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Domestic Air Source Heat Pump

TECHNICAL SPECIFICATION

MODEL		ESHP-1001-3P	ESHP-1002-4.7P
Heating capacity	kW	3	4.7
COP		4.00	3.36
Rated heated water output	L/h	65L	120L
Rated outlet water temp.	°C	55°C	
Max outlet water temp.	°C	60°C	
Rated power input	kW	0.75	1.4
Rated current input	A	3.4A	6.5A
Max Power Input	kW	1	1.19
Max Current Input	A	5	8.35
Power supply	V/PH/Hz	230V~/50Hz	
Water-proof		IPX4	
Anti-electric Shock Protection		Class I	
Heat Exchanger Max Pressure	MPa	2.8	
Suction/Discharge Max Pressure	MPa	0.8/2.8	
Refrigerant		R134A	
Refrigerant/Charge Quantity	Kg	0.9	1.1
Compressor type		Rotary	
Heat exchanger type		Double wall tube-in-tube heat exchanger	
Throttling device		Electronic Expansion Valve	
Fan type		Low noise high efficiency axial type	
Fan discharging		I Horizontal	
Fan quantity		1	
Ambient temperature	°C	(-7°C~43°C)	
Noise in 1 meter distance	dB	≤54dB(A)	
Water pipe size	mm	Rc3/4 (DN20)	
Suggested water tank capacity	L	100-250	200-300
Cabinet		Stainless steel (304)	
Low pressure protection system		Yes	
High pressure protection system		Yes	
Automatically defrost system		Yes	
Product Dimension	mm	710×310×715	710×310×940
Net weight	Kg	50	62
Gross weight	Kg	62	74
Testing condition: Ambient temp.(DB/WB) = 20°C/ 15 °C, Input/output water temp. = 15°C/55°C			

