

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-4. Ceiling Type S-1014PT3E(125) / U-125PZH4E8

INDOOR			MODEL		S-1014PT3E(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	14.0	
			BTU/h		41300	41300	41300	-	-	-	10900	47800	
	Current		A		0.89	0.86	0.83	5.80	5.50	5.30	-	-	
			W		110	110	110	-	-	-	-	-	
	Input power		TOTAL W		-			3.50k	3.50k	3.50k	600	4.65k	
			Annual consumption		TOTAL kWh *4		-	-	-	1750	-	-	-
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.46	3.46 / A	3.46	5.33	3.01	
	ErP *6	Pdesign	kW		-	-	-	-	12.1	-	-	-	
		ηsc	(W/W)		-	-	-	-	277.3	-	-	-	
		Annual consumption	kWh		-	-	-	-	-	-	-	-	
		Class	-		-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	92	92	92	-	-	
Noise indoor *7		dB-A (H/M/L)		46/40/35			-			-	-		
		Power Level dB		64/58/53			-			-	-		
Noise outdoor		dB-A (H/L)		-			55/-			-	-		
		Power Level dB		-			73/-			-	-		
H E A T I N G	Capacity		kW		14.0	14.0	14.0	-	-	-	3.2	16.0	
			BTU/h		47800	47800	47800	-	-	-	10900	54600	
	Current		A		0.89	0.86	0.83	6.20	5.85	5.65	-	-	
			W		110	110	110	-	-	-	-	-	
	Input power		TOTAL W		-			3.70k	3.70k	3.70k	580	5.00k	
			COP/COP CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.78	3.78 / A	3.78	5.52
	ErP *6	Pdesign at -10°C	kW		-	-	-	-	9.5	-	-	-	
		Tbivalent	°C		-	-	-	-	-10	-	-	-	
		ηsh	(W/W)		-	-	-	-	175.6	-	-	-	
		Annual consumption	kWh		-	-	-	-	-	-	-	-	
	elbu(-10°C)	kW		-	-	-	-	0.00	-	-	-	-	
		Class		-	-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	91	91	91	-	-	
	Noise indoor *7		dB-A (H/M/L)		46/40/35			-			-	-	
			Power Level dB		64/58/53			-			-	-	
	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			-			10.50	-	-		
Max Current(A) / Max Input power(W)			1.24/170		1.20/170	1.16/170	11.4 / 6.85k	11.4 / 7.15k	11.4 / 7.40k	-			
Starting current(A) (Cooling/Heating)			-		-	-	5.80 / 6.20	5.50 / 5.85	5.30 / 5.65	-			
Comp output(W)			-		-	-	2.80k	2.80k	2.80k	-			
Time Delay fuse max size(A)			-		-	-	15			-			
Network Impedance(QMAX.)			-		-	-	-			-			
Fan motor output (Indoor/Outdoor) W			129		-	-	120			-			
Moisture removal volume			L/h		5.4 (5.4×1)			-			-		
External static pressure			Pa		-			-			-		
Indoor Air flow *7	Cooling	m³/min (H/M/L)		34.0 / 28.0 / 24.0			-			-	-		
	Heating	m³/min (H/M/L)		34.0 / 28.0 / 24.0			-			-	-		
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		235			996			-		
		Width	mm		1590			980			-		
		Depth	mm		690			370			-		
Product dimension (Panel)		H×W×D	mm		-			-			-		
Packing dimension		Height	mm		360			1134			-		
		Width	mm		1655			1095			-		
		Depth	mm		820			529			-		
Weight	(NET)	kg		40			84			-			
	(GROSS)	kg		49			92			-			
	Panel (NET)	kg		-			-			-			
Layers limit (actually)			9(10)			-	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 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)

*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.