

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-1. 4-Way Cassette Type S-1014PU3E(140) / U-140PZ3E8

INDOOR			MODEL		S-1014PU3E(140)			-			-	
PANEL			MODEL		Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW			-			-	
OUTDOOR			MODEL		-			U-140PZ3E8			-	
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		14.0	14.0	14.0	-	-	-	3.3	15.0	
		BTU/h		47800	47800	47800	-	-	-	11300	51200	
	Current	A		-	-	-	7.00	6.65	6.40	-	-	
		W		-	-	-	-	-	-	-	-	
	Input power	TOTAL W		-			4.340k	4.340k	4.340k	0.620k	5.500k	
		TOTAL kWh *4		-	-	-	-	2170	-	-	-	
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.23	3.23 / A	3.23	5.32	2.73
	ErP *6	Pdesign kW		-	-	-	-	14.0	-	-	-	-
		η _{sc} %		-	-	-	-	256.2	-	-	-	-
		Annual consumption kWh		-	-	-	-	-	-	-	-	-
		Class		-	-	-	-	-	-	-	-	-
	Power factor	%		-	-	-	94	94	94	-	-	-
		dB-A (H/M/L)		47 / 40 / 34			-			-	-	-
	Noise indoor *7	Power Level dB		62 / 55 / 49			-			-	-	-
dB-A (H/L)		-			56 / -			-	-	-		
Noise outdoor		Power Level dB		-			74 / -			-	-	
										-	-	
H E A T I N G	Capacity	kW		14.0	14.0	14.0	-	-	-	3.4	16.0	
		BTU/h		47800	47800	47800	-	-	-	11600	54600	
	Current	A		-	-	-	5.40	5.15	4.95	-	-	
		W		-	-	-	-	-	-	-	-	
	Input power	TOTAL W		-			3.350k	3.350k	3.350k	0.620k	4.800k	
		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.18	4.18 / A	4.18	5.48	3.33	
	ErP *6	Pdesign at -10°C kW		-	-	-	-	14.0	-	-	-	-
		Tbivalent °C		-	-	-	-	-7	-	-	-	-
		η _{sh} %		-	-	-	-	152.2	-	-	-	-
		Annual consumption kWh		-	-	-	-	-	-	-	-	-
		elbu(-10°C) kW		-	-	-	-	3.10	-	-	-	-
		Class		-	-	-	-	-	-	-	-	-
	Power factor	%		-	-	-	94	94	94	-	-	-
		dB-A (H/M/L)		47 / 40 / 34			-			-	-	-
Noise indoor *7	Power Level dB		62 / 55 / 49			-			-	-	-	
	dB-A (H/L)		-			56 / -			-	-	-	
	Noise outdoor	Power Level dB		-			74 / -			-	-	
										-	-	
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)					-			13.4 / 6.94k	13.4 / 7.29k	13.4 / 7.54k	-	
Starting current(A) (Cooling/Heating)					-			7.00 / 5.40	6.65 / 5.15	6.40 / 4.95	-	
Comp output(W)					-			3.00k	3.00k	3.00k	-	
Time Delay fuse max size(A)					-			20		-	-	
Network Impedance(ΩMAX.)					-			-		-	-	
Fan motor output (Indoor/Outdoor) W					90			120		-	-	
Moisture removal volume L/h					6.0 (6.0 ×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		-			84.0			-	-	
	Heating	m³/min		-			82.0			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg					-			R32	2.800	3.700	-	
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)					-			675	1.89	2.50	-
Product dimension	Height	mm		319			996			-	-	
	Width	mm		840			980			-	-	
	Depth	mm		840			370			-	-	
Product dimension (Panel)		H×W×D	mm		33.5 × 950 × 950			-			-	
Packing dimension	Height	mm		365			1134			-	-	
	Width	mm		898			1095			-	-	
	Depth	mm		898			529			-	-	
Weight	(NET)	kg		25			87			-	-	
	(GROSS)	kg		31			95			-	-	
	Panel (NET)	kg		5			-			-	-	
Layers limit (actually)					11 (12)			2 (3)			-	
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)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					5 ~ 50 m					-	
	Indoor unit & Outdoor unit height difference m					15 m(OD located lower) / 30 m(OD located higher)					-	
	Add gas amount g/m					45 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 η_{sc} and η_{sh} classification is at 230V(400V) only in accordance with EN-14825. For heating, η_{sh} 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)