

1-1. Unit Specifications

PZH4

High Static Pressure Ducted Type S-200PE4E / U-200PZH4E8

INDOOR			MODEL		S-200PE4E			-			-	
PANEL			MODEL		-			-			-	
OUTDOOR			MODEL		-			U-200PZH4E8			-	
Branch pipe			MODEL		-			-			-	
Performance test condition					ISO5151 / EN14511 / EN12102 / EN14825							
Power supply			ø, Hz		1ø 50Hz			3Ø 50Hz			-	
			V		220V	230V	240V	380V	400V	415V	Min	Max
COOLING	Capacity	kW		19.0	19.0	19.0	-	-	-	5.7	20.0	
		BTU/h		64800	64800	64800	-	-	-	19400	68200	
		Sensible	kW	16.7	16.7	16.7	-	-	-	-	-	
				Latent	kW	2.3	2.3	2.3	-	-	-	-
	Current	A		3.50	3.40	3.30	9.80	9.30	8.95	-	-	
	Input power	W		620	620	620	-	-	-	-	-	
		TOTAL W		-	-	-	5.930k	5.930k	5.930k	1.240k	7.200k	
	Annual consumption	TOTAL kWh		-	-	-	-	2965	-	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.20	3.20 / B	3.20	4.60	2.78	
	Erp *6	Pdesign	kW	-	-	-	-	19.0	-	-	-	
		ηsc	%	-	-	-	-	237.8	-	-	-	
		Annual Consumption	kWh	-	-	-	-	-	-	-	-	
		Class		-	-	-	-	-	-	-	-	
		Power factor	%	-	-	-	92	92	92	-	-	
		Noise indoor	dB-A (H/M/L)		46/44/41			-			-	-
	Power Level dB		78/76/73			-			-	-		
	Noise outdoor	dB-A (H/L)		-			57/-			-	-	
		Power Level dB		-			76/-			-	-	
	HEATING	Capacity	kW		22.4	22.4	22.4	-	-	-	5.0	24.5
			BTU/h		76400	76400	76400	-	-	-	17100	83600
Current			A	3.50	3.40	3.30	10.4	9.90	9.55	-	-	
Input power			W	620	620	620	-	-	-	-	-	
COP/COP CLASS		TOTAL W		-		-	6.310k	6.310k	6.310k	1.050k	7.500k	
		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.55	3.55 / B	3.55	4.76	3.27	
		Pdesign at -10°C	kW	-	-	-	-	16.0	-	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	-	
Erp *6		ηsh	%	-	-	-	-	146.0	-	-	-	
		Annual consumption	kWh	-	-	-	-	-	-	-	-	
		elbu(-10°C)	kW	-	-	-	-	0.00	-	-	-	
		Class		-	-	-	-	-	-	-	-	
Power factor		%	-	-	-	92	92	92	-	-		
Noise indoor		dB-A (H/M/L)		46/44/41			-			-	-	
		Power Level dB		78/76/73			-			-	-	
Noise outdoor		dB-A (H/L)		-			61/-			-	-	
	Power Level dB		-			80/-			-	-		
LOW TEMP			Total capacity(kW)		-			-			-	
EXTRA LOW TEMP			Total capacity(kW) *2		-			17.8			-	
Max Current(A) / Max Input power(W)				5.90/1090	5.80/1090	5.70/1090	15.0/9.08k	15.0/9.56k	15.0/9.92k	-		
Starting current(A) (Cooling/Heating)				-	-	-	9.80/10.4	9.30/9.90	8.95/9.55	-		
Comp output(W)				-			4.20k	4.20k	4.20k	-		
Time Delay fuse max size(A)				-			30			-		
Network Impedance (Ω MAX.)				-			-			-		
Fan motor output (Indoor/Outdoor) W				750			600			-		
Moisture removal volume			L/h(Pt/h)		4.3 (4.3×1)			-			-	
External static pressure			Pa		75 / (120/180)			-			-	
Indoor Air flow	Cooling	(H/M/L) m³/min (m³/h)		72.0/63.0/53.0 (4320)/(3780)/(3180)			-			-	-	
	Heating	(H/M/L) m³/min (m³/h)		72.0/63.0/53.0 (4320)/(3780)/(3180)			-			-	-	
Outdoor Air flow	Cooling	m³/min (m³/h)		-			116 (6960)			-	-	
	Heating	m³/min (m³/h)		-			136 (8160)			-	-	
Refrigerant type / amount g(oz) / amount max kg				-			R32 / 4.80k / 10.4			-	-	
F-GAS	GWP / CO ₂ eq (ton) (PRECHARGE AMOUNT) / CO ₂ eq (ton) (MAXIMUM CHARGE AMOUNT)		-			675 / 3.24 / 7.02			-			
Product dimension		Height	mm (inch)		486 (19-1/8)			996 (39-7/32)			-	
		Width	mm (inch)		1456 (57-5/16)			1140 (44-7/8)			-	
		Depth	mm (inch)		916 (36-1/16)			460 (18-7/64)			-	
Product dimension (Panel)		H×W×D mm, inch		-			-			-	-	
Packing dimension		Height	mm (inch)		610 (24-1/32)			1135 (44-11/16)			-	
		Width	mm (inch)		1646 (60-13/16)			1252 (49-19/64)			-	
		Depth	mm (inch)		1132 (44-9/16)			616 (24-1/4)			-	
Weight		(NET)	kg (lb)		83 (183)			109 (240)			-	
		(GROSS)	kg (lb)		97 (214)			117 (258)			-	
		Panel	kg (lb)		-			-			-	-
Layers limit (actually)				4 (5)			1 (2)			-	-	
Operation condition		Cool (DBT)		18°C ~ 32°C			-15°C ~ 52°C			-	-	
		Heat (DBT)		16°C ~ 30°C			-20°C ~ 35°C			-	-	
Max Working Pressure HP/LP Mpa (bar)				4.15/2.55 (41.5/25.5)			-			-	-	
P I P I N G	Pipe port diameter mm (inch)		(Liquid)Ø12.7(1/2) (Gas)Ø22.22(7/8)			(Liquid)Ø12.7(1/2) (Gas)Ø22.22(7/8)			-	-		
	Pipe diameter mm (inch)		(Liquid)Ø12.7(1/2) (Gas)Ø22.2(7/8)			-			-	-		
	Standard length m(ft)		7.5 (24.6)			-			-	-		
	Connecting method		(Liquid)flared type (Gas)brazing connection			(Liquid)flared type (Gas)brazing connection			-	-		
	Pipe length range m (ft)		5 ~ 100m (16.4 ~ 328)			-			-	-		
	Indoor unit & Outdoor unit height difference m (ft)		30 (OD located lower) / 30 (OD located higher) (98.4/98.4)			-			-	-		
	Add gas amount g/m (oz/ft)		80g/m (0.860)			-			-	-		
	Pipe length for additional gas m (ft)		30m (98.4)			-			-	-		

* In the case of nanoe X OFF

*1 In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

*2 If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet bulb temperatures with rated voltage 230V (400V) shall be used.

*3 Network Impedance shall be applicable for EUROPE and CHINA models.

*4 The annual consumption is calculated by multiplying the input power at 230V(400V) by an average of 500 hours per year in cooling mode.

*5 EER and COP classification is at 230V(400V) only in accordance with EU directive 2002/31/EC.

*6 ηsc and ηsh classification is at 230V(400V) only in accordance with EN-14825. For heating, ηsh indicates the value of only Average heating season.

* Max Current(A) / Max Input Power(W) value in the outdoor side is applicable for outdoor unit only.