

# 1-1. Unit Specifications

# Single - Type

## 1-1-1. PZ3

### 1-1-1-4. Ceiling Type S-1014PT3E(100) / U-100PZ3E8

INDOOR		MODEL	S-1014PT3E(100)						-	-
PANEL		MODEL							-	-
OUTDOOR		MODEL				U-100PZ3E8			-	-
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	10.0	10.0	10.0	-	-	-	3.0	11.5
		BTU/h	34100	34100	34100	-	-	-	10200	39200
	Current	A	-	-	-	4.60	4.35	4.20	-	-
		W	-	-	-	-	-	-	-	-
	Input power	TOTAL W	-	-	-	2.750k	2.750k	2.750k	560	4.10k
		Annual consumption	TOTAL kWh *4	-	-	-	-	1375	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.64	3.64 / A	3.64	5.36	2.80
	ErP *6	Pdesign	kW	-	-	-	-	10.0	-	-
		SEER	(W/W)	-	-	-	-	6.5	-	-
		Annual consumption	kWh	-	-	-	-	537	-	-
		Class		-	-	-	-	A++	-	-
	Power factor	%	-	-	-	91	91	91	-	-
	Noise indoor *7	dB-A (H/M/L)	42 / 37 / 34						-	-
		Power Level dB	60 / 55 / 52						-	-
Noise outdoor	dB-A (H/L)				52 / -			-	-	
	Power Level dB				70 / -			-	-	
H E A T I N G	Capacity	kW	10.0	10.0	10.0	-	-	-	3.0	14.0
		BTU/h	34100	34100	34100	-	-	-	10200	47800
	Current	A	-	-	-	3.95	3.75	3.60	-	-
		W	-	-	-	-	-	-	-	-
	Input power	TOTAL W	-	-	-	2.360k	2.360k	2.360k	560	4.00k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.24	4.24 / A	4.24	5.36
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	10.0	-	-
		Tbivalent	°C	-	-	-	-	-7	-	-
		SCOP	(W/W)	-	-	-	-	4.2	-	-
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	3331	-	-
	Class		-	-	-	-	A+	-	-	
	Power factor	%	-	-	-	91	91	91	-	-
	Noise indoor *7	dB-A (H/M/L)	42 / 37 / 34						-	-
		Power Level dB	60 / 55 / 52						-	-
Noise outdoor	dB-A (H/L)				52 / -			-	-	
	Power Level dB				70 / -			-	-	
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)					11.9 / 5.99k	11.9 / 6.29k	11.9 / 6.49k			
Starting current(A) (Cooling/Heating)					4.60 / 3.95	4.35 / 3.75	4.20 / 3.60			
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		129			120					
Moisture removal volume		L/h	4.1 (4.1 ×1)							
External static pressure		Pa								
Indoor Air flow *7	Cooling	m³/min (H/M/L)	30.0 / 25.0 / 23.0						-	-
	Heating	m³/min (H/M/L)	30.0 / 25.0 / 23.0						-	-
Outdoor Air flow	Cooling	m³/min				73.0			-	-
	Heating	m³/min				73.0			-	-
Refrigerant type / amount(ship) kg / amount(max) kg					R32	2.400	3.300			
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)					675	1.62	2.23		
	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			83			-	
	(GROSS) kg		49			91			-	
	Panel (NET) kg								-	
Layers limit (actually)		9 (10)			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 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)