

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-1. 4-Way Cassette Type S-1014PU3E(125) / U-125PZH4E8

INDOOR			MODEL		S-1014PU3E(125)							
PANEL			MODEL		Standard : CZ-KPU3 or CZ-KPU3W / ECONAVI : CZ-KPU3A or CZ-KPU3AW							
OUTDOOR			MODEL		-			U-125PZH4E8				
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	14.0
			BTU/h		42700	42700	42700	-	-	-	10900	47800
	Current		A		0.91	0.88	0.85	5.45	5.15	5.00	-	-
			W		110	110	110	-	-	-	-	-
	Input power		TOTAL W		-			3.29k	3.29k	3.29k	600	4.55k
			TOTAL kWh *4		-	-	-	-	1645	-	-	-
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.80	3.80 / A	3.80	5.33	3.08
	ErP *6	Pdesign	kW		-	-	-	-	12.5	-	-	-
		ηsc	(W/W)		-	-	-	-	303.0	-	-	-
		Annual consumption	kWh		-	-	-	-	-	-	-	-
		Class			-	-	-	-	-	-	-	-
	Power factor		%		-	-	-	92	92	92	-	-
Noise indoor *7		dB-A (H/M/L)		46/39/33			-			-	-	
		Power Level dB		61/54/48			-			-	-	
Noise outdoor		dB-A (H/L)		-			55/-			-	-	
		Power Level dB		-			73/-			-	-	
H E A T I N G	Capacity		kW		14.0	14.0	14.0	-	-	-	3.2	16.0
			BTU/h		47800	47800	47800	-	-	-	10900	54600
	Current		A		0.90	0.87	0.84	5.10	4.80	4.65	-	-
			W		105	105	105	-	-	-	-	-
	Input power		TOTAL W		-			3.04k	3.04k	3.04k	580	4.75k
			COP/COP CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.61	4.61 / A	4.61
	ErP *6	Pdesign at -10°C	kW		-	-	-	-	9.5	-	-	-
		Tbivalent	°C		-	-	-	-	-10	-	-	-
		ηsh	(W/W)		-	-	-	-	186.0	-	-	-
		Annual consumption	kWh		-	-	-	-	-	-	-	-
	elbu(-10°C)		kW		-	-	-	-	0.00	-	-	-
	Class				-	-	-	-	-	-	-	-
	Power factor		%		-	-	-	91	91	91	-	-
	Noise indoor *7		dB-A (H/M/L)		46/39/33			-			-	-
			Power Level dB		61/54/48			-			-	-
	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					-	10.50	-	-	-	
Max Current(A) / Max Input power(W)					1.27/133	1.22/133	1.17/133	11.4 / 6.85k	11.4 / 7.15k	11.4 / 7.40k	-	
Starting current(A) (Cooling/Heating)					-	-	-	5.45 / 5.10	5.15 / 4.80	5.00 / 4.65	-	
Comp output(W)					-	-	-	2.80k	2.80k	2.80k	-	
Time Delay fuse max size(A)					-	-	-	15			-	
Network Impedance(QMAX.)					-	-	-				-	
Fan motor output (Indoor/Outdoor) W					-	90	-	120			-	
Moisture removal volume		L/h		4.8 (4.8×1)						-	-	
External static pressure		Pa								-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)		37.0 / 27.0 / 19.0						-	-	
	Heating	m³/min (H/M/L)		37.0 / 27.0 / 19.0						-	-	
Outdoor Air flow	Cooling	m³/min		-			86.0			-	-	
	Heating	m³/min		-			78.0			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg					-			R32	3.000	5.975	-	
F-Gas	GWP /				-			675	2.03	4.03	-	
	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)				-						-	
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			84			-	
		(GROSS)	kg		31			92			-	
		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 ηsc and ηsh classification is at 230V(400V) only in accordance with EN-14825. For heating ηsh 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)

*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.