

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-2. Middle Static Pressure Duct Type S-3650PF3E(50) / U-50PZ3E5

INDOOR		MODEL	S-3650PF3E(50)			-			-			
PANEL		MODEL	-			-			-			
OUTDOOR		MODEL	-			U-50PZ3E5			-			
Branch pipe		MODEL	-			-			-			
Performance test condition			ISO13253 / EN14511 / EN12102 / EN14825									
Power supply			Ø, Hz		1Ø 50Hz							
			V	220V	230V	240V	220V	230V	240V	Min	Max	
C O O L I N G	Capacity	kW	5.0	5.0	5.0	-	-	-	1.5	5.3		
		BTU/h	17100	17100	17100	-	-	-	5100	18100		
	Current	A	-	-	-	8.35	8.00	7.65	-	-		
	Input power	W	-	-	-	-	-	-	-	-		
		TOTAL W	-	-	-	1.800k	1.800k	1.800k	0.320k	1.920k		
	Annual consumption	TOTAL kWh *4	-	-	-	-	900	-	-	-		
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"--G")		-	-	-	2.78	2.78 / D	2.78	4.69	2.76
	ErP *6	Pdesign	kW	-	-	-	-	5.0	-	-	-	
		SEER	(W/W)	-	-	-	-	6.5	-	-	-	
		Annual consumption	kWh	-	-	-	-	267	-	-	-	
	Class	-	-	-	-	-	A++	-	-	-		
	Power factor	%	-	-	-	98	-	98	-	-		
Noise indoor *7	dB-A (H/M/L)	34 / 30 / 25							-	-		
	Power Level dB	57 / 53 / 48							-	-		
Noise outdoor	dB-A (H/L)	-				46 / -			-	-		
	Power Level dB	-				64 / -			-	-		
H E A T I N G	Capacity	kW	5.0	5.0	5.0	-	-	-	1.5	5.9		
		BTU/h	17100	17100	17100	-	-	-	5100	20100		
	Current	A	-	-	-	6.45	6.20	5.95	-	-		
	Input power	W	-	-	-	-	-	-	-	-		
		TOTAL W	-	-	-	1.380k	1.380k	1.380k	0.280k	1.930k		
	COP/COP CLASS		TOTAL (W/W) *5/ ("A"--G")		-	-	-	3.62	3.62 / A	3.62	5.36	3.06
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	3.8	-	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	-	
		SCOP	(W/W)	-	-	-	-	4.0	-	-	-	
		Annual consumption	kWh	-	-	-	-	1303	-	-	-	
	elbu(-10°C)	kW	-	-	-	-	0.00	-	-	-		
		Class	-	-	-	-	A+	-	-	-		
	Power factor	%	-	-	-	97	97	97	-	-		
	Noise indoor *7	dB-A (H/M/L)	34 / 30 / 25							-	-	
		Power Level dB	57 / 53 / 48							-	-	
	Noise outdoor	dB-A (H/L)	-				46 / -			-	-	
		Power Level dB	-				64 / -			-	-	
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)			-	-	-	10.5 / 2.20k	10.5 / 2.25k	10.5 / 2.30k	-	-		
Starting current(A) (Cooling/Heating)			-	-	-	8.35 / 6.45	8.00 / 6.20	7.65 / 5.95	-	-		
Comp output(W)			-			1.50k	1.50k	1.50k	-	-		
Time Delay fuse max size(A)			-			15			-	-		
Network Impedance(ΩMAX.)			-			-			-	-		
Fan motor output (Indoor/Outdoor) W			107			40			-	-		
Moisture removal volume		L/h	1.9 (1.9 ×1)			-			-	-		
External static pressure		Pa	30 (MIN10 - MAX150)			-			-	-		
Indoor Air flow *7	Cooling	m³/min (H/M/L)	16.0 / 15.0 / 12.0						-	-		
	Heating	m³/min (H/M/L)	16.0 / 15.0 / 12.0						-	-		
Outdoor Air flow	Cooling	m³/min	-			32.7			-	-		
	Heating	m³/min	-			31.9			-	-		
Refrigerant type / amount(ship) kg / amount(max) kg			-			R32	1.140	1.330	-	-		
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			675	0.77	0.90	-	-		
Product dimension		Height mm	250			619			-	-		
		Width mm	800			824			-	-		
		Depth mm	730			299			-	-		
Product dimension (Panel)		H×W×D mm	-			-			-	-		
Packing dimension		Height mm	805			680			-	-		
		Width mm	1065			958			-	-		
		Depth mm	340			416			-	-		
Weight		(NET) kg	25			35			-	-		
		(GROSS) kg	30			38			-	-		
		Panel (NET) kg	-			-			-	-		
Layers limit (actually)		3 (4)			5 (6)			-	-			
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)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)			-	-		
	Pipe diameter mm (inch)		(Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)						-	-		
	Connecting method		flared type			flared type			-	-		
	Standard length m		5 m						-	-		
	Pipe length range m		3 ~ 20 m						-	-		
	Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 15 m(OD located higher)						-	-		
	Add gas amount g/m		15 g/m						-	-		
Pipe length for additional gas m		7.5 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 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) Noise of L is indicated by the values at FAN mode