

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-1. 4-Way Cassette Type S-1014PU3E(100) / U-100PZH4E8

INDOOR			MODEL		S-1014PU3E(100)			-			-		
PANEL			MODEL		Standard : CZ-KPU3 or CZ-KPU3W / ECONAVI : CZ-KPU3A or CZ-KPU3AW			-			-		
OUTDOOR			MODEL		-			U-100PZH4E8			-		
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		9.5	9.5	9.5	-	-	-	3.1	12.5		
		BTU/h		32400	32400	32400	-	-	-	10600	42700		
	Current	A		0.82	0.79	0.76	3.60	3.40	3.25	-	-		
		W		100	100	100	-	-	-	-	-		
	Input power	TOTAL W		-			2.15k	2.15k	2.15k	580	3.65k		
		TOTAL kWh *4		-	-	-	-	1075	-	-	-		
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.42	4.42 / A	4.42	5.34	3.42	
	ErP *6	Pdesign		kW		-	-	-	-	9.5	-	-	
		SEER		(W/W)		-	-	-	-	7.8	-	-	
		Annual consumption		kWh		-	-	-	-	426	-	-	
		Class				-	-	-	-	A++	-	-	
		Power factor		%		-	-	-	91	91	92	-	-
	Noise indoor *7	dB-A (H/M/L)		45/38/32			-			-			-
		Power Level dB		60/53/47			-			-			-
dB-A (H/L)		-			52/-			-			-		
Power Level dB		-			69/-			-			-		
H E A T I N G	Capacity	kW		11.2	11.2	11.2	-	-	-	3.1	14.0		
		BTU/h		38200	38200	38200	-	-	-	10600	47800		
	Current	A		0.81	0.78	0.75	3.75	3.55	3.40	-	-		
		W		95	95	95	-	-	-	-	-		
	Input power	TOTAL W		-			2.24k	2.24k	2.24k	560	3.85k		
		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	5.00	5.00 / A	5.00	5.54	3.64		
	ErP *6	Pdesign at -10°C		kW		-	-	-	-	8.0	-	-	
		Tbivalent		°C		-	-	-	-	-10	-	-	
		SCOP		(W/W)		-	-	-	-	4.9	-	-	
		Annual consumption		kWh		-	-	-	-	2286	-	-	
		elbu(-10°C)		kW		-	-	-	-	0.00	-	-	
		Class				-	-	-	-	A++	-	-	
	Power factor		%		-	-	-	91	91	92	-	-	
	Noise indoor *7	dB-A (H/M/L)		45/38/32			-			-			-
Power Level dB		60/53/47			-			-			-		
dB-A (H/L)		-			52/-			-			-		
Power Level dB		-			69/-			-			-		
LOW TEMP Total capacity(kW) / Input power(W) / COP		-			-			-	-	-	-		
EXTRA LOW TEMP Total capacity(kW) / Input power(W) / COP		-			9.00			-	-	-	-		
Max Current(A) / Max Input power(W)		1.27/133			1.22/133	1.17/133	9.90 / 6.05k	9.90 / 6.30k	9.90 / 6.50k	-	-		
Starting current(A) (Cooling/Heating)		-			-	-	3.60 / 3.75	3.40 / 3.55	3.25 / 3.40	-	-		
Comp output(W)		-			2.50k			2.50k	2.50k	-	-		
Time Delay fuse max size(A)		-			-			15	-	-	-		
Network Impedance(ΩMAX.)		-			-			-	-	-	-		
Fan motor output (Indoor/Outdoor) W		90			120			-	-	-	-		
Moisture removal volume		L/h		1.9 (1.9×1)	-			-	-	-	-		
External static pressure		Pa		-	-			-	-	-	-		
Indoor Air flow *7	Cooling	m³/min (H/M/L)		36.0 / 26.0 / 18.0			-			-	-		
	Heating	m³/min (H/M/L)		36.0 / 26.0 / 18.0			-			-	-		
Outdoor Air flow	Cooling	m³/min		-			76.0			-	-		
	Heating	m³/min		-			70.0			-	-		
Refrigerant type / amount(ship) kg / amount(max) kg		-			R32			2.700	5.975	-	-		
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			675			1.82	4.03	-		
Product dimension	Height mm		319			996			-				
	Width mm		840			980			-				
	Depth mm		840			370			-				
Product dimension (Panel)		H×W×D mm		33.5 x 950 x 950			-			-			
Packing dimension	Height mm		365			1134			-				
	Width mm		898			1095			-				
	Depth mm		898			529			-				
Weight	(NET) kg		25			82			-				
	(GROSS) kg		31			90			-				
	Panel (NET) kg		5			-			-				
Layers limit (actually)		11(12)			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 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)

*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.