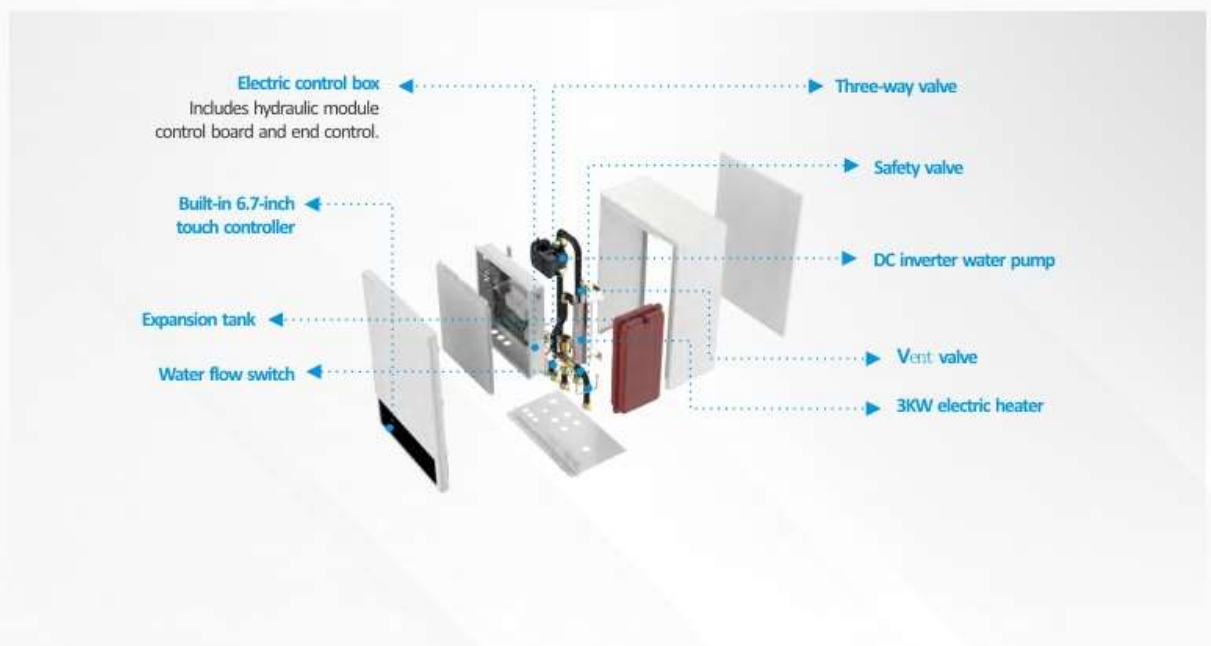
Multiple noise reduction, noise as low as 47dB(A) at 1M

The terminal control and waterway system components are integrated into a compact box, and the installer can flexibly adjust the installation plan according to the site, simplifying the installation steps and reducing installation difficulty and cost.



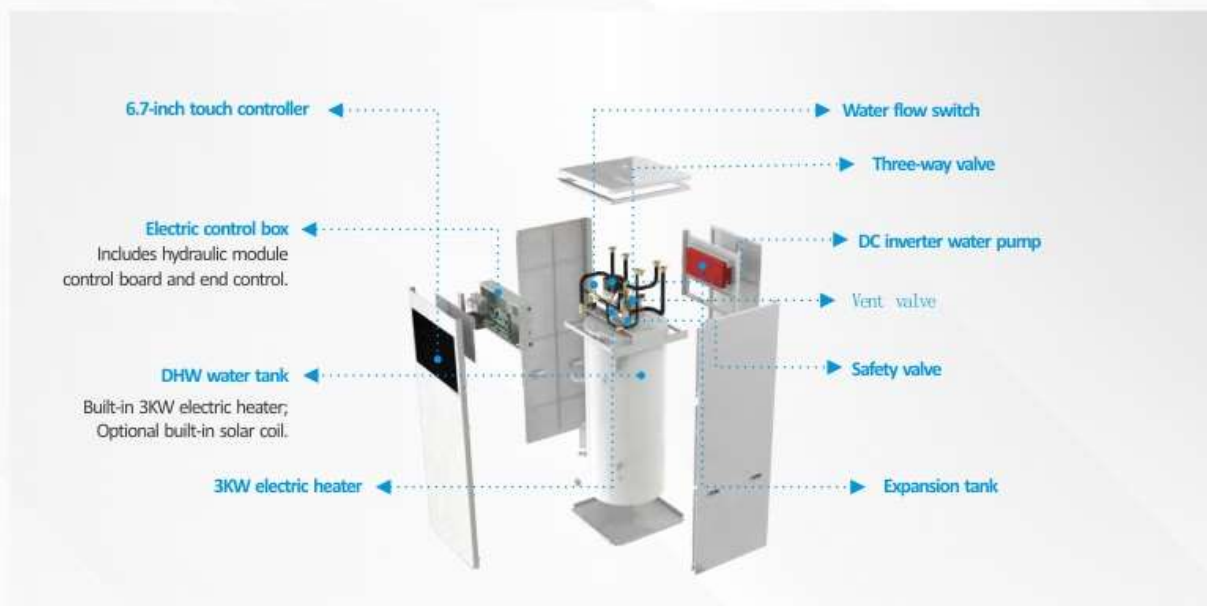
Hydro Box Unit

The best partner for heat pump systems, making installation/maintenance easier



Integrated DHW Tank

The perfect combination of hydraulic module + DHW water tank.



DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)

Highly Compressor

OUTDOOR UNIT

Model	PW030-DKZLRS-E/S(ODU)	PW040-DKZLRS-E/S(ODU)	PW050-DKZLRS-E(ODU)	PW060-DKZLRS-E(ODU)
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Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C				
Heating Capacity Range (kw)	3.3~8.3	4.5~11.4	5.9~14.8	8.8~22.0
Heating Power Input Range(kw)	0.64~2.18	0.85~2.95	1.13~3.83	1.68~5.77
Cop Range	3.81~5.17	3.86~5.29	3.86~5.22	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kw)	3.7~7.4	5.2~10.2	6.6~13.2	7.8~17.6
Heating Power Input Range(kw)	0.79~2.10	1.10~2.87	1.41~3.73	1.67~5.01
Cop Range	3.52~4.69	3.55~4.71	3.54~4.67	3.51~4.66
Heated Water Output (l/h)	159	219	283	377
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kw)	2.4~5.8	3.3~8.2	4.3~10.8	6.2~15.3
Cooling Power Input Range(kw)	0.79~2.19	1.08~3.07	1.39~3.99	1.99~5.60
EER Range	2.65~3.04	2.67~3.06	2.71~3.10	2.73~3.12
ERP Level (35°C)	A+++	A+++	A+++	A+++
Refrigerant	R290			
Power Supply	230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz	
Diameter Of Pipe (mm)	DN25	DN25	DN25	DN25
Noise dB(a)	≤47	≤50	≤52	≤53
Net Weight (kg)	105	116	130	166
Net Dimension (L/W/H) mm	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
Compressor Brand	HIGHLY			
Operation Ambient Temp. (°C)	-25~43			
Operating Water Temperature (°C)	20~65(DHW)			
Operating Water Temperature (°C)	20~70(Heating)			
Operating Water Temperature (°C)	7~35(Cooling)			

DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)				
Mitsubishi Compressor			OUTDOOR UNIT	
Model	PW030-DKZLRS-E1/S(ODU)	PW040-DKZLRS-E1/S(ODU)	PW050-DKZLRS-E1/S(ODU)	PW055-DKZLRS-E1/S(ODU)
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C				
Heating Capacity Range (kw)	3.3~8.3	4.5~11.4	5.9~14.8	7.2~18.2
Heating Power Input Range(kw)	0.64~2.07	0.85~2.85	1.13~3.69	1.38~4.54
Cop Range	4.01~5.17	4.00~5.29	4.01~5.22	4.01~5.22
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kw)	3.7~7.4	5.2~10.2	6.6~13.2	7.5~16.8
Heating Power Input Range(kw)	0.79~2.10	1.10~2.87	1.41~3.73	1.61~4.79
Cop Range	3.52~4.69	3.55~4.71	3.54~4.67	3.51~4.66
Heated Water Output (l/h)	159	219	283	361

Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kw)	2.4~5.8	3.3~8.2	4.3~10.8	5.6~14.1
Cooling Power Input Range(kw)	0.79~2.19	1.08~3.28	1.39~4.15	1.80~5.38
EER Range	2.65~3.04	2.50~3.06	2.60~3.10	2.62~3.11
ERP Level (35°C)	A+++	A+++	A+++	A+++
Refrigerant	R290			
Power Supply	230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz	
Diameter Of Pipe (mm)	DN25	DN25	DN25	DN25
Noise dB(a)	≤47	≤50	≤52	≤53
Net Weight (kg)	105	116	130	166
Net Dimension (L/W/H) mm	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
Compressor Brand	MITSUBISHI			
Operation Ambient Temp. (°C)	-25~43			
Operating Water Temperature (°C)	20~65(DHW)			
Operating Water Temperature (°C)	20~70(Heating)			
Operating Water Temperature (°C)	7~35(Cooling)			

		
HYDRO MODULE		INDOOR UNIT
Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Electric Heater	3kW/220V	3kW/220V
DC Inverter Water Pump	Shimge/APM25-9	Shimge/APF25-12
Max water head(m)	9	12
Expansion Tank(L)	8L	8L
Diameter of pipe (mm)	DN25	DN25
Safety valve(MPa)	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/32A
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	43	
Gross Weight(kg)	55	
Net Dimension(mm)	740*520*300	740*520*300
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)



INTEGRATED DHW TANK (STANDARD VERSION)

INDOOR UNIT

Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Hot water tank	200L	250L
Electric Heater	3kW+3kW/220V	
DC Inverter Water Pump	Shimge/APM25-9	Shimge/APF25-12
Max water head(m)	9	12
Expansion Tank(L)	8L	8L
Diameter of pipe (mm)	DN25	DN25
Safety valve(MPa)	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/32A
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	150	185
Gross Weight(kg)	175	215
Net Dimension(mm)	645*645*1745	645*645*2035
Packing Dimension(mm)	710*710*1880	710*710*2170
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)

INTEGRATED DHW TANK (BUILT-IN SOLAR COIL)

INDOOR UNIT

Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Hot water tank	300L	500L
Electric Heater	3kW+3kW/220V	
Solar coil	φ 25mm*10m	φ 25mm*10m
DC Inverter Water Pump	Shimge/APM25-9	Shimge/APF25-12
Max water head(m)	9	12
Expansion Tank(L)	8L	8L
Diameter of pipe (mm)	DN25	DN25
Safety valve(MPa)	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/32A
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	220	280
Gross Weight(kg)	250	320
Net Dimension(mm)	735*735*2035	885*885*1935
Packing Dimension(mm)	800*800*2170	950*950*2070
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)