

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-2. Middle Static Pressure Duct Type S-1014PF3E(100) / U-100PZH4E8

INDOOR			MODEL		S-1014PF3E(100)			-			-		
PANEL			MODEL		-			-			-		
OUTDOOR			MODEL		-			U-100PZH4E8			-		
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		9.5	9.5	9.5	-	-	-	3.1	11.4		
		BTU/h		32400	32400	32400	-	-	-	10600	38900		
	Current	A		0.92	0.90	0.88	3.85	3.70	3.50	-	-		
		W		127	127	127	-	-	-	-	-		
	Input power	TOTAL W		-			2.32k	2.32k	2.32k	610	4.04k		
		TOTAL kWh *4		-	-	-	-	1160	-	-	-		
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.09	4.09 / A	4.09	5.08	2.82	
	ErP *6	Pdesign		kW		-	-	-	9.5	-	-	-	
		SEER		(W/W)		-	-	-	7.4	-	-	-	
		Annual consumption		kWh		-	-	-	447	-	-	-	
		Class		-		-	-	-	A++	-	-	-	
	Power factor		%		-	-	-	91	91	92	-	-	
Noise indoor *7	dB-A (H/M/L)		33/29/25			-			-			-	
	Power Level dB		56/52/48			-			-			-	
Noise outdoor	dB-A (H/L)		-			52/-			-			-	
	Power Level dB		-			69/-			-			-	
H E A T I N G	Capacity	kW		10.8	10.8	10.8	-	-	-	3.1	13.5		
		BTU/h		36800	36800	36800	-	-	-	10600	46100		
	Current	A		0.92	0.90	0.88	4.65	4.40	4.20	-	-		
		W		127	127	127	-	-	-	-	-		
	Input power	TOTAL W		-			2.78k	2.78k	2.78k	590	4.40k		
		COP/COP CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.88	3.88 / A	3.88	5.25	3.07
	ErP *6	Pdesign at -10°C		kW		-	-	-	-	7.8	-	-	
		Tbivalent		°C		-	-	-	-	-10	-	-	
		SCOP		(W/W)		-	-	-	-	4.3	-	-	
		Annual consumption		kWh		-	-	-	-	2540	-	-	
	elbu(-10°C)	kW		-	-	-	-	-	0.00	-	-	-	
		Class		-		-	-	-	A+	-	-	-	
	Power factor		%		-	-	-	91	91	92	-	-	
	Noise indoor *7	dB-A (H/M/L)		33/29/25			-			-			-
		Power Level dB		56/52/48			-			-			-
	Noise outdoor	dB-A (H/L)		-			52/-			-			-
		Power Level dB		-			69/-			-			-
LOW TEMP	Total capacity(kW) / Input power(W) / COP			-			-	-	-	-			
EXTRA LOW TEMP	Total capacity(kW) / Input power(W) / COP			-			8.60	-	-	-			
Max Current(A) / Max Input power(W)				2.87/410	2.87/410	2.87/410	9.90 / 6.05k	9.90 / 6.30k	9.90 / 6.50k	-			
Starting current(A) (Cooling/Heating)				-	-	-	3.85 / 4.65	3.70 / 4.40	3.50 / 4.20	-			
Comp output(W)				-			2.50k	2.50k	2.50k	-			
Time Delay fuse max size(A)				-			15			-			
Network Impedance(ΩMAX.)				-			-			-			
Fan motor output (Indoor/Outdoor) W				259			120			-			
Moisture removal volume			L/h	3.2 (3.2×1)			-			-			
External static pressure			Pa	40 (MIN10 - MAX150)			-			-			
Indoor Air flow *7	Cooling	m³/min (H/M/L)		32.0 / 26.0 / 21.0			-			-	-		
	Heating	m³/min (H/M/L)		32.0 / 26.0 / 21.0			-			-	-		
Outdoor Air flow	Cooling	m³/min		-			76.0			-	-		
	Heating	m³/min		-			70.0			-	-		
Refrigerant type / amount(ship) kg / amount(max) kg				-			R32	2.700	5.975	-			
F-Gas	GWP /		-			675	1.82	4.03	-				
	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			-			-				
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			82			-			
		(GROSS)	kg	45			90			-			
		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 SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating SCOP indicates the value of only Average heating season Other fiche data indicates in an attached sheet

*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.