

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-2. Middle Static Pressure Duct Type S-1014PF3E(125) / U-125PZ3E8

INDOOR		MODEL	S-1014PF3E(125)			-			-			
PANEL		MODEL	-			-			-			
OUTDOOR		MODEL	-			U-125PZ3E8			-			
Branch pipe		MODEL				-						
Performance test condition			ISO13253 / 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	13.5		
		BTU/h	41300	41300	41300	-	-	-	10900	46100		
	Current	A	-	-	-	5.75	5.45	5.25	-	-		
	Input power	W	-	-	-	-	-	-	-	-		
		TOTAL W	-	-	-	3.560k	3.560k	3.560k	0.630k	4.900k		
	Annual consumption	TOTAL kWh *4	-	-	-	-	1780	-	-	-		
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"--"G")	-	-	-	3.40	3.40 / A	3.40	5.08	2.76	
	ErP *6	Pdesign	kW	-	-	-	-	12.1	-	-	-	
		η _{sc}	%	-	-	-	-	256.2	-	-	-	
		Annual consumption	kWh	-	-	-	-	-	-	-	-	
	Class			-	-	-	-	-	-	-	-	
		Power factor	%	-	-	-	94	94	94	-	-	
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	12.1	12.1	12.1	-	-	-	3.3	15.0		
		BTU/h	41300	41300	41300	-	-	-	11300	51200		
	Current	A	-	-	-	5.50	5.20	5.05	-	-		
	Input power	W	-	-	-	-	-	-	-	-		
		TOTAL W	-	-	-	3.400k	3.400k	3.400k	0.630k	4.740k		
	COP/COP CLASS		TOTAL (W/W) *5/ ("A"--"G")	-	-	-	3.56	3.56 / B	3.56	5.24	3.16	
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	9.3	-	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	-	
		η _{sh}	%	-	-	-	-	142.6	-	-	-	
		Annual consumption	kWh	-	-	-	-	-	-	-	-	
		elbu(-10°C)	kW	-	-	-	-	0.00	-	-	-	
	Class		-	-	-	-	-	-	-	-	-	
		Power factor	%	-	-	-	94	94	94	-	-	
	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					-	-	-	-			
Max Current(A) / Max Input power(W)			-	-	-	12.9 / 6.64k	12.9 / 6.94k	12.9 / 7.19k	-			
Starting current(A) (Cooling/Heating)			-	-	-	5.75 / 5.50	5.45 / 5.20	5.25 / 5.05	-			
Comp output(W)			-			2.80k	2.80k	2.80k	-			
Time Delay fuse max size(A)			-			20			-			
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	-			82.0			-	-		
	Heating	m³/min	-			80.0			-	-		
Refrigerant type / amount(ship) kg / amount(max) kg			-			R32	2.800	3.700	-			
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			675	1.89	2.50	-			
Product dimension	Height	mm	250			996			-			
	Width	mm	1400			980			-			
	Depth	mm	730			370			-			
Product dimension (Panel)		H×W×D	-			-			-			
Packing dimension	Height	mm	805			1134			-			
	Width	mm	1665			1095			-			
	Depth	mm	340			529			-			
Weight	(NET)	kg	39			87			-			
	(GROSS)	kg	45			95			-			
	Panel (NET)	kg	-			-			-			
Layers limit (actually)			3 (4)			2 (3)			-			
Operation condition	Cool (DBT)	18°C ~ 32°C			-10°C ~ 43°C			-				
	Heat (DBT)	16°C ~ 30°C			-15°C ~ 24°C			-				
Max Working Pressure HP/LP MPa			4.15 / 2.55						-			
P I P E 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)			(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		5 ~ 50 m						-			
	Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 30 m(OD located higher)						-			
	Add gas amount g/m		45 g/m						-			
	Pipe length for additional gas m		30 m						-			

* 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 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.

*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