

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-4. Ceiling Type S-1014PT3E(125) / U-125PZ3E8

INDOOR		MODEL	S-1014PT3E(125)			-			-		
PANEL		MODEL	-			-			-		
OUTDOOR		MODEL	-			U-125PZ3E8			-		
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	12.5	12.5	12.5	-	-	-	3.2	13.5	
		BTU/h	42700	42700	42700	-	-	-	10900	46100	
	Current	A	-	-	-	6.10	5.75	5.55	-	-	
	Input power	W	-	-	-	-	-	-	-	-	
		TOTAL W	-	-	-	3.760k	3.760k	3.760k	600	4.88k	
	Annual consumption	TOTAL kWh *4	-	-	-	-	1880	-	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.32	3.32 / A	3.32	5.33	2.77	
	ErP *6	Pdesign	kW	-	-	-	-	12.5	-	-	-
		η _{sc}	%	-	-	-	-	240.9	-	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-	-
		Class		-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	94	94	94	-	-	
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	12.5	12.5	12.5	-	-	-	3.3	15.0	
		BTU/h	42700	42700	42700	-	-	-	11300	51200	
	Current	A	-	-	-	5.20	4.95	4.75	-	-	
	Input power	W	-	-	-	-	-	-	-	-	
		TOTAL W	-	-	-	3.210k	3.210k	3.210k	730	4.40k	
	COP/COP CLASS	TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.89	3.89 / A	3.89	4.52	3.41	
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	12.5	-	-	-
		Tbivalent	°C	-	-	-	-	-7	-	-	-
		η _{sh}	%	-	-	-	-	147.4	-	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-	-
		elbu(-10°C)	kW	-	-	-	-	2.63	-	-	-
		Class		-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	94	94	94	-	-	
	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					-	-	-	-		
Max Current(A) / Max Input power(W)			-	-	-	12.9 / 6.64k	12.9 / 6.94k	12.9 / 7.19k	-		
Starting current(A) (Cooling/Heating)			-	-	-	6.10 / 5.20	5.75 / 4.95	5.55 / 4.75	-		
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			129			120			-		
Moisture removal volume		L/h	5.7 (5.7 ×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	-			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	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			87			-		
		(GROSS) kg	49			95			-		
		Panel (NET) kg	-			-			-		
Layers limit (actually)		9 (10)			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 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)			(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 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)