

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	m ³ /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 (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	
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	m ³ /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	HxWxD	mm	695x875x320		695x875x320		695x875x320		996x980x370		996x980x370		996x980x370		996x980x370	
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)



Standard panel.
CZ-KPU3W



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



CZ-RTC5B

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-RRWU3W

Three phase

Kit	Three phase					
	7,1 kW	10,0 kW	12,5 kW	14,0 kW		
Remote controller	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	m ³ /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	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	m ³ /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-RRWU3W	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



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.