

1-1. Unit Specifications

PZH4

High Static Pressure Ducted Type S-250PE4E/ U-250PZH4E8

INDOOR		MODEL	S-250PE4E								
PANEL		MODEL									
OUTDOOR		MODEL				U-250PZH4E8					
Branch pipe		MODEL									
Performance test condition			ISO5151 / EN14511 / EN12102 / EN14825								
COOLING	Power supply		1φ 50Hz			3φ 50Hz					
	Capacity	V	220V	230V	240V	380V	400V	415V	Min	Max	
		kW	22.0	22.0	22.0	-	-	-	6.1	25.6	
		BTU/h	75100	75100	75100	-	-	-	20800	87300	
		Sensible	kW	18.2	18.2	18.2	-	-	-	-	-
	Latent	kW	3.8	3.8	3.8	-	-	-	-	-	
	Current	A	4.30	4.20	4.10	13.10	12.50	8.95	-	-	
	Input power	W	830	830	830	-	-	-	-	-	
		TOTAL W	-	-	-	8.040k	8.040k	8.040k	1.250k	10.30k	
	Annual consumption	TOTAL kWh	-	-	-	-	4020	-	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"- "G")	-	-	-	2.74	2.74 / D	2.74	4.88	2.49	
	E _{rp} *6	Pdesign	kW	-	-	-	-	22.0	-	-	
		η _{sc}	%	-	-	-	-	213.0	-	-	
		Annual Consumption	kWh	-	-	-	-	-	-	-	
		Class	-	-	-	-	-	-	-	-	
Power factor	%	-	-	-	93	93	93	-	-		
Noise indoor	dB-A (H/M/L)	47/45/42						-	-		
	Power Level dB	79/77/74						-	-		
Noise outdoor	dB-A (H/L)				57/-			-	-		
	Power Level dB				76/-			-	-		
Capacity	kW	24.0	24.0	24.0	-	-	-	5.5	27.6		
	BTU/h	81900	81900	81900	-	-	-	18800	94200		
	Current	A	4.30	4.20	4.10	11.00	10.50	10.10	-		
	Input power	W	830	830	830	-	-	-	-		
COP/COP CLASS	TOTAL (W/W) *5/ ("A"- "G")	-	-	-	3.55	3.55 / B	3.55	4.78	3.07		
	Pdesign at -10°C	kW	-	-	-	-	17.2	-	-		
E _{rp} *6	Tbivalent	°C	-	-	-	-	-10	-	-		
	η _{sh}	%	-	-	-	-	145.0	-	-		
	Annual consumption	kWh	-	-	-	-	-	-	-		
	elbu(-10°C)	kW	-	-	-	-	0.00	-	-		
Class	-	-	-	-	-	-	-	-			
Power factor	%	-	-	-	93	93	93	-	-		
Noise indoor	dB-A (H/M/L)	47/45/42						-	-		
	Power Level dB	79/77/74						-	-		
Noise outdoor	dB-A (H/L)				63/-			-	-		
	Power Level dB				82/-			-	-		
LOW TEMP	Total capacity(kW)							-	-		
EXTRA LOW TEMP	Total capacity(kW) *2				20.1			-	-		
Max Current(A) / Max Input power(W)		6.60/1440	6.60/1440	6.30/1440	18.5/11.3k	18.5/11.9k	18.5/12.4k	-	-		
Starting current(A) (Cooling/Heating)		-	-	-	13.10/11.0	12.50/10.5	12.00/10.1	-	-		
Comp output(W)					5.50k	5.50k	5.50k	-	-		
Time Delay fuse max size(A)					30			-	-		
Network Impedance (Ω MAX.)								-	-		
Fan motor output (Indoor/Outdoor) W		750 x 2			600			-	-		
Moisture removal volume		L/h(Pt/h)			5.5 (5.5x1)			-	-		
External static pressure		Pa			75 / (130/200)			-	-		
Indoor Air flow	Cooling	(H/M/L) m ³ /min (m ³ /h)	84.0/72.0/59.0 (5040)/(4320)/(3540)						-	-	
	Heating	(H/M/L) m ³ /min (m ³ /h)	84.0/72.0/59.0 (5040)/(4320)/(3540)						-	-	
Outdoor Air flow	Cooling	m ³ /min (m ³ /h)				116 (6960)			-	-	
	Heating	m ³ /min (m ³ /h)				148 (8880)			-	-	
Refrigerant type / amount g(oz) / amount max kg					R32 / 4.80k / 10.40			-	-		
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)	87 (192)			109 (240)			-		
	(GROSS)	kg (lb)	101 (223)			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 η_{sc} and η_{sh} classification is at 230V(400V) only in accordance with EN-14825. For heating, η_{sh} 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.