



nanoe™ X

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)
UK Cooling	(Total - Sensible)	kW	3.4 - 2.6	4.8 - 3.3	5.9 - 4.1	6.7 - 4.4			
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		kW	0.83	1.28	1.61	2.17	2.62(0.60 - 4.00)	3.49(0.60 - 4.80)	4.34(0.60 - 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)
UK Heating		kW	3.9	5.6	6.2	6.9			
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 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
Recommended Fuse		A	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Outdoor unit			U-36PZ3E5	U-50PZ3E5	U-60PZ3E5A	U-71PZ3E5A	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	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 flow	Cool / Heat	m³/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(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	90	94	94
Pipe diameter	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 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁷⁾		m	15/15 ⁸⁾	15/15 ⁸⁾	15/30 ⁸⁾	20/30 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

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)