

New PACi NX Series Standard 4 Way 90x90 Cassette Inverter+

- R32 refrigerant



New 4 Way 90x90 Cassette range PU3 for R32 PACi NX Series

Powerful turbo fan and intelligent Econavi sensor make sure high energy efficiency and nanoe™ X which is equipped as standard provides an exceptional level of comfort.



CZ-KPU3W
Standard panel.



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

nanoe™ X as a standard.



CZ-RTC6
CZ-RTC6BL
CZ-RTC6BLW
Optional Controller.
Wired remote controller.



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

			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	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 ²⁾			8,1 A++	8,0 A++	7,8 A++	6,8 A++	6,8 A++	6,8	6,5
Pdesign		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 (0,6 - 4,0)	3,49 (0,6 - 4,8)	4,34 (0,6 - 5,5)
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	4,63	4,48	4,23	4,93 (3,59 - 5,36)	4,43 (3,57 - 5,50)	4,18 (3,33 - 5,48)
SCOP ²⁾			4,8 A++	4,7 A++	4,9 A++	4,6 A++	4,4 A+	4,0	3,9
Pdesign at -10 °C		kW	2,8	4,0	4,6	5,2	10,0	12,5	14,0
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 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 volume	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	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	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-60PZ3E5	U-71PZ3E5	U-100PZ3E5	U-125PZ3E5	U-140PZ3E5
Power source			V	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	12,10 - 11,50 - 11,10	16,30 - 15,60 - 15,00	20,40 - 19,50 - 18,70
	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	9,25 - 8,85 - 8,50	13,10 - 12,50 - 12,00	15,60 - 14,90 - 14,30
Air volume	Cool / Heat	m ³ /min	33,6 / 34,0	32,7 / 31,9	42,6 / 41,5	44,7 / 45,9	76 / 70	86 / 78	89 / 83
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	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	90	94	94
Piping connections	Liquid pipe	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 pipe	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 ~ 30	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁷⁾		m	15 / 15 ⁸⁾	15 / 15 ⁸⁾	15 / 15 ⁸⁾	20 / 20 ⁸⁾	30	30	30
Pipe length for additional gas		m	7,5	7,5	7,5	10	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	2,60 / 1,76	2,98 / 2,01	2,98 / 2,01
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

Accessories

CZ-RTC6	NEW	Wired remote controller (non-wireless)
CZ-RTC6BL	NEW	Wired remote controller with Bluetooth®
CZ-RTC6BLW	NEW	Wired remote controller with WLAN & Bluetooth® (available in Autumn 2020)
CZ-RTC5B		Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3W		Infrared remote controller

Accessories

CZ-CAPWFC1	Commercial WLAN Adaptor
CZ-KPU3AW	Econavi exclusive panel
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

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 OH radicals/ sec) as standard for better indoor air quality, also possible to clean inside of the indoor unit with nanoe™ X ON + Dry operation
- Lower noise in slow fan operation
- Light weight, easy piping
- Drain pump included
- New wired remote control CZ-RTC6BL allows easy system setting via Bluetooth®

* The performance of nanoe™ X air can be expected even by 10 m long duct by Panasonic internal survey.

Group control, circulation function

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.

			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 (5,36 - 2,88)	3,58 (5,33 - 2,81)	3,23 (5,32 - 2,73)
SEER ²⁾			6,7 A++	6,7	6,5
Pdesign		kW	10,0	12,5	14,0
Input power cooling	Nominal (Min - Max)	kW	2,62 (0,60 - 4,00)	3,49 (0,60 - 4,80)	4,34 (0,60 - 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 ²⁾			4,4 A+	4,0	3,9
Pdesign at -10 °C		kW	10,0	12,5	14,0
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 ³⁾		kWh/a	3182	—	—
Indoor unit			S-1014PU3E	S-1014PU3E	S-1014PU3E
Air volume	Hi / Med / Lo	m ³ /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	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 source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4,10 - 3,90 - 3,75	5,45 - 5,20 - 5,00	6,80 - 6,50 - 6,25
	Heat	A	3,15 - 3,00 - 2,90	4,40 - 4,15 - 4,00	5,25 - 4,95 - 4,80
Air volume	Cool / Heat	m ³ /min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	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	90	94	94
Piping connections	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) ⁷⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2,60 / 1,76	2,98 / 2,01	2,98 / 2,01
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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 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-3650PU3E + U-60PZ3E5. ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.