

New PACi NX Series Standard Adaptive Ducted Unit Inverter+ • R32 refrigerant



nanoeTM X
nanoeTM X as a
standard.



CZ-RTC5B



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



CZ-RWS3 +
CZ-RWRC3
Optional Controller.
Infrared remote
controller.



CZ-CENSC1
Optional
Econavi
Sensor.

			Single Phase						
Kit			3.6 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	12.5 kW	14.0 kW
Remote controller			KIT-36PF3Z5	KIT-50PF3Z5	KIT-60PF3Z5	KIT-71PF3Z5	KIT-100PF3Z5	KIT-125PF3Z5	KIT-140PF3Z5
Cooling capacity	Nominal (Min - Max)	kW	3.4 (1.5 - 4.0)	5.0 (1.5 - 5.3)	5.7 (2.0 - 6.3)	6.8 (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	3.78	2.78	3.54	3.18	3.66 (5.36 - 2.81)	3.52 (5.33 - 2.80)	3.18 (5.32 - 2.70)
SEER ²⁾			6.0A+	6.5A++	6.4A++	6.0A+	5.6A+	5.6	5.4
Pdesign		kW	3.4	5.0	5.7	6.8	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	0.9	1.8	1.61	2.14	2.73 (0.56 - 4.09)	3.55 (0.60 - 4.82)	4.40 (0.62 - 5.56)
Annual energy consumption ³⁾		kWh/a	198	267	310	391	625	787	911
Heating capacity	Nominal (Min - Max)	kW	3.4 (1.5 - 4.6)	5.0 (1.5 - 5.9)	5.7 (1.8 - 7.0)	6.8 (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	4.15	3.62	4.04	4.00	4.31 (5.36 - 3.51)	4.02 (5.50 - 3.45)	3.79 (5.48 - 3.13)
SCOP ²⁾			4.0A+	4.0A+	4.4A+	4.1A+	3.8A	3.6	3.5
Pdesign at -10 °C		kW	2.4	3.8	4.4	4.7	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	0.82	1.38	1.41	1.7	2.32 (0.56 - 3.99)	3.11 (0.60 - 4.35)	3.69 (0.62 - 5.12)
Annual energy consumption ³⁾		kWh/a	839	1303	1376	1591	3684	4848	5379
Indoor unit			S-3650PF3E	S-3650PF3E	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	30 (10 - 150)	30 (10 - 150)	30 (10 - 150)	30 (10 - 150)	40 (10 - 150)	50 (10 - 150)	50 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	14.0/13.0/10.0	16.0/15.0/12.0	21.0/19.0/15.0	21.0/19.0/15.0	32.0/26.0/21.0	34.0/29.0/23.0	36.0/32.0/25.0
Moisture removal volume		L/h	0.9	1.9	1.7	2.7	3.2	4.1	4.9
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	30/27/22	34/30/25	30/26/23	30/26/23	33/29/25	35/31/27	39/35/29
Sound power	Hi / Med / Lo	dB	53/50/45	57/53/48	53/49/46	53/49/46	56/52/48	58/54/50	62/58/52
Dimension	H x W x D	mm	250 x 800 x 730	250 x 800 x 730	250 x 1000 x 730	250 x 1000 x 730	250 x 1400 x 730	250 x 1400 x 730	250 x 1400 x 730
Net weight		kg	25	25	30	30	39	39	39
nanoe X Generator			Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
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	220-230-240
Current	Cool	A	4.15-4.00-3.85	8.35-8.00-7.65	7.45-7.15-6.85	9.95-9.50-9.10	12.10-11.50-11.10	16.30-15.60-15.00	20.40-19.50-18.70
	Heat	A	3.85-3.70-3.50	6.45-6.20-5.95	6.55-6.25-6.00	7.90-7.55-7.25	9.25-8.85-8.50	13.10-12.50-12.00	15.60-14.90-14.30
Air volume	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	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 (Ø6.35)	1/4 (Ø6.35)	1/4 (Ø6.35) ⁶⁾	1/4 (Ø6.35) ⁶⁾	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (Ø12.7)	1/2 (Ø12.7)	1/2 (Ø12.7) ⁷⁾	5/8 (Ø15.88)	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) ⁸⁾		m	15/15 ⁹⁾	15/15 ⁹⁾	15/15 ⁹⁾	20/20 ⁹⁾	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-RWRC3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor

Accessories

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-CENSC1	Econavi energy savings sensor
CZ-56DAF2	Air Outlet Plenum for S-3650PF3E
CZ-90DAF2	Air Outlet Plenum for S-6071PF3E
CZ-160DAF2	Air Outlet Plenum for S-1014PF3E

New design duct range PF3 for R32 PACi NX Series

2 installation possibilities (horizontal / vertical) with high ESP 150Pa allows flexible installation.

Technical focus

- 2 installation possibilities (horizontal / vertical)
- Maximum External Static pressure: 150Pa
- Selectable inlet air position (rear / bottom entry)
- Improved drain pan suitable for both horizontal / vertical installation
- Drain pump included
- nanoe™ X (Generator Mark 2= 9,6 trillion OH radicals / sec) as standard for the long duct piping case*
- 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.

			Three Phase		
			10.0 kW	12.5 kW	14.0 kW
Kit			KIT-100PF3Z8	KIT-125PF3Z8	KIT-140PF3Z8
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	3.66(5.36 - 2.81)	3.52(5.33 - 2.80)	3.18(5.32 - 2.70)
SEER ²⁾			5.6 A+	5.5	5.4
Pdesign		kW	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	2.73(0.56 - 4.09)	3.55(0.60 - 4.82)	4.40(0.62 - 5.56)
Annual energy consumption ³⁾		kWh/a	625	790	912
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	4.31(5.36 - 3.51)	4.02(5.50 - 3.45)	3.79(5.48 - 3.13)
SCOP ²⁾			3.8 A	3.60	3.5
Pdesign at -10 °C		kW	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	2.32(0.56 - 3.99)	3.11(0.60 - 4.35)	3.69(0.62 - 5.12)
Annual energy consumption ³⁾		kWh/a	3684	4848	5379
Indoor unit			S-1014PF3E	S-1014PF3E	S-1014PF3E
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	40(10 - 150)	50(10 - 150)	50(10 - 150)
Air volume	Hi / Med / Lo	m³/min	32.0/26.0/21.0	34.0/29.0/23.0	36.0/32.0/25.0
Moisture removal volume		L/h	3.2	4.1	4.9
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	33/29/25	35/31/27	39/35/29
Sound power	Hi / Med / Lo	dB	56/52/48	58/54/50	62/58/52
Dimension	H x W x D	mm	250 x 1400 x 730	250 x 1400 x 730	250 x 1400 x 730
Net weight		kg	39	39	39
nanoe X Generator			Mark 2	Mark 2	Mark 2
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	m³/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) ⁸⁾		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) Medium External static pressure setting from factory. 5) 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. 6) Connect the liquid socket tube (Ø6,35-Ø9,52) to the liquid tubing side indoor unit. 7) Connect the gas socket tube (Ø12,70-Ø15,88) to the gas tubing side indoor unit. 8) When installing the outdoor unit at a higher position than the indoor unit. 9) Outdoor unit located lower / outdoor unit located higher. * Recommended fuse for the indoor 3 A. ** Above values are in the case of standard installation(horizontal installation in the ceiling, rear side air intake) and nanoe™ X OFF.



SEER: For S-3650PF3E + U-50PZ3E5. SCOP: For S-6071PF3E + U-60PZ3E5. SUPER QUIET: For S-3650PF3E + U-36PZ3E5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.