

A HEAT PUMP



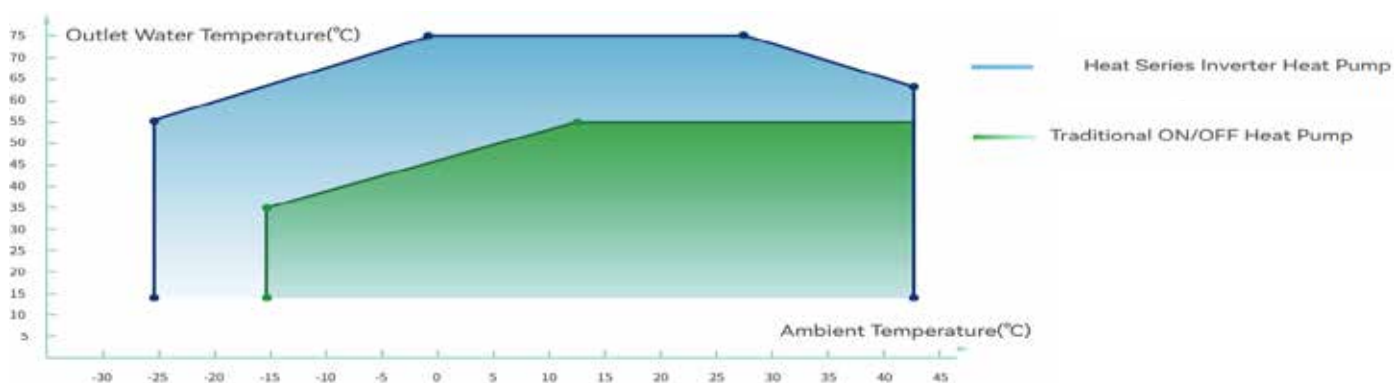
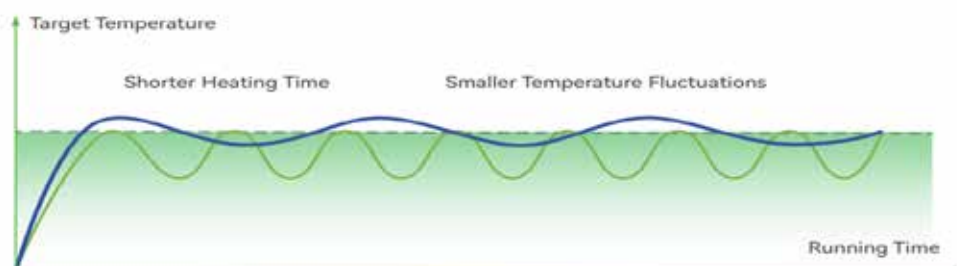
NEW

AZZURRO
ZCS
INNOVATIVE SOLUTIONS
FOR YOUR
ENERGY INDEPENDENCE

ZCS AZZURRO HEAT PUMP



- » Monobloc air-to-water heat pumps
- » R290 gas with low environmental impact
- » A+++ efficiency class
- » Operates in ambient temperatures as low as -25°C and provides output water temperatures up to 75°C
- » Reversible cycle for hot/cold water and domestic hot water (DHW) production
- » Wide range with 1-phase / 3-phase power supply from 4kW to 20kW thermal output
- » Integrated and controllable with Azzurro Hub to maximize system savings based on photovoltaic production



TECHNICAL DATA	ZHP-1PH			ZHP-3PH		
	9.0K-MN	13.0K-MN	16.0K-MN	9.0K-MN	13.0K-MN	16.0K-MN
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.						
Heating Capacity (kW)	3.50~8.81	4.50~12.74	6.00~16.00	3.50~8.81	4.50~12.74	6.00~16.00
Power Input (kW)	0.58~1.89	0.75~2.82	1.00~3.49	0.58~1.89	0.75~2.82	1.00~3.49
COP	6.00~4.65	6.00~4.52	6.00~4.59	6.00~4.65	6.00~4.52	6.00~4.59
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.						
Heating Capacity (kW)	3.15~7.98	3.90~11.25	5.40~14.4	3.15~7.98	3.90~11.25	5.40~14.4
Power Input (kW)	0.68~2.55	0.85~3.66	1.17~4.97	0.68~2.55	0.85~3.66	1.17~4.97
COP	4.63~3.13	4.59~3.07	4.61~2.90	4.63~3.13	4.59~3.07	4.61~2.90
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.						
Cooling Capacity (kW)	1.53~5.96	2.93~8.87	3.50~13.00	1.53~5.96	2.93~8.87	3.50~13.00
Power Input (kW)	0.33~2.11	0.63~3.26	0.76~4.33	0.33~2.11	0.63~3.26	0.76~4.33
EER	4.64~2.82	4.65~2.72	4.60~3.00	4.64~2.82	4.65~2.72	4.60~3.00
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.						
Heating Capacity (kW)	9.33	13.9	17.2	9.33	13.9	17.2
Power Input (kW)	2.14	3.28	4.00	2.14	3.28	4.00
Hot Water Current Input Range (A)	9.8	14.36	17.75	3.5	5.36	6.53
COP	4.35	4.24	4.3	4.35	4.24	4.3
Max. Power Input (kW)	4	5	6	4	5	6
Max. Running Current (A)	18.3	22.9	29	7.1	8.7	10.8
Max. Outlet Water Temp. (°C)		75			75	
Operation Range (°C)		-25~43			-25~43	
Power Supply		220~250V~/ 50Hz			380~415V/3N~/ 50Hz	
Rated Water Flow (m³/h)	1.5	2.19	2.75	1.5	2.19	2.75
Compressor Brand		HIGHLY			HIGHLY	
Circulating Pump		Built-In			Built-In	
Expansion Tank (L)	2		5	2		5
CO2 Equivalent (Ton)	0.0023	0.0029	0.0049	0.0023	0.0029	0.0049
ErP Level (35°C)		A+++			A+++	
ErP Level (55°C)		A++			A++	
Refrigerant Type		R290			R290	
Water Pipe Connection (inch)		G1 1/4"			G1 1/4"	
Water Proof Class		IPX4			IPX4	
Electricity Shock Proof		I			I	
Net Dimensions (L×W×H) (mm)	1263 x 440 x 875		1263 x 440 x 1375	1263 x 440 x 875		1263 x 440 x 1375
Sound Pressure Level dB (A) at 1m	44	45	45	44	45	45

Notice:The above data is for reference only. The specs data is subject to actual product.



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