

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-2. Middle Static Pressure Duct Type S-1014PF3E(125) / U-125PZH4E8

INDOOR		MODEL	S-1014PF3E(125)			-			-		
PANEL		MODEL	-			-			-		
OUTDOOR		MODEL	-			U-125PZH4E8			-		
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	
C O O L I N G	Capacity	kW	12.1	12.1	12.1	-	-	-	3.2	13.6	
		BTU/h	41300	41300	41300	-	-	-	10900	46400	
	Current	A	1.08	1.06	1.04	5.65	5.40	5.20	-	-	
		W	153	153	153	-	-	-	-	-	
	Input power	TOTAL W	-			3.43k	3.43k	3.43k	640	4.54k	
		TOTAL kWh *4	-	-	-	-	1715	-	-	-	
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.53	3.53 / A	3.53	5.00	3.00
	ErP *6	Pdesign	kW	-	-	-	-	12.1	-	-	-
		ηsc	(W/W)	-	-	-	-	281.0	-	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-	-
		Class		-	-	-	-	-	-	-	-
	Power factor		%	-	-	-	92	92	92	-	-
Noise indoor *7	dB-A (H/M/L)	35/31/27			-			-	-		
	Power Level dB	58/54/50			-			-	-		
Noise outdoor	dB-A (H/L)	-			55/-			-	-		
	Power Level dB	-			73/-			-	-		
H E A T I N G	Capacity	kW	13.5	13.5	13.5	-	-	-	3.2	15.4	
		BTU/h	46100	46100	46100	-	-	-	10900	52500	
	Current	A	1.08	1.06	1.04	6.50	6.20	5.95	-	-	
		W	153	153	153	-	-	-	-	-	
	Input power	TOTAL W	-			3.90k	3.90k	3.90k	620	5.04k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.46	3.46 / B	3.46	5.16	3.06
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	9.3	-	-	-
		Tbivalent	°C	-	-	-	-	-10	-	-	-
		ηsh	(W/W)	-	-	-	-	165.0	-	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-	-
	elbu(-10°C)	kW	-	-	-	-	0.00	-	-	-	-
		Class		-	-	-	-	-	-	-	-
	Power factor		%	-	-	-	91	91	91	-	-
	Noise indoor *7	dB-A (H/M/L)	35/31/27			-			-	-	
		Power Level dB	58/54/50			-			-	-	
	Noise outdoor	dB-A (H/L)	-			55/-			-	-	
		Power Level dB	-			73/-			-	-	
LOW TEMP		Total capacity(kW) / Input power(W) / COP			-	-	-	-	-		
EXTRA LOW TEMP		Total capacity(kW) / Input power(W) / COP			-	10.10	-	-	-		
Max Current(A) / Max Input power(W)			2.87/410	2.87/410	2.87/410	11.4 / 6.85k	11.4 / 7.15k	11.4 / 7.40k	-		
Starting current(A) (Cooling/Heating)			-	-	-	5.65 / 6.50	5.40 / 6.20	5.20 / 5.95	-		
Comp output(W)			-			2.80k	2.80k	2.80k	-		
Time Delay fuse max size(A)			-			15			-		
Network Impedance(ΩMAX.)			-			-			-		
Fan motor output (Indoor/Outdoor) W			259			120			-		
Moisture removal volume		L/h	4.1 (4.1×1)			-			-		
External static pressure		Pa	50 (MIN10 - MAX150)			-			-		
Indoor Air flow *7	Cooling	m³/min (H/M/L)	34.0 / 29.0 / 23.0			-			-	-	
	Heating	m³/min (H/M/L)	34.0 / 29.0 / 23.0			-			-	-	
Outdoor Air flow	Cooling	m³/min	-			86.0			-	-	
	Heating	m³/min	-			78.0			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg			-			R32	3.000	5.975	-		
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			675	2.03	4.03	-		
Product dimension		Height mm	250			996			-		
		Width mm	1400			980			-		
		Depth mm	730			370			-		
Product dimension (Panel)		H×W×D mm	-			-			-		
Packing dimension		Height mm	805			1134			-		
		Width mm	1665			1095			-		
		Depth mm	340			529			-		
Weight	(NET) kg	39			84			-			
	(GROSS) kg	45			92			-			
	Panel (NET) kg	-			-			-			
Layers limit (actually)			3(4)			1 (2)			-		
Operation condition	Cool (DBT)	18°C~32°C			-15°C(*8 -20°C)~52°C			-			
	Heat (DBT)	16°C~30°C			-20°C ~ 24°C			-			
Max Working Pressure HP/LP MPa			4.15/2.55			-					
P I P I N G	Pipe port diameter mm (inch)		(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			-		
	Pipe diameter mm (inch)		(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			-					
	Connecting method		flared type			flared type			-		
	Standard length m		5 m			-					
	Pipe length range m *9		5 ~ 100 m			-					
	Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 30 m(OD located higher)			-					
	Add gas amount (20~85) g/m		40 g/m			-					
	Add gas amount (85~100) g/m		25 g/m			-					
Pipe length for additional gas m		30m			-						

* In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)

* 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 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.

*7 H : High at setting 5 stage (Level 5) M : Middle at setting 5 stage (Level 3) L : Low at setting 5 stage (Level 1) Noise of L is indicated by the values at FAN mode

*8 It is possible to operate at -20°C only computer rooms with the piping length of 30m or less.

*9 Total piping length is 100m but maximum wiring length is 85m. Piping length maybe limited depending on the wiring length.