

NEW  
2021

**nanoe™ X**  
nanoe™ X as a standard.

## NEW PACi NX Series Elite 4 way 90x90 cassette Inverter+ • R32

### New 4 way 90x90 cassette - PU3.

Powerful turbo fan and intelligent Econavi sensor ensure high energy efficiency, and nanoe™ X which is equipped as standard provides an exceptional level of indoor air quality.

		Single phase							
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
Kit			KIT-36PU3ZH5	KIT-50PU3ZH5	KIT-60PU3ZH5	KIT-71PU3ZH5	KIT-100PU3ZH5	KIT-125PU3ZH5	KIT-140PU3ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	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 - 7,1)	7,1(2,2 - 9,0)	10,0(3,1 - 12,5)	12,5(3,2 - 14,0)	14,0(3,3 - 16,0)
EER <sup>1)</sup>		W/W	5,45	4,31	4,05	4,06	4,41	3,80	3,41
SEER / η <sub>sc</sub> <sup>2)</sup>			<b>8,9 A+++</b>	<b>8,6 A+++</b>	<b>8,0 A++</b>	<b>7,7 A++</b>	<b>7,8 A++</b>	<b>304,3 %</b>	<b>286,6 %</b>
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Input power cooling		kW	0,66	1,16	1,48	1,75	2,27	3,29	4,11
Annual energy consumption <sup>3)</sup>		kWh/a	142	203	263	323	449	—	—
Heating capacity	Nominal (Min - Max)	kW	4,0(1,2 - 5,0)	5,6(1,2 - 6,5)	7,0(1,2 - 8,0)	8,0(2,0 - 9,0)	11,2(3,1 - 14,0)	14,0(3,2 - 16,0)	16,0(3,3 - 18,0)
COP <sup>1)</sup>		W/W	5,41	4,24	4,02	4,30	5,00	4,61	4,30
SCOP / η <sub>sc</sub> <sup>2)</sup>			<b>5,1 A+++</b>	<b>4,9 A++</b>	<b>4,8 A++</b>	<b>4,8 A++</b>	<b>4,9 A++</b>	<b>186,0 %</b>	<b>181,2 %</b>
Pdesign at -10 °C		kW	3,6	4,5	4,7	5,2	8,0	9,5	10,6
Input power heating		kW	0,74	1,32	1,74	1,86	2,24	3,04	3,72
Annual energy consumption <sup>3)</sup>		kWh/a	988	1286	1371	1517	2286	—	—
<b>Indoor unit</b>			<b>S-3650PU3E</b>	<b>S-3650PU3E</b>	<b>S-6071PU3E</b>	<b>S-6071PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>
Air flow	Hi / Med / Lo	m <sup>3</sup> /min	14,5/13,0/11,5	16,5/13,5/11,5	21,0/16,0/13,0	22,0/16,0/13,0	36,0/26,0/18,0	37,0/27,0/19,0	38,0/29,0/20,0
Moisture removal volume		L/h	0,7	1,6	1,7	2,5	2,7	4,8	6,0
Sound pressure <sup>4)</sup>	Hi / Med / Lo	dB(A)	30/28/27	32/29/27	36/31/28	37/31/28	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB(A)	45/43/42	47/44/42	51/46/43	52/46/43	60/53/47	61/54/48	62/55/49
Dimension	Indoor (HxWxD)	mm	256x840x840	256x840x840	256x840x840	256x840x840	319x840x840	319x840x840	319x840x840
	Panel (HxWxD)	mm	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950
Net weight	Indoor / Panel	kg	19/5	19/5	20/5	20/5	25/5	25/5	25/5
nanoe X Generator			Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1
<b>Outdoor unit</b>			<b>U-36PZH3E5</b>	<b>U-50PZH3E5</b>	<b>U-60PZH3E5</b>	<b>U-71PZH3E5</b>	<b>U-100PZH3E5</b>	<b>U-125PZH3E5</b>	<b>U-140PZH3E5</b>
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3,25 - 3,10 - 3,00	5,50 - 5,25 - 5,05	6,95 - 6,65 - 6,35	8,65 - 8,25 - 7,95	11,20 - 10,70 - 10,30	16,10 - 15,40 - 14,70	20,10 - 19,20 - 18,40
	Heat	A	3,60 - 3,45 - 3,30	6,25 - 6,00 - 5,75	8,05 - 7,70 - 7,40	9,00 - 8,70 - 8,35	10,90 - 10,60 - 10,10	14,90 - 14,20 - 13,60	18,20 - 17,40 - 16,70
Air flow	Cool / Heat	m <sup>3</sup> /min	34,1/36,4	42,0/42,0	42,0/42,0	61,0/60,0	118,0/108,0	125,0/112,0	129,0/116,0
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	46/48	47/50	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB(A)	62/64	64/67	65/69	65/67	69/69	70/70	71/71
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320	996x940x340	1416x940x340	1416x940x340	1416x940x340
Net weight		kg	42	42	43	65	98	98	98
Pipe diameter	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) <sup>5)</sup>	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) <sup>6)</sup>	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3~40	3~40	3~40	5~50	5~85	5~85	5~85
Elevation difference (in/out) <sup>7)</sup>		m	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	15	15	15	45	45	45	45
Refrigerant (R32) / CO <sub>2</sub> , Eq.		kg / T	1,13/0,76	1,13/0,76	1,15/0,78	1,95/1,32	3,05/2,06	3,05/2,06	3,05/2,06
Operating range	Cool Min - Max	°C	-15~+46	-15~+46	-15~+46	-15~+48	-20~+48 <sup>9)</sup>	-20~+48 <sup>9)</sup>	-20~+48 <sup>9)</sup>
	Heat Min - Max	°C	-20~+24	-20~+24	-20~+24	-20~+24	-20~+24	-20~+24	-20~+24

### Technical focus

- High performance turbo fan, path system for heat exchanger
- Econavi: An optional intelligent sensor to reduce waste of energy
- nanoe™ X (Generator Mark 1= 4,8 trillion hydroxyl radicals/sec) as standard for better indoor air quality, indoor unit internal cleaning with nanoe™ X and dry operation
- Lower noise in slow fan operation
- Light weight, easy piping and integrated drain pump for quick installation
- Wired remote control CZ-RTC6BL allows easy system setting via Bluetooth®
- High volume fresh air input with optional air-intake plenum and chamber (CZ-FDU3+CZ-ATU2)



Standard panel.  
CZ-KPU3W

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



Optional Econavi panel (CZ-RTC5B is required). CZ-KPU3AW



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



Optional controller. Infrared remote controller. CZ-RWS3 + CZ-RWRU3W

			Three phase			
			7,1 kW	10,0 kW	12,5 kW	14,0 kW
Kit			KIT-71PU3ZH8	KIT-100PU3ZH8	KIT-125PU3ZH8	KIT-140PU3ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	7,1 [2,2 - 9,0]	10,0 [3,1 - 12,5]	12,5 [3,2 - 14,0]	14,0 [3,3 - 16,0]
EER <sup>1)</sup>		W/W	4,06	4,41	3,80	3,41
SEER / η <sub>sc</sub> <sup>2)</sup>			<b>7,6 A++</b>	<b>7,7 A++</b>	<b>303,3 %</b>	<b>285,6 %</b>
P <sub>design</sub>		kW	7,1	10,0	12,5	14,0
Input power cooling		kW	1,75	2,27	3,29	4,11
Annual energy consumption <sup>3)</sup>		kWh/a	327	455	—	—
Heating capacity	Nominal (Min - Max)	kW	8,0 [2,0 - 9,0]	11,2 [3,1 - 14,0]	14,0 [3,2 - 16,0]	16,0 [3,3 - 18,0]
COP <sup>1)</sup>		W/W	4,30	5,00	4,61	4,30
SCOP / η <sub>sc</sub> <sup>2)</sup>			<b>4,8 A++</b>	<b>4,9 A++</b>	<b>186,0 %</b>	<b>181,1 %</b>
P <sub>design</sub> at -10 °C		kW	5,2	8,0	9,5	10,6
Input power heating		kW	1,86	2,24	3,04	3,72
Annual energy consumption <sup>3)</sup>		kWh/a	1517	2286	—	—
<b>Indoor unit</b>			<b>S-6071PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>
Air flow	Hi / Med / Lo	m <sup>3</sup> /min	22,0/16,0/13,0	36,0/26,0/18,0	37,0/27,0/19,0	38,0/29,0/20,0
Moisture removal volume		L/h	2,5	2,7	4,8	6,0
Sound pressure <sup>4)</sup>	Hi / Med / Lo	dB(A)	37/31/28	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB(A)	52/46/43	60/53/47	61/54/48	62/55/49
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20/5	25/5	25/5	25/5
nanoe X Generator			Mark 1	Mark 1	Mark 1	Mark 1
<b>Outdoor unit</b>			<b>U-71PZH3E8</b>	<b>U-100PZH3E8</b>	<b>U-125PZH3E8</b>	<b>U-140PZH3E8</b>
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	2,90 - 2,80 - 2,70	3,80 - 3,60 - 3,45	5,45 - 5,15 - 5,00	6,80 - 6,45 - 6,20
	Heat	A	3,05 - 2,95 - 2,85	3,75 - 3,55 - 3,40	5,10 - 4,80 - 4,65	6,20 - 5,90 - 5,65
Air flow	Cool / Heat	m <sup>3</sup> /min	61,0/60,0	118,0/108,0	125,0/112,0	129,0/116,0
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB(A)	65/67	69/69	70/70	71/71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	65	98	98	98
Pipe diameter	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 - 50	5 - 85	5 - 85	5 - 85
Elevation difference (in/out) <sup>7)</sup>		m	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,95/1,32	3,05/2,06	3,05/2,06	3,05/2,06
Operating range	Cool Min ~ Max	°C	-15 ~ +48	-20 ~ +48 <sup>9)</sup>	-20 ~ +48 <sup>9)</sup>	-20 ~ +48 <sup>9)</sup>
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

#### Accessories

<b>CZ-RTC6</b>	CONEX wired remote controller (non-wireless)
<b>CZ-RTC6BL</b>	CONEX wired remote controller with Bluetooth®
<b>CZ-RTC6BLW</b>	CONEX wired remote controller with Wi-Fi and Bluetooth®
<b>CZ-RTC5B</b>	Wired remote controller with Econavi function and datanavi
<b>CZ-RWS3 + CZ-RWRU3W</b>	Infrared remote controller
<b>CZ-CAPWFC1</b>	Commercial Wi-Fi Adaptor

#### Accessories

<b>CZ-KPU3AW</b>	Econavi exclusive panel
<b>PAW-PACR3</b>	Interfaces to run 3 units on Backup and alternative run
<b>PAW-WTRAY</b>	Tray for condenser water compatible with outdoor elevation platform
<b>PAW-GRDBSE20</b>	Outdoor base ground support for noise and vibration absorption
<b>PAW-GRDSTD40</b>	Outdoor elevation platform 400 x 900 x 400 mm
<b>CZ-FDU3+CZ-ATU2</b>	Fresh air-intake kit

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 η<sub>sc</sub> / η<sub>sh</sub> 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.



SEER and SCOP: For S-3650PU3E + U-36PZH3E5. 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](http://www.aircon.panasonic.eu) or [www.ptc.panasonic.eu](http://www.ptc.panasonic.eu).

NEW  
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nanoe™ X as a standard.

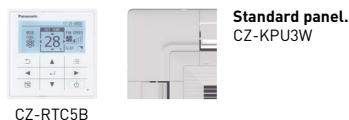
**NEW PACi NX Series Standard 4 way 90x90 cassette  
Inverter+ • R32**
**New 4 way 90x90 cassette - PU3.**

Powerful turbo fan and intelligent Econavi sensor ensure high energy efficiency, and nanoe™ X which is equipped as standard provides an exceptional level of indoor air quality.

		Single phase							
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
Kit			KIT-36PU3Z5	KIT-50PU3Z5	KIT-60PU3Z5	KIT-71PU3Z5	KIT-100PU3Z5	KIT-125PU3Z5	KIT-140PU3Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3,6(1,5 - 4,0)	5,0(1,5 - 5,6)	6,0(2,0 - 7,1)	7,1(2,6 - 7,7)	10,0(3,0 - 11,5)	12,5(3,2 - 13,5)	14,0(3,3 - 15,0)
EER <sup>1)</sup>	Nominal (Min - Max)	W/W	4,34	3,91	3,73	3,27	3,82(5,36 - 2,88)	3,58(5,33 - 2,81)	3,23(5,32 - 2,73)
SEER / η <sub>sc</sub> <sup>2)</sup>			<b>8,1 A++</b>	<b>8,0 A++</b>	<b>7,8 A++</b>	<b>6,8 A++</b>	<b>6,8 A++</b>	<b>267,0 %</b>	<b>257,0 %</b>
P <sub>design</sub>		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Input power cooling	Nominal (Min - Max)	kW	0,83	1,28	1,61	2,17	2,62(0,56 - 4,00)	3,49(0,60 - 4,80)	4,34(0,62 - 5,50)
Annual energy consumption <sup>3)</sup>		kWh/a	156	219	269	365	515	—	—
Heating capacity	Nominal (Min - Max)	kW	3,6(1,5 - 4,6)	5,0(1,5 - 6,4)	6,0(1,8 - 7,0)	7,1(2,1 - 8,1)	10,0(3,0 - 14,0)	12,5(3,3 - 15,0)	14,0(3,4 - 16,0)
COP <sup>1)</sup>	Nominal (Min - Max)	W/W	5,07	4,63	4,48	4,23	4,93(5,36 - 3,59)	4,43(5,50 - 3,57)	4,18(5,48 - 3,33)
SCOP / η <sub>sc</sub> <sup>2)</sup>			<b>4,8 A++</b>	<b>4,7 A++</b>	<b>4,9 A++</b>	<b>4,6 A++</b>	<b>4,4 A+</b>	<b>157,0 %</b>	<b>152,2 %</b>
P <sub>design</sub> at -10 °C		kW	2,8	4,0	4,6	5,2	10,0	12,5	14,0 (at -7 °C)
Input power heating	Nominal (Min - Max)	kW	0,71	1,08	1,34	1,68	2,03(0,56 - 3,90)	2,82(0,60 - 4,20)	3,35(0,62 - 4,80)
Annual energy consumption <sup>3)</sup>		kWh/a	817	1191	1314	1583	3182	—	—
<b>Indoor unit</b>			<b>S-3650PU3E</b>	<b>S-3650PU3E</b>	<b>S-6071PU3E</b>	<b>S-6071PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>
Air flow	Hi / Med / Lo	m <sup>3</sup> /min	14,5/13,0/11,5	16,5/13,5/11,5	21,0/16,0/13,0	22,0/16,0/13,0	36,0/26,0/18,0	37,0/27,0/19,0	38,0/29,0/20,0
Moisture removal volume		L/h	0,7	1,6	1,7	2,5	2,7	4,8	6,0
Sound pressure <sup>4)</sup>	Hi / Med / Lo	dB(A)	30/28/27	32/29/27	36/31/28	37/31/28	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB(A)	45/43/42	47/44/42	51/46/43	52/46/43	60/53/47	61/54/48	62/55/49
Dimension	Indoor (HxWxD)	mm	256x840x840	256x840x840	256x840x840	256x840x840	319x840x840	319x840x840	319x840x840
	Panel (HxWxD)	mm	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950	33,5x950x950
Net weight	Indoor / Panel	kg	19/5	19/5	20/5	20/5	25/5	25/5	25/5
nanoe X Generator			Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1
<b>Outdoor unit</b>			<b>U-36PZ3E5</b>	<b>U-50PZ3E5</b>	<b>U-60PZ3E5A</b>	<b>U-71PZ3E5A</b>	<b>U-100PZ3E5</b>	<b>U-125PZ3E5</b>	<b>U-140PZ3E5</b>
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3,85 - 3,70 - 3,55	5,95 - 5,70 - 5,45	7,45 - 7,15 - 6,85	10,00 - 9,65 - 9,25	13,10 - 12,50 - 12,00	16,90 - 16,10 - 15,40	21,00 - 20,00 - 19,20
	Heat	A	3,35 - 3,20 - 3,05	5,05 - 4,85 - 4,65	6,20 - 5,95 - 5,70	7,80 - 7,45 - 7,15	10,10 - 9,70 - 9,30	13,60 - 13,00 - 12,50	16,20 - 15,50 - 14,80
Air flow	Cool / Heat	m <sup>3</sup> /min	33,6/34,0	32,7/31,9	42,6/41,5	44,7/45,9	73,0/73,0	82,0/80,0	84,0/82,0
Sound pressure	Cool / Heat (Hi)	dB(A)	46/47	46/46	47/48	48/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB(A)	64/66	64/64	64/65	66/68	70/70	73/73	74/74
Dimension	HxWxD	mm	619x824x299	619x824x299	695x875x320	695x875x320	996x980x370	996x980x370	996x980x370
Net weight		kg	32	35	42	50	83	87	87
Pipe diameter	Liquid pipe	Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35) <sup>5)</sup>	1/4(6,35) <sup>5)</sup>	3/8(9,52)	3/8(9,52)	3/8(9,52)
	Gas pipe	Inch (mm)	1/2(12,70)	1/2(12,70)	1/2(12,70) <sup>6)</sup>	5/8(15,88)	5/8(15,88)	5/8(15,88)	5/8(15,88)
Pipe length range		m	3 - 15	3 - 20	3 - 40	3 - 40	5 - 50	5 - 50	5 - 50
Elevation difference (in/out) <sup>7)</sup>		m	15/15 <sup>8)</sup>	15/15 <sup>8)</sup>	15/30 <sup>8)</sup>	20/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>
Pipe length for additional gas		m	7,5	7,5	30	30	30	30	30
Additional gas amount		g/m	10	15	15	17	45	45	45
Refrigerant (R32) / CO <sub>2</sub> , Eq.		kg / T	0,87/0,59	1,14/0,77	1,15/0,78	1,32/0,89	2,40/1,62	2,80/1,89	2,80/1,89
Operating range	Cool Min - Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min - Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

**Technical focus**

- High performance turbo fan, path system for heat exchanger
- Econavi: An optional intelligent sensor to reduce waste of energy
- nanoe™ X (Generator Mark 1= 4,8 trillion hydroxyl radicals/sec) as standard for better indoor air quality, indoor unit internal cleaning with nanoe™ X and dry operation
- Lower noise in slow fan operation
- Light weight, easy piping and integrated drain pump for quick installation
- Wired remote control CZ-RTC6BL allows easy system setting via Bluetooth®
- High volume fresh air input with optional air-intake plenum and chamber (CZ-FDU3+CZ-ATU2)



Standard panel.  
CZ-KPU3W

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



Optional Econavi panel (CZ-RTC5B is required). CZ-KPU3AW



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



Optional controller. Infrared remote controller. CZ-RWS3 + CZ-RWRU3W

			Three phase		
			10,0 kW	12,5 kW	14,0 kW
Kit			KIT-100PU3Z8	KIT-125PU3Z8	KIT-140PU3Z8
Remote controller			CZ-RTC5B		
Cooling capacity	Nominal (Min - Max)	kW	10,0(3,0 - 11,5)	12,5(3,2 - 13,5)	14,0(3,3 - 15,0)
EER <sup>1)</sup>	Nominal (Min - Max)	W/W	3,82(5,36 - 2,88)	3,58(5,33 - 2,81)	3,23(5,32 - 2,73)
SEER / η <sub>sc</sub> <sup>2)</sup>			6,7 A++	265,8 %	256,2 %
P <sub>design</sub>		kW	10,0	12,5	14,0
Input power cooling	Nominal (Min - Max)	kW	2,62(0,56 - 4,00)	3,49(0,60 - 4,80)	4,34(0,62 - 5,50)
Annual energy consumption <sup>3)</sup>		kWh/a	521	—	—
Heating capacity	Nominal (Min - Max)	kW	10,0(3,0 - 14,0)	12,5(3,3 - 15,0)	14,0(3,4 - 16,0)
COP <sup>1)</sup>	Nominal (Min - Max)	W/W	4,93(5,36 - 3,59)	4,43(5,50 - 3,57)	4,18(5,48 - 3,33)
SCOP / η <sub>sc</sub> <sup>2)</sup>			4,4 A+	157,0 %	152,2 %
P <sub>design</sub> at -10 °C		kW	10,0	12,5	14,0 (at -7 °C)
Input power heating	Nominal (Min - Max)	kW	2,03(0,56 - 3,90)	2,82(0,60 - 4,20)	3,35(0,62 - 4,80)
Annual energy consumption <sup>3)</sup>		kWh/a	3182	—	—
<b>Indoor unit</b>			<b>S-1014PU3E</b>	<b>S-1014PU3E</b>	<b>S-1014PU3E</b>
Air flow	Hi / Med / Lo	m <sup>3</sup> /min	36,0/26,0/18,0	37,0/27,0/19,0	38,0/29,0/20,0
Moisture removal volume		L/h	2,7	4,8	6,0
Sound pressure <sup>4)</sup>	Hi / Med / Lo	dB(A)	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB(A)	60/53/47	61/54/48	62/55/49
Dimension	Indoor (HxWxD)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (HxWxD)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	25/5	25/5	25/5
nanoe X Generator			Mark 1	Mark 1	Mark 1
<b>Outdoor unit</b>			<b>U-100PZ3E8</b>	<b>U-125PZ3E8</b>	<b>U-140PZ3E8</b>
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4,35 - 4,15 - 4,00	5,65 - 5,35 - 5,15	7,00 - 6,65 - 6,40
	Heat	A	3,40 - 3,20 - 3,10	4,55 - 4,35 - 4,15	5,40 - 5,15 - 4,95
Air flow	Cool / Heat	m <sup>3</sup> /min	73,0/73,0	82,0/80,0	84,0/82,0
Sound pressure	Cool / Heat (Hi)	dB(A)	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB(A)	70/70	73/73	74/74
Dimension	HxWxD	mm	996x980x370	996x980x370	996x980x370
Net weight		kg	83	87	87
Pipe diameter	Liquid pipe	Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)
	Gas pipe	Inch (mm)	5/8(15,88)	5/8(15,88)	5/8(15,88)
Pipe length range		m	5 - 50	5 - 50	5 - 50
Elevation difference (in/out) <sup>7)</sup>		m	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>	15/30 <sup>8)</sup>
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	2,40/1,62	2,80/1,89	2,80/1,89
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

#### Accessories

<b>CZ-RTC6</b>	CONEX wired remote controller (non-wireless)
<b>CZ-RTC6BL</b>	CONEX wired remote controller with Bluetooth®
<b>CZ-RTC6BLW</b>	CONEX wired remote controller with Wi-Fi and Bluetooth®
<b>CZ-RTC5B</b>	Wired remote controller with Econavi function and datanavi
<b>CZ-RWS3 + CZ-RWRU3W</b>	Infrared remote controller
<b>CZ-CAPWFC1</b>	Commercial Wi-Fi Adaptor

#### Accessories

<b>CZ-KPU3AW</b>	Econavi exclusive panel
<b>PAW-PACR3</b>	Interfaces to run 3 units on Backup and alternative run
<b>PAW-WTRAY</b>	Tray for condenser water compatible with outdoor elevation platform
<b>PAW-GRDBSE20</b>	Outdoor base ground support for noise and vibration absorption
<b>PAW-GRDSTD40</b>	Outdoor elevation platform 400x900x400 mm
<b>CZ-FDU3+CZ-ATU2</b>	Fresh air-intake kit

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 η<sub>sc</sub> / η<sub>sh</sub> 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. \* Recommended fuse for the indoor 3 A. \*\* Above values are in the case of nanoe™ X OFF.



SEER: For S-3650PU3E + U-36PZ3E5. SCOP: For S-6071PU3E + U-60PZ3E5A. 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

## 1-1-1-1. 4-Way Cassette Type S-3650PU3E(36) / U-36PZ3E5

INDOOR		MODEL	S-3650PU3E(36)								
PANEL		MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW								
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	-	-	-	3.85	3.70	3.55	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	0.830k	0.830k	0.830k	0.255k	1.050k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	415	-	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.34	4.34 / A	4.34	5.88	3.81	
	ErP *6	Pdesign	kW	-	-	-	-	3.6	-	-	-
		SEER	(W/W)	-	-	-	-	8.1	-	-	-
		Annual consumption	kWh	-	-	-	-	156	-	-	-
Class			-	-	-	-	A++	-	-	-	
Power factor	%	-	-	-	98	98	98	-	-		
Noise indoor *7	dB-A (H/M/L)		30 / 28 / 27						-	-	
	Power Level dB		45 / 43 / 42						-	-	
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	-	-	-	3.35	3.20	3.05	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	0.710k	0.710k	0.710k	0.230k	1.060k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	5.07	5.07 / A	5.07	6.52	4.34
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	2.8	-	-	-
		Tbivalent	°C	-	-	-	-	-10	-	-	-
		SCOP	(W/W)	-	-	-	-	4.8	-	-	-
		Annual consumption	kWh	-	-	-	-	817	-	-	-
elbu(-10°C)	kW	-	-	-	-	0.00	-	-	-	-	
	Class		-	-	-	-	A++	-	-	-	
Power factor	%	-	-	-	97	97	97	-	-		
Noise indoor *7	dB-A (H/M/L)		30 / 28 / 27						-	-	
	Power Level dB		45 / 43 / 42						-	-	
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)				-	-	-	3.85 / 3.35	3.70 / 3.20	3.55 / 3.05	-	
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				60	-	-	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)	14.5 / 13.0 / 11.5						-	-	
	Heating	m³/min (H/M/L)	14.5 / 13.0 / 11.5						-	-	
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	256			619			-	-
Width		mm	840			824			-	-	
Depth		mm	840			299			-	-	
Product dimension (Panel)		H×W×D	mm 33.5 × 950 × 950						-	-	
Packing dimension	Height	mm	302			680			-	-	
	Width	mm	898			958			-	-	
	Depth	mm	898			416			-	-	
Weight	(NET)	kg	19			32			-	-	
	(GROSS)	kg	25			35			-	-	
	Panel (NET)	kg	5			-			-	-	
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

### 1-1-1-1. 4-Way Cassette Type S-3650PU3E(50) / U-50PZ3E5

INDOOR	MODEL	S-3650PU3E(50)			-			-	
PANEL	MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW			-			-	
OUTDOOR	MODEL	-			U-50PZ3E5			-	
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	5.0	5.0	5.0	-	-	-	1.5 5.6
		BTU/h	17100	17100	17100	-	-	-	5100 19100
	Current	A	-	-	-	5.95	5.70	5.45	-
		W	-	-	-	-	-	-	-
	Input power	TOTAL W	-	-	-	1.280k	1.280k	1.280k	0.240k 1.750k
		Annual consumption TOTAL kWh *4	-	-	-	-	640	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.91	3.91 / A	3.91	6.25 3.20
	ErP *6	Pdesign	kW	-	-	-	5.0	-	-
		SEER	(W/W)	-	-	-	8.0	-	-
		Annual consumption	kWh	-	-	-	219	-	-
Class			-	-	-	A++	-	-	
Power factor	%	-	-	-	98	98	98	-	
Noise indoor *7	dB-A (H/M/L)	32 / 29 / 27			-			-	
	Power Level dB	47 / 44 / 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	-	-	-	5.05	4.85	4.65	-
		W	-	-	-	-	-	-	-
	Input power	TOTAL W	-	-	-	1.080k	1.080k	1.080k	0.200k 1.840k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.63	4.63 / A	4.63
	ErP *6	Pdesign at -10°C	kW	-	-	-	4.0	-	-
		Tbivalent	°C	-	-	-	-10	-	-
		SCOP	(W/W)	-	-	-	4.7	-	-
		Annual consumption elbu(-10°C)	kWh	-	-	-	1191	-	-
Class			-	-	-	A++	-	-	
	Power factor	%	-	-	-	97	97	97	-
Noise indoor *7	dB-A (H/M/L)	32 / 29 / 27			-			-	
	Power Level dB	47 / 44 / 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)		-			5.95 / 5.05	5.70 / 4.85	5.45 / 4.65	-	
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		60			40			-	
Moisture removal volume		L/h	1.6 (1.6 ×1)			-			
External static pressure		Pa	-			-			
Indoor Air flow *7	Cooling	m³/min (H/M/L)	16.5 / 13.5 / 11.5			-			
	Heating	m³/min (H/M/L)	16.5 / 13.5 / 11.5			-			
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	256			619			
	Width mm	840			824				
	Depth mm	840			299				
Product dimension (Panel)		H×W×D mm	33.5 × 950 × 950			-			
Packing dimension	Height mm	302			680				
	Width mm	898			958				
	Depth mm	898			416				
Weight	(NET) kg	19			35				
	(GROSS) kg	25			38				
	Panel (NET) kg	5			-				
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 ~ 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

## 1-1-1-1. 4-Way Cassette Type S-6071PU3E(60) / U-60PZ3E5A

INDOOR		MODEL	S-6071PU3E(60)								
PANEL		MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW								
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	7.1	
		BTU/h	20500	20500	20500	-	-	-	6800	24200	
	Current	A	-	-	-	7.45	7.15	6.85	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.610k	1.610k	1.610k	0.290k	2.360k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	805	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.73	3.73 / A	3.73	6.90	3.01	
	ErP *6	Pdesign	kW	-	-	-	-	6.0	-	-	
		SEER	(W/W)	-	-	-	-	7.8	-	-	
		Annual consumption	kWh	-	-	-	-	269	-	-	
		Class		-	-	-	-	A++	-	-	
	Power factor	%	-	-	-	98	98	98	-	-	
	Noise indoor *7	dB-A (H/M/L)		36 / 31 / 28						-	-
		Power Level dB		51 / 46 / 43						-	-
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	-	-	-	6.20	5.95	5.70	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.340k	1.340k	1.340k	0.240k	2.200k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.48	4.48 / A	4.48	7.50	3.18
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	4.6	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	
		SCOP	(W/W)	-	-	-	-	4.9	-	-	
		Annual consumption	kWh	-	-	-	-	1314	-	-	
		elbu(-10°C)	kW	-	-	-	-	0.00	-	-	
	Class		-	-	-	-	A++	-	-		
	Power factor	%	-	-	-	98	98	98	-	-	
	Noise indoor *7	dB-A (H/M/L)		36 / 31 / 28						-	-
Power Level dB			51 / 46 / 43						-	-	
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)						7.45 / 6.20	7.15 / 5.95	6.85 / 5.70			
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			60			40					
Moisture removal volume			L/h			1.7 (1.7 ×1)					
External static pressure			Pa								
Indoor Air flow *7	Cooling	m³/min (H/M/L)	21.0 / 16.0 / 13.0						-	-	
	Heating	m³/min (H/M/L)	21.0 / 16.0 / 13.0						-	-	
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	GWP / CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)					675	0.78	0.88			
Product dimension	Height	mm	256			695					
	Width	mm	840			875					
	Depth	mm	840			320					
Product dimension (Panel)		H×W×D	mm 33.5 × 950 × 950								
Packing dimension	Height	mm	302			761					
	Width	mm	898			1049					
	Depth	mm	898			460					
Weight	(NET)	kg	20			42					
	(GROSS)	kg	26			46					
	Panel (NET)	kg	5								
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 I 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(Ø15.88-Ø12.7) to the gas tubing side indoor unit *Connect the liquid socket tube(Ø9.52-Ø6.35) 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

Single - Type

1-1-1. PZ3

1-1-1-1. 4-Way Cassette Type S-6071PU3E(71) / U-71PZ3E5A

INDOOR		MODEL	S-6071PU3E(71)						-	-	
PANEL		MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW						-	-	
OUTDOOR		MODEL				U-71PZ3E5A			-	-	
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	7.1	7.1	7.1	-	-	-	2.6	7.7	
		BTU/h	24200	24200	24200	-	-	-	8900	26300	
	Current	A	-	-	-	10.0	9.65	9.25	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	2.170k	2.170k	2.170k	0.520k	2.780k	
		Annual consumption	TOTAL kWh *4	-	-	-	-	1085	-	-	-
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	3.27	3.27 / A	3.27	5.00	2.77	
	ErP *6	Pdesign	kW	-	-	-	-	7.1	-	-	-
		SEER	(W/W)	-	-	-	-	6.8	-	-	-
		Annual consumption	kWh	-	-	-	-	365	-	-	-
Class			-	-	-	-	A++	-	-	-	
Power factor	%	-	-	-	98	98	98	-	-		
Noise indoor *7	dB-A (H/M/L)	37 / 31 / 28						-	-	-	
	Power Level dB	52 / 46 / 43						-	-	-	
Noise outdoor	dB-A (H/L)				48 / -			-	-	-	
	Power Level dB				66 / -			-	-	-	
H E A T I N G	Capacity	kW	7.1	7.1	7.1	-	-	-	2.1	8.1	
		BTU/h	24200	24200	24200	-	-	-	7200	27600	
	Current	A	-	-	-	7.80	7.45	7.15	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	1.680k	1.680k	1.680k	0.330k	2.400k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-G)	-	-	-	4.23	4.23 / A	4.23	6.36	3.38
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	5.2	-	-	-
		Tbivalent	°C	-	-	-	-	-10	-	-	-
		SCOP	(W/W)	-	-	-	-	4.6	-	-	-
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	1583	-	-	-
Power factor	%	-	-	-	98	98	98	-	-		
	Noise indoor *7	dB-A (H/M/L)	37 / 31 / 28						-	-	
Power Level dB		52 / 46 / 43						-	-	-	
Noise outdoor	dB-A (H/L)				49 / -			-	-	-	
	Power Level dB				68 / -			-	-	-	
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)					14.8 / 3.02k	14.8 / 3.12k	14.8 / 3.22k				
Starting current(A) (Cooling/Heating)					10.0 / 7.80	9.65 / 7.45	9.25 / 7.15				
Comp output(W)					2.00k	2.00k	2.00k				
Time Delay fuse max size(A)					20						
Network Impedance(ΩMAX.)											
Fan motor output (Indoor/Outdoor) W		60			40						
Moisture removal volume		L/h	2.5 (2.5 ×1)								
External static pressure		Pa									
Indoor Air flow *7	Cooling	m³/min (H/M/L)	22.0 / 16.0 / 13.0						-	-	
	Heating	m³/min (H/M/L)	22.0 / 16.0 / 13.0						-	-	
Outdoor Air flow	Cooling	m³/min				44.7			-	-	
	Heating	m³/min				45.9			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg					R32	1.320	1.490				
F-Gas	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)	GWP /									
				-	675	0.89	1.01				
Product dimension	Height	mm	256			695					
	Width	mm	840			875					
	Depth	mm	840			320					
Product dimension (Panel)		H×W×D	mm 33.5 × 950 × 950								
Packing dimension	Height	mm	302			761					
	Width	mm	898			1049					
	Depth	mm	898			460					
Weight	(NET)	kg	20			50					
	(GROSS)	kg	26			54					
	Panel (NET)	kg	5								
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 I N G	Pipe port diameter mm (inch)	(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø6.35(1/4) (Gas)Ø15.88(5/8)						
	Pipe diameter mm (inch)	(Liquid)Ø6.35(1/4) (Gas)Ø15.88(5/8)			*Connect the liquid socket tube(Ø9.52-Ø6.35) 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		20 m(OD located lower) / 30 m(OD located higher)									
Add gas amount g/m		17 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

## Single - Type

## 1-1-1. PZ3

## 1-1-1-1. 4-Way Cassette Type S-1014PU3E(100) / U-100PZ3E5

INDOOR		MODEL	S-1014PU3E(100)								
PANEL		MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW								
OUTDOOR		MODEL				U-100PZ3E5					
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	10.0	10.0	10.0	-	-	-	3.0	11.5	
		BTU/h	34100	34100	34100	-	-	-	10200	39200	
	Current	A	-	-	-	13.1	12.5	12.0	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	2.620k	2.620k	2.620k	0.560k	4.000k	
		Annual consumption TOTAL kWh *4	-	-	-	-	1310	-	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	3.82	3.82 / A	3.82	5.36	2.88	
	ErP *6	Pdesign	kW	-	-	-	-	10.0	-	-	
		SEER	(W/W)	-	-	-	-	6.8	-	-	
		Annual consumption	kWh	-	-	-	-	515	-	-	
		Class		-	-	-	-	A++	-	-	
	Power factor	%	-	-	-	91	91	91	-	-	
Noise indoor *7	dB-A (H/M/L)		45 / 38 / 32						-	-	
	Power Level dB		60 / 53 / 47						-	-	
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	-	-	-	10.1	9.70	9.30	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	2.030k	2.030k	2.030k	0.560k	3.900k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	4.93	4.93 / A	4.93	5.36	3.59
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	10.0	-	-	
		Tbivalent	°C	-	-	-	-	-10	-	-	
		SCOP	(W/W)	-	-	-	-	4.4	-	-	
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	3182	-	-	
	Class		-	-	-	-	A+	-	-		
	Power factor	%	-	-	-	91	91	91	-	-	
Noise indoor *7	dB-A (H/M/L)		45 / 38 / 32						-	-	
	Power Level dB		60 / 53 / 47						-	-	
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)						27.9 / 5.69k	27.9 / 5.94k	27.9 / 6.14k	-	-	
Starting current(A) (Cooling/Heating)						13.0 / 10.1	12.5 / 9.70	12.0 / 9.30	-	-	
Comp output(W)						2.50k	2.50k	2.50k	-	-	
Time Delay fuse max size(A)						-	35	-	-	-	
Network Impedance(ΩMAX.)						-	-	-	-	-	
Fan motor output (Indoor/Outdoor) W			90			120			-	-	
Moisture removal volume			L/h			2.7 (2.7 ×1)			-	-	
External static pressure			Pa						-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)	36.0 / 26.0 / 18.0						-	-	
	Heating	m³/min (H/M/L)	36.0 / 26.0 / 18.0						-	-	
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			319			996	-	
		Width mm			840			980	-		
		Depth mm			840			370	-		
Product dimension (Panel)		H×W×D mm			33.5 × 950 × 950			-	-		
Packing dimension	Height mm		365			1134			-		
	Width mm		898			1095			-		
	Depth mm		898			529			-		
Weight	(NET) kg		25			83			-		
	(GROSS) kg		31			91			-		
	Panel (NET) kg		5			-			-		
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)						-		
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

Single - Type

1-1-1. PZ3

1-1-1-1. 4-Way Cassette Type S-1014PU3E(125) / U-125PZ3E5

INDOOR	MODEL	S-1014PU3E(125)						-	-
PANEL	MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW						-	-
OUTDOOR	MODEL				U-125PZ3E5			-	-
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	12.5	12.5	12.5	-	-	-	3.2 13.5
		BTU/h	42700	42700	42700	-	-	-	10900 46100
	Current	A	-	-	-	16.9	16.1	15.4	- -
		W	-	-	-	-	-	-	- -
	Input power	TOTAL W	-	-	-	3.490k	3.490k	3.490k	0.600k 4.800k
		Annual consumption TOTAL kWh *4	-	-	-	-	1745	-	- -
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	3.58	3.58 / A	3.58	5.33 2.81
	ErP *6	Pdesign	kW	-	-	-	12.5	-	- -
		η <sub>sc</sub>	%	-	-	-	267.0	-	- -
		Annual consumption	kWh	-	-	-	-	-	- -
		Class		-	-	-	-	-	- -
	Power factor	%	-	-	-	94	94	94	- -
Noise indoor *7	dB-A (H/M/L)	46 / 39 / 33						- -	
	Power Level dB	61 / 54 / 48						- -	
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	-	-	-	13.6	13.0	12.5	- -
		W	-	-	-	-	-	-	- -
	Input power	TOTAL W	-	-	-	2.820k	2.820k	2.820k	0.600k 4.200k
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	4.43	4.43 / A	4.43
	ErP *6	Pdesign at -10°C	kW	-	-	-	12.5	-	- -
		Tbivalent	°C	-	-	-	-10	-	- -
		η <sub>sh</sub>	%	-	-	-	157.0	-	- -
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	-	- -
	Class		-	-	-	-	-	- -	
	Power factor	%	-	-	-	94	94	94	- -
Noise indoor *7	dB-A (H/M/L)	46 / 39 / 33						- -	
	Power Level dB	61 / 54 / 48						- -	
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)					31.9 / 6.44k	31.9 / 6.74k	31.9 / 7.04k	- -	
Starting current(A) (Cooling/Heating)					16.9 / 13.6	16.1 / 13.0	15.4 / 12.5	- -	
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		90			120			- -	
Moisture removal volume		L/h	4.8 (4.8 ×1)						- -
External static pressure		Pa							- -
Indoor Air flow *7	Cooling	m³/min (H/M/L)	37.0 / 27.0 / 19.0						- -
	Heating	m³/min (H/M/L)	37.0 / 27.0 / 19.0						- -
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	319			996			- -
Product dimension (Panel)	Width mm	840			980			- -	
	Depth mm	840			370			- -	
	H×W×D mm	33.5 × 950 × 950						- -	
Packing dimension	Height mm	365			1134			- -	
	Width mm	898			1095			- -	
	Depth mm	898			529			- -	
Weight	(NET) kg	25			87			- -	
	(GROSS) kg	31			95			- -	
	Panel (NET) kg	5						- -	
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)						- -	
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<sub>sc</sub> and η<sub>sh</sub> classification is at 230V(400V) only in accordance with EN-14825. For heating, η<sub>sh</sub> 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

## Single - Type

## 1-1-1. PZ3

## 1-1-1-1. 4-Way Cassette Type S-1014PU3E(140) / U-140PZ3E5

INDOOR		MODEL	S-1014PU3E(140)								
PANEL		MODEL	Standard type : CZ-KPU3 or CZ-KPU3W / ECONAVI type : CZ-KPU3A or CZ-KPU3AW								
OUTDOOR		MODEL				U-140PZ3E5					
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	14.0	14.0	14.0	-	-	-	3.3	15.0	
		BTU/h	47800	47800	47800	-	-	-	11300	51200	
	Current	A	-	-	-	21.0	20.0	19.2	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	4.340k	4.340k	4.340k	0.620k	5.500k	
		Annual consumption TOTAL kWh *4	-	-	-	-	2170	-	-	-	
	EER/EER CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	3.23	3.23 / A	3.23	5.32	2.73	
	ErP *6	Pdesign	kW	-	-	-	-	14.0	-	-	
		η <sub>sc</sub>	%	-	-	-	-	257.0	-	-	
		Annual consumption	kWh	-	-	-	-	-	-	-	
		Class		-	-	-	-	-	-	-	
	Power factor	%	-	-	-	94	94	94	-	-	
	Noise indoor *7	dB-A (H/M/L)		47 / 40 / 34						-	-
Power Level dB			62 / 55 / 49						-	-	
Noise outdoor	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	-	-	-	16.2	15.5	14.8	-	-	
		W	-	-	-	-	-	-	-	-	
	Input power	TOTAL W	-	-	-	3.350k	3.350k	3.350k	0.620k	4.800k	
		COP/COP CLASS	TOTAL (W/W) *5/ ("A"-~"G")	-	-	-	4.18	4.18 / A	4.18	5.48	3.33
	ErP *6	Pdesign at -10°C	kW	-	-	-	-	14.0	-	-	
		Tbivalent	°C	-	-	-	-	-7	-	-	
		η <sub>sh</sub>	%	-	-	-	-	152.2	-	-	
		Annual consumption elbu(-10°C)	kWh	-	-	-	-	-	-	-	
	Class			-	-	-	-	-	-	-	
		Class		-	-	-	-	-	-	-	
	Power factor	%	-	-	-	94	94	94	-	-	
Noise indoor *7	dB-A (H/M/L)		47 / 40 / 34						-	-	
	Power Level dB		62 / 55 / 49						-	-	
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)						32.9 / 6.69k	32.9 / 6.94k	32.9 / 7.24k			
Starting current(A) (Cooling/Heating)						21.0 / 16.2	20.0 / 15.5	19.2 / 14.8			
Comp output(W)						3.00k	3.00k	3.00k			
Time Delay fuse max size(A)							40				
Network Impedance(ΩMAX.)											
Fan motor output (Indoor/Outdoor) W				90			120				
Moisture removal volume		L/h	6.0 (6.0 ×1)								
External static pressure		Pa									
Indoor Air flow *7	Cooling	m <sup>3</sup> /min (H/M/L)	38.0 / 29.0 / 20.0								
	Heating	m <sup>3</sup> /min (H/M/L)	38.0 / 29.0 / 20.0								
Outdoor Air flow	Cooling	m <sup>3</sup> /min				84.0					
	Heating	m <sup>3</sup> /min				82.0					
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	319			996					
Product dimension (Panel)	Width mm	840			980						
	Depth mm	840			370						
	H×W×D mm	33.5 × 950 × 950									
Packing dimension	Height mm	365			1134						
	Width mm	898			1095						
	Depth mm	898			529						
Weight	(NET) kg	25			87						
	(GROSS) kg	31			95						
	Panel (NET) kg	5									
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)								
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 (m<sup>3</sup>/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<sub>sc</sub> and η<sub>sh</sub> classification is at 230V(400V) only in accordance with EN-14825. For heating, η<sub>sh</sub> 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. Noise Criterion Curves

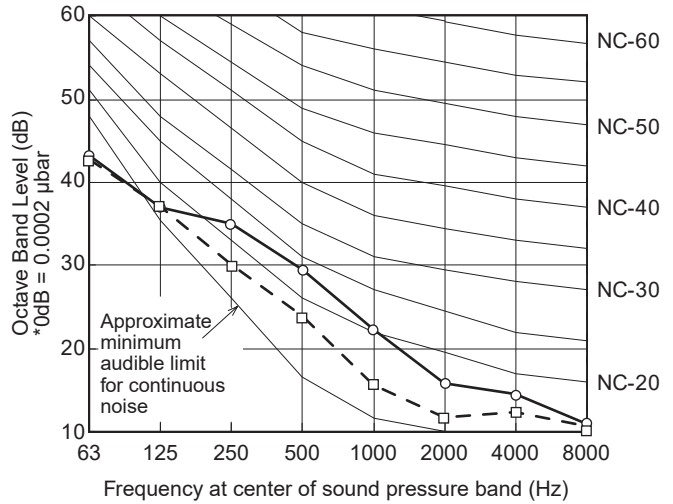
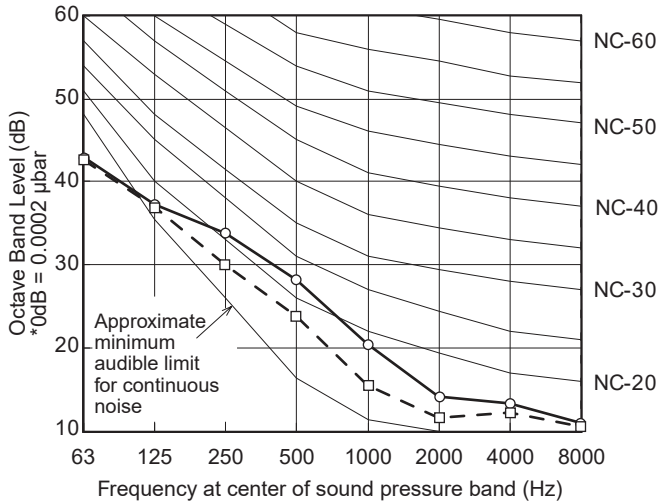
## 1-6-1. Indoor Unit

### 1-6-1-1. 4-Way Cassette Type

MODEL	: S-3650PU3E(36)
SOUND LEVEL	: High 30 dB(A)
	: Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

MODEL	: S-3650PU3E(45)
SOUND LEVEL	: High 31 dB(A)
	: Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

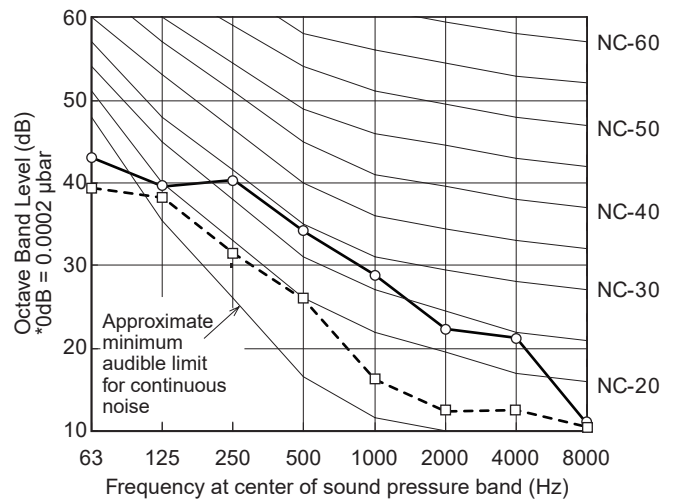
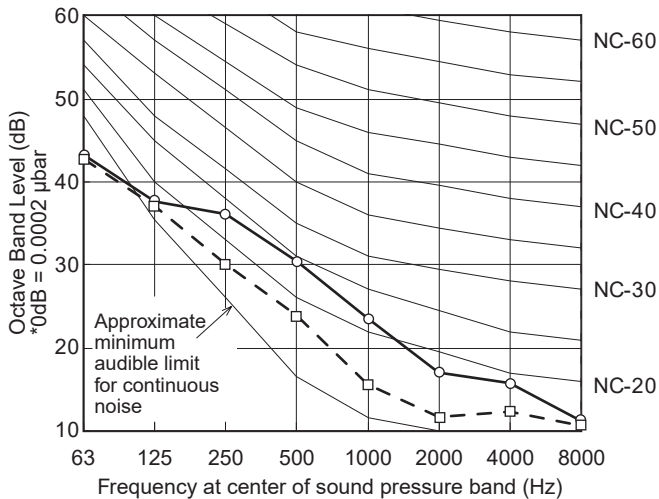
—○— High  
 - -□- - Low



\* For S-3650PU3E (36) and S-3650PU3E (45), see the Combination Table items 36 and 45 on page 20 to 22.

MODEL	: S-3650PU3E(50)
SOUND LEVEL	: High 32 dB(A)
	: Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

MODEL	: S-6071PU3E(60)
SOUND LEVEL	: High 36 dB(A)
	: Low 28 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

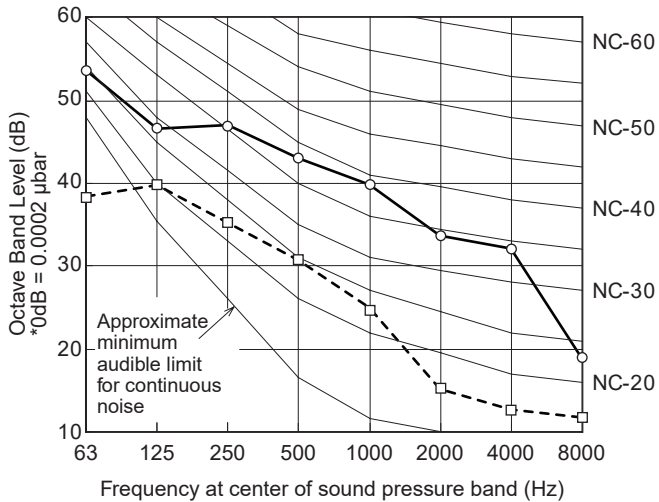
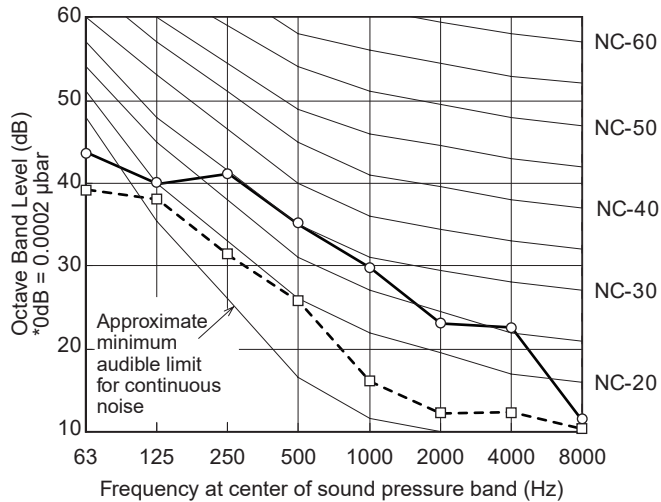


\* For S-3650PU3E (50) and S-6071PU3E (60), see the Combination Table items 50 and 60 on page 20 to 22.

1-6-1-1. 4-Way Cassette Type

MODEL	: S-6071PU3E (71)
SOUND LEVEL : High	37 dB(A)
Low	28 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

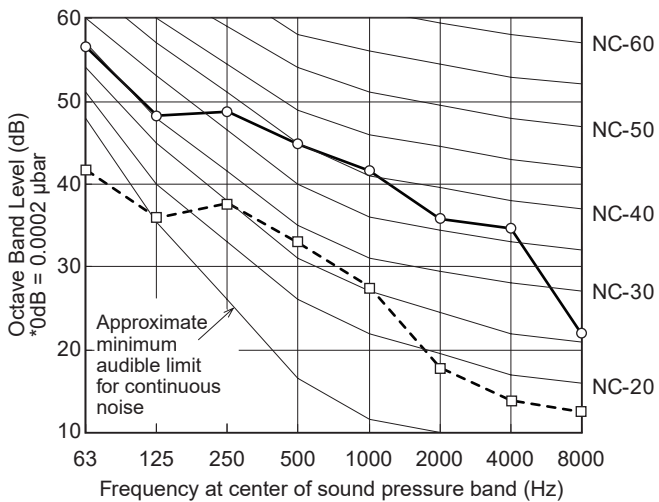
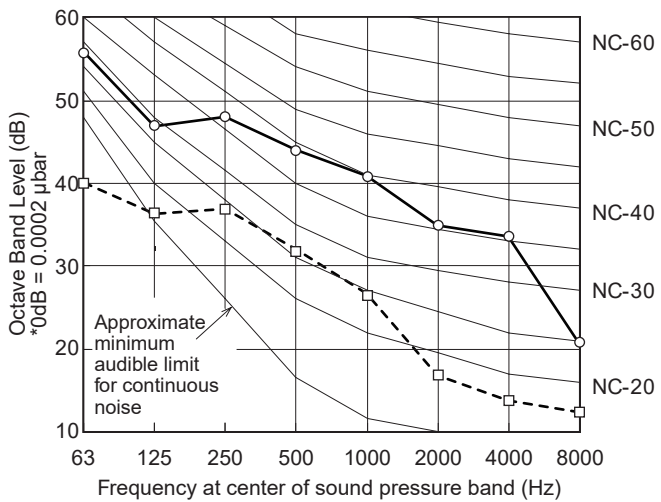
MODEL	: S-1014PU3E (100)
SOUND LEVEL : High	45 dB(A)
Low	32 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



\* For S-6071PU3E (71) and S-1014PU3E (100), see the Combination Table items 71 and 100 on page 20 to 22.

MODEL	: S-1014PU3E (125)
SOUND LEVEL : High	46 dB(A)
Low	33 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz

MODEL	: S-1014PU3E (140)
SOUND LEVEL : High	47 dB(A)
Low	34 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



\* For S-1014PU3E (125) and S-1014PU3E (140), see the Combination Table items 125 and 140 on page 20 to 22.

REMARKS:

1. Value obtained in the actual place where the unit is installed may be slightly higher than the values shown in this graph because of the conditions of operation, the structure of the building, the background noise and other factors.
2. The test results were obtained from an anechoic room.

NOTE

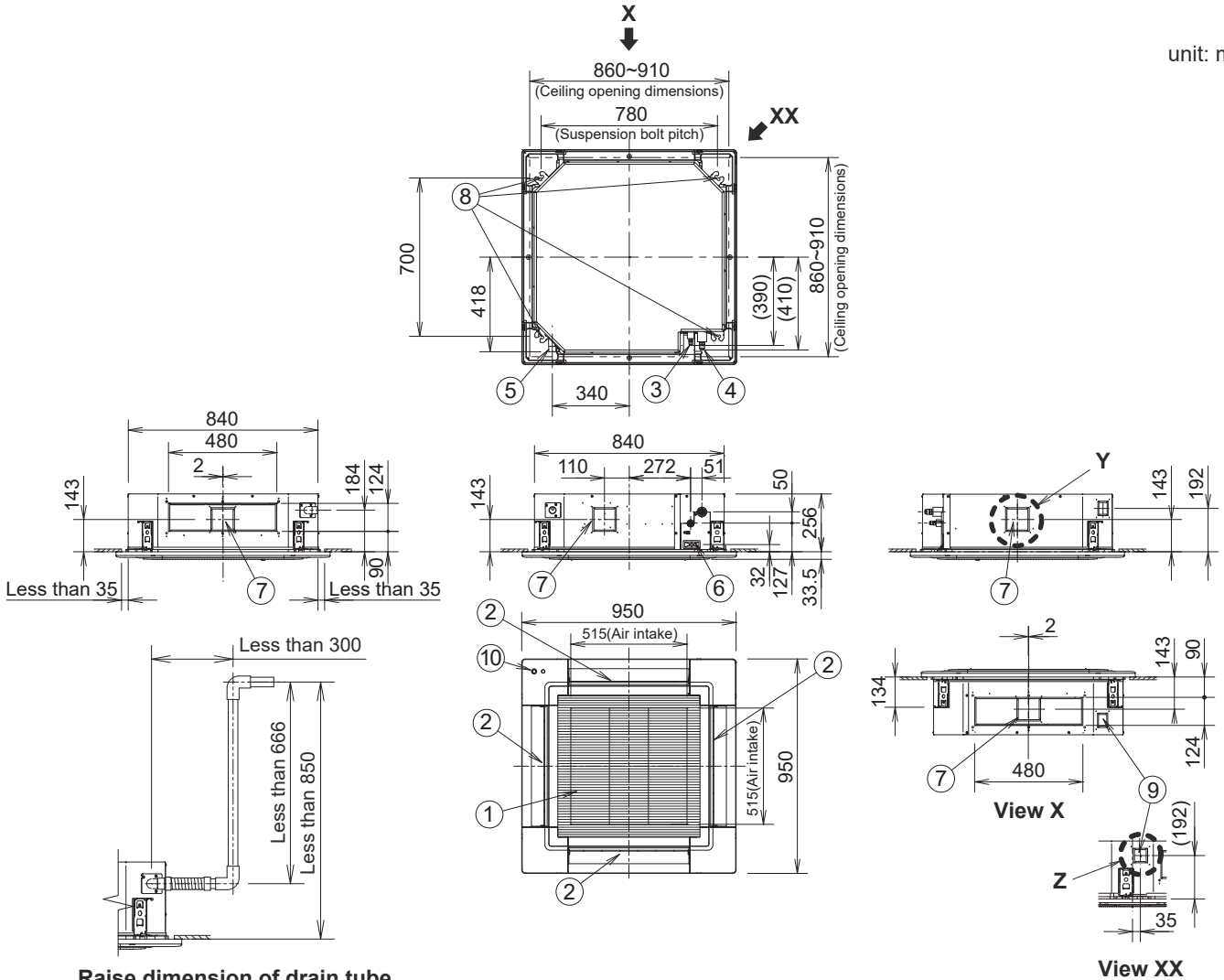
To evaluate "Noise level" the maximum number of the measured OCTAVE BAND SOUND PRESSURE LEVEL is used. Read the number on each BAND CENTER FREQUENCIES (horizontal axis) ranging from 63 Hz to 8000 Hz and select the maximum value (vertical axis) among them.

# 1-2. Dimensional Data

## 1-2-1. Indoor Unit

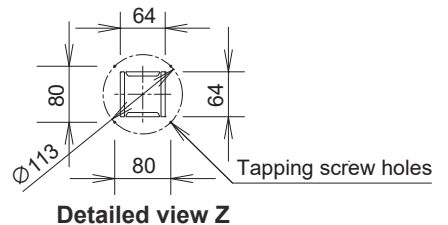
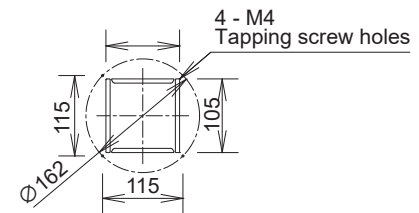
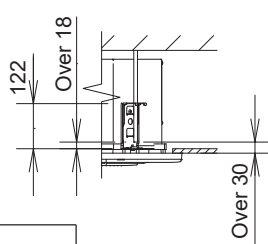
### 1-2-1-1. 4-Way Cassette Type S-3650PU3E, S-6071PU3E

unit: mm



#### Raise dimension of drain tube

The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.



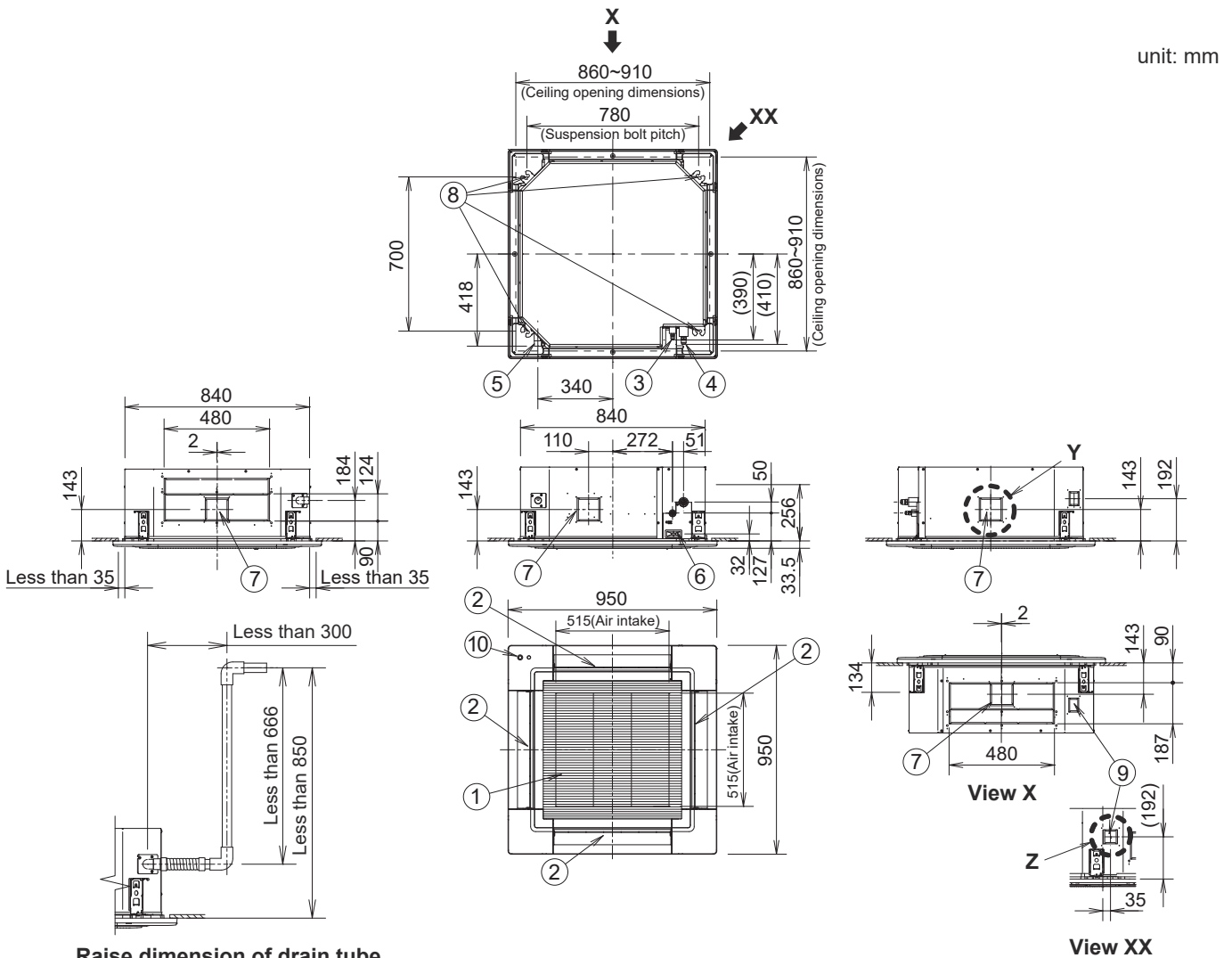
①	Air intake
②	Discharge outlet
③	Refrigerant tubing joint (liquid tube) S-3650PU3E : $\phi 6.35$ (flared) S-6071PU3E : $\phi 9.52$ (flared) *1
④	Refrigerant tubing joint (gas tube) S-3650PU3E : $\phi 12.7$ (flared) S-6071PU3E(60) : $\phi 15.88$ (flared) *2 S-6071PU3E(71) : $\phi 15.88$ (flared)
⑤	Drain tube connection port VP25 (outer dia. $\phi 32$ )
⑥	Power supply port
⑦	Discharge duct connection port ( $\phi 150$ )
⑧	Suspension bolt hole (4-12 $\times$ 30 elongated hole)
⑨	Fresh air intake duct connection port ( $\phi 100$ ) *3
⑩	ECONAVI sensor (Only CZ-KPU3A or CZ-KPU3AW)

\*1 When connecting with U-60PZ3E5A, U-71PZ3E5A or U-60PZH3E5, connect the liquid socket tube ( $\phi 9.52-\phi 6.35$ ) to the liquid tubing side indoor unit.  
\*2 When connecting with U-60PZ3E5A or U-60PZH3E5, connect the gas socket tube ( $\phi 15.88-\phi 12.7$ ) to the gas tubing side indoor unit.  
\*3 Necessary to attach duct connecting flange (field supply).

<Filter dimension>  
520  $\times$  520  $\times$  15

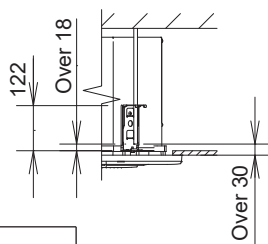
1-2-1-1. 4-Way Cassette Type S-1014PU3E

unit: mm



Raise dimension of drain tube

The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.



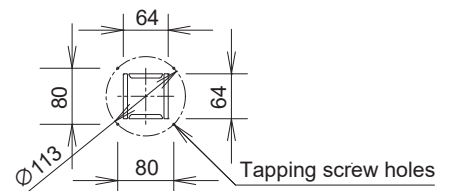
①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) $\phi 9.52$ (flared)
④	Refrigerant tubing (gas tube) $\phi 15.88$ (flared)
⑤	Drain tube connection port VP25 (outer dia. $\phi 32$ )
⑥	Power supply port
⑦	Discharge duct connection port ( $\phi 150$ )
⑧	Suspension bolt hole (4-12 $\times$ 30 elongated hole)
⑨	Fresh air intake duct connection port ( $\phi 100$ ) *
⑩	ECONAVI sensor (Only CZ-KPU3A or CZ-KPU3AW)

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

<Filter dimension>  
520  $\times$  520  $\times$  15

4 - M4 Tapping screw holes

Detailed view Y



Detailed view Z