

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-1. 4-Way Cassette Type S-1014PU3E(140) / U-140PZH4E8

INDOOR			MODEL		S-1014PU3E(140)			-			-	
PANEL			MODEL		Standard : CZ-KPU3 or CZ-KPU3W / ECONAVI : CZ-KPU3A or CZ-KPU3AW			-			-	
OUTDOOR			MODEL		-			U-140PZH4E8			-	
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		13.4	13.4	13.4	-	-	-	3.3	16.0
			BTU/h		45700	45700	45700	-	-	-	11300	54600
	Current		A		0.97	0.94	0.91	6.15	5.85	5.65	-	-
			W		120	120	120	-	-	-	-	-
	Input power		TOTAL W		-			3.72k	3.72k	3.72k	620	5.85k
			TOTAL kWh *4		-	-	-	-	1860	-	-	-
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.60	3.60 / A	3.60	5.32	2.74
			Pdesign kW		-	-	-	-	13.4	-	-	-
	ErP *6		ηsc (W/W)		-	-	-	-	286.6	-	-	-
			Annual consumption kWh		-	-	-	-	-	-	-	-
			Class		-	-	-	-	-	-	-	-
			Power factor		-	-	-	-	92	92	92	-
	Noise indoor *7		dB-A (H/M/L)		47/40/34			-			-	-
			Power Level dB		62/55/49			-			-	-
Noise outdoor		dB-A (H/L)		-			56/-			-	-	
		Power Level dB		-			74/-			-	-	
H E A T I N G	Capacity		kW		16.0	16.0	16.0	-	-	-	3.3	18.0
			BTU/h		54600	54600	54600	-	-	-	11300	61400
	Current		A		0.96	0.93	0.90	6.20	5.90	5.65	-	-
			W		115	115	115	-	-	-	-	-
	Input power		TOTAL W		-			3.72k	3.72k	3.72k	600	5.50k
			COP/COP CLASS TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.30	4.30 / A	4.30	5.50	3.27
	ErP *6		Pdesign at -10°C kW		-	-	-	-	10.6	-	-	-
			Tbivalent °C		-	-	-	-	-10	-	-	-
			ηsh (W/W)		-	-	-	-	181.1	-	-	-
			Annual consumption kWh		-	-	-	-	-	-	-	-
			elbu(-10°C) kW		-	-	-	-	0.00	-	-	-
			Class		-	-	-	-	-	-	-	-
	Power factor		%		-	-	-	91	91	92	-	-
	Noise indoor *7		dB-A (H/M/L)		47/40/34			-			-	-
Power Level dB			62/55/49			-			-	-		
Noise outdoor		dB-A (H/L)		-			56/-			-	-	
		Power Level dB		-			74/-			-	-	
LOW TEMP		Total capacity(kW) / Input power(W) / COP			-			-	-	-	-	
EXTRA LOW TEMP		Total capacity(kW) / Input power(W) / COP			-			11.70	-	-	-	
Max Current(A) / Max Input power(W)					1.27/133	1.22/133	1.17/133	11.4 / 7.00k	11.4 / 7.35k	11.4 / 7.60k	-	
Starting current(A) (Cooling/Heating)					-	-	-	6.15 / 6.20	5.85 / 5.90	5.65 / 5.65	-	
Comp output(W)					-			3.00k	3.00k	3.00k	-	
Time Delay fuse max size(A)					-			15			-	
Network Impedance(ΩMAX.)					-			-			-	
Fan motor output (Indoor/Outdoor) W					90			120			-	
Moisture removal volume			L/h	4.9 (4.9×1)			-			-	-	
External static pressure			Pa	-			-			-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)		38.0 / 29.0 / 20.0			-			-	-	
	Heating	m³/min (H/M/L)		38.0 / 29.0 / 20.0			-			-	-	
Outdoor Air flow	Cooling	m³/min		-			89.0			-	-	
	Heating	m³/min		-			83.0			-	-	
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.