



## Specification

Outdoor Unit Mode				AHZ-080HCPB1A	AHZ-100HCPB1A	
Power Supply				1N, 220-240V, 50Hz		
OAT (DB/WB)		IWT / OWT	-	Parameters		
Nominal Heating Operation*1	7 / 6 °C	30 / 35 °C	Capacity	kW	8.00	10.00
			COP	-	5.10	4.80
		47 / 55 °C	Capacity	kW	8.00	10.00
	COP		-	3.20	3.10	
	-7 / -8 °C	30 / 35 °C	Capacity	kW	8.00	10.00
			COP	-	3.00	2.80
47 / 55 °C		Capacity	kW	7.00	8.00	
	COP	-	2.15	2.15		
Nominal Cooling Operation*1	35 / -- °C	12 / 7 °C	Capacity	kW	8.00	9.00
			EER	-	3.30	3.30
		23 / 18 °C	Capacity	kW	8.00	10.00
	EER		-	5.00	4.70	
	Seasonal Performance*2	Water Outlet 35°C	SCOP	-	5.05	5.00
			Seasonal Heating Efficiency (ηs)	%	199	197
Energy Rating			-	A+++	A+++	
Water Outlet 55°C		SCOP	-	3.93	3.81	
		Seasonal Heating Efficiency (ηs)	%	154	149	
		Energy Rating	-	A+++	A++	
Sound Pressure*3	Normal Mode		dB(A)	42	43	
	Low Noise Mode		dB(A)	38	39	
	Night shift Mode		dB(A)	36	37	
Sound Power	Normal Mode		dB(A)	53	54	
Fan	Condenser Fan Quantity		-	1	1	
	Air Flow Rate		m3/h	3780	3780	
Outer Dimensions	Height×Width×Depth		mm	845×1376×426		
Packing Dimensions	Height×Width×Depth		mm	1025×1500×570		
Net Weight			kg	122	122	
Gross Weight			kg	145	145	
Refrigerant System	Compressor		Type	Rotary		
			Quantity	1		
	Refrigeration Oil		Type	PAG VG60		
			Charge	L	0.83	0.83
	Refrigeration Charge		Type	R290		
			Before Shipment	kg	0.98	0.98
Operation Range	Heating	Outdoor ambient temperature	°C (DB)	-25~35		
		Outlet water temperature	°C	20~75		
	Cooling	Outdoor ambient temperature	°C (DB)	5~48		
		Outlet water temperature	°C	5~22		
	DHW	Outdoor ambient temperature	°C (DB)	-25~46		
		Tank water temperature	°C	30~75		
Water Flow Rate	IWT: 30 °C / OWT: 35 °C ΔT: 5 °C		m3/h	1.38	1.72	
DC Water pump	Type		-	Inverter		
	Max. Lift Pressure		m	9		
	Max. Water Flow Rate		m3/h	4.5		
	Max. Power Input		W	95		
Valve	Safety Valve		-	Yes (3 bar)		
	Shut-off Valve		in.	1", DN25		
	Connection type		-	Screwed connection		
Water Installation	Shutdown valves		mm (in.)	G1"(male)-G1"(female)		
	Inlet pipe diameter		mm (in.)	G1"(female)		
	Outlet pipe diameter		mm (in.)	G1"(female)		

\*1: Heating/Cooling nominal performances at full load conditions according to EN 14511. heating performance are integrated (included defrost cycles).

\*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A+++ to D.

\*3: The sound power level is measured according to EN12102 under EN14825 (part load) conditions. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.

OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature