

NEW
2021

nanoeX™
nanoe™ X as a standard.

NEW PACi NX Series Elite and Standard 4 way 60x60 cassette Inverter+ • R32

New 4 way 60x60 cassette - PY3.

- From 2,5 to 6,0 kW (4 capacity sizes)
- Chassis dimensions (H x W x D): 230 x 575 x 575 mm
- SEER/SCOP class A++*
- Built-in drain pump

* SCOP class A+ in case of 2,5 / 6,0 kW.

Elite			Single phase		
			3,6 kW	5,0 kW	6,0 kW
Kit					
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3,6(1,2 - 4,0)	5,0(1,2 - 5,6)	6,0(1,2 - 6,5)
EER ¹⁾		W/W	4,50	3,76	3,43
SEER²⁾			6,8 A++	6,7 A++	6,7 A++
Pdesign		kW	3,6	5,0	6,0
Input power cooling		kW	0,80	1,33	1,75
Annual energy consumption ³⁾		kWh/a			
Heating capacity	Nominal (Min - Max)	kW	4,0(1,2 - 5,0)	5,6(1,2 - 6,5)	7,0(1,2 - 7,5)
COP ¹⁾		W/W	4,12	3,37	3,35
SCOP²⁾			4,7 A++	4,6 A++	4,3 A+
Pdesign at -10 °C		kW	3,6	4,5	4,6
Input power heating		kW	0,97	1,66	2,09
Annual energy consumption ³⁾		kWh/a			
Indoor unit			S-36PY3E	S-50PY3E	S-60PY3E
Air flow	Hi / Med / Lo	m ³ /min	9,5/8,0/6,0	12,0/9,5/6,5	14,0/10,5/8,0
Moisture removal volume		L/h	1,5	2,3	2,8
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	34/30/25	39/34/27	43/37/31
Sound power	Hi / Med / Lo	dB(A)	49/45/40	54/49/42	58/52/46
Dimension	Indoor (HxWxD) Panel (HxWxD)	mm			
Net weight	Indoor / Panel	kg			
nanoe X Generator					
Outdoor unit			U-36PZH3E5	U-50PZH3E5	U-60PZH3E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool Heat	A	3,25 - 3,10 - 3,00 3,60 - 3,45 - 3,30	5,50 - 5,25 - 5,05 6,25 - 6,00 - 5,75	6,95 - 6,65 - 6,35 8,05 - 7,70 - 7,40
Air flow	Cool / Heat	m ³ /min	34,1/36,4	42,0/42,0	42,0/42,0
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	46/48	47/50
Sound power	Cool / Heat (Hi)	dB(A)	62/64	64/67	65/69
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320
Net weight		kg	42	42	43
Pipe diameter	Liquid pipe Gas pipe	Inch (mm)	1/4 (6,35) 1/2 (12,70)	1/4 (6,35) 1/2 (12,70)	1/4 (6,35) ⁵⁾ 1/2 (12,70) ⁶⁾
Pipe length range		m	3 - 40	3 - 40	3 - 40
Elevation difference (in/out) ⁷⁾		m	15/30 ⁸⁾	15/30 ⁸⁾	15/30 ⁸⁾
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	15	15	15
Refrigerant (R32) / CO ₂ Eq.		kg / T	1,13/0,76	1,13/0,76	1,15/0,78
Operating range	Cool Min ~ Max Heat Min ~ Max	°C	-15 ~ +46 -20 ~ +24	-15 ~ +46 -20 ~ +24	-15 ~ +46 -20 ~ +24

Tentative data

Compact and stylish design

- Ceiling depth is only 243 mm
- Exposed area is only 30 mm

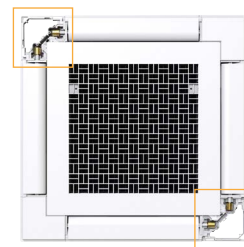
Industry-leading energy efficiency

Achieved SEER/SCOP class A++*.

* SCOP class A+ in case of 2,5 / 6,0 kW.

Individual flap control

Better control of the air flow with 2 flap motors.



SEER and SCOP: For S-36PY3E + U-36PZH3E5. ECONAVI and INTERNET CONTROL: Optional.



CZ-RTC5B

Panel.
CZ-KPY4

COMPATIBLE WITH ALL PANASONIC CONNECTIVITY SOLUTIONS. FOR DETAILED INFORMATION GO TO THE CONTROL SYSTEMS SECTION



Optional controller.
CONEX wired remote controller.
CZ-RTC6 - CZ-RTC6BL
- CZ-RTC6BLW



Optional controller.
Infrared remote controller.
CZ-RWS3 + CZ-RWRY3



Optional Econavi sensor.
CZ-CENSC1

Standard			Single phase			
			2,5 kW	3,6 kW	5,0 kW	6,0 kW
Kit						
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	2,5(1,5 - 3,9)	3,6(1,5 - 4,0)	5,0(1,5 - 5,6)	6,0(2,0 - 7,0)
EER ¹⁾		W/W	4,46	3,96	3,50	3,39
SEER²⁾			6,3 A++	6,7 A++	6,6 A++	6,6 A++
Pdesign		kW	2,5	3,6	5,0	6,0
Input power cooling		kW	0,56	0,91	1,43	1,77
Annual energy consumption ³⁾		kWh/a				
Heating capacity	Nominal (Min - Max)	kW	3,2(1,5 - 4,6)	3,6(1,5 - 4,6)	5,0(1,5 - 6,4)	6,0(1,8 - 7,0)
COP ¹⁾		W/W	4,44	4,29	3,94	3,61
SCOP²⁾			4,4 A+	4,3 A+	4,2 A+	4,1 A+
Pdesign at -10 °C		kW	2,5	2,8	4,0	4,6
Input power heating		kW	0,72	0,84	1,27	1,66
Annual energy consumption ³⁾		kWh/a				
Indoor unit			S-25PY3E	S-36PY3E	S-50PY3E	S-60PY3E
Air flow	Hi / Med / Lo	m ³ /min	8,5/7,0/6,0	9,5/8,0/6,0	12,0/9,5/6,5	14,0/10,5/8,0
Moisture removal volume		L/h	0,7	1,5	2,3	2,8
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	31/28/25	34/30/25	39/34/27	43/37/31
Sound power	Hi / Med / Lo	dB(A)	46/43/40	49/45/40	54/49/42	58/52/46
Dimension	Indoor (HxWxD) Panel (HxWxD)	mm				
Net weight	Indoor / Panel	kg				
nanoe X Generator						
Outdoor unit			U-25PZ3E5	U-36PZ3E5	U-50PZ3E5	U-60PZ3E5A
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool Heat	A		4,05 - 3,85 - 3,70 3,65 - 3,50 - 3,35	6,60 - 6,30 - 6,05 5,60 - 5,35 - 5,10	7,70 - 7,35 - 7,05 6,45 - 6,15 - 5,90
Air flow	Cool / Heat	m ³ /min		33,6/34,0	32,7/31,9	42,6/41,5
Sound pressure	Cool / Heat (Hi)	dB(A)		46/47	46/46	47/48
Sound power	Cool / Heat (Hi)	dB(A)		64/66	64/64	64/65
Dimension	HxWxD	mm		619 x 824 x 299	619 x 824 x 299	695 x 875 x 320
Net weight		kg		32	35	42
Pipe diameter	Liquid pipe Gas pipe	Inch (mm)		1/4(6,35) 1/2(12,70)	1/4(6,35) 1/2(12,70)	1/4(6,35) ⁵⁾ 1/2(12,70) ⁶⁾
Pipe length range		m		3 - 15	3 - 20	3 - 40
Elevation difference (in/out) ⁷⁾		m		15/15 ⁸⁾	15/15 ⁸⁾	15/30 ⁸⁾
Pipe length for additional gas		m		7,5	7,5	7,5
Additional gas amount		g/m		10	15	15
Refrigerant (R32) / CO ₂ Eq.		kg / T		0,87/0,59	1,14/0,77	1,15/0,78
Operating range	Cool Min ~ Max Heat Min ~ Max	°C	-10 ~ +43 -15 ~ +24	-10 ~ +43 -15 ~ +24	-10 ~ +43 -15 ~ +24	-10 ~ +43 -15 ~ +24

Tentative data

Accessories	
CZ-RTC6	CONEX wired remote controller (non-wireless)
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®
CZ-RTC6BLW	CONEX wired remote controller with Wi-Fi and Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRY3	Infrared remote controller
CZ-CAPWFC1	Commercial Wi-Fi Adaptor

Accessories	
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the ηsc / ηsh values is calculated based on EN 14825. 3) Factory setting. 4) The sound pressure of the units shows the value measured of the position 1,5 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Connect the liquid socket tube (Ø6,35-Ø9,52) to the liquid tubing side indoor unit. 6) Connect the gas socket tube (Ø12,70-Ø15,88) to the gas tubing side indoor unit. 7) When installing the outdoor unit at a higher position than the indoor unit. 8) Outdoor unit located lower / outdoor unit located higher. 9) For models 100 ~ 140PZH3E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less. * Recommended fuse for the indoor 3 A. ** Above values are in the case of nanoe™ X OFF. *** Available in Autumn 2021.



SEER: For S-36PY3E + U-36PZ3E5. SCOP: For S-25PY3E + U-25PZ3E5. ECONAVI and INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb). Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-25PY3E / U-25PZ3E5

INDOOR	MODEL	S-25PY3E						-	-
PANEL	MODEL	CZ-KPY4						-	-
OUTDOOR	MODEL				U-25PZ3E5			-	-
Branch pipe	MODEL							-	-
Performance test condition		ISO5151 / EN14511 / EN12102 / EN14825							
Power supply		1Ø 50Hz			1Ø 50Hz				
		V	220V	230V	240V	220V	230V	240V	Min Max
C O O L I N G	Capacity	kW	2.5	2.5	2.5	-	-	-	1.5 3.9
		BTU/h	8500	8500	8500	-	-	-	5100 13300
	Current	A	-	-	-	2.65	2.55	2.45	- -
		W	-	-	-	-	-	-	- -
	Input power	TOTAL W	-	-	-	0.560k	0.560k	0.560k	255 1.10k
		Annual consumption TOTAL kWh *4	-	-	-	-	280	-	- -
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.46	4.46 / A	4.46	5.88 3.55
	ErP *6	Pdesign	kW	-	-	-	2.5	-	- -
		SEER	(W/W)	-	-	-	6.5	-	- -
		Annual consumption	kWh	-	-	-	-	134	- -
		Class		-	-	-	-	A++	- -
	Power factor	%	-	-	-	96	96	96	- -
	Noise indoor *7	dB-A (H/M/L)	31/28/25						- -
		Power Level dB	46/43/40						- -
Noise outdoor	dB-A (H/L)				46/-			- -	
	Power Level dB				64/-			- -	
H E A T I N G	Capacity	kW	3.2	3.2	3.2	-	-	-	1.5 4.6
		BTU/h	10900	10900	10900	-	-	-	5100 15700
	Current	A	-	-	-	3.40	3.25	3.10	- -
		W	-	-	-	-	-	-	- -
	Input power	TOTAL W	-	-	-	0.720k	0.720k	0.720k	230 1.35k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.44	4.44 / A	4.44
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	2.8	- -
		Tbivalent	°C	-	-	-	-	-10	- -
		SCOP	(W/W)	-	-	-	-	4.6	- -
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	850	- -
	Class			-	-	-	-	A++	- -
		Power factor	%	-	-	-	97	97	97
	Noise indoor *7	dB-A (H/M/L)	31/28/25						- -
		Power Level dB	46/43/40						- -
Noise outdoor	dB-A (H/L)				47/-			- -	
	Power Level dB				66/-			- -	
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)		-	-	-	8.90 / 1.95k	8.90 / 1.99k	8.90 / 2.04k	- -	
Starting current(A) (Cooling/Heating)		-	-	-	2.65 / 3.40	2.55 / 3.25	2.45 / 3.10	- -	
Comp output(W)					1.10k	1.10k	1.10k	- -	
Time Delay fuse max size(A)					15			- -	
Network Impedance(ΩMAX.)								- -	
Fan motor output (Indoor/Outdoor) W		31			40			- -	
Moisture removal volume		L/h	0.7 (0.7 ×1)						- -
External static pressure		Pa							- -
Indoor Air flow *7	Cooling	m³/min (H/M/L)	8.5 / 7.0 / 6.0						- -
	Heating	m³/min (H/M/L)	8.5 / 7.0 / 6.0						- -
Outdoor Air flow	Cooling	m³/min				33.6			- -
	Heating	m³/min				34.0			- -
Refrigerant type / amount(ship) kg / amount(max) kg					R32	0.870	0.950	- -	
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)				675	0.59	0.64	- -	
	Product dimension	Height mm	243			619			- -
Product dimension (Panel)	Width mm	575			824			- -	
	Depth mm	575			299			- -	
	H×W×D mm	30 × 625 × 625						- -	
Packing dimension	Height mm	325			680			- -	
	Width mm	745			958			- -	
	Depth mm	700			416			- -	
Weight	(NET) kg	15			32			- -	
	(GROSS) kg	20			35			- -	
	Panel (NET) kg	2.8						- -	
Layers limit (actually)		11(12)			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)			(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 ~ 15 m			- -	
Indoor unit & Outdoor unit height difference m					15 m(OD located lower) / 15 m(OD located higher)			- -	
Add gas amount g/m					10 g/m			- -	
Pipe length for additional gas m					7.5 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)

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-36PY3E / U-36PZ3E5

INDOOR		MODEL	S-36PY3E						-	-	
PANEL		MODEL	CZ-KPY4						-	-	
OUTDOOR		MODEL	-			U-36PZ3E5			-	-	
Branch pipe		MODEL	-			-			-	-	
Performance test condition					ISO5151 / EN14511 / EN12102 / EN14825						
Power supply		Ø, Hz	1Ø 50Hz			1Ø 50Hz					
		V	220V	230V	240V	220V	230V	240V	Min	Max	
C O O L I N G	Capacity	kW	3.6	3.6	3.6	-	-	-	1.5	4.0	
		BTU/h	12300	12300	12300	-	-	-	5100	13600	
	Current	A	-	-	-	4.20	4.05	3.85	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	0.910k	0.910k	0.910k	255	1.12k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	455	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	3.96	3.96 / A	3.96	5.88	3.57	
	ErP *6	Pdesign	kW	-	-	-	-	3.6	-	-	
		SEER	(W/W)	-	-	-	-	6.7	-	-	
		Annual consumption	kWh	-	-	-	-	188	-	-	
		Class		-	-	-	-	A++	-	-	
	Power factor	%	-	-	-	98	98	98	-	-	
	Noise indoor *7	dB-A (H/M/L)		34/30/25						-	-
		Power Level dB		49/45/40						-	-
Noise outdoor	dB-A (H/L)					46/-			-	-	
	Power Level dB					64/-			-	-	
H E A T I N G	Capacity	kW	3.6	3.6	3.6	-	-	-	1.5	4.6	
		BTU/h	12300	12300	12300	-	-	-	5100	15700	
	Current	A	-	-	-	3.95	3.75	3.60	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	0.840k	0.840k	0.840k	230	1.36k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	4.29	4.29 / A	4.29	6.52	3.38
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	2.8	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	
		SCOP	(W/W)	-	-	-	-	4.3	-	-	
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	912	-	-	
	Class			-	-	-	-	A+	-	-	
		Power factor	%	-	-	-	97	97	97	-	
	Noise indoor *7	dB-A (H/M/L)		34/30/25						-	-
		Power Level dB		49/45/40						-	-
Noise outdoor	dB-A (H/L)					47/-			-	-	
	Power Level dB					66/-			-	-	
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)			-	-	-	8.90 / 1.95k	8.90 / 1.99k	8.90 / 2.04k	-	-	
Starting current(A) (Cooling/Heating)			-	-	-	4.20 / 3.95	4.05 / 3.75	3.85 / 3.60	-	-	
Comp output(W)			-	-	-	1.10k	1.10k	1.10k	-	-	
Time Delay fuse max size(A)			-	-	-	-	15	-	-	-	
Network Impedance(ΩMAX.)			-	-	-	-	-	-	-	-	
Fan motor output (Indoor/Outdoor) W			31			40			-	-	
Moisture removal volume		L/h	1.5 (1.5 ×1)						-	-	
External static pressure		Pa							-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)	9.5 / 7.5 / 6.0						-	-	
	Heating	m³/min (H/M/L)	9.5 / 7.5 / 6.0						-	-	
Outdoor Air flow	Cooling	m³/min				33.6			-	-	
	Heating	m³/min				34.0			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg						R32	0.870	0.950	-	-	
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)					675	0.59	0.64	-	-	
	Product dimension	Height mm	243			619			-	-	
Product dimension (Panel)	Width mm	575			824			-	-		
	Depth mm	575			299			-	-		
	H×W×D mm	30 × 625 × 625						-	-		
Packing dimension	Height mm	325			680			-	-		
	Width mm	745			958			-	-		
	Depth mm	700			416			-	-		
Weight	(NET) kg	15			32			-	-		
	(GROSS) kg	20			35			-	-		
	Panel (NET) kg	2.8						-	-		
Layers limit (actually)			11(12)			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 ~ 15 m						-	-	
Indoor unit & Outdoor unit height difference m			15 m(OD located lower) / 15 m(OD located higher)						-	-	
Add gas amount g/m			10 g/m						-	-	
Pipe length for additional gas m			7.5 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)

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-50PY3E / U-50PZ3E5

INDOOR		MODEL	S-50PY3E								
PANEL		MODEL	CZ-KPY4								
OUTDOOR		MODEL				U-50PZ3E5					
Branch pipe		MODEL									
Performance test condition			ISO5151 / EN14511 / EN12102 / EN14825								
Power supply		Ø, Hz	1Ø 50Hz			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	5.6	
		BTU/h	17100	17100	17100	-	-	-	5100	19100	
	Current	A	-	-	-	6.65	6.35	6.10	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.430k	1.430k	1.430k	240	1.85k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	715	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.50	3.50 / A	3.50	6.25	3.03	
	ErP *6	Pdesign	kW	-	-	-	-	5.0	-	-	
		SEER	(W/W)	-	-	-	-	7.3	-	-	
		Annual consumption	kWh	-	-	-	-	238	-	-	
		Class		-	-	-	-	A++	-	-	
	Power factor	%	-	-	-	98	98	98	-	-	
	Noise indoor *7	dB-A (H/M/L)		39/34/27						-	-
		Power Level dB		54/49/42						-	-
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	6.4	
		BTU/h	17100	17100	17100	-	-	-	5100	21800	
	Current	A	-	-	-	5.95	5.70	5.45	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.270k	1.270k	1.270k	200	2.20k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.94	3.94 / A	3.94	7.50	2.91
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	4.0	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	
		SCOP	(W/W)	-	-	-	-	4.4	-	-	
		Annual consumption	kWh	-	-	-	-	1264	-	-	
		elbu(-10°C)	kW	-	-	-	-	0.00	-	-	
	Class		-	-	-	-	A+	-	-		
	Power factor	%	-	-	-	97	97	97	-	-	
	Noise indoor *7	dB-A (H/M/L)		39/34/27						-	-
Power Level dB			54/49/42						-	-	
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)				-	-	-	6.65 / 5.95	6.35 / 5.70	6.10 / 5.45	-	
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				-	31	-	40	-	-	-	
Moisture removal volume		L/h	2.3 (2.3 ×1)						-	-	
External static pressure		Pa							-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)	12.0 / 9.5 / 6.5						-	-	
	Heating	m³/min (H/M/L)	12.0 / 9.5 / 6.5						-	-	
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	243			619			-	-
		Width mm	575			824			-	-	
		Depth mm	575			299			-	-	
Product dimension (Panel)		H×W×D mm	30 × 625 × 625						-	-	
		Height mm	325			680			-	-	
		Width mm	745			958			-	-	
		Depth mm	700			416			-	-	
		(NET) kg	15			35			-	-	
		(GROSS) kg	20			38			-	-	
		Panel (NET) kg	2.8						-	-	
Layers limit (actually)				11(12)			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)			(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 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)

1-1. Unit Specifications

Single - Type

1-1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-60PY3E / U-60PZ3E5A

INDOOR		MODEL	S-60PY3E						-	-
PANEL		MODEL	CZ-KPY4						-	-
OUTDOOR		MODEL				U-60PZ3E5A			-	-
Branch pipe		MODEL							-	-
Performance test condition		ISO5151 / EN14511 / EN12102 / EN14825								
Power supply		Ø, Hz	1Ø 50Hz			1Ø 50Hz				
		V	220V	230V	240V	220V	230V	240V	Min	Max
C O O L I N G	Capacity	kW	6.0	6.0	6.0	-	-	-	2.0	7.0
		BTU/h	20500	20500	20500	-	-	-	6800	23900
	Current	A	-	-	-	8.20	7.85	7.55	-	-
		W	-	-	-	-	-	-	-	-
	Input power	TOTAL W	-	-	-	1.770k	1.770k	1.770k	290	2.53k
		Annual consumption	TOTAL kWh *4	-	-	-	-	885	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.39	3.39 / A	3.39	6.90	2.77
	ErP *6	Pdesign	kW	-	-	-	-	6.0	-	-
		SEER	(W/W)	-	-	-	-	6.8	-	-
		Annual consumption	kWh	-	-	-	-	305	-	-
		Class		-	-	-	-	A++	-	-
	Power factor	%	-	-	-	98	98	98	-	-
Noise indoor *7	dB-A (H/M/L)	43/37/31						-	-	
	Power Level dB	58/52/46						-	-	
Noise outdoor	dB-A (H/L)				47/-			-	-	
	Power Level dB				64/-			-	-	
H E A T I N G	Capacity	kW	6.0	6.0	6.0	-	-	-	1.8	7.0
		BTU/h	20500	20500	20500	-	-	-	6100	23900
	Current	A	-	-	-	7.70	7.35	7.05	-	-
		W	-	-	-	-	-	-	-	-
	Input power	TOTAL W	-	-	-	1.660k	1.660k	1.660k	240	2.45k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.61	3.61 / A	3.61	7.50
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	4.6	-	-
		Tbivalent	°C	-	-	-	-	-10	-	-
		SCOP	(W/W)	-	-	-	-	4.2	-	-
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	1500	-	-
	Class		-	-	-	-	A+	-	-	
	Power factor	%	-	-	-	98	98	98	-	-
Noise indoor *7	dB-A (H/M/L)	43/37/31						-	-	
	Power Level dB	58/52/46						-	-	
Noise outdoor	dB-A (H/L)				48/-			-	-	
	Power Level dB				65/-			-	-	
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)					13.1 / 2.60k	13.1 / 2.65k	13.1 / 2.70k			
Starting current(A) (Cooling/Heating)					8.20 / 7.70	7.85 / 7.35	7.55 / 7.05			
Comp output(W)					1.70k	1.70k	1.70k			
Time Delay fuse max size(A)					20					
Network Impedance(ΩMAX.)										
Fan motor output (Indoor/Outdoor) W		31			40					
Moisture removal volume		L/h	2.8 (2.8 ×1)							
External static pressure		Pa								
Indoor Air flow *7	Cooling	m³/min (H/M/L)	14.0 / 10.5 / 8.0						-	-
	Heating	m³/min (H/M/L)	14.0 / 10.5 / 8.0						-	-
Outdoor Air flow	Cooling	m³/min				42.6			-	-
	Heating	m³/min				41.5			-	-
Refrigerant type / amount(ship) kg / amount(max) kg					R32	1.150	1.300			
F-Gas	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)	GWP /					675	0.78	0.88	-
										-
Product dimension	Height	mm	243			695				
	Width	mm	575			875				
	Depth	mm	575			320				
Product dimension (Panel)		H×W×D	mm 30 × 625 × 625							
Packing dimension	Height	mm	325			761				
	Width	mm	745			1049				
	Depth	mm	700			460				
Weight	(NET)	kg	15			42				
	(GROSS)	kg	20			46				
	Panel (NET)	kg	2.8							
Layers limit (actually)		11(12)			3(4)					
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 E N G	Pipe port diameter mm (inch)	(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)					
	Pipe diameter mm (inch)	(Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)								
			*Connect the gas socket tube(Ø12.7-Ø15.88) to the gas tubing side indoor unit							
			*Connect the liquid socket tube(Ø6.35-Ø9.52) to the liquid tubing side indoor unit							
	Connecting method		flared type			flared type				
	Standard length m		5 m							
	Pipe length range m		3 ~ 40 m							
Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 30 m(OD located higher)								
Add gas amount g/m		15 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)

1-1. Unit Specifications

Simultaneous (Twin) - Type

1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-50PY3E ×2 / U-100PZ3E5

INDOOR		MODEL	S-50PY3E ×2								
PANEL		MODEL	CZ-KPY4								
OUTDOOR		MODEL				U-100PZ3E5					
Branch pipe		MODEL				CZ-P155BK1					
Performance test condition			ISO5151 / EN14511 / EN12102 / EN14825								
Power supply		Ø, Hz	1Ø 50Hz			1Ø 50Hz					
		V	220V	230V	240V	220V	230V	240V	Min	Max	
C O O L I N G	Capacity	kW	10.0	10.0	10.0	-	-	-	3.0	11.0	
		BTU/h	34100	34100	34100	-	-	-	10200	37500	
	Current	A	0.32 ×2	0.30 ×2	0.29 ×2	15.0	14.3	13.7	-	-	
		W	34 ×2	34 ×2	34 ×2	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	3.000k	3.000k	3.000k	560	4.52k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	1500	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.33	3.33 / A	3.33	5.36	2.43	
	ErP *6	Pdesign	kW	-	-	-	-	10.0	-	-	
		SEER	(W/W)	-	-	-	-	6.2	-	-	
		Annual consumption	kWh	-	-	-	-	562	-	-	
		Class		-	-	-	-	A++	-	-	
	Power factor	%	-	-	-	91	91	91	-	-	
	Noise indoor *7	dB-A (H/M/L)		39/34/27						-	-
		Power Level dB		54/49/42						-	-
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	12.4	
		BTU/h	34100	34100	34100	-	-	-	10200	42300	
	Current	A	0.30 ×2	0.28 ×2	0.27 ×2	12.7	12.1	11.6	-	-	
		W	32 ×2	32 ×2	32 ×2	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	2.650k	2.650k	2.650k	560	4.00k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.77	3.77 / A	3.77	5.36	3.10
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	10.0	-	-	
		Tbivalent	°C	-	-	-	-	-7	-	-	
		SCOP	(W/W)	-	-	-	-	3.8	-	-	
		Annual consumption	kWh	-	-	-	-	3665	-	-	
	elbu(-10°C)	kW	-	-	-	-	1.69	-	-	-	
		Class		-	-	-	-	A	-	-	
	Power factor	%	-	-	-	95	95	95	-	-	
	Noise indoor *7	dB-A (H/M/L)		39/34/27						-	-
Power Level dB			54/49/42						-	-	
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)			0.35/45 ×2	0.35/45 ×2	0.35/45 ×2	27.9 / 5.69k	27.9 / 5.94k	27.9 / 6.14k			
Starting current(A) (Cooling/Heating)			-	-	-	15.0 / 12.7	14.3 / 12.1	13.7 / 11.6			
Comp output(W)						2.50k		2.50k			
Time Delay fuse max size(A)						35					
Network Impedance(ΩMAX.)											
Fan motor output (Indoor/Outdoor) W			31			120					
Moisture removal volume		L/h	4.6 (2.3 ×2)								
External static pressure		Pa									
Indoor Air flow *7	Cooling	m³/min (H/M/L)	12.0 ×2 / 9.5 ×2 / 6.5 ×2								
	Heating	m³/min (H/M/L)	12.0 ×2 / 9.5 ×2 / 6.5 ×2								
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	243			996					
	Width	mm	575			980					
	Depth	mm	575			370					
Product dimension (Panel)		H×W×D	mm 30 × 625 × 625								
Packing dimension	Height	mm	325			1134					
	Width	mm	745			1095					
	Depth	mm	700			529					
Weight	(NET)	kg	15			83					
	(GROSS)	kg	20			91					
	Panel (NET)	kg	2.8								
Layers limit (actually)			11(12)			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)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(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)

1-1. Unit Specifications

1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-60PY3E ×2 / U-125PZ3E5

Simultaneous (Twin) - Type

INDOOR		MODEL	S-60PY3E ×2						-	-
PANEL		MODEL	CZ-KPY4						-	-
OUTDOOR		MODEL				U-125PZ3E5			-	-
Branch pipe		MODEL				CZ-P155BK1			-	-
Performance test condition		ISO5151 / EN14511 / EN12102 / EN14825								
Power supply		∅, Hz	1∅ 50Hz			1∅ 50Hz				
		V	220V	230V	240V	220V	230V	240V	Min	Max
C O O L I N G	Capacity	kW	12.5	12.5	12.5	-	-	-	3.2	13.2
		BTU/h	42700	42700	42700	-	-	-	10900	45000
	Current	A	0.41 ×2	0.39 ×2	0.38 ×2	19.8	19.0	18.2	-	-
		W	48 ×2	48 ×2	48 ×2	-	-	-	-	-
	Input power	TOTAL W	-	-	-	4.100k	4.100k	4.100k	600	5.60k
		Annual consumption	TOTAL kWh *4	-	-	-	-	2050	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.05	3.05 / B	3.05	5.33	2.36
	ErP *6	Pdesign	kW	-	-	-	-	12.5	-	-
		η _{sc}	%	-	-	-	-	229.0	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-
Class		-	-	-	-	-	-	-	-	
Power factor	%	-	-	-	94	94	94	-	-	
Noise indoor *7	dB-A (H/M/L)	43/37/31						-	-	
	Power Level dB	58/52/46						-	-	
Noise outdoor	dB-A (H/L)				55/-			-	-	
	Power Level dB				73/-			-	-	
H E A T I N G	Capacity	kW	12.5	12.5	12.5	-	-	-	3.3	15.0
		BTU/h	42700	42700	42700	-	-	-	11300	51200
	Current	A	0.39 ×2	0.37 ×2	0.36 ×2	16.9	16.2	15.5	-	-
		W	46 ×2	46 ×2	46 ×2	-	-	-	-	-
	Input power	TOTAL W	-	-	-	3.500k	3.500k	3.500k	600	4.95k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.57	3.57 / B	3.57	5.50
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	12.5	-	-
		Tbivalent	°C	-	-	-	-	-7	-	-
		η _{sh}	%	-	-	-	-	139.0	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-
elbu(-10°C)		kW	-	-	-	-	2.40	-	-	
Class		-	-	-	-	-	-	-	-	
Power factor	%	-	-	-	94	94	94	-	-	
Noise indoor *7	dB-A (H/M/L)	43/37/31						-	-	
	Power Level dB	58/52/46						-	-	
Noise outdoor	dB-A (H/L)				55/-			-	-	
	Power Level dB				73/-			-	-	
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)		0.47/62 ×2	0.46/62 ×2	0.45/62 ×2	31.9 / 6.44k	31.9 / 6.74k	31.9 / 7.04k	-	-	
Starting current(A) (Cooling/Heating)		-	-	-	19.8 / 16.9	19.0 / 16.2	18.2 / 15.5	-	-	
Comp output(W)					2.80k	2.80k	2.80k	-	-	
Time Delay fuse max size(A)					40			-	-	
Network Impedance(ΩMAX.)								-	-	
Fan motor output (Indoor/Outdoor) W		31			120			-	-	
Moisture removal volume		L/h	5.6 (2.8 ×2)						-	-
External static pressure		Pa							-	-
Indoor Air flow *7	Cooling	m³/min (H/M/L)	14.0 ×2 / 10.5 ×2 / 8.0 ×2						-	-
	Heating	m³/min (H/M/L)	14.0 ×2 / 10.5 ×2 / 8.0 ×2						-	-
Outdoor Air flow	Cooling	m³/min				82.0			-	-
	Heating	m³/min				80.0			-	-
Refrigerant type / amount(ship) kg / amount(max) kg					R32	2.800	3.700	-	-	
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)				675	1.89	2.50	-	-	
	Product dimension	Height mm	243			996			-	-
	Width mm	575			980			-	-	
	Depth mm	575			370			-	-	
Product dimension (Panel)		H×W×D mm	30 × 625 × 625						-	-
Packing dimension	Height mm	325			1134			-	-	
	Width mm	745			1095			-	-	
	Depth mm	700			529			-	-	
Weight	(NET) kg	15			87			-	-	
	(GROSS) kg	20			95			-	-	
	Panel (NET) kg	2.8						-	-	
Layers limit (actually)		11(12)			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)∅9.52(3/8) (Gas)∅15.88(5/8)			(Liquid)∅9.52(3/8) (Gas)∅15.88(5/8)			-	-	
	Pipe diameter mm (inch)				(Liquid)∅9.52(3/8) (Gas)∅15.88(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)

1-1. Unit Specifications

Simultaneous (Twin) - Type

1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-50PY3E ×2 / U-100PZ3E8

INDOOR		MODEL	S-50PY3E ×2							
PANEL		MODEL	CZ-KPY4							
OUTDOOR		MODEL				U-100PZ3E8				
Branch pipe		MODEL				CZ-P155BK1				
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	11.0
		BTU/h	34100	34100	34100	-	-	-	10200	37500
	Current	A	0.32 ×2	0.30 ×2	0.29 ×2	5.00	4.75	4.60	-	-
		W	34 ×2	34 ×2	34 ×2	-	-	-	-	-
	Input power	TOTAL W	-	-	-	3.000k	3.000k	3.000k	560	4.52k
		Annual consumption	TOTAL kWh *4	-	-	-	-	1500	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.33	3.33 / A	3.33	5.36	2.43
	ErP *6	Pdesign	kW	-	-	-	-	10.0	-	-
		SEER	(W/W)	-	-	-	-	6.1	-	-
		Annual consumption	kWh	-	-	-	-	569	-	-
Class			-	-	-	-	A++	-	-	
	Power factor	%	-	-	-	91	91	91	-	-
Noise indoor *7	dB-A (H/M/L)		39/34/27						-	-
	Power Level dB		54/49/42						-	-
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	12.4
		BTU/h	34100	34100	34100	-	-	-	10200	42300
	Current	A	0.30 ×2	0.28 ×2	0.27 ×2	4.35	4.10	3.95	-	-
		W	32 ×2	32 ×2	32 ×2	-	-	-	-	-
	Input power	TOTAL W	-	-	-	2.650k	2.650k	2.650k	560	4.00k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.77	3.77 / A	3.77	5.36
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	10.0	-	-
		Tbivalent	°C	-	-	-	-	-7	-	-
		SCOP	(W/W)	-	-	-	-	3.8	-	-
		Annual consumption	kWh	-	-	-	-	3665	-	-
elbu(-10°C)		kW	-	-	-	-	1.69	-	-	
Class			-	-	-	-	A	-	-	
	Power factor	%	-	-	-	93	93	93	-	-
Noise indoor *7	dB-A (H/M/L)		39/34/27						-	-
	Power Level dB		54/49/42						-	-
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)			0.35/45 ×2	0.35/45 ×2	0.35/45 ×2	11.9 / 5.99k	11.9 / 6.29k	11.9 / 6.49k	-	-
Starting current(A) (Cooling/Heating)			-	-	-	5.00 / 4.35	4.75 / 4.10	4.60 / 3.95	-	-
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			31			120			-	-
Moisture removal volume			L/h			4.6 (2.3 ×2)			-	-
External static pressure			Pa						-	-
Indoor Air flow *7	Cooling	m³/min (H/M/L)	12.0 ×2 / 9.5 ×2 / 6.5 ×2						-	-
	Heating	m³/min (H/M/L)	12.0 ×2 / 9.5 ×2 / 6.5 ×2						-	-
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	243			996			-
		Width mm	575			980			-	-
		Depth mm	575			370			-	-
Product dimension (Panel)		H×W×D mm	30 × 625 × 625						-	-
Packing dimension	Height mm	325			1134			-	-	
	Width mm	745			1095			-	-	
	Depth mm	700			529			-	-	
Weight	(NET) kg	15			83			-	-	
	(GROSS) kg	20			91			-	-	
	Panel (NET) kg	2.8						-	-	
Layers limit (actually)			11(12)			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)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(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)

1-1. Unit Specifications

Simultaneous (Twin) - Type

1-1. PZ3

1-1-1-5. 4-Way Cassette 60 × 60 Type S-60PY3E ×2 / U-125PZ3E8

INDOOR		MODEL	S-60PY3E ×2						-	-	
PANEL		MODEL	CZ-KPY4						-	-	
OUTDOOR		MODEL				U-125PZ3E8			-	-	
Branch pipe		MODEL				CZ-P155BK1			-	-	
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	12.5	12.5	12.5	-	-	-	3.2	13.2	
		BTU/h	42700	42700	42700	-	-	-	10900	45000	
	Current	A	0.41 ×2	0.39 ×2	0.38 ×2	6.65	6.30	6.05	-	-	
		W	48 ×2	48 ×2	48 ×2	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	4.100k	4.100k	4.100k	600	5.60k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	2050	-	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"- "G")	-	-	-	3.05	3.05 / B	3.05	5.33	2.36	
	ErP *6	Pdesign	kW	-	-	-	-	12.5	-	-	-
		η _{sc}	%	-	-	-	-	227.8	-	-	-
		Annual consumption	kWh	-	-	-	-	-	-	-	-
Class			-	-	-	-	-	-	-	-	
Power factor	%	-	-	-	94	94	94	-	-		
Noise indoor *7	dB-A (H/M/L)	43/37/31						-	-		
	Power Level dB	58/52/46						-	-		
Noise outdoor	dB-A (H/L)				55/-			-	-		
	Power Level dB				73/-			-	-		
H E A T I N G	Capacity	kW	12.5	12.5	12.5	-	-	-	3.3	15.0	
		BTU/h	42700	42700	42700	-	-	-	11300	51200	
	Current	A	0.39 ×2	0.37 ×2	0.36 ×2	5.65	5.35	5.20	-	-	
		W	46 ×2	46 ×2	46 ×2	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	3.500k	3.500k	3.500k	600	4.95k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"- "G")	-	-	-	3.57	3.57 / B	3.57	5.50	3.03
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	12.5	-	-	-
		Tbivalent	°C	-	-	-	-	-7	-	-	-
		η _{sh}	%	-	-	-	-	139.0	-	-	-
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	-	-	-	-
Class		-	-	-	-	-	-	-	-		
Power factor	%	-	-	-	94	94	94	-	-		
Noise indoor *7	dB-A (H/M/L)	43/37/31						-	-		
	Power Level dB	58/52/46						-	-		
Noise outdoor	dB-A (H/L)				55/-			-	-		
	Power Level dB				73/-			-	-		
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)		0.47/62 ×2	0.46/62 ×2	0.45/62 ×2	12.9 / 6.64k	12.9 / 6.94k	12.9 / 7.19k	-	-		
Starting current(A) (Cooling/Heating)		-	-	-	6.65 / 5.65	6.30 / 5.35	6.05 / 5.20	-	-		
Comp output(W)					2.80k	2.80k	2.80k	-	-		
Time Delay fuse max size(A)					20			-	-		
Network Impedance(ΩMAX.)								-	-		
Fan motor output (Indoor/Outdoor) W		31			120			-	-		
Moisture removal volume		L/h	5.6 (2.8 ×2)						-	-	
External static pressure		Pa							-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)	14.0 ×2 / 10.5 ×2 / 8.0 ×2						-	-	
	Heating	m³/min (H/M/L)	14.0 ×2 / 10.5 ×2 / 8.0 ×2						-	-	
Outdoor Air flow	Cooling	m³/min				82.0			-	-	
	Heating	m³/min				80.0			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg					R32	2.800	3.700	-	-		
F-Gas	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)				675	1.89	2.50	-	-		
	Product dimension	Height mm	243			996			-	-	
	Width mm	575			980			-	-		
	Depth mm	575			370			-	-		
Product dimension (Panel)		H×W×D mm	30 × 625 × 625						-	-	
Packing dimension	Height mm	325			1134			-	-		
	Width mm	745			1095			-	-		
	Depth mm	700			529			-	-		
Weight	(NET) kg	15			87			-	-		
	(GROSS) kg	20			95			-	-		
	Panel (NET) kg	2.8						-	-		
Layers limit (actually)		11(12)			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)			(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.

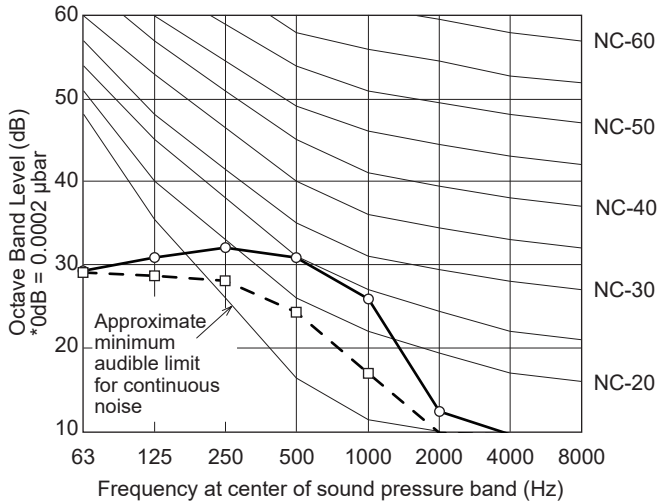
*5 EER and COP classification is at 230V(400V) only in accordance with EU directive 2002/31/EC.

*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.

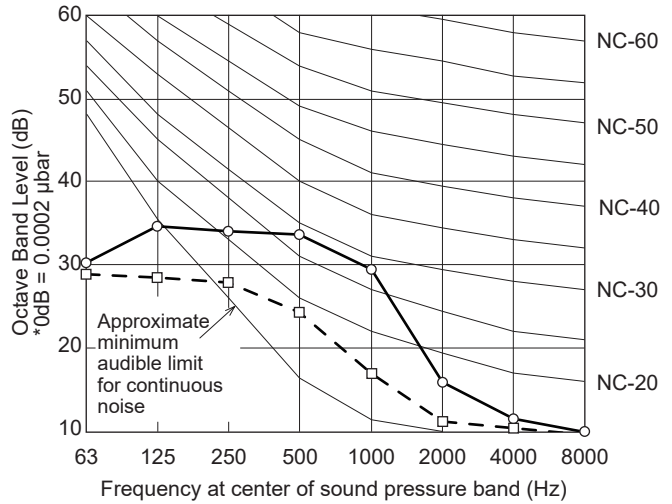
*7 H:High at setting 5 stage (Level 5), M:Middle at setting 5 stage (Level 3), L:Low at setting 5 stage (Level 1)

1-6-1-5. 4-Way Cassette 60 × 60 Type

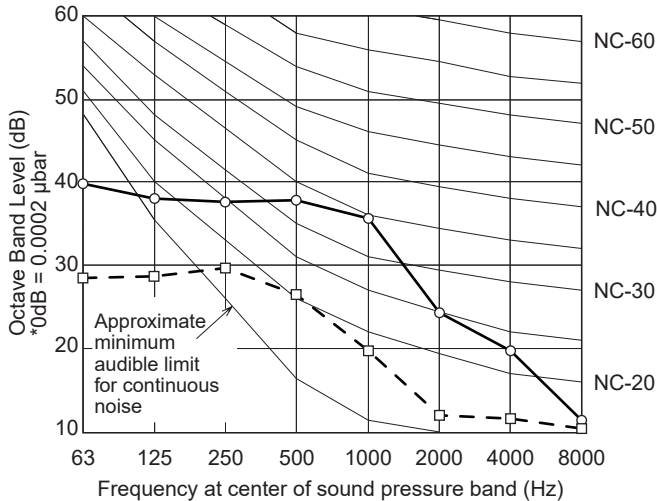
MODEL	: S-25PY3E
SOUND LEVEL	: High 31 dB(A) Low 25 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



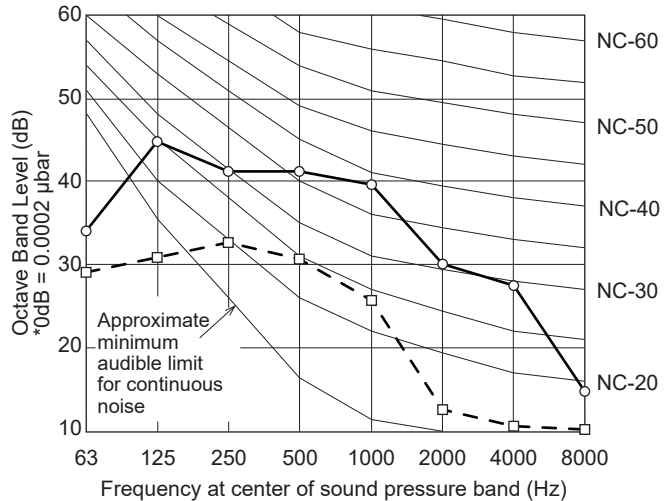
MODEL	: S-36PY3E
SOUND LEVEL	: High 34 dB(A) Low 25dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-50PY3E
SOUND LEVEL	: High 39 dB(A) Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

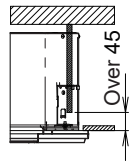
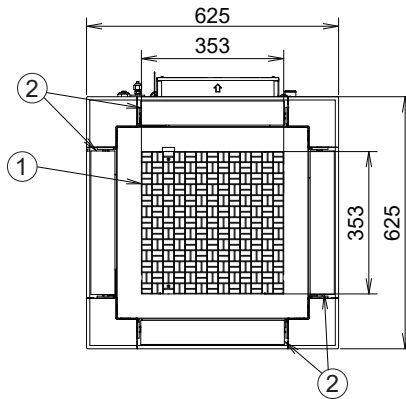
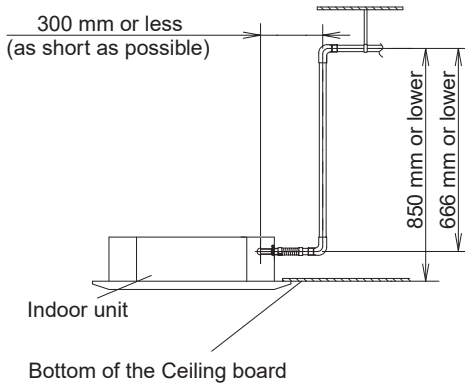
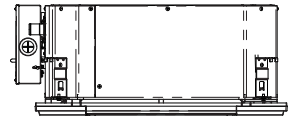
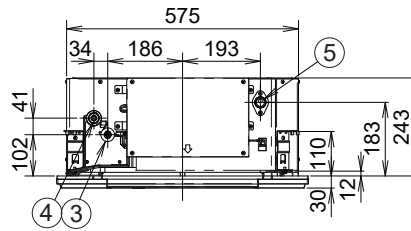
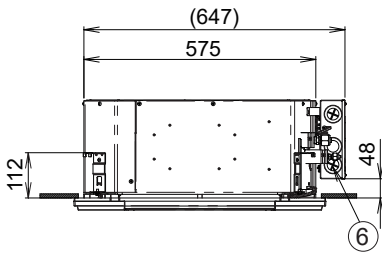
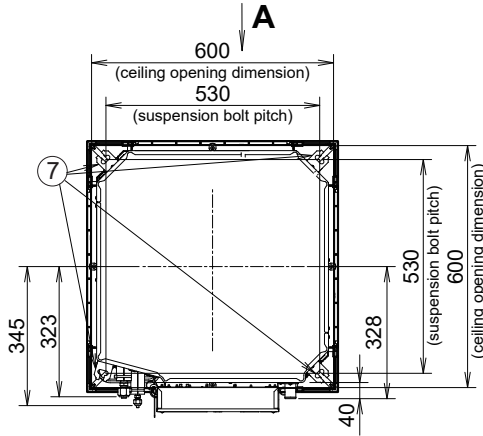
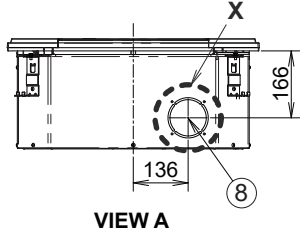


MODEL	: S-60PY3E
SOUND LEVEL	: High 43 dB(A) Low 31 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



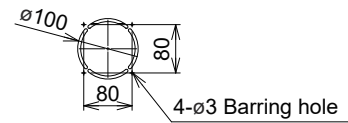
1-2-1-5. 4-Way Cassette 60 × 60 Type S-25PY3E, S-36PY3E, S-50PY3E, S-60PY3E

unit: mm



* Length of supplied drain pipe = 250 mm

①	Air intake grille
②	Air outlet
③	Refrigerant piping (liquid pipe) 25,36,50:ø6.35 (flared) 60:ø9.52 (flared) *1
④	Refrigerant piping (gas pipe) 25,36,50:ø12.7 (flared) 60:ø15.88 (flared) *2
⑤	Drain tube connection port VP20
⑥	Power supply entry
⑦	Suspension bolt hole (4-11 × 26 slot)
⑧	Fresh air intake duct connection port (ø100) *3



Detailed view X

*1 When connecting with U-60PZ3E5A or U-60PZH3E5, connect the liquid socket tube (ø9.52-ø6.35) to the liquid tubing side indoor unit.

*2 When connecting with U-60PZ3E5A or U-60PZH3E5, connect the gas socket tube (ø15.88-ø12.7) to the gas tubing side indoor unit.

*3 Necessary to attach duct connecting flange (field supply).

<Filter dimension>
362 × 362 × 15