

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 October 2021.
- 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.

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Authorised Dealer

**Panasonic**

AIR CONDITIONING

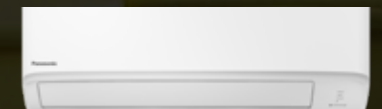
**Panasonic**

AIR CONDITIONING  
COOLING | HEATING  
AIR PURIFICATION



R32  
REFRIGERANT

nanoeX



Z SERIES PREMIUM  
REVERSE CYCLE INVERTER

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 air purification have the capacity to inhibit pollutants, mould, viruses and bacteria to clean and deodorise your indoor air, ensuring quality air for life.



### BUILT IN WI-FI

Control your air in more ways with Panasonic air conditioning's connectivity. With Built in Wi-Fi as standard and the option to use Voice control.

Refer to page 5 for terms and conditions. Google is a trademark of Google LLC. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.



### 24 HOURS AIR PURIFICATION

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

\*The nanoe™X mode can be run independently from cooling or heating mode, and needs to be on for the 24 hour air purification to function.



AEROWINGS



**INVERTER**



### CONTROL, COMFORT, 5 YEAR WARRANTY

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




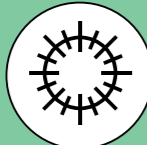





# AIR PURIFICATION

scan to see how nanoe™X works



## THE SEVEN EFFECTS OF nanoe™X

nanoe™X technology effectively inhibits 5 types of pollutants and deodorises and moisturises with the benefits of hydroxyl radicals encapsulated in water.

DEODORISES	INHIBITS 5 TYPES OF POLLUTANTS					MOISTURISES
 <b>Odours</b>	    					 <b>Skin &amp; Hair</b>
	<b>Bacteria &amp; Viruses</b>	<b>Mould</b>	<b>Allergens</b>	<b>Pollen</b>	<b>Hazardous Substances</b>	

# AIR CONNECTIVITY

## A SMARTER WAY TO CONTROL YOUR AIR

The Panasonic Comfort Cloud App delivers convenient control, connectivity and comfort. Seamlessly adjust temperature, monitor energy consumption, change modes and set timers all from just one mobile device.

**SMART CONTROL:** Control, monitor and 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 and 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 you can control your air conditioner with just your voice.

\* 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 a Google Assistant device.  
 \* Google is a trademark of Google LLC. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.  
 \* 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.

# PRODUCT LINE-UP

## WALL MOUNTED PREMIUM REVERSE CYCLE **INVERTER** Single-Split Type



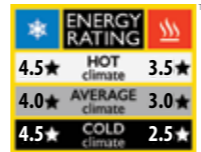
CS-Z25XKRW | CS-Z35XKRW | CS-Z42XKRW | CS-Z50XKRW



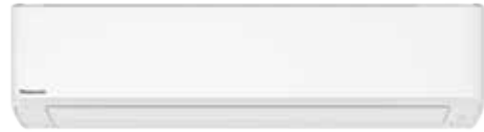
Wireless (Standard)



Wired CZ-RD514C (Optional)



\*Star rating : CS-Z35XKRW (Residential)



CS-Z60XKRW | CS-Z71XKRW | CS-Z80XKR



### SPECIFICATIONS

MODEL	INDOOR UNIT (240V / 1 Phase / 50Hz)	CS-Z25XKRW [CU-Z25XKR]	CS-Z35XKRW [CU-Z35XKR]	CS-Z42XKRW [CU-Z42XKR]	CS-Z50XKRW [CU-Z50XKR]	CS-Z60XKRW [CU-Z60XKR]	CS-Z71XKRW [CU-Z71XKR]	CS-Z80XKR [CU-Z80XKR]
Cooling / Heating Capacity	(min-max) kW	2.50 [0.95-3.70] 3.00 [0.90-4.40]	3.50 [1.00-4.20] 4.00 [0.90-5.70]	4.20 [1.15-5.10] 5.10 [0.90-6.80]	5.00 [1.15-6.10] 6.00 [0.98-7.70]	6.00 [1.25-6.90] 6.50 [0.98-8.20]	7.10 [1.70-8.50] 8.00 [1.70-10.60]	8.00 [2.30-9.00] 9.00 [2.20-11.60]
	(min-max) Btu/h	8,530 [3,240-12,600] 10,900 [3,070-15,000]	11,900 [3,410-14,300] 13,600 [3,070-19,400]	14,300 [3,920-17,400] 17,400 [3,070-23,200]	17,100 [3,920-20,800] 20,500 [3,340-26,300]	20,500 [4,260-23,500] 22,200 [3,340-28,000]	24,200 [5,800-29,000] 27,300 [5,800-34,100]	27,300 [7,840-30,700] 30,700 [7,500-39,600]
Air Flow	Indoor L/s	188/200	193/202	193/202	208/228	328/339	352/367	367/377
Dehumid	L/h	1.5	2.0	2.4	2.8	3.3	4.1	4.7
	Running Current A	2.50/3.20	3.50/3.80	5.00/5.70	6.50/7.30	7.90/8.00	8.80/8.90	11.30/11.40
Electrical Data	Max Current A	6.4	7.2	8.9	11.0	11.6	14.8	15.8
	Power Input (min-max) kW	0.57 [0.22-1.20] 0.73 [0.19-1.29]	0.80 [0.22-1.29] 0.86 [0.19-1.65]	1.18 [0.24-1.44] 1.36 [0.20-2.04]	1.51 [0.24-2.10] 1.72 [0.26-2.50]	1.85 [0.35-2.20] 1.89 [0.26-2.64]	2.06 [0.45-2.90] 2.09 [0.40-3.30]	2.44 [0.46-3.10] 2.46 [0.44-3.60]
AER / EER ACOP / COP	W/W	4.32/4.39 4.63/4.69	4.33/4.38 4.61/4.65	3.53/3.56 3.73/3.75	3.29/3.31 3.47/3.49	3.23/3.24 3.42/3.44	3.43/3.45 3.81/3.83	3.26/3.28 3.64/3.66
	Hot Climate	Cooling 4.0 Heating 3.5	4.5 3.5	3.5 3.0	3.5 3.0	3.5 3.0	3.5 2.5	3.5 2.5
Star Rating	Average Climate	Cooling 4.0 Heating 3.0	4.0 3.0	3.5 2.5	3.5 2.5	3.5 3.0	3.5 2.5	3.5 3.5
	Cold Climate	Cooling 4.5 Heating 2.5	4.5 2.5	3.5 2.0	3.5 2.0	3.5 2.0	3.5 2.0	3.5 2.5
TCSPF & HSPF Residential/ Commercial	Hot Climate	TCSPF 6.46/7.53 HSPF 5.12/5.11	6.49/7.36 5.41/5.41	5.46/6.08 4.77/4.78	5.45/6.29 4.65/4.66	5.40/6.19 5.13/5.16	5.37/6.04 5.13/5.16	5.30/5.95 5.02/5.01
	Average Climate	TCSPF 5.77/8.13 HSPF 4.72/6.86	5.95/8.05 4.89/5.09	5.14/6.88 4.16/4.41	5.17/7.63 4.06/4.30	5.09/7.15 4.52/4.72	5.10/6.83 4.45/4.75	5.03/6.75 4.31/4.60
	Cold Climate	TCSPF 5.94/9.70 HSPF 4.13/4.37	6.18/9.40 4.25/4.55	5.38/7.85 3.54/3.89	5.47/8.74 3.51/3.83	5.46/8.74 3.91/4.35	5.40/7.99 3.83/4.20	5.34/7.78 3.78/4.14
Noise Level	Sound Pressure Level*2 dB(A)	Indoor [H / L / Q-Lo] 40/25/19 42/27/21	44/24/19 44/29/22	44/23/28 44/32/28	44/24/28 44/33/29	47/24/23 48/26/23	49/27/24 49/37/24	51/28/25 50/38/35
	Outdoor [H / Q-Lo]	48/43 49/44	49/44 50/45	49/44 51/46	48/43 49/44	49/44 51/46	54/49 54/49	55/50 55/50
Sound Power Level dB(A)	Indoor [H / L / Q-Lo]	56/41/35 56/43/37	60/42/35 60/45/38	60/48/44 60/48/44	60/50/44 60/49/45	63/52/49 64/52/49	65/53/50 65/53/50	67/54/51 66/54/51
	Outdoor [H / Q-Lo]	63/58 64/59	64/59 65/60	64/59 66/61	64/59 66/61	68/63 68/63	69/64 69/64	69/64 69/64
Net Weight	Indoor [Outdoor] kg	8 [25]	8 [30]	8 [32]	8 [35]	12 [35]	13 [45]	13 [60]
Dimensions	Indoor [H x W x D] mm	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209	295 x 1,040 x 244	295 x 1,040 x 244	295 x 1,040 x 244
	Outdoor [H x W x D] mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	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	3-20	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	10	15	15	25	25
Operating Range [Outdoor]	Cooling Degree °C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating Degree °C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

\*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.

All models have outdoor power supply and use R32 refrigerant. All TCSPF and HSPF are two decimal rounding numbers.

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

### 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 the specifications except star rating are based on average climate.

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

COOLING	Indoor temperature Outdoor temperature	27°C DB/19°C WB 35°C DB
HEATING	Indoor temperature Outdoor temperature	20°C DB 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 WITH A.I.

Auto-adjusts to the optimal ECO level based on heat load conditions and air conditioning cooling capacity.



## COMFORT

### iAUTO-X

Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air. Reactivate faster cooling with a second press of the iAUTO-X button.



### QUIET MODE

Enjoy the comfort of running your air conditioner at night for 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.



### 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.



### SLEEP MODE

Delays off timer with temperature control for better sleep.



### 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.



### AIRFLOW DIRECTION CONTROL (UP & DOWN)

Vertical airflow patterns can be controlled with operation by remote, even from a distance.



### MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL

Horizontal airflow patterns can be manually adjusted.



\* Applicable to CS-Z25XKRW, CS-Z35XKRW, CS-Z42XKRW & CS-Z50XKRW

\* Applicable to CS-Z25XKRW, CS-Z35XKRW, CS-Z42XKRW & CS-Z50XKRW

## CLEANER AIR

### nanoe™X

nanoe™X effectively deodorises and inhibits various pollutants for a fresher and cleaner living space.



### ODOUR-REMOVING FUNCTION

With this function, there's no unpleasant odour 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 FILTER

Gives you easy access to the filter as well as 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

Control at the unit from fixed location where wired remote controller is installed.



### 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.



### WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION (BUILT-IN)

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



## RELIABILITY

### 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.



### BLUE FIN CONDENSER

Extra protection from the elements with a longer lasting coil.



### TOP-PANEL MAINTENANCE ACCESS

Easy access for maintenance.



### LONG PIPING

Long piping offers more flexible installation options.



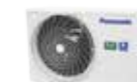
### SELF-DIAGNOSTIC FUNCTION

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



20m: CS-Z25XKRW, CS-Z35XKRW & CS-Z42XKRW  
30m: CS-Z50XKRW, CS-Z60XKRW, CS-Z71XKRW & CS-Z80XKR

## OUTDOOR UNITS



CU-Z25XKR  
CU-Z35XKR



CU-Z42XKR  
CU-Z50XKR  
CU-Z60XKR



CU-Z71XKR



CU-Z80XKR