

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-50PY3E / U-50PZ3E5

INDOOR		MODEL	S-50PY3E			-			-		
PANEL		MODEL	CZ-KPY4			-			-		
OUTDOOR		MODEL	-			U-50PZ3E5			-		
Branch pipe		MODEL				-			-		
Performance test condition			ISO5151 / EN14511 / EN12102 / EN14825								
Power supply		Ø, Hz	1Ø 50Hz			1Ø 50Hz			Min	Max	
		V	220V	230V	240V	220V	230V	240V			
C O O L I N G	Capacity	kW	5.0	5.0	5.0	-	-	-	1.5	5.6	
		BTU/h	17100	17100	17100	-	-	-	5100	19100	
	Current	A	-	-	-	6.65	6.35	6.10	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.430k	1.430k	1.430k	240	1.85k	
		TOTAL kWh *4	-	-	-	-	715	-	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.50	3.50 / A	3.50	6.25	3.03	
	ErP *6	Pdesign	kW	-	-	-	-	5.0	-	-	-
		SEER	(W/W)	-	-	-	-	7.3	-	-	-
		Annual consumption	kWh	-	-	-	-	238	-	-	-
Class		-	-	-	-	A++	-	-	-	-	
Power factor	%	-	-	-	-	98	98	98	-	-	
Noise indoor *7	dB-A (H/M/L)	39/34/27					-			-	-
		Power Level dB					54/49/42			-	-
	dB-A (H/L)	-					46/-			-	-
		Power Level dB					64/-			-	-
H E A T I N G	Capacity	kW	5.0	5.0	5.0	-	-	-	1.5	6.4	
		BTU/h	17100	17100	17100	-	-	-	5100	21800	
	Current	A	-	-	-	5.95	5.70	5.45	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.270k	1.270k	1.270k	200	2.20k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.94	3.94 / A	3.94	7.50	2.91
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	4.0	-	-	-
		Tbivalent	°C	-	-	-	-	-10	-	-	-
		SCOP	(W/W)	-	-	-	-	4.4	-	-	-
		Annual consumption	kWh	-	-	-	-	1264	-	-	-
elbu(-10°C)		kW	-	-	-	-	0.00	-	-	-	
Class		-	-	-	-	A+	-	-	-	-	
Power factor	%	-	-	-	-	97	97	97	-	-	
Noise indoor *7	dB-A (H/M/L)	39/34/27					-			-	-
		Power Level dB					54/49/42			-	-
	dB-A (H/L)	-					46/-			-	-
		Power Level dB					64/-			-	-
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)			-	-	-	10.5 / 2.20k	10.5 / 2.25k	10.5 / 2.30k	-		
Starting current(A) (Cooling/Heating)			-	-	-	6.65 / 5.95	6.35 / 5.70	6.10 / 5.45	-		
Comp output(W)			-			1.50k	1.50k	1.50k	-		
Time Delay fuse max size(A)			-			15			-		
Network Impedance(ΩMAX.)			-			-			-		
Fan motor output (Indoor/Outdoor) W			31			40			-		
Moisture removal volume		L/h	2.3 (2.3 ×1)			-			-		
External static pressure		Pa	-			-			-		
Indoor Air flow *7	Cooling	m³/min (H/M/L)	12.0 / 9.5 / 6.5			-			-	-	
	Heating	m³/min (H/M/L)	12.0 / 9.5 / 6.5			-			-	-	
Outdoor Air flow	Cooling	m³/min	-			32.7			-	-	
	Heating	m³/min	-			31.9			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg			-			R32	1.140	1.330	-		
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			675	0.77	0.90	-		
Product dimension	Height	mm	243			619			-		
	Width	mm	575			824			-		
	Depth	mm	575			299			-		
Product dimension (Panel)		H×W×D mm	30 × 625 × 625			-			-		
Packing dimension	Height	mm	325			680			-		
	Width	mm	745			958			-		
	Depth	mm	700			416			-		
Weight	(NET)	kg	15			35			-		
	(GROSS)	kg	20			38			-		
	Panel (NET)	kg	2.8			-			-		
Layers limit (actually)			11(12)			5(6)			-		
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)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)			-		
	Pipe diameter mm (inch)		(Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(Gas)Ø12.7(1/2)			-		
	Connecting method		flared type			flared type			-		
	Standard length m		5 m						-		
	Pipe length range m		3 ~ 20 m						-		
	Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 15 m(OD located higher)						-		
	Add gas amount g/m		15 g/m						-		
	Pipe length for additional gas m		7.5 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 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)