

PY3: 4 WAY 60x60 CASSETTE

A new era of air conditioning solutions,
with built-in nanoe™ X technology.



PACi NX 4 way 60x60 cassette - PY3

The PY3, with built-in nanoe™ X for better indoor air quality, perfectly matches with 600 x 600 mm ceiling grids.



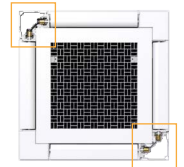
Industry-leading energy efficiency

- SEER / SCOP class A++* with Elite outdoor range
- SEER / SCOP class A++ with Standard outdoor range 2,5 kW model

* A+ for 6,0 kW.

Individual flap control

Better control of the air flow with 4 motors, providing individual flap control. Perfect air distribution without direct airflow, to reduce the feeling of cold drafts.



Compact and stylish design

- Ceiling depth is only 250 mm
- Exposed area is only 30 mm



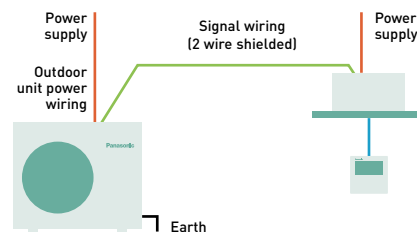
Additional key features

- Built-in drain pump
- DC drain pump and float switch to reduce the noise
- nanoe™ X (Generator Mark 2= 9,6 trillion hydroxyl radicals/sec) as standard for better indoor air quality
- Compatible with CONEX controls

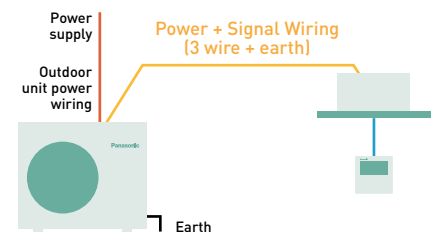
PACi NX Series for absolute ease of refurbishment

This series has been developed with 3 wired power and communication. It makes it simple and easy to replace old systems with 3 wire connections, prevalent in many systems.

PACi PZ2/PZH2: 2 wire method.



PACi NX Series: 3 wire method.



nanoe™ X: improving protection 24/7

Acts to improve your air, making the indoor environment a cleaner and more pleasant place to be. nanoe™ X works together with heating or cooling function when in use, and can work independently when the area is not occupied.

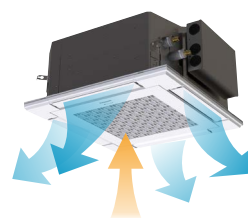
Give the air conditioning the strength to increase the protection of your indoor spaces with nanoe™ X technology with convenient control via the Panasonic Comfort Cloud App.



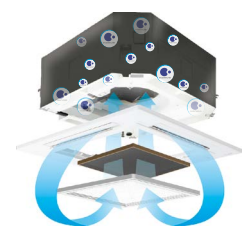
Internal cleaning function

Internal drying and nanoe™ X circulation airflow is activated when cooling or dry operation has stopped, in order to suppress the mould proliferation inside the unit (airflow passage, fan, heat exchanger)*.

* Depending on the installation environment or operating hours, mould proliferation or inhabitation of mould growth will be changed.



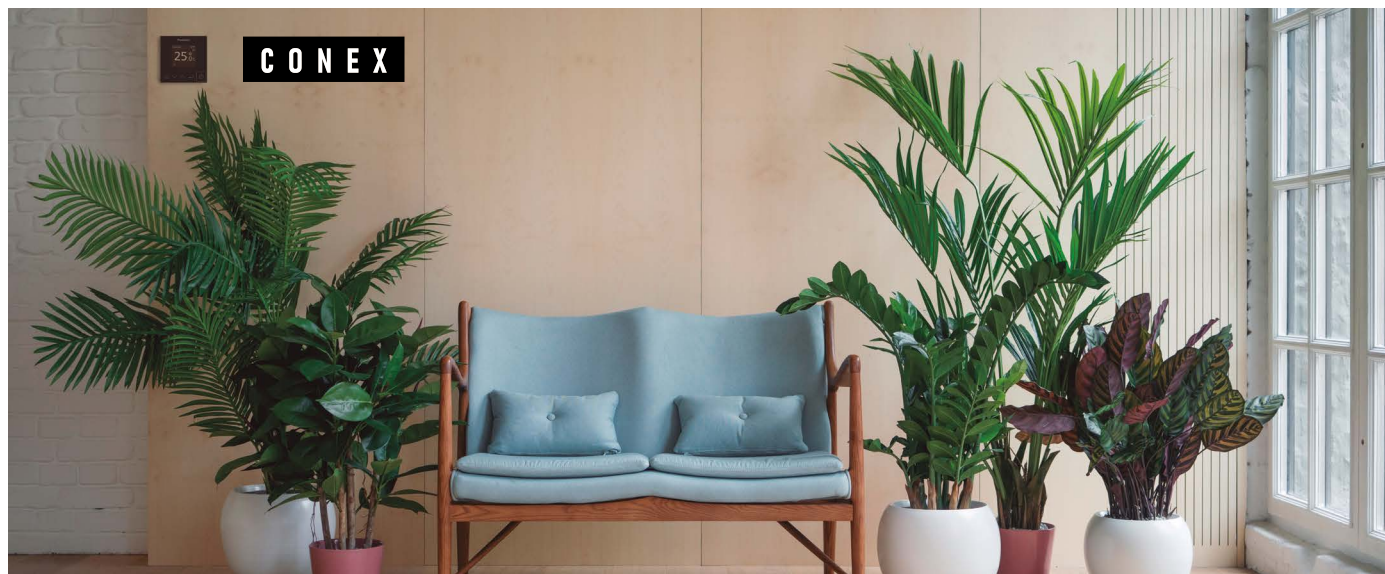
Internal drying of the Indoor unit. Fan rotation and internal dehumidifying.



nanoe™ X cycle within the Indoor unit. Fan rotation and nanoe™ X internal circulation.

CONEX. Devices and apps

CONEX provides comfort and control for varying user needs. Accessible, flexible and scalable with different controllers and apps. Perfectly meeting requirements of modern controls for end user, installer and service. With nanoe™ X function, technology with the benefits of hydroxyl radicals.



1 Intuitive control with stylish design

- Simple operation at a glance
- Clean face with full flat and black LCD display
- Compact body, only 86x86 mm

2 Control comfort with your smartphone

- Flexible control options with IoT integration
- Panasonic H&C Control App for daily remote control operation
- Panasonic Comfort Cloud App for remote operation 24/7/365

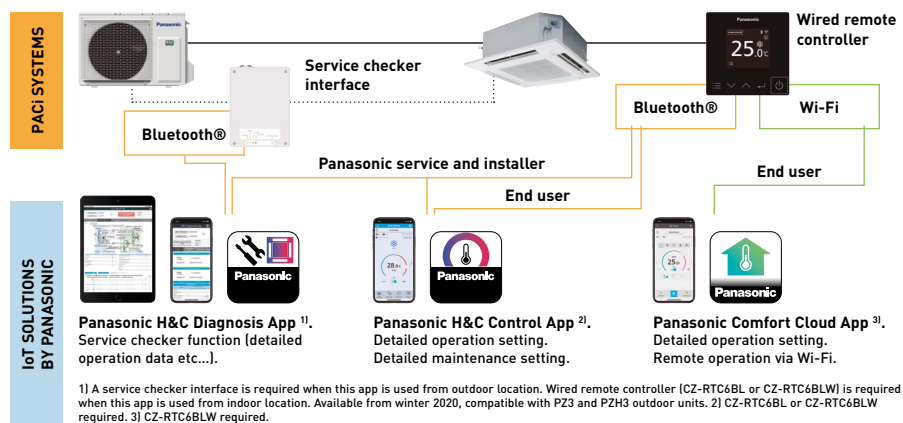
3 Easy maintenance with service support app

- Quick and easy app set-up for system setting
- Panasonic H&C Diagnosis App enables the user to obtain detailed system operation data

* The use of apps depends on the remote controller model.

CONEX with IoT integration

The wired remote controller series is fully integrated with IoT solutions developed by Panasonic. Detailed operation, maintenance setting and service operation are all possible with smartphone or tablet.



Model	CZ-RTC6	CZ-RTC6BL	CZ-RTC6BLW
Wired connection compatible with	PACi, PACi NX, ECOi, GHP	PACi, PACi NX, ECOi, GHP	PACi NX only
Wireless functions	No wireless capability	Bluetooth®	Bluetooth® + Wi-Fi
App compatibility			
Panasonic Comfort Cloud App	—	—	✓
Panasonic H&C Control App	—	✓ PACi, PACi NX, ECOi, GHP	✓ PACi NX only
Panasonic H&C Diagnosis App ¹⁾	—	✓ PACi NX only ²⁾	✓ PACi NX only ²⁾
Outdoor unit settings (remote controller connected to indoor unit)	✓ PACi NX only ²⁾	✓ PACi NX only ²⁾	✓ PACi NX only ²⁾

1) Compatible with U-71/100/125/140PZH3E5/8 and U-100/125/140PZ3E5/8. 2) When connected to PACi NX indoor and outdoor unit combination.

Bringing nature's balance indoors

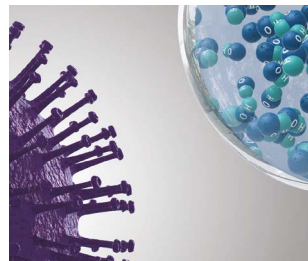
nanoe™ X, technology with the benefits of hydroxyl radicals.

Abundant in nature, hydroxyl radicals (also known as OH radicals) have the capacity to inhibit pollutants, viruses, and bacteria to clean and deodorise. nanoe™ X technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment can be a cleaner and more pleasant place to be, whether at home, work, or visiting hotels, shops and restaurants etc.

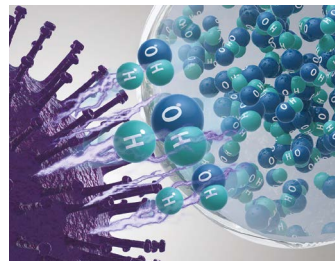


Panasonic's nanoe™ X technology takes this a step further and brings nature's detergent – hydroxyl radicals – indoors to help create an ideal environment

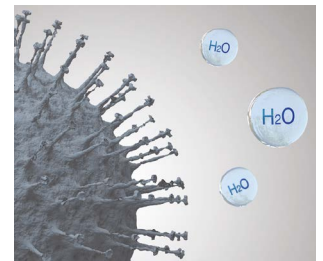
Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances.



1 | nanoe™ X reliably reaches pollutants.



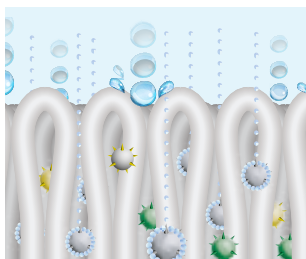
2 | Hydroxyl radicals denature pollutants' proteins.



3 | Pollutants activity is inhibited.

What is unique about nanoe™ X?

Effective on fabrics and surfaces.



1 | At one billionth of a metre, nanoe™ X is much smaller than steam and can deeply penetrate cloth fabrics to deodorise.

Longer lifespan.



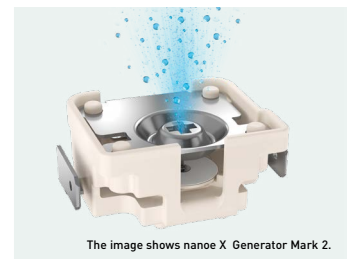
2 | Contained in tiny water particles, nanoe™ X has a longer lifespan to spread easily around the room.

Huge quantity.



3 | nanoe X Generator Mark 2 produces 9,6 trillion hydroxyl radicals per second. Greater amounts of hydroxyl radicals contained in nanoe™ X lead to higher performance on inhibition of pollutants.

Maintenance-free.



The image shows nanoe X Generator Mark 2.

4 | No maintenance, no replacement required. nanoe™ X is a filter free solution that does not require maintenance, as its atomisation electrode is enveloped with water during its generation process and it is made with Titanium.

7 effects of nanoe™ X – Panasonic unique technology

Deodorises



Odours

Capacity to inhibit 5 types of pollutants



Bacteria and viruses



Mould



Allergens



Pollen



Hazardous substances



Skin and hair

* Refer to <https://aircon.panasonic.eu> for more details and validation data.

nanoe™ X, internationally-validated technology in testing facilities

The effectiveness of nanoe™ X technology has been tested by 3rd party laboratories in Germany, France, Denmark, Malaysia and Japan.

The nanoe™ X performance varies depending on the room size, environment and usage and it may take several hours to reach the full effect. nanoe™ X is not medical device, local regulations on building design and sanitary recommendations must be followed.

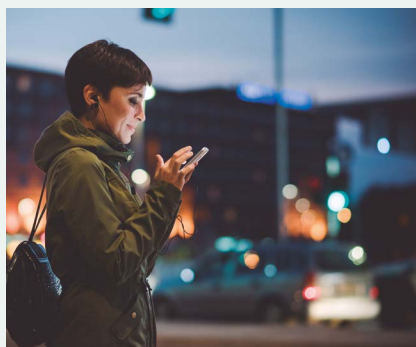
Test results conducted under controlled laboratory conditions. Performance of nanoe™ X might differ in real life environment.

	Tested contents		Result	Capacity	Time	Testing organisation	Report No.
Airborne	Virus	Bacteriophage ΦX174	99,7 % inhibited	Approx. 25 m³	6 h	Kitasato Research Center for Environmental Science	24_0300_1
	Bacteria	Staphylococcus aureus	99,9 % inhibited	Approx. 25 m³	4 h	Kitasato Research Center for Environmental Science	2016_0279
Adhered	Virus	SARS-CoV-2	91,4 % inhibited	6,7 m³	8 h	Texcell (France)	1140-01 C3
		SARS-CoV-2	99,9 % inhibited	45 L	2 h	Texcell (France)	1140-01 A1
	Virus	Xenotropic murine leukemia virus	99,999 % inhibited	45 L	6 h	Charles River Biopharmaceutical Services GmbH	—
		Influenza (H1N1 subtype)	99,9 % inhibited	1 m³	2 h	Kitasato Research Center for Environmental Science	21_0084_1
		Bacteriophage ΦX174	99,80% inhibited	25 m³	8 h	Japan Food Research Laboratories	13001265005-01
	Bacteria	Staphylococcus aureus	99,9 % inhibited	20 m³	8 h	Danish Technological Institute	868988
	Pollen	Ambrosia pollen	99,4 % inhibited	20 m³	8 h	Danish Technological Institute	868988
	Odours	Cigarette smoke odour	Odour intensity reduced by 2,4 levels	Approx. 23 m³	0,2 h	Panasonic Product Analysis Center	4AA33-160615-N04

First nanoe™ device was developed by Panasonic in 2003

Generator	nanoe™	nanoe™ X	
	2003	Mark 1 - 2016	Mark 2 - 2019
	480 billion hydroxyl radicals/sec	4,8 trillion hydroxyl radicals/sec	9,6 trillion hydroxyl radicals/sec
Ion particle structure	Hydroxyl Radicals	10x times	20x times

nanoe™ X: improving protection 24/7



Acts to clean your air, so that the indoor environment can be a cleaner and more pleasant place to be all day long. nanoe™ X works together with heating or cooling function when the during the day and can work independently when the area is not occupied. Give the air conditioning the strength to increase the protection of your indoor spaces with nanoe™ X technology and convenient control via the Panasonic Comfort Cloud App.



Cleans the air when you are away.

Leave the nanoe™ mode ON to inhibit certain pollutants and deodorise before you return home.

Improves your environment when you are at home.

Enjoy a cleaner, comfortable space with loved ones.



<https://www.panasonic.com/uk/nanoe.html>



PACi NX Series Elite and Standard 4 way 60x60 cassette Inverter+ · R32

4 way 60x60 cassette - PY3.

- From 2,5 to 6,0 kW (4 capacity sizes)
- SEER / SCOP class A++*
- Built-in drain pump
- DC drain pump and float switch to reduce the noise
- nanoe™ X (Generator Mark 2= 9,6 trillion hydroxyl radicals/sec) as standard for better indoor air quality

* SCOP class A+ in case of 2,5 / 6,0 kW.



Elite			Single phase		
			3,6 kW	5,0 kW	6,0 kW
Kit			KIT-36PY3ZH5	KIT-50PY3ZH5	KIT-60PY3ZH5
Remote controller			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 - 6,5)
EER ¹⁾	Nominal (Min - Max)	W/W	4,50(4,04 - 5,45)	3,76(3,41 - 5,45)	3,43(2,77 - 5,45)
SEER ²⁾			7,3 A++	7,0 A++	6,7 A++
Pdesign		kW	3,6	5,0	6,0
Input power	Nominal (Min - Max)	kW	0,80(0,22 - 0,99)	1,33(0,22 - 1,64)	1,75(0,20 - 2,35)
Annual energy consumption ³⁾		kWh/a	400	685	875
Heating capacity	Nominal (Min - Max)	kW	4,0(1,2 - 5,0)	5,6(1,2 - 6,5)	7,0(1,2 - 7,5)
COP ¹⁾	Nominal (Min - Max)	W/W	4,12(3,45 - 5,45)	3,37(2,95 - 5,45)	3,35(3,38 - 5,45)
SCOP ²⁾			4,7 A++	4,6 A++	4,3 A+
Pdesign at -10 °C		kW	3,6	4,5	4,6
Input power	Nominal (Min - Max)	kW	0,97(0,22 - 1,45)	1,66(0,22 - 2,20)	2,09(0,22 - 2,22)
Annual energy consumption ³⁾		kWh/a	1073	1370	1495
Indoor unit			S-36PY3E	S-50PY3E	S-60PY3E
Air flow	Hi / Med / Lo	m ³ /min	9,5/7,5/6,0	12,0/9,5/6,5	14,0/10,5/8,0
Moisture removal volume		L/h	1,5	2,5	2,8
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	34/30/25	39/34/27	43/37/31
Sound power	Hi / Med / Lo	dB(A)	49/45/40	54/49/42	58/52/46
Dimension	Indoor (HxWxD)	mm	243x575x575	243x575x575	243x575x575
	Panel (HxWxD)	mm	30x625x625	30x625x625	30x625x625
Net weight	Indoor / Panel	kg	15/2,8	15/2,8	15/2,8
nanoe X Generator			Mark 2	Mark 2	Mark 2
Outdoor unit			U-36PZH3E5	U-50PZH3E5	U-60PZH3E5
Power supply		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3,95 - 3,60 - 3,60	5,30 - 5,00 - 5,75	8,20 - 7,85 - 7,60
	Heat	A	4,75 - 4,55 - 4,35	7,85 - 7,50 - 7,20	9,70 - 9,25 - 8,90
Air flow	Cool / Heat	m ³ /min	34,1/36,4	42,0/42,0	42,0/42,0
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	46/48	47/50
Sound power	Cool / Heat (Hi)	dB(A)	62/64	64/67	65/69
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320
Net weight		kg	42	42	43
Piping diameter	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) ⁵⁾
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) ⁶⁾
Pipe length range		m	3 - 40	3 - 40	3 - 40
Elevation difference (in / out) ⁷⁾		m	15/30	15/30	15/30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	15	15	15
Refrigerant (R32) / CO ₂ Eq.		kg / T	1,13/0,76	1,13/0,76	1,15/0,78
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24

Control ¹⁾



Optional controller. CONEX wired remote controller.
CZ-RTC6 - CZ-RTC6BL
- CZ-RTC6BLW



Optional controller. Infrared remote controller.
CZ-RWS3 +
CZ-RWRY3



Optional Econavi sensor.
CZ-CENSC1

1) Indoor unit is sold without control. This must be purchased separately.



Panel.
CZ-KPY4



Controller.
CZ-RTC5B

Standard

Single phase

			2,5 kW	3,6 kW	5,0 kW	6,0 kW
Kit			KIT-25PY3Z5	KIT-35PY3Z5	KIT-50PY3Z5	KIT-60PY3Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	2,5(1,5 - 3,9)	3,6(1,5 - 4,0)	5,0(1,5 - 5,6)	6,0(2,0 - 7,0)
EER ¹⁾	Nominal (Min - Max)	W/W	4,46(3,55 - 5,88)	3,96(3,57 - 5,88)	3,50(3,03 - 6,25)	3,39(2,77 - 6,90)
SEER ²⁾			6,5 A++	6,7 A++	7,3 A++	6,8 A++
Pdesign		kW	2,5	3,6	5,0	6,0
Input power	Nominal (Min - Max)	kW	0,56(0,26 - 1,10)	0,91(0,26 - 1,12)	1,43(0,24 - 1,85)	1,77(0,29 - 2,53)
Annual energy consumption ³⁾		kWh/a	134	188	238	3,05
Heating capacity	Nominal (Min - Max)	kW	3,2(1,5 - 4,6)	3,6(1,5 - 4,6)	5,0(1,5 - 6,4)	6,0(1,8 - 7,0)
COP ¹⁾	Nominal (Min - Max)	W/W	4,44(3,41 - 6,52)	4,29(3,38 - 6,52)	3,94(2,91 - 7,50)	3,61(2,86 - 7,60)
SCOP ²⁾			4,6 A++	4,3 A+	4,4 A+	4,2 A+
Pdesign at -10 °C		kW	2,8	2,8	4,0	4,6
Input power	Nominal (Min - Max)	kW	0,72(0,23 - 1,35)	0,84(0,23 - 1,36)	1,27(0,20 - 2,20)	1,66(0,24 - 2,45)
Annual energy consumption ³⁾		kWh/a	850	912	1264	1500
Indoor unit			S-25PY3E	S-36PY3E	S-50PY3E	S-60PY3E
Air flow	Hi / Med / Lo	m ³ /min	8,5/7,0/6,0	9,5/7,0/6,0	12,0/9,5/6,5	14,0/10,5/8,0
Moisture removal volume		L/h	0,7	1,5	2,3	2,8
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	31/28/25	34/30/25	39/34/27	43/37/31
Sound power	Hi / Med / Lo	dB(A)	46/43/40	49/45/40	54/49/42	58/52/46
Dimension	Indoor (HxWxD)	mm	243x575x575	243x575x575	243x575x575	243x575x575
	Panel (HxWxD)	mm	30x625x625	30x625x625	30x625x625	30x625x625
Net weight	Indoor / Panel	kg	15/2,8	15/2,8	15/2,8	15/2,8
nanoe X Generator			Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit			U-25PZ3E5	U-36PZ3E5	U-50PZ3E5	U-60PZ3E5A
Power supply		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	2,65 - 2,55 - 2,45	4,20 - 4,05 - 3,85	6,65 - 6,35 - 6,10	8,20 - 7,85 - 7,55
	Heat	A	3,40 - 3,25 - 3,10	3,95 - 3,75 - 3,60	5,695 - 5,70 - 5,45	7,70 - 7,35 - 7,05
Air flow	Cool / Heat	m ³ /min	33,6/34,0	32,6/34,0	32,7/31,9	42,6/41,5
Sound pressure	Cool / Heat (Hi)	dB(A)	46/47	46/47	46/48	47/48
Sound power	Cool / Heat (Hi)	dB(A)	64/66	64/66	64/64	64/65
Dimension	HxWxD	mm	619x824x299	619x824x299	619x824x299	695x875x320
Net weight		kg	32	32	35	46
Piping diameter	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) ⁵⁾
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) ⁶⁾
Pipe length range		m	3 - 15	3 - 15	3 - 20	3 - 40
Elevation difference (in / out) ⁷⁾		m	15/15	15/15	15/15	15/30
Pipe length for additional gas		m	7,5	7,5	7,5	30
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32) / CO ₂ Eq.		kg / T	0,87/0,59	0,87/0,59	1,14/0,77	1,15/0,78
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-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 $\eta_{h,c} / \eta_{h,h}$ 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-RTC6	CONEX wired remote controller (non-wireless)
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®
CZ-RTC6BLW	CONEX wired remote controller with Wi-Fi and Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRV3	Infrared remote controller and receiver
CZ-CAPWFC1	Commercial Wi-Fi Adaptor

Accessories

PAW-PACR3	Interfaces to run 3 units on back-up 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 400x900x400 mm
CZ-CENS1	Econavi energy savings sensor



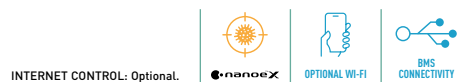
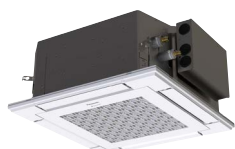
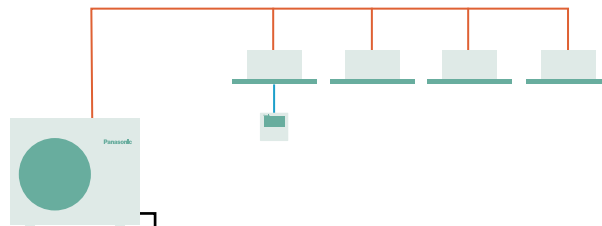
SEER: For S-50PY3E + U-50PZ3E5. SCOP: For S-25PY3E + U-25PZ3E5. ECONAVI and INTERNET CONTROL: Optional.

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 Simultaneous System Combinations

Key features

- Allows higher capacity multi combinations
- A single outdoor unit can split capacity simultaneously across multiple indoor units
- Reduce noise concentration, enables same temperatures to be achieved around the room
- 1 Outdoor unit can be combined with up to 4 Indoor units for simultaneous operation



PACi NX Indoor units

4 way 60x60 cassette	Indoor unit (panel CZ-KPY4)	Cooling capacity	Heating capacity	Dimension indoor	Dimension panel	Sound pressure	Air flow
		kW	kW	HxWxD mm	HxWxD mm	Hi / Med / Lo dB(A)	Hi / Med / Lo m³/min
3,6 kW	S-36PY3E	3,60	3,60	243 x 575 x 575	30 x 625 x 625	34/30/25	9,5/7,0/6,0
5,0 kW	S-50PY3E	5,00	5,00	243 x 575 x 575	30 x 625 x 625	39/34/27	12,0/9,5/6,5
6,0 kW	S-60PY3E	6,00	6,00	243 x 575 x 575	30 x 625 x 625	43/37/31	14,0/10,5/8,0

Control ¹⁾



Optional controller.
CONEX wired remote controller.
CZ-RTC6 - CZ-RTC6BL - CZ-RTC6BLW



Optional controller.
Infrared remote controller.
CZ-RWS3 + CZ-RWRV3



Optional Econavi
sensor.
CZ-CENSC1



Optional controller.
Wired remote controller.
CZ-RTC5B

1) Indoor unit is sold without control. This must be purchased separately.



PACi NX Standard from 10,0 to 12,5 kW

Indoor Capacity	Outdoor 10,0 kW	Indoor Capacity	Outdoor 12,5 kW
5,0 kW		6,0 kW	

PACi NX Standard Outdoor units · R32

		10,0 kW	12,5 kW	14,0 kW
Outdoor unit single phase		U-100PZ3E5	U-125PZ3E5	U-140PZ3E5
Outdoor unit three phase		U-100PZ3E8	U-125PZ3E8	U-140PZ3E8
Cooling capacity	Nominal (Min - Max)	kW 10,0(3,0 - 11,5)	12,5(3,2 - 13,5)	14,0(3,3 - 15,0)
Heating capacity	Nominal (Min - Max)	kW 10,0(3,0 - 14,0)	12,5(3,3 - 15,0)	14,0(3,4 - 16,0)
Power supply	Single phase	V 220-230-240	220-230-240	220-230-240
	Three phase	V 380-400-415	380-400-415	380-400-415
Connection indoor / outdoor		mm² 2x1,5 or 2,5	2x1,5 or 2,5	2x1,5 or 2,5
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	HxWxD	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 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	Min ~ Max	m 5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in / out) ¹⁾	Max	m 15/30	15/30	15/30
Pipe length for additional gas		m 30	30	30
Additional gas amount		g/m 45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T 2,4 / 1,62	2,8 / 1,89	2,8 / 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) Outdoor unit located lower / outdoor unit located higher.



Application use

- Small offices
- Restaurants

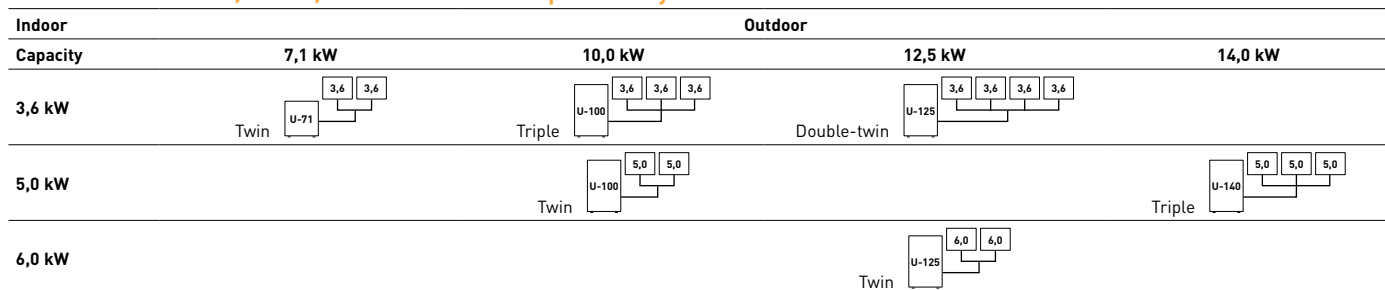


PACi Elite Outdoor units · R32

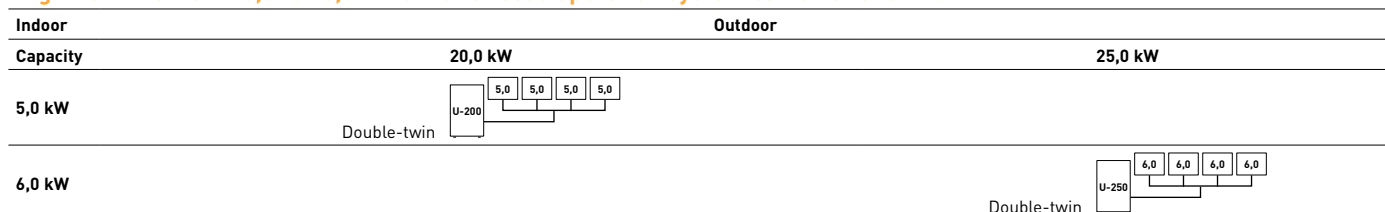
			PACi NX				Big PACi	
			7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
Outdoor unit single phase			U-71PZH3E5	U-100PZH3E5	U-125PZH3E5	U-140PZH3E5	—	—
Outdoor unit three phase			U-71PZH3E8	U-100PZH3E8	U-125PZH3E8	U-140PZH3E8	U-200PZH2E8	U-250PZH2E8
Cooling capacity	Nominal (Min - Max)	kW	6,8(2,2 - 9,0)	9,5(3,1 - 12,5)	12,1(3,2 - 14,0)	13,4(3,3 - 16,0)	20,0(5,7 - 22,4)	25,0(6,1 - 28,0)
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)	22,4(5,0 - 25,0)	28,0(5,5 - 31,5)
Power supply	Single phase	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	—	—
	Three phase	V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Connection indoor / outdoor		mm ²	2x1,5 or 2,5	2x1,5 or 2,5	2x1,5 or 2,5	2x1,5 or 2,5	—	—
Air flow	Cool / Heat	m ³ /min	61,0/60,0	118,0/108,0	125,0/112,0	129,0/116,0	164/164	160/160
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54	59/61	59/63
Sound power	Cool / Heat (Hi)	dB(A)	65/67	69/69	70/70	71/71	77/79	78/82
Dimension	HxWxD	mm	996x940x340	1416x940x340	1416x940x340	1416x940x340	1500x980x370	1500x980x370
Net weight		kg	65	98	98	98	117	128
Piping diameter	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	1 (25,40)	1 (25,40)
Pipe length range	Min ~ Max	m	5 - 50	5 - 85	5 - 85	5 - 85	5 - 80	5 - 60
Elevation difference (in / out)	Max	m	15/30 ¹⁾	15/30 ¹⁾	15/30 ¹⁾	15/30 ¹⁾	30	30
Pipe length for additional gas		m	30	30	30	30	30	30
Additional gas amount		g/m	45	45	45	45	60	80
Refrigerant (R32) / CO ₂ Eq.		kg / T	1,95/1,32	3,05/2,06	3,05/2,06	3,05/2,06	4,20/2,835	5,20/3,51
Operating range	Cool Min ~ Max	°C	-15 ~ 48	-20 ~ +48 ²⁾	-20 ~ +48 ²⁾	-20 ~ +48 ²⁾	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ +24	-20 ~ +24

1) Outdoor unit located lower / outdoor unit located higher. 2) For models 100 - 140PZH3E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less.

PACi NX Elite from 7,1 to 14,0 kW simultaneous operation system combinations · R32



Big PACi Elite from 20,0 to 25,0 kW simultaneous operation system combinations · R32

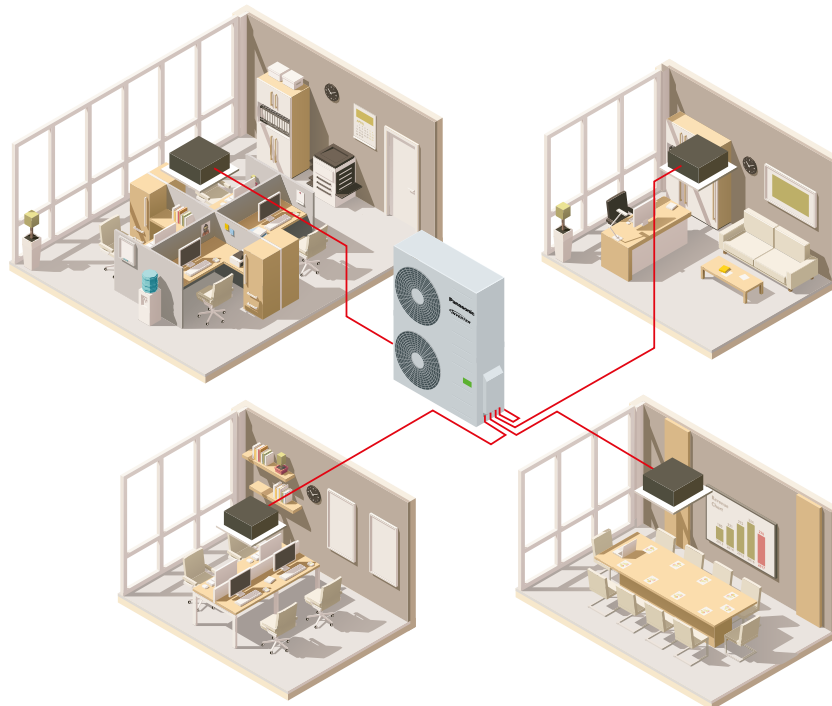


RAC Multi System Combinations

Key features

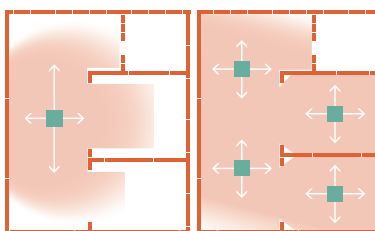
Up to 5 indoor units with a single outdoor unit.

- Just one compact outdoor unit
- Increased comfort in the house since every room has its own indoor unit for heating or cooling
- More powerful than a single split
- More efficient since the units are always operating at full capacity
- Indoor units compatible with internet and voice control
- Ideal for residential applications



Solution with single split.

One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.



Solution with multi split.

With one outdoor unit, you can connect up to five indoor units. There is one indoor unit per room or area. It gives an extreme increase in comfort levels. On the roof, there is only one outdoor unit.



Panel (sold separately).
CZ-KPY4

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



RAC Indoor unit

4 Way 60x60 cassette*	Model (Panel CZ-KPY4)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ²⁾	Dimension / Net weight		Piping diameter
		kW	kW		Cool — Heat (Hi/L0/S-Lo) dB(A)	Indoor HxWxD mm / kg	Panel HxWxD mm / kg	Liquid / Gas pipe Inch (mm)
2,0 kW	S-M20PY3E	2,00	3,20	4 x 1,5	33/30/27 — 33/30/27	243x575x575/15	30x625x625/2,8	1/4 (6,35) / 1/2 (12,70)
2,5 kW	S-25PY3E	2,50	3,60	4 x 1,5	33/30/27 — 33/30/27	243x575x575/15	30x625x625/2,8	1/4 (6,35) / 1/2 (12,70)
3,5 kW ²⁾	S-36PY3E	3,50	3,60	4 x 1,5	36/32/27 — 36/32/27	243x575x575/15	30x625x625/2,8	1/4 (6,35) / 1/2 (12,70)
5,0 kW ⁴⁾	S-50PY3E	5,00	6,80	4 x 1,5	41/36/29 — 41/36/29	243x575x575/15	30x625x625/2,8	1/4 (6,35) / 1/2 (12,70)
6,0 kW	S-60PY3E	6,00	8,50	4 x 1,5	45/39/33 — 45/39/33	243x575x575/15	30x625x625/2,8	3/8 (9,52) / 5/8 (15,88)

* Compatible with Commercial control and connectivity accessories only.

Control ¹⁾



Optional controller.
CONEX wired remote controller.
CZ-RTC6 - CZ-RTC6BL²⁾ - CZ-RTC6BLW²⁾

²⁾ For full details, please contact your local Panasonic sales representative systems section.



Optional controller.
Infrared remote controller.
CZ-RWS3 + CZ-RWRY3



Optional Econavi sensor.
CZ-CENSC1



Optional controller.
Wired remote controller.
CZ-RTC5B

¹⁾ Indoor unit is sold without control. This must be purchased separately.



RAC Outdoor unit			CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
Indoor nominal capacity (Min - Max)			3,2 ~ 6,0 kW	3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW	4,5 ~ 11,2 kW	4,5 ~ 11,5 kW	4,5 ~ 14,7 kW	4,5 ~ 18,3 kW
Cooling capacity	Nominal	kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
	Min		1,50	1,50	1,50	1,80	1,90	1,90	3,00	2,90
	Max		4,50	5,20	5,40	7,30	8,00	8,80	9,20	11,50
EER ¹⁾	Nominal	W/W	4,86	4,56	4,24	4,77	3,66	4,39	4,04	4,09
	Min		6,00	6,00	6,00	—	7,04	5,59	5,66	5,27
	Max		4,09	3,80	3,62	—	3,38	3,56	3,21	2,98
SEER ²⁾			8,50 A+++	8,50 A+++	8,50 A+++	8,50 A+++	8,00 A++	8,00 A++	7,90 A++	8,50 A+++
Pdesign (cooling)		kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
Input power	Nominal	kW	0,72	0,90	1,18	1,09	1,86	1,55	1,98	2,20
	Min		0,25	0,25	0,25	0,36	0,27	0,34	0,53	0,55
	Max		1,10	1,37	1,49	2,18	2,37	2,47	2,87	3,86
Annual energy consumption ³⁾		kWh/a	144	169	206	214	298	298	990	1100
Heating capacity	Nominal	kW	4,20	4,60	5,60	6,80	8,50	8,50	9,40	10,40
	Min		1,10	1,10	1,10	1,60	3,30	3,00	4,20	3,40
	Max		5,60	7,00	7,20	8,30	10,40	10,60	10,60	14,50
Heating capacity at -7 °C		kW	3,39	4,18	4,28	3,95	4,45	4,45	6,42	8,62
COP ¹⁾	Nominal	W/W	4,88	4,79	4,63	4,63	3,95	4,47	4,63	4,84
	Min		5,24	5,24	5,24	5,00	5,32	5,17	6,00	6,42
	Max		4,18	3,91	4,00	3,82	3,64	3,96	3,46	3,42
SCOP ²⁾			4,60 A++	4,60 A++	4,60 A++	4,20 A+	4,20 A+	4,20 A+	4,70 A++	4,68 A++
Pdesign at -10 °C		kW	3,20	3,50	4,20	5,00	5,20	5,80	6,80	8,50
Input power	Nominal	kW	0,86	0,96	1,21	1,47	2,15	1,90	2,03	2,15
	Min		0,21	0,21	0,21	0,32	0,62	0,58	0,70	0,53
	Max		1,34	1,79	1,80	2,17	2,86	2,68	3,06	4,24
Annual energy consumption ³⁾		kWh/a	974	1065	1278	1667	1733	1933	2026	2543
Current	Cool / Heat	A	3,35/4,00	4,15/4,45	5,35/5,50	5,00/6,70	8,40/9,70	7,00/8,60	9,50/9,50	10,50/10,10
Power supply		V	230	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20	25
Recommended power cable section		mm ²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	4,0
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48/50	48/50	50/52	47/48	51/52	49/50	51/52	53/54
Dimension ⁵⁾	H x W x D	mm	619x824x299	619x824x299	619x824x299	795x875x320	795x875x320	795x875x320	999x940x340	999x940x340
Net weight		kg	39	39	39	71	71	72	80	81
Piping diameter	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Pipe length range total ⁶⁾		m	6-30	6-30	6-30	6-50	6-60	6-60	6-70	6-80
Pipe length range to one unit		m	3-20	3-20	3-20	3-25	3-25	3-25	3-25	3-25
Elevation difference (in / out)		m	10	10	10	15	15	15	15	15
Pipe length for additional gas		m	20	20	20	30	30	30	45	45
Additional gas amount		g/m	15	15	15	20	20	20	20	20
Refrigerant (R32) / CO ₂ Eq.		kg / T	1,12/0,756	1,12/0,756	1,12/0,756	2,10/1,418	2,10/1,418	2,10/1,418	2,72/1,836	2,72/1,836
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-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. 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 a position 1 m in front and 1 m in rear side of the main body. The sound pressure is measured in accordance with JIS C 9612. 5) Add 70 or 95 mm for piping port. 6) Minimum piping length is 3 meters per indoor unit.

RAC Possible outdoor / indoor units combinations

Rooms	Outdoor unit	Indoor capacity connected (Min - Max)	4 Way 60x60 cassette				
			20	25	35	50	60
2	CU-2Z35TBE	3,2 ~ 6,0 kW	• ¹⁾	• ¹⁾	• ¹⁾		
	CU-2Z41TBE	3,2 ~ 6,0 kW	• ¹⁾	• ¹⁾	• ¹⁾		
	CU-2Z50TBE	3,2 ~ 7,7 kW	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	
3	CU-3Z52TBE	4,5 ~ 9,5 kW	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	
	CU-3Z68TBE	4,5 ~ 11,2 kW	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾
4	CU-4Z68TBE	4,5 ~ 11,5 kW	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾
	CU-4Z80TBE	4,5 ~ 14,7 kW	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾
5	CU-5Z90TBE	4,5 ~ 18,3 kW	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾

1) Pipe reducer CZ-MA1PA required. 2) Pipe reducer CZ-MA2PA required.



Panasonic air conditioners provide more savings and more comfort

We believe that going green shouldn't compromise on comfort.

Our super silent air conditioners guarantee clean indoor air to take care of you and your family. For a cleaner living environment, the nanoe™ X helps improve the quality of the indoor air as well as your surroundings. Together, these breakthrough technologies embody Panasonic's Eco Clean Life Innovation - innovations that improve our environment whilst making life as comfortable as possible.

Energy saving



Refrigerant gas R32.
Our heat pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle.



Exceptional seasonal cooling efficiency based on the ErP regulation.
Higher SEER ratings mean greater efficiency - year-round cooling savings!



Exceptional seasonal heating efficiency based on the ErP regulation.
Higher SCOP ratings mean greater efficiency - year-round heating savings!



Econavi.
Intelligent Human Activity Sensor and Sunlight Sensor technologies that can detect and reduce waste energy, by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.



Inverter Plus.
Inverter Plus System classification highlights Panasonic's highest performing systems.



Inverter.
The Inverter range provides greater efficiency and comfort. Provides more precise temperature control, without highs and lows, and keeps the ambient temperature constant with lower energy consumption and a significant reduction in noise and vibration levels.



Panasonic R2 rotary compressor.
Designed to withstand extreme conditions, it delivers high performance and efficiency.

High performance



Down to -15 °C in cooling mode.
The air conditioner works in cooling mode when the outdoor temperature of -15 °C.



Down to -20 °C in heating mode.
All our commercial systems operate in heating to -15 °C, with models capable of up to -20 °C.



nanoe™ X.
Technology with the benefits of hydroxyl radicals has the capacity to inhibit pollutants, viruses, and bacteria to clean and deodorise.



DC fan.
Safe and precise.



R410A/R22 renewal.
The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.



5 Years compressor warranty.
We guarantee the outdoor unit compressors in the entire range for five years.

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Internet control.
A next generation system providing user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android™ or iOS smartphone, tablet or PC via the internet.



BMS connectivity.
The communication port can be integrated into the indoor unit and provides easy connection to, building management system, providing control of your Panasonic heat pump.

Panasonic®

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