

1-1. Unit Specifications

1-1-2. PZH3

Single - Type

1-1-2-5. 4-Way Cassette 60 × 60 Type S-50PY3E / U-50PZH3E5

INDOOR		MODEL	S-50PY3E			-			-	
PANEL		MODEL	CZ-KPY4			-			-	
OUTDOOR		MODEL	-			U-50PZH3E5			-	
Branch pipe		MODEL	-			-			-	
Performance test condition			ISO5151 / EN14511 / EN12102 / EN14825							
Power supply		Ø, Hz	1Ø 50Hz			1Ø 50Hz				
		V	220V	230V	240V	220V	230V	240V	Min Max	
C O O L I N G	Capacity	kW	5.0	5.0	5.0	-	-	-	1.2 5.6	
		BTU/h	17100	17100	17100	-	-	-	4100 19100	
	Current	A	-	-	-	6.30	6.00	5.75	- -	
	Input power	W	-	-	-	-	-	-	- -	
		TOTAL W	-			1.330k	1.330k	1.330k	220 1.64k	
	Annual consumption	TOTAL kWh *4	-	-	-	-	665	-	- -	
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"--"G")	-	-	-	3.76	3.76 / A	3.76 5.45 3.41	
	ErP *6	Pdesign	kW	-	-	-	-	5.0	-	- -
		SEER	(W/W)	-	-	-	-	7.0	-	- -
		Annual consumption	kWh	-	-	-	-	248	-	- -
		Class		-	-	-	-	A++	-	- -
	Power factor		%	-	-	-	96	96	96	- -
Noise indoor *7	dB-A (H/M/L)	39/34/27			-			-	- -	
	Power Level dB	54/49/42			-			-	- -	
Noise outdoor	dB-A (H/L)	-			46/-			-	- -	
	Power Level dB	-			64/-			-	- -	
H E A T I N G	Capacity	kW	5.6	5.6	5.6	-	-	-	1.2 6.5	
		BTU/h	19100	19100	19100	-	-	-	4100 22200	
	Current	A	-	-	-	7.85	7.50	7.20	- -	
	Input power	W	-	-	-	-	-	-	- -	
		TOTAL W	-			1.660k	1.660k	1.660k	220 2.20k	
	COP/COP CLASS		TOTAL (W/W) *5/ ("A"--"G")	-	-	-	3.37	3.37 / C	3.37 5.45 2.95	
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	4.5	-	- -
		Tbivalent	°C	-	-	-	-	-9	-	- -
		SCOP	(W/W)	-	-	-	-	4.6	-	- -
		Annual consumption	kWh	-	-	-	-	1370	-	- -
	elbu(-10°C)	kW	-	-	-	-	0.23	-	-	- -
		Class		-	-	-	-	A++	-	- -
	Power factor		%	-	-	-	96	96	96	- -
	Noise indoor *7	dB-A (H/M/L)	39/34/27			-			-	- -
		Power Level dB	54/49/42			-			-	- -
	Noise outdoor	dB-A (H/L)	-			48/-			-	- -
		Power Level dB	-			67/-			-	- -
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)			-	-	-	12.0 / 2.46k	12.0 / 2.57k	12.0 / 2.68k	-	
Starting current(A) (Cooling/Heating)			-	-	-	6.30 / 7.85	6.00 / 7.50	5.75 / 7.20	-	
Comp output(W)			-			0.90k	0.90k	0.90k	-	
Time Delay fuse max size(A)			-			20			-	
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	-			42.0			-	
	Heating	m³/min	-			42.0			-	
Refrigerant type / amount(ship) kg / amount(max) kg			-			R32	1.130	1.280	-	
F-Gas	GWP /		-			675	0.76	0.86	-	
	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-							
Product dimension		Height mm	243			695			-	
		Width mm	575			875			-	
		Depth mm	575			320			-	
Product dimension (Panel)		H×W×D mm	30 × 625 × 625			-			-	
Packing dimension		Height mm	325			761			-	
		Width mm	745			1049			-	
		Depth mm	700			460			-	
Weight		(NET) kg	15			42			-	
		(GROSS) kg	20			46			-	
		Panel (NET) kg	2.8			-			-	
Layers limit (actually)			11(12)			3(4)			-	
Operation condition		Cool (DBT)	18°C ~ 32°C			-15°C ~ 46°C			-	
		Heat (DBT)	16°C ~ 30°C			-20°C ~ 24°C			-	
Max Working Pressure HP/LP MPa			4.15 / 2.55						-	
P I P E 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)						-	
	Connecting method		flared type			flared type			-	
	Standard length m		5 m						-	
	Pipe length range m		3 ~ 40 m						-	
	Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 30 m(OD located higher)						-	
	Add gas amount g/m		15 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 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)