

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-2. Middle Static Pressure Duct Type S-1014PF3E(140) / U-140PZ3E8

INDOOR			MODEL		S-1014PF3E(140)			-			-	
PANEL			MODEL		-			-			-	
OUTDOOR			MODEL		-			U-140PZ3E8			-	
Branch pipe			MODEL		-			-			-	
Performance test condition					ISO13253 / 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	15.0	
		BTU/h		45700	45700	45700	-	-	-	11300	51200	
	Current	A		-	-	-	6.85	6.50	6.30	-	-	
		W		-	-	-	-	-	-	-	-	
	Input power	TOTAL W		-	-	-	4.240k	4.240k	4.240k	0.650k	5.860k	
		TOTAL kWh *4		-	-	-	-	2120	-	-	-	
	EER/EER CLASS TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.16	3.16 / B	3.16	5.08	2.56		
	ErP *6	Pdesign kW		-	-	-	-	13.4	-	-	-	
		η _{sc} %		-	-	-	-	251.4	-	-	-	
		Annual consumption kWh		-	-	-	-	-	-	-	-	
		Class		-	-	-	-	-	-	-	-	
	Power factor	%		-	-	-	94	94	94	-	-	
dB-A (H/M/L)		39 / 35 / 29			-			-	-			
Noise indoor *7	Power Level dB		62 / 58 / 52			-			-	-		
	dB-A (H/L)		-			56 / -			-	-		
	Noise outdoor	Power Level dB		-			74 / -			-	-	
										-	-	
H E A T I N G	Capacity	kW		13.4	13.4	13.4	-	-	-	3.4	16.0	
		BTU/h		45700	45700	45700	-	-	-	11600	54600	
	Current	A		-	-	-	5.75	5.45	5.25	-	-	
		W		-	-	-	-	-	-	-	-	
	Input power	TOTAL W		-	-	-	3.560k	3.560k	3.560k	0.650k	5.280k	
		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.76	3.76 / A	3.76	5.23	3.03	
	ErP *6	Pdesign at -10°C kW		-	-	-	-	9.5	-	-	-	
		Tbivalent °C		-	-	-	-	-10	-	-	-	
		η _{sh} %		-	-	-	-	140.6	-	-	-	
		Annual consumption kWh		-	-	-	-	-	-	-	-	
		elbu(-10°C) kW		-	-	-	-	0.00	-	-	-	
		Class		-	-	-	-	-	-	-	-	
	Power factor	%		-	-	-	94	94	94	-	-	
		dB-A (H/M/L)		39 / 35 / 29			-			-	-	
	Noise indoor *7	Power Level dB		62 / 58 / 52			-			-	-	
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)		-			-	-	6.85 / 5.75	6.50 / 5.45	6.30 / 5.25	-		
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		-			259	-	-	120	-	-		
Moisture removal volume		L/h	4.9 (4.9 ×1)			-			-	-		
External static pressure		Pa	50 (MIN10 - MAX150)			-			-	-		
Indoor Air flow *7	Cooling	m³/min (H/M/L)	36.0 / 32.0 / 25.0			-			-	-		
	Heating	m³/min (H/M/L)	36.0 / 32.0 / 25.0			-			-	-		
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 /		-			675	1.89	2.50	-	-		
	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			-	-	-	-	-		
Product dimension		Height mm	250			996			-	-		
		Width mm	1400			980			-	-		
		Depth mm	730			370			-	-		
Product dimension (Panel)		H×W×D mm	-			-			-	-		
Packing dimension		Height mm	805			1134			-	-		
		Width mm	1665			1095			-	-		
		Depth mm	340			529			-	-		
Weight	(NET) kg	39			87			-	-			
	(GROSS) kg	45			95			-	-			
	Panel (NET) kg	-			-			-	-			
Layers limit (actually)		3 (4)			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 standard installation (Horizontal installation in the ceiling, rear side air intake)

* 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) Noise of L is indicated by the values at FAN mode