

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-4. Ceiling Type S-1014PT3E(140) / U-140PZ3E8

INDOOR			MODEL		S-1014PT3E(140)			-			-	
PANEL			MODEL		-			-			-	
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		-	-	-	7.60	7.20	6.95	-	-	
		W		-	-	-	-	-	-	-	-	
	Input power	TOTAL W		-	-	-	4.700k	4.700k	4.700k	620	5.50k	
		TOTAL kWh *4		-	-	-	-	2350	-	-	-	
	EER/EER CLASS TOTAL (W/W) *5/ ("A"~"G")		-	-	-	2.98	2.98 / C	2.98	5.32	2.73		
	ErP *6	Pdesign kW		-	-	-	-	14.0	-	-	-	
		η _{sc} %		-	-	-	-	228.1	-	-	-	
		Annual consumption kWh		-	-	-	-	-	-	-	-	
		Class		-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	94	94	94	-	-
Noise indoor *7	dB-A (H/M/L)		47 / 41 / 36			-			-			
	Power Level dB		65 / 59 / 54			-			-			
	dB-A (H/L)		-			56 / -			-			
	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		-	-	-	6.10	5.80	5.60	-	-	
		W		-	-	-	-	-	-	-	-	
	Input power	TOTAL W		-	-	-	3.780k	3.780k	3.780k	620	5.20k	
		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	3.70	3.70 / A	3.70	5.48	3.08	
	ErP *6	Pdesign at -10°C kW		-	-	-	-	13.6	-	-	-	
		Tbivalent °C		-	-	-	-	-7	-	-	-	
		η _{sh} %		-	-	-	-	145.3	-	-	-	
		Annual consumption kWh		-	-	-	-	-	-	-	-	
	Noise indoor *7	elbu(-10°C) kW		-	-	-	-	2.95	-	-	-	
		Class		-	-	-	-	-	-	-	-	
Power factor		%		-	-	-	94	94	94	-		
Noise indoor *7		dB-A (H/M/L)		47 / 41 / 36			-			-		
	Power Level dB		65 / 59 / 54			-			-			
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			-			-	-	-	-	
Max Current(A) / Max Input power(W)		-			-	-	13.4 / 6.94k	13.4 / 7.29k	13.4 / 7.54k	-	-	
Starting current(A) (Cooling/Heating)		-			-	-	7.60 / 6.10	7.20 / 5.80	6.95 / 5.60	-	-	
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		-			-	-	120			-	-	
Moisture removal volume		L/h		6.9 (6.9 ×1)			-			-	-	
External static pressure		Pa		-			-			-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)		35.0 / 29.0 / 25.0			-			-	-	
	Heating	m³/min (H/M/L)		35.0 / 29.0 / 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		235			996			-	-	
	Width	mm		1590			980			-	-	
	Depth	mm		690			370			-	-	
Product dimension (Panel)		H×W×D mm		-			-			-	-	
Packing dimension	Height	mm		360			1134			-	-	
	Width	mm		1655			1095			-	-	
	Depth	mm		820			529			-	-	
Weight	(NET)	kg		40			87			-	-	
	(GROSS)	kg		49			95			-	-	
	Panel (NET)	kg		-			-			-	-	
Layers limit (actually)		-			-	-	2 (3)			-	-	
Operation condition	Cool (DBT)	-			-	-	-10°C ~ 43°C			-	-	
	Heat (DBT)	-			-	-	-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)			(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)