

INDOOR		MODEL		S-5010PK4E (100)									
PANEL		POS (EAN)		5025232978489									
		MODEL											
OUTDOOR		POS (EAN)					U-100PZH4E8						
		MODEL					5025232945375						
Branch pipe		MODEL											
Performance test condition										ISO5151 / EN14511 / EN12102 / EN14825			
Power supply		Ø, Hz		1Ø 50Hz			3Ø 50Hz						
COOLING	Capacity	V		220V	230V	240V	380V	400V	415V	Min	Max		
		kW		9.5	9.5	9.5	-	-	-	3.1	10.5		
		BTU/h		32400	32400	32400	-	-	-	10600	35800		
		Sensible	kW	6.4	6.4	6.4	-	-	-	-	-		
	Latent	kW	3.1	3.1	3.1	-	-	-	-	-			
	Current	A		0.91	0.89	0.87	4.65	4.45	4.20	-	-		
	Input power	W		90	90	90	-	-	-	-	-		
		TOTAL W		-	-	-	2.79k	2.79k	2.79k	580	3.40k		
	Annual consumption	TOTAL kWh *4		-	-	-	-	1395	-	-	-		
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.41	3.41 / A	3.41	5.34	3.09		
	ErP *6	Pdesign	kW	-	-	-	-	9.5	-	-	-		
		SEER	(W/W)	-	-	-	-	6.6	-	-	-		
		Annual consumption	kWh	-	-	-	-	504	-	-	-		
		Class	-	-	-	-	-	A++	-	-	-		
	Power factor	%		-	-	-	91	91	92	-	-		
	Noise indoor *7	dB-A (H/M/L)		49/45/41			-			-	-		
		Power Level dB		65/61/57			-			-	-		
	Noise outdoor	dB-A (H/L)		-			52/-			-	-		
		Power Level dB		-			69/-			-	-		
	HEATING	Capacity	kW	9.5	9.5	9.5	-	-	-	3.1	11.5		
		BTU/h	32400	32400	32400	-	-	-	10600	39200			
Current		A	0.91	0.89	0.87	4.05	3.85	3.70	-	-			
Input power		W	90	90	90	-	-	-	-	-			
		TOTAL W	-	-	-	2.44k	2.44k	2.44k	580	3.83k			
COP/COP CLASS		TOTAL (W/W) *5/ ("A"~"G")	-	-	-	3.89	3.89 / A	3.89	5.34	3.00			
ErP *6		Pdesign at -10°C	kW	-	-	-	-	8.0	-	-	-		
		Tbivalent	°C	-	-	-	-	-10	-	-	-		
		SCOP	(W/W)	-	-	-	-	4.1	-	-	-		
		Annual consumption	kWh	-	-	-	-	2731	-	-	-		
		elbu (-10°C)	kW	-	-	-	-	-	-	-	-		
		Class	-	-	-	-	-	A+	-	-	-		
Power factor		%		-	-	-	91	91	92	-	-		
Noise indoor *7		dB-A (H/M/L)		49/45/41			-			-	-		
		Power Level dB		65/61/57			-			-	-		
Noise outdoor		dB-A (H/L)		-			52/-			-	-		
		Power Level dB		-			69/-			-	-		
LOW TEMP	Total capacity (kW)					-					-		
EXTRA LOW TEMP	Total capacity (kW) *2					-					8.90		
Max Current (A) / Max Input power (W)				0.91/90		0.89/90		0.87/90		9.90 / 6.05k	9.90 / 6.30k	9.90 / 6.50k	
Starting current (A) (Cooling/Heating)				-		-		-		4.65 / 4.05	4.45 / 3.85	4.20 / 3.70	
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				30		-		120		-			
Moisture removal volume			L/h	4.4	(4.4 ×1)	-		-		-			
External static pressure			Pa	-		-		-		-			
Indoor Air flow *7	Cooling	m³/min (H/M/L)		22.5 / 20.0 / 17.5		-		-		-	-		
	Heating	m³/min (H/M/L)		22.5 / 20.0 / 17.5		-		-		-	-		
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		295		996		-					
	Width	mm		1060		980		-					
	Depth	mm		249		370		-					
Product dimension (Panel)		H × W × D mm		-		-		-					
Packing dimension	Height	mm		314		1134		-					
	Width	mm		1168		1095		-					
	Depth	mm		383		529		-					
Mass	(NET)	kg		14		82		-					
	(GROSS)	kg		16		90		-					
	Panel	kg		-		-		-					
	(NET)	kg		-		-		-					
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		-		-					
Max Allowable Pressure MPa				4.15		-		-					
PIPING	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 ~ 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			40 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)

*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.