PACi NX Series Elite 4 way 90x90 cassette - PU3 · R32

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.



nanoe™ X as a standard.

			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-71PU3ZH45	KIT-100PU3ZH45	KIT-125PU3ZH45	KIT-140PU3ZH45
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)	9,5 (3,1 - 12,5)	12,5 (3,2 - 14,0)	13,4 (3,3 - 16,0)
EER [1]	Nominal (Min - Max)	W/W	5,45 (4,60 - 5,45)	4,31 (3,86 - 5,45)	4,05 (3,02 - 5,45)	4,06 (2,69 - 5,79)	4,42 (3,42 - 5,34)	3,80 (3,08 - 5,33)	3,60 (2,74 - 5,32)
SEER / $\eta_{s,c}$ [2]			**8,9 A+++**	**8,6 A+++**	**8,0 A++**	**7,7 A++**	**7,8 A++**	**304,3%**	**286,6%**
Pdesign		kW	3,6	5,0	6,0	7,1	9,5	12,5	13,4
Input power	Nominal (Min - Max)	kW	0,66 (0,22 - 0,87)	1,16 (0,22 - 1,45)	1,48 (0,22 - 2,35)	1,75 (0,38 - 3,35)	2,15 (0,58 - 3,65)	3,29 (0,60 - 4,55)	3,72 (0,62 - 5,85)
Annual energy consumption [3]		kWh/a	142	203	263	323	426	—	—
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 [1]	Nominal (Min - Max)	W/W	5,41 (4,55 - 5,45)	4,24 (4,19 - 5,45)	4,02 (3,40 - 5,45)	4,30 (3,16 - 5,56)	5,00 (3,64 - 5,54)	4,61 (3,37 - 5,52)	4,30 (3,27 - 5,50)
SCOP / $\eta_{s,h}$ [2]			**5,1 A+++**	**4,9 A++**	**4,8 A++**	**4,8 A++**	**4,9 A++**	**186,0%**	**181,2%**
Pdesign at -10 °C		kW	3,6	4,5	4,7	5,2	8,0	9,5	10,6
Input power	Nominal (Min - Max)	kW	0,74 (0,22 - 1,10)	1,32 (0,22 - 1,55)	1,74 (0,22 - 2,35)	1,86 (0,36 - 2,85)	2,24 (0,56 - 3,85)	3,04 (0,58 - 4,75)	3,72 (0,60 - 5,50)
Annual energy consumption [3]		kWh/a	988	1286	1371	1517	2286	—	—
Indoor unit			**S-3650PU3E**	**S-3650PU3E**	**S-6071PU3E**	**S-6071PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**
Air flow	Hi / Med / Lo	m³/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	1,9	4,8	4,9
Sound pressure [4]	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 (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	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	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
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
Outdoor unit			**U-36PZH3E5**	**U-50PZH3E5**	**U-60PZH3E5**	**U-71PZH4E5**	**U-100PZH4E5**	**U-125PZH4E5**	**U-140PZH4E5**
Power supply		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	8,85 - 8,45 - 8,10	10,06 - 10,02 - 9,75	16,10 - 15,40 - 14,70	18,20 - 17,40 - 16,70
	Heat	A	3,60 - 3,45 - 3,30	6,25 - 6,00 - 5,75	8,05 - 7,70 - 7,40	9,40 - 9,00 - 8,60	10,90 - 10,60 - 10,10	14,90 - 14,20 - 13,60	18,20 - 17,40 - 16,70
Air flow	Cool / Heat	m³/min	34,1 / 36,4	42,0 / 42,0	42,0 / 42,0	62,0 / 66,0	76,0 / 70,0	86,0 / 78,0	89,0 / 83,0
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	46 / 48	47 / 50	48 / 50	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB(A)	62 / 64	64 / 67	65 / 69	65 / 67	69 / 69	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	42	42	43	66	84	86	86
Piping diameter	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) [5]	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) [6]	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 ~ 60	5 ~ 100***	5 ~ 100***	5 ~ 100***
Elevation difference (in / out) [7]		m	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30
Pre-charged pipe length		m	30	30	30	30	30	30	30
Additional gas amount		g/m	15	15	15	30	40	40	40
Refrigerant (R32) / CO_2 Eq.		kg / T	1,13 / 0,76	1,13 / 0,76	1,15 / 0,78	1,95 / 1,32	2,70 / 1,82	3,00 / 2,03	3,00 / 2,03
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +52	-20 [8] ~ +52	-20 [8] ~ +52	-20 [8] ~ +52
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Technical focus

- High performance turbo fan
- 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 plus dry operation
- Lower noise in low fan operation
- Light weight, easy piping and integrated drain pump for quick installation
- Wired remote control CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®
- High volume fresh air input with optional air-intake plenum and chamber (CZ-FDU3+CZ-ATU2)

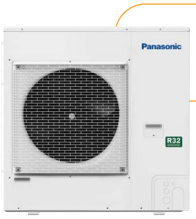

CZ-RTC5B


Standard panel.
CZ-KPU3W


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

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





New 2023

Optional:


CONEX wired remote controller, white.
CZ-RTC6W/ BL/BLW


CONEX wired remote controller, black.
CZ-RTC6/BL/ BLW


Infrared remote controller.
CZ-RWS3 + CZ-RWRU3W

			Three phase			
			7,1 kW	**10,0 kW**	**12,5 kW**	**14,0 kW**
Kit			**KIT-71PU3ZH48**	**KIT-100PU3ZH48**	**KIT-125PU3ZH48**	**KIT-140PU3ZH48**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,1 (2,2 - 9,0)	9,5 (3,1 - 12,5)	12,5 (3,2 - 14,0)	13,4 (3,3 - 16,0)
EER [1]	Nominal (Min - Max)	W/W	4,06 (2,69 - 5,79)	4,42 (3,42 - 5,34)	3,80 (3,08 - 5,33)	3,60 (2,74 - 5,32)
SEER / $\eta_{s,c}$ [2]			**7,7 A++**	**7,2 A++**	**303,0%**	**286,6%**
Pdesign		kW	7,1	9,5	12,5	13,4
Input power	Nominal (Min - Max)	kW	1,75 (0,38 - 3,35)	2,15 (0,58 - 3,65)	3,29 (0,60 - 4,55)	3,72 (0,62 - 5,85)
Annual energy consumption [3]		kWh/a	323	426	—	—
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 [1]	Nominal (Min - Max)	W/W	4,30 (3,16 - 5,56)	5,00 (3,64 - 5,54)	4,61 (3,37 - 5,52)	4,30 (3,27 - 5,50)
SCOP / $\eta_{s,h}$ [2]			**4,8 A++**	**4,9 A++**	**186,0%**	**181,1%**
Pdesign at -10 °C		kW	5,2	8,0	9,5	10,6
Input power	Nominal (Min - Max)	kW	1,86 (0,36 - 2,85)	2,24 (0,56 - 3,85)	3,04 (0,58 - 4,75)	3,72 (0,60 - 5,50)
Annual energy consumption [3]		kWh/a	1517	2286	—	—
Indoor unit			**S-6071PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**
Air flow	Hi / Med / Lo	m³/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	1,9	4,8	4,9
Sound pressure [4]	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
Outdoor unit			**U-71PZH4E8**	**U-100PZH4E8**	**U-125PZH4E8**	**U-140PZH4E8**
Power supply		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	2,95 - 2,80 - 2,70	3,60 - 3,40 - 3,25	5,45 - 5,15 - 5,00	6,15 - 5,85 - 5,65
	Heat	A	3,15 - 3,00 - 2,90	3,75 - 3,55 - 3,40	5,10 - 4,80 - 4,65	6,20 - 5,90 - 5,65
Air flow	Cool / Heat	m³/min	62,0 / 66,0	76,0 / 70,0	86,0 / 78,0	89,0 / 83,0
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB(A)	65 / 67	69 / 69	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	66	82	84	84
Piping diameter	Liquid	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 60	5 ~ 100***	5 ~ 100***	5 ~ 100***
Elevation difference (in / out) [7]		m	15 / 30	15 / 30	15 / 30	15 / 30
Pre-charged pipe length		m	30	30	30	30
Additional gas amount		g/m	30	40	40	40
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,32	2,70 / 1,82	3,00 / 2,03	3,00 / 2,03
Operating range	Cool Min ~ Max	°C	-15 ~ +52	-20 [8] ~ +52	-20 [8] ~ +52	-20 [8] ~ +52
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

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 $\eta_{s,c}$ / $\eta_{s,h}$ 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) Outdoor unit located lower / outdoor unit located higher. 8) Pipe length up to 30 m. * Recommended fuse for the indoor 3 A. ** Above values are in the case of nanoe™ X OFF.

Accessories	
CZ-RTC6W	CONEX wired remote controller (non-wireless), white
CZ-RTC6WBL	CONEX wired remote controller with Bluetooth®, white
CZ-RTC6WBLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, white
CZ-RTC6	CONEX wired remote controller (non-wireless), black
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®, black
CZ-RTC6BLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, black
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3W	Infrared remote controller and receiver

Accessories	
CZ-CAPWFC1	Commercial Wi-Fi Adaptor
CZ-KPU3AW	Econavi exclusive panel
PAW-PACR4	Interface to run up to 4 indoor unit groups 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-FDU3+CZ-ATU2	Fresh air-intake kit

R32 | A+++ 8,9 SEER | A+++ 5,1 SCOP | 28% ECONAVI | INVERTER+ | -15 °C COOLING MODE | -20 °C HEATING MODE | nanoeX | DC FAN | R22 R410A R32 R22 / R410A RENEWAL | OPTIONAL WI-FI | BMS CONNECTIVITY

*** Restrictions apply

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 or www.ptc.panasonic.eu.

PACi NX Series Standard 4 way 90x90 cassette - PU3 · R32

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.



nanoe™ X as a standard.

			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 [1]	Nominal (Min - Max)	W/W	4,34 (5,88-3,81)	3,91 (6,25-3,20)	3,73 (6,90-3,01)	3,27 (5,00-2,77)	3,82 (2,88 - 5,36)	3,58 (2,81 - 5,33)	3,23 (2,73 - 5,32)
SEER / $\eta_{s,c}$ [2]			**8,1 A++**	**8,0 A++**	**7,8 A++**	**6,8 A++**	**6,8 A++**	**267,0%**	**257,0%**
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Input power	Nominal (Min - Max)	kW	0,83 (0,25-1,05)	1,28 (0,24-1,75)	1,61 (0,29-2,36)	2,17 (0,52-2,78)	2,62 (0,56 - 4,00)	3,49 (0,60 - 4,80)	4,34 (0,62 - 5,50)
Annual energy consumption [3]		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 [1]	Nominal (Min - Max)	W/W	5,07 (4,32 - 6,52)	4,63 (3,48 - 7,50)	4,48 (3,18 - 7,50)	4,23 (3,38 - 6,36)	4,93 (3,59 - 5,36)	4,43 (3,57 - 5,50)	4,18 (3,33 - 5,48)
SCOP / $\eta_{s,h}$ [2]			**4,8 A++**	**4,7 A++**	**4,9 A++**	**4,6 A++**	**4,4 A+**	**157,0%**	**152,2%**
Pdesign at -10 °C		kW	2,8	4,0	4,6	5,2	10,0	12,5	14,0 (at -7 °C)
Input power	Nominal (Min - Max)	kW	0,71 (0,23-1,06)	1,08 (0,20-1,84)	1,34 (0,24-2,20)	1,68 (0,33-2,40)	2,03 (0,56 - 3,90)	2,82 (0,60 - 4,20)	3,35 (0,62 - 4,80)
Annual energy consumption [3]		kWh/a	817	1191	1314	1583	3182	—	—
Indoor unit			**S-3650PU3E**	**S-3650PU3E**	**S-6071PU3E**	**S-6071PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**
Air flow	Hi / Med / Lo	m³/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 [4]	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 (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	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	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
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
Outdoor unit			**U-36PZ3E5**	**U-50PZ3E5**	**U-60PZ3E5A**	**U-71PZ3E5A**	**U-100PZ3E5**	**U-125PZ3E5**	**U-140PZ3E5**
Power supply		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	m³/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	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	32	35	42	50	83	87	87
Piping diameter	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) [5]	1/4 (6,35) [5]	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) [6]	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) [7]		m	15 / 15	15 / 15	15 / 30	20 / 30	15 / 30	15 / 30	15 / 30
Pre-charged pipe length		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_2 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
- 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 plus dry operation
- Lower noise in low fan operation
- Light weight, easy piping and integrated drain pump for quick installation
- Wired remote control CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®
- High volume fresh air input with optional air-intake plenum and chamber (CZ-FDU3+CZ-ATU2)


CZ-RTC5B


Standard panel.
CZ-KPU3W


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

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



Optional:


CONEX wired remote controller, white.
CZ-RTC6W/ BL/BLW


CONEX wired remote controller, black.
CZ-RTC6/BL/ BLW


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**	**CZ-RTC5B**	**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 [1]	Nominal (Min - Max)	W/W	3,82 (2,88 - 5,36)	3,58 (2,81 - 5,33)	3,23 (2,73 - 5,32)
SEER / $\eta_{s,c}$ [2]			**6,7 A++**	**265,8%**	**256,2%**
Pdesign		kW	10,0	12,5	14,0
Input power	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 [3]		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 [1]	Nominal (Min - Max)	W/W	4,93 (3,59 - 5,36)	4,43 (3,57 - 5,50)	4,18 (3,33 - 5,48)
SCOP / $\eta_{s,h}$ [2]			**4,4 A+**	**157,0%**	**152,2%**
Pdesign at -10 °C		kW	10,0	12,5	14,0 (at -7 °C)
Input power	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 [3]		kWh/a	3182	—	—
Indoor unit			**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**
Air flow	Hi / Med / Lo	m³/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 [4]	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 (H x W x D)	mm	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
Net weight	Indoor / Panel	kg	25 / 5	25 / 5	25 / 5
nanoe X Generator			Mark 1	Mark 1	Mark 1
Outdoor unit			**U-100PZ3E8**	**U-125PZ3E8**	**U-140PZ3E8**
Power supply		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	m³/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	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	83	87	87
Piping diameter	Liquid	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	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) [7]		m	15 / 30	15 / 30	15 / 30
Pre-charged pipe length		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 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

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 $\eta_{s,c}$ / $\eta_{s,h}$ 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) 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.

Accessories	
CZ-RTC6W	CONEX wired remote controller (non-wireless), white
CZ-RTC6WBL	CONEX wired remote controller with Bluetooth®, white
CZ-RTC6WBLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, white
CZ-RTC6	CONEX wired remote controller (non-wireless), black
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®, black
CZ-RTC6BLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, black
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3W	Infrared remote controller and receiver

Accessories	
CZ-CAPWFC1	Commercial Wi-Fi Adaptor
CZ-KPU3AW	Econavi exclusive panel
PAW-PACR4	Interface to run up to 4 indoor unit groups 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-FDU3+CZ-ATU2	Fresh air-intake kit

R32 | A++ 8,1 SEER | A++ 4,9 SCOP | 28% ECONAVI | INVERTER+ | -10 °C COOLING MODE | -15 °C HEATING MODE | nanoeX | DC FAN | R22 R410A R32 R22 / R410A RENEWAL | OPTIONAL WI-FI | BMS CONNECTIVITY

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.