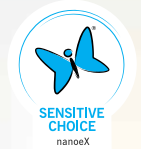


Panasonic

Air Conditioning Cooling | Heating | Air Purification




QUALITY AIR FOR LIFE


QUALITY AIR FOR LIFE

We care about the food we eat, and the water that we drink; But what about the air that we breathe?

Indoor Air Quality (IAQ) is an increasingly prevalent concern in a world faced with rising levels of pollution, temperatures and climate change. At Panasonic, we're committed to delivering more than just cooling and heating solutions, we consistently strive to help you make positive choices, bringing you Quality Air, for Life.

We breathe in
**18kg of
AIR**
a person a day

WATER
 **1.2kg**
a person
a day

FOOD
 **1.3kg**
a person
a day



Class Leading Features



Quality Air for Life

The Panasonic nanoe™ X utilises next gen technology to remove dust, inhibit the growth of bacteria, mould and viruses, and deodourise, ensuring quality air, for life.

Please refer to pages 8 & 9 for more details.

Market Leading Connectivity

Control your air in more ways with Panasonic air conditioning's market leading connectivity; Now Google Assistant & Amazon Alexa compatible*.

Refer to page 11 for terms and conditions.

*Time of release Quarter 3 2019. Google is a trademark of Google LLC. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.



AEROWINGS



INVERTER

Complete Air Purification

Purify your air 24 hours a day at only 35kW/Hour*. Whether you're at home or away, nanoe™ X leaves you with cleaner and more comfortable spaces.

* Energy consumption may vary depending on models.

Control, Comfort & Reassurance

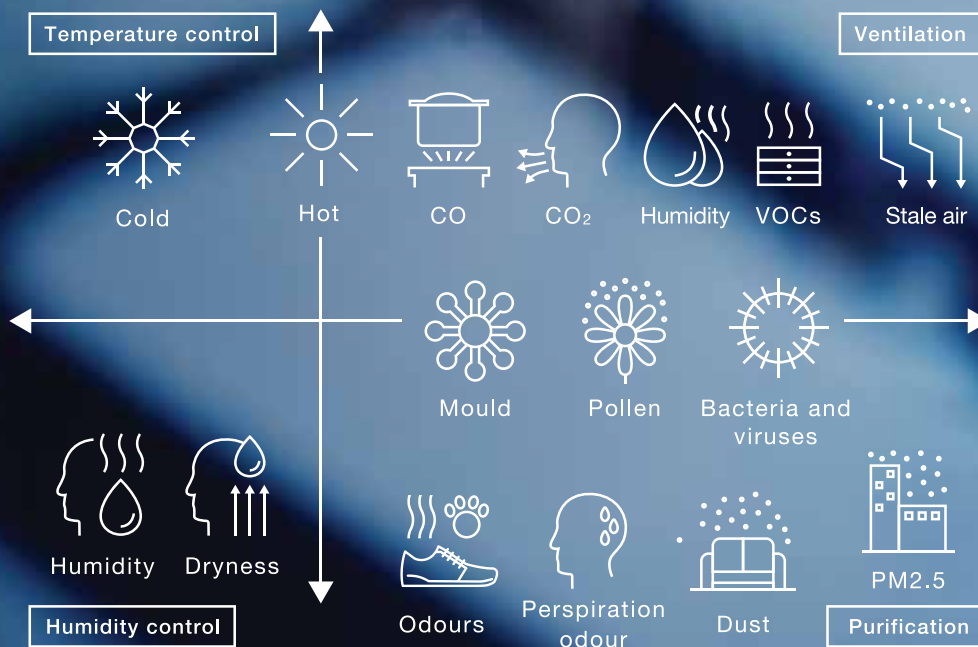
Featuring leading technologies that provide shower/fast cooling, quiet operation and energy efficiency; your control, comfort, and reassurance are accounted for.

Awareness of Indoor Air Quality

Clean air is essential to fostering and maintaining a healthy lifestyle; Though there is little awareness of the invisible issues within IAQ. Australians spend 90%* or more of their time indoors. Increasingly, as our homes and living/working spaces have become better sealed from the external environment, pollutants from indoor sources (e.g. gas cookers, heaters, wood fires, mould, pollen, etc.) are being found at higher concentrations. Panasonic works to improve your IAQ by removing/reducing those invisible issues, bringing you peace of mind in the quality of your air.

*According to the Australian Government, Department of Environment & Energy (2019)
<https://www.environment.gov.au/protection/air-quality/indoor-air>

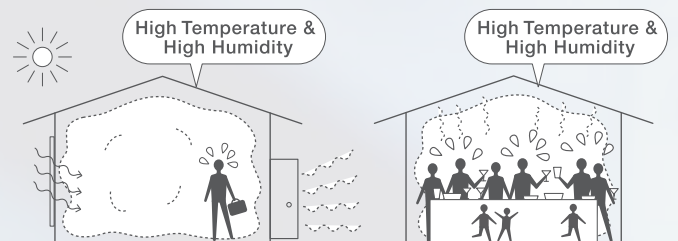
Invisible issues with indoor air environments



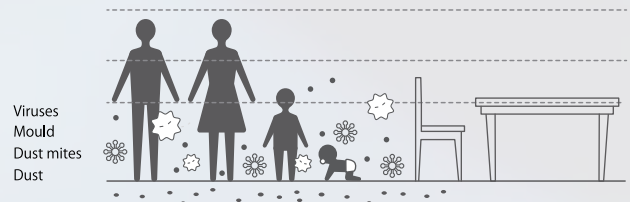
PM2.5: refers to atmospheric particulate matter (PM) that have a diameter of less than 2.5 micrometers (approximately 3% the diameter of a human hair). Due to their size, fine particles tend to stay longer in the air than heavier particles; this increases the chance of inhalation. These particles are able to bypass the nose and throat and penetrate deep into the lungs and some may even enter the circulatory system, having an adverse effect on ones health.
<https://www.health.nsw.gov.au/environment/air/Pages/particulate-matter.aspx>

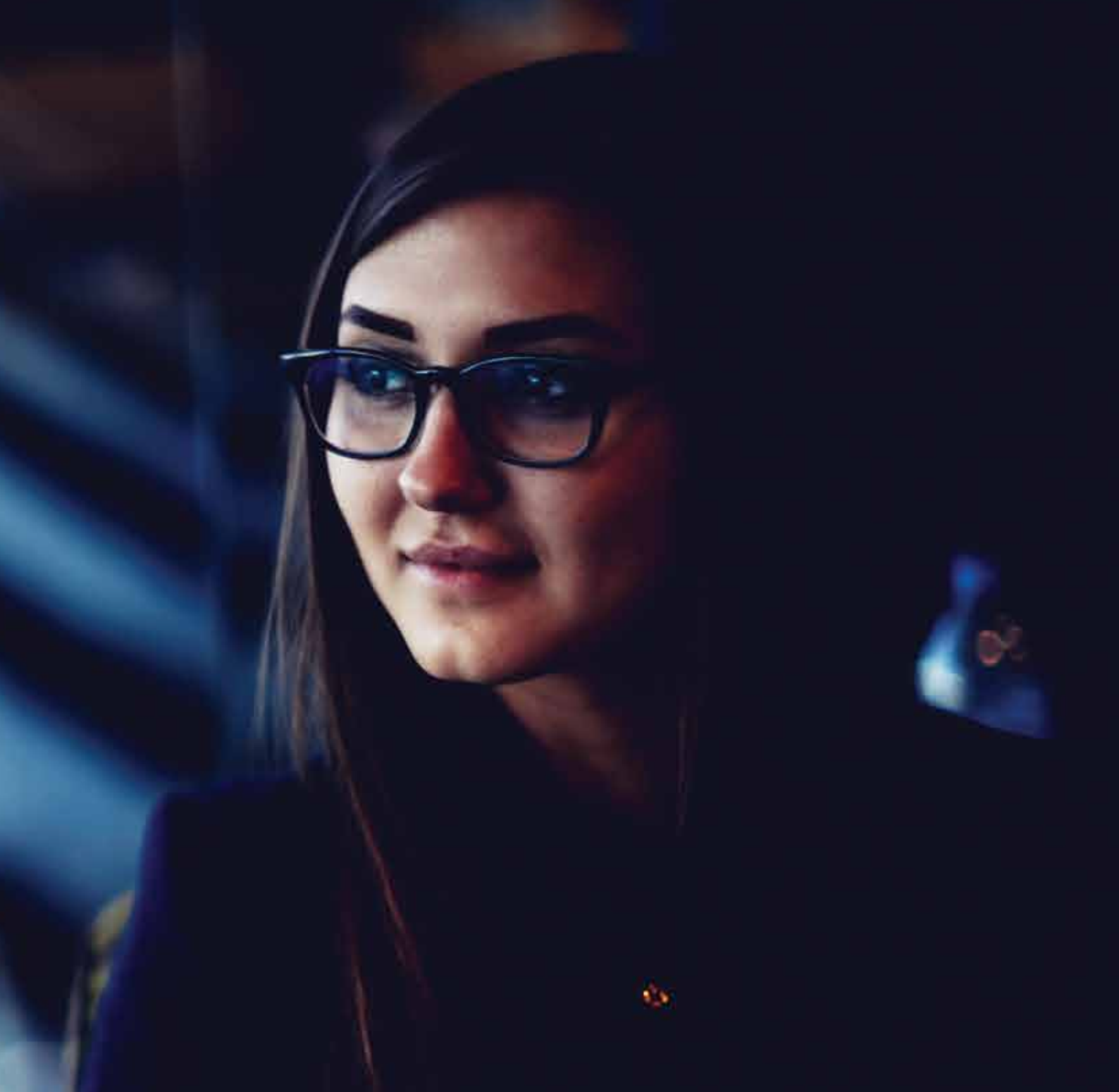
Living Room

Hot air tends to stagnate in closed spaces. Consequently, indoor temperatures and humidity increase. Conditions also worsen the more people there are within the room.



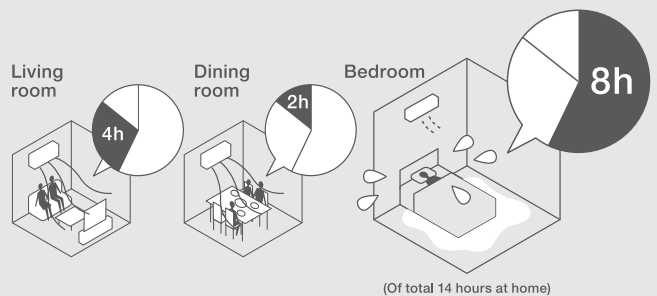
Pollutants are present at higher concentrations towards the floor. As such, Children are at a higher risk of constant contact.





Bedroom

The bedroom is where we spend a majority of our time at home; The average Australian spending 8 hours or more here.



Study

Concentration is affected by loud operating noises. Moreover, smaller spaces have a tendency of feeling colder.



Panasonic's Advanced Air Purification System

Panasonic's nanoe™ X Technology is a revolutionary air purification system that keeps your living space fresh and clean for you and your family.



Sensitive Choice



Sensitive Choice is a community service program that aims to educate people about the importance of managing their asthma and allergies. Developed by the National Asthma Council Australia in 2006, the program also encourages companies to produce products and services that are more asthma and allergy aware.

Panasonic and Sensitive Choice have partnered to introduce the nanoe™ X to the Australian market. Purifying your air 24 hours, the nanoe™ X feature can function independently or concurrently with your air conditioner. This market leading Air Sterilisation technology works towards the inhibition of bacteria, viruses, allergens, pollens and mould within your indoor environment, whilst deodourising, keeping your home or office fresh and clean. Panasonic & Sensitive Choice are committed to bringing you Quality Air, for Life.

The 7 benefits of



- 1 Active Deodourisation**
Penetrating into the deepest parts of fibres, nanoeX™ eliminates frequently encountered odours, creating cleaner and fresher spaces.



- 2 Inhibition of Bacteria & Viruses**
nanoeX™ envelops and inhibits the activity of airborne and adhered Bacteria & Viruses.



- 3 Inhibition of Mould growth**
Common airborne & adhered mould found inside living/working spaces are enveloped and inhibited by nanoeX™.



- 4 Inhibition of major Allergens**
In addition to allergens from sources such as dog/cat dander, mite faeces / carcasses, and airborne mould, other major allergens are inhibited by nanoeX™.



- 5 Inhibition of Pollen**
nanoeX™ is effective in inhibiting a variety of pollens globally, all year around. The inhibition effect has been confirmed on a number of common species found internationally.



- 6 Breakdown of Hazardous Substances**
nanoeX™ has been confirmed to inhibit and breakdown common hazardous/harmful substances found in PM2.5, ensuring that the air you breathe is cleaner and safer.



- 7 Hydrates and Moisturises**
nanoeX™ combines with natural sebum (natural skin oils) to coat the skin, leading to a smoother, well-hydrated complexion.

A Smarter Way to Control Your Air



The Panasonic Comfort Cloud App & WLAN Smart Adaptor deliver convenient control, connectivity and comfort. Seamlessly adjust temperature, monitor energy consumption, change modes, etc. all from just one mobile device*.

Now Google Assistant and Amazon Alexa Compatible*.



SMART Control

Control, monitor & analyse up to 200 units in multiple locations from just one device.



SMART Comfort

Control your comfort 24 hours a day with remote AC access features, air purification functionality and much more.



SMART Efficiency

Analyse and compare energy consumption, improving energy efficiency and cost effectiveness.



SMART Assist

Monitor & manage air conditioner troubleshooting effortlessly whilst assigning user control permissions.



Intuitive Voice Control

Introducing intuitive voice control with Google Assistant and Amazon Alexa control compatibility*. Using your existing Google assistant or Alexa devices, control your air conditioner with just your voice.

*CZ-TACG1 & updated firmware required.



Compatible Device and Browsers

1. iOS 9.0 or above
2. Android 4.4 or above



Please note: This is not a definitive list of all compatible devices, other similar devices which use supported Operating Systems should also work either via dedicated Apps. Please note that user experience may vary slightly depending on hardware and software combination.

* CZ-TACG1 WLAN Adaptor required per unit. Requires an Internet connection and the App downloaded from the App Store or GooglePlay Store on your smartphone or tablet with the latest Operating System available. *To use Amazon Alexa to control your air conditioner, you will need an Amazon Echo device.

*To use Google Assistant to control your air conditioner, you will need an Google Assistant device.

*Time of release Quarter 3 2019. Google is a trademark of Google LLC. Amazon, Alexa and all related logos are trademarks of Amazon.com,Inc. or its affiliates.

*Wireless LAN Remote Control for Internet Connection required optional network adaptor.

*Indoor temperature display and some special function are not available through the App for all models.

*Indoor image displayed may not match with actual unit.

Complete Air Purification – Pu



Maintenance Free

No maintenance required for nanoe™ X ioniser.



24



Return to a fresh smelling home every time



Leave nanoe mode on to deodorise, sterilise and refresh*1.

Purifies When You're Away



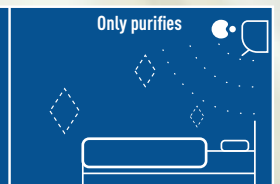
Step 1:
Turn ON your air conditioner with Panasonic's Comfort Cloud App

Step 2:
Select nanoe™ mode from 'Mode Selection'. nanoe™ mode is displayed on screen.

Living Room + Dining Room



Bedroom



Time spent away
10hrs

*1 CZ-TACG1 WLAN Adaptor and internet connection required for operation.

*1 Functionality may vary by model

Purifies Your Air Wherever You Are



Purifies Home
hrs

Only at 35W/Hour*2 

Low energy consumption with fan mode 35W per hour for a single unit.

A cleaner & more comfortable space.

Take care of your air for a happier, healthier, and more comfortable home.



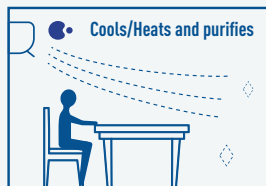
Purifies When You're At Home



Step 1:
Turn OFF air conditioner

Step 2:
Turn ON nanoe™ mode

Living Room + Dining Room

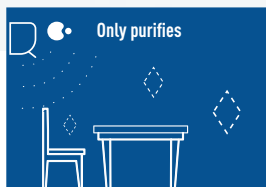


Time spent in the room: 6hrs

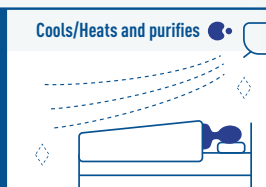
Bedroom



Living Room + Dining Room



Bedroom



Time spent in the room: 8hrs

*2 Energy consumption may vary depending on models.

WALL-MOUNTED : AERO SERIES PREMIUM REVERSE CYCLE INVERTER Single -Split Type



CS-Z25VKR | CS-Z35VKR | CS-Z42VKR



CS-Z50VKR | CS-Z60VKR | CS-Z71VKR | CS-Z80VKR



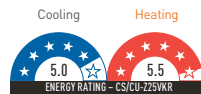
Wireless Remote Controller



CZ-RD514C Wired Remote Controller (Optional)



CZ-TACG1 Network Adaptor*1 (Optional)



Wireless Remote Controller



CZ-RD514C Wired Remote Controller (Optional)



CZ-TACG1 Network Adaptor*1 (Optional)



Cooling [] : Outdoor Unit EER : Cooling Efficiency Heating COP: Heating Efficiency

SPECIFICATIONS

MODEL		[240V / 1 Phase / 50Hz]	CS-Z25VKR [CU-Z25VKR]	CS-Z35VKR [CU-Z35VKR]	CS-Z42VKR [CU-Z42VKR]	CS-Z50VKR [CU-Z50VKR]	CS-Z60VKR [CU-Z60VKR]	CS-Z71VKR [CU-Z71VKR]	CS-Z80VKR [CU-Z80VKR]
Cooling / Heating Capacity	(min-max) kW		2.50 [0.90-3.00] 3.20 [0.90-5.00]	3.50 [0.90-4.00] 4.30 [0.90-5.80]	4.20 [0.90-5.00] 5.10 [0.90-7.10]	5.00 [0.95-6.00] 6.00 [1.05-8.00]	6.00 [1.70-7.10] 7.20 [1.70-8.50]	7.10 [1.70-8.10] 8.00 [1.70-9.90]	8.00 [2.30-9.00] 9.00 [2.20-11.00]
	(min-max) Btu/h		8,530 [3,070-10,200] 10,900 [3,070-17,100]	11,900 [3,070-13,600] 14,700 [3,070-19,800]	14,300 [3,070-17,100] 17,400 [3,070-24,200]	17,100 [3,240-20,500] 20,500 [3,580-27,300]	20,500 [5,800-24,200] 24,600 [5,800-29,000]	24,200 [5,800-27,600] 27,300 [5,800-33,800]	27,300 [7,840-30,700] 30,700 [7,500-37,500]
Air Flow	Indoor	L/s	193/203	207/220	222/222	328/332	332/340	355/362	370/370
Dehumid		L/h	1.5	2.0	2.4	2.8	3.3	4.1	4.7
Electrical Data	Running Current	A	2.30/2.90	3.75/4.40	4.70/5.90	5.10/5.80	7.00/7.80	8.60/9.20	10.90/11.30
	Power Input (min-max)	kW	0.50 [0.18-0.75] 0.62 [0.17-1.30]	0.80 [0.20-1.06] 0.94 [0.18-1.56]	1.07 [0.22-1.60] 1.34 [0.23-2.25]	1.13 [0.21-2.05] 1.31 [0.23-2.65]	1.58 [0.44-2.20] 1.78 [0.40-2.50]	1.97 [0.44-2.48] 2.11 [0.40-3.00]	2.32 [0.46-2.82] 2.41 [0.50-3.30]
A/EER / EER ACOP / COP	W/W		4.87/5.00	4.31/4.38	3.88/3.93	4.38/4.42	3.77/3.80	3.58/3.60	3.43/3.45
	W/W		5.06/5.16	4.51/4.57	3.77/3.81	4.54/4.58	4.02/4.04	3.77/3.79	3.72/3.73
Star Rating			5.0 5.5	4.0 4.5	3.0 3.0	3.0 4.5	4.0 3.5	2.5 3.0	2.0 2.5
Noise Level	Sound Pressure Level*2 dB(A)	Indoor (H / L / Q-Lo)	43/25/19 42/21/21	44/26/19 46/29/21	47/30/23 46/31/27	47/34/31 45/33/29	47/36/33 47/35/32	49/37/34 49/37/34	51/38/35 50/38/35
		Outdoor (H / Q-Lo)	47/- 47/-	49/- 50/-	47/42 47/42	48/43 48/43	53/48 53/48	54/49 54/49	55/50 55/50
	Sound Power Level dB	Indoor (H / L / Q-Lo)	59/41/35 58/43/37	60/42/35 62/45/37	63/46/39 62/47/43	63/50/47 61/49/45	63/52/49 63/51/48	65/53/50 65/53/50	67/54/51 66/54/51
		Outdoor (H / Q-Lo)	62/- 62/-	64/- 65/-	62/57 62/57	62/57 62/57	67/62 67/62	68/63 68/63	69/64 69/64
Net Weight	Indoor [Outdoor]	kg	10(31)	10(31)	10(43)	13(44)	13(50)	13(50)	13(60)
Dimensions	Indoor (H x W x D)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	302 x 1,120 x 236	302 x 1,120 x 236	302 x 1,120 x 236	302 x 1,120 x 236
	Outdoor (H x W x D)	mm	542 x 780 x 289	542 x 780 x 289	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	795 x 875 x 320
Refrigerator Pipe Diameter	Liquid Side	mm/(inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm/(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)	ø 12.70 (1/2)	ø 15.88 (5/8)	ø 15.88 (5/8)
Pipe Extension Length		min-max (m)	3-20	3-20	3-30	3-30	3-30	3-30	3-30
Maximum Elevation Length		m	15	15	15	15	15	20	20
Pipe Length For Additional Gas		m	7.5	7.5	7.5	10	10	10	10
Additional Gas Amount		g/m	10	10	15	15	15	25	25
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling	Degree °C	+5 ~ +46	+5 ~ +46	+5 ~ +46	+5 ~ +46	+5 ~ +46	+5 ~ +46	+5 ~ +46
	Heating	Degree °C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Refrigerant Type			R32	R32	R32	R32	R32	R32	R32

*1 Indoor temperature display and some special function are not available through the App for all models.

*2 Sound pressure level specification is measured according to JIS C9612.

SPECIFICATIONS & FEATURES

Products in this brochure contain R32 refrigerant. Please refer to Panasonic's installation instructions and service manuals before installation and servicing this product.

Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so.

The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products.

Suitable access for warranty and service is required.

Future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.

ALL CAPACITY AND ENERGY EFFICIENCY RATINGS ARE BASED ON AS/NZS3823.1.1

	Indoor temperature	27°C DB/19°C WB
COOLING	Outdoor temperature	35°C DB
HEATING	Indoor temperature	20°C DB
	Outdoor temperature	7°C DB / 6°C WB

Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.

FEATURES EXPLANATION

ENERGY SAVINGS

INVERTER CONTROL

Varies the rotation speed of the compressor for higher energy savings.



ECO MODE

More energy saving compared to the normal mode by automatically adjusting the set temperature by up to 2°C. It's ideal when you want to maintain room temperature for gentle cooling and heating.



COMFORT

iAUTO-X

Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air.



QUIET MODE

Enjoy the comfort of running your air conditioner at night and still have a relaxing sleep.



PERSONAL AIRFLOW CREATION

Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote, even from a distance.



MILD DRY COOLING

Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature.



FAN MODE

Allows you to run the fan without any cooling or heating, thus giving just ventilation.



AUTO CHANGEOVER (INVERTER)

In Auto Mode the unit will select if heating or cooling is required.



POWERFUL MODE

Pressing the Powerful button cools or heats the room quickly. It provides fast comfort, with full power and a strong airflow. This is perfect for use immediately after coming home, or when unexpected guests arrive.



SOFT DRY OPERATION MODE

Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.



HOT START CONTROL

On the start of the heating cycle and after the defrost cycle, the indoor fan will start up once the indoor heat exchanger is warm.



CLEAN & HEALTHY AIR

nanoe™ X

nanoe™ X deodorises and inhibits the growth of bacteria and viruses, for a fresher and cleaner living space.



ODOUR-REMOVING FUNCTION

With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed.



REMOVABLE, WASHABLE PANEL

Gives you easy access to the filter as well making the unit easy to clean.



The unit must be in cool or dry mode and the fan speed must be set to automatic.

CONVENIENCE

24-HOUR DUAL ON & OFF REAL SETTING TIMER

This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.



3RD PARTY CONNECTIVITY

Allows limited control from an external source when wired to do so.



WIRED REMOTE CONTROL (OPTIONAL)

For use in commercial applications, or where users don't want a remote control.



DEMAND RESPONSE ENABLING DEVICE (DRED)

Allows Electrical Utility Companies to regulate the power supply to the units if connected.



LCD WIRELESS REMOTE CONTROL

Easy control of the unit from anywhere in the room.



WLAN REMOTE CONTROL & VOICE CONTROL (OPTIONAL)

Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.



* Refer page 12 & page 13 for details

RELIABILITY

BLUE FIN CONDENSER

Extra protection from the elements with a longer lasting coil.



LONG PIPING

Long piping offers more flexible installation options.

*20m - CS-Z25VKR, CS-Z35VKR
*30m - CS-Z42VKR, CS-Z50VKR, CS-Z60VKR, CS-Z71VKR, CS-Z80VKR



SELF-DIAGNOSTIC FUNCTION

Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.



RANDOM AUTO RESTART

When multiple units are connected and there is a power outage, they will turn on at different times in order to not spike the power supply.



TOP-PANEL MAINTENANCE ACCESS

Easy access for maintenance.



OUTDOOR



CU-Z25VKR
CU-Z35VKR



CU-Z42VKR
CU-Z50VKR
CU-Z60VKR
CU-Z71VKR



CU-Z80VKR

AIR IS LIFE

AIR IS COMFORT

AIR IS ENERGY

QUALITY AIR FOR LIFE

- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of May 2019.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.

Authorised Dealer

19RAC0501Z

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NSW 2113
ACN 001 592 187
ABN 83 001 592 187
Website : aircon.panasonic.com.au



Panasonic
Air Conditioning