

# Panasonic

AIR CONDITIONING  
COOLING | HEATING

R32  
REFRIGERANT



RZ SERIES  
REVERSE CYCLE INVERTER

QUALITY AIR FOR LIFE

# CLASS LEADING FEATURES

## QUALITY AIR FOR LIFE

### QUALITY AIR FOR LIFE

At Panasonic, we're committed to delivering more than just cooling & heating solutions, we consistently strive to improve the quality of your air, so that you can improve the quality of your life.



### 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 4 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.



# AEROWINGS

## SUPERIOR AIRFLOW

Panasonic's air conditioners utilise AEROWINGS technology to deliver precise control of airflow direction, as well as powerful cooling, for a comfortable environment.



ANTI-BACTERIAL FILTER



WARRANTY

## CONTROL, COMFORT & REASSURANCE

As well as a cool comfortable home, a Panasonic air conditioner provides the ultimate peace of mind with our Anti-Bacterial Filter, quiet operation, and our 5 year warranty.



# 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.

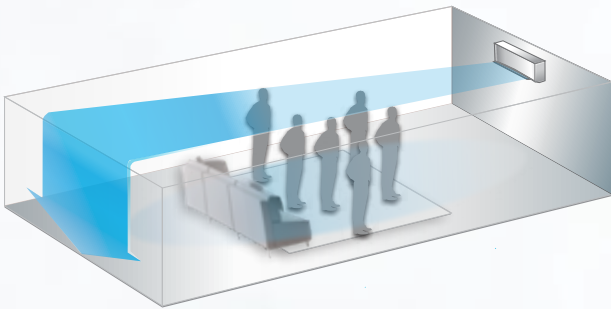


\* CZ-TACG1 WLAN Adaptor required per unit. Requires an Internet connection and the App downloaded from the App Store or GooglePlay Store on your smartphone or tablet with the latest Operating System available. \*To use Amazon Alexa to control your air conditioner, you will need an Amazon Echo device.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

# SUPERIOR AIRFLOW

CONCENTRATED AIRFLOW,  
FURTHER

## AEROWINGS

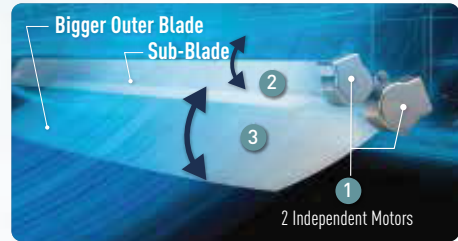


Further and faster airflow across the room.

## POWERFUL COOLING

Featuring twin motorised blades that direct airflow downwards, a concentrated stream of air is delivered to adjust the temperature of the room faster, providing a unique POWERFUL COOLING experience.

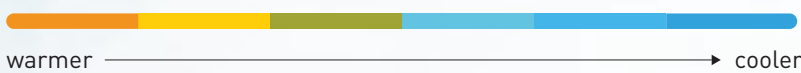
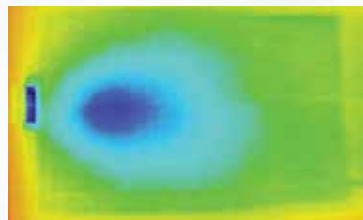
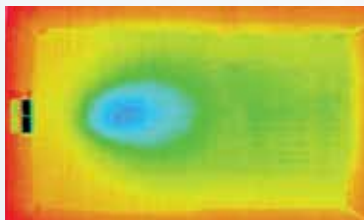
CONCENTRATED AIRFLOW,  
FURTHER, FASTER



- 1 2 Independent Motors**  
Control the Sub-Blade and Bigger Outer Blade separately.
- 2 Sub-Blade**  
Compresses and concentrates cool air.
- 3 Bigger Outer Blade**  
Helps to deliver airflow further.



## TEMPERATURE DISTRIBUTION TEST



Panasonic air conditioners utilise AEROWINGS' twin motorised blade technology to distribute air evenly throughout the room, cooling instantly and evenly. Compared to conventional cooling mechanisms, Panasonic's POWERFUL COOLING technology achieves complete room comfort, fast.

### CONVENTIONAL COOLING

Slow cooling will result in uneven cooling.

### POWERFUL COOLING

Concentrated airflow cools room instantly and evenly.

## AIR FLOW

Air Flow Smoke Test



AEROWINGS directs airflow downwards to cool instantly.



AEROWINGS directs airflow upwards over wider area then showers down gently and evenly across the room.

Top Air Intake

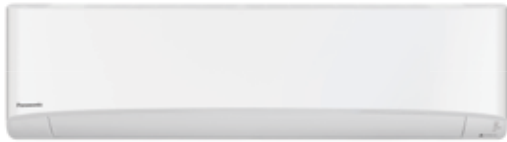


Hot air is drawn in from the top and cool air is discharged from the bottom to facilitate cool air showering down over the entire area.

WALL-MOUNTED : STANDARD REVERSE CYCLE INVERTER Single - Split Type



CS-RZ25WKRW | CS-RZ35WKRW | CS-RZ42WKRW | CS-RZ50WKRW



CS-RZ60VKRW-M | CS-RZ71VKRW-M | CS-RZ80VKRW-M



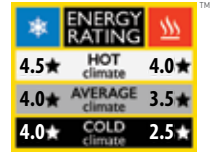
Wireless Remote Controller



CZ-RD514C Wired Remote Controller (Optional)



CZ-TACG1 Network Adaptor\*<sup>1</sup> (Optional)



\*Star rating: CS-RZ35WKRW (Residential)

SPECIFICATIONS

MODEL		[240V / 1 Phase / 50Hz]	CS-RZ25WKRW	CS-RZ35WKRW	CS-RZ42WKRW	CS-RZ50WKRW	CS-RZ60VKRW-M	CS-RZ71VKRW-M	CS-RZ80VKRW-M
			[CU-RZ25WKRW]	[CU-RZ35WKRW]	[CU-RZ42WKRW]	[CU-RZ50WKRW]	[CU-RZ60VKRW]	[CU-RZ71VKRW]	[CU-RZ80VKRW]
Cooling / Heating Capacity	(min-max)	kW	2.50 [0.95-3.00] 3.00 [0.90-3.60]	3.50 [1.00-3.90] 3.70 [0.90-5.10]	4.20 [1.15-5.00] 5.10 [0.90-6.80]	5.00 [1.15-5.50] 5.80 [0.98-7.50]	6.00 [0.98-6.60] 6.50 [0.98-8.00]	7.10 [1.70-8.10] 7.50 [1.70-9.90]	8.00 [2.30-9.00] 9.00 [2.20-11.00]
	(min-max)	Btu/h	8,530 [3,240-10,200] 10,200 [3,070-12,300]	11,900 [3,410-13,300] 12,600 [3,070-17,400]	14,300 [3,920-17,100] 17,400 [3,070-23,200]	17,100 [3,920-18,800] 19,800 [3,340-25,600]	20,500 [3,340-22,500] 22,200 [3,340-27,300]	24,200 [5,800-27,600] 25,600 [5,800-33,800]	27,300 [7,840-30,700] 30,700 [7,500-37,500]
Air Flow	Indoor	L/s	184/191	193/202	193/202	208/219	352/352	369/400	385/400
Dehumid		L/h	1.5	2.0	2.4	2.8	3.3	4.1	4.7
Electrical Data	Running Current	A	2.60/2.90	3.70/3.70	5.20/5.90	6.50/7.30	8.00/8.20	9.70/8.80	11.50/12.30
	Max Current	A	5.0	6.5	9.1	10.5	11.6	14.8	15.4
	Power Input (min-max)	kW	0.57 [0.21-0.89] 0.64 [0.19-1.04]	0.80 [0.21-1.19] 0.80 [0.19-1.42]	1.18 [0.23-1.64] 1.36 [0.20-2.04]	1.51 [0.23-1.80] 1.70 [0.26-2.30]	1.85 [0.28-2.20] 1.89 [0.26-2.64]	2.19 [0.45-2.67] 2.06 [0.40-2.85]	2.48 [0.46-2.98] 2.66 [0.50-3.30]
AEER / EER ACOP / COP		W/W	4.29/4.39 4.59/4.69	4.30/4.38 4.55/4.63	3.52/3.56 3.71/3.75	3.28/3.31 3.38/3.41	3.22/3.24 3.42/3.44	3.22/3.24 3.62/3.64	3.21/3.23 3.37/3.38
	Hot Climate	Cooling Heating	4.5 3.5	4.5 4.0	3.5 3.0	3.5 3.0	3.5 3.0	3.0 3.0	3.0 3.0
Star Rating	Average Climate	Cooling Heating	4.0 3.0	4.0 3.5	3.0 2.5	3.5 2.5	3.0 2.5	3.0 2.5	2.5 2.0
	Cold Climate	Cooling Heating	4.0 2.5	4.0 2.5	3.5 2.0	3.5 2.0	3.5 2.0	3.0 2.0	3.0 1.5
	Hot Climate	TCSPF HSPF	6.46/7.59 5.31/5.30	6.39/7.29 5.66/5.66	5.35/6.03 4.77/4.78	5.42/6.26 4.73/4.75	5.14/5.70 4.84/4.61	4.82/5.30 4.64/4.52	4.61/4.97 4.50/4.47
TCSPF & HSPF Residential/ Commercial	Average Climate	TCSPF HSPF	5.52/7.73 4.80/4.99	5.73/7.90 5.03/5.28	4.89/6.48 4.16/4.41	5.04/7.32 4.08/4.36	4.87/6.49 4.17/4.20	4.60/6.02 4.09/4.18	4.40/5.37 3.90/4.11
	Cold Climate	TCSPF HSPF	5.64/9.04 4.12/4.43	5.88/9.09 4.32/4.68	5.08/7.31 3.56/3.89	5.30/8.89 3.56/3.89	5.15/7.35 3.51/3.65	4.81/6.79 3.50/3.77	4.60/5.86 3.38/3.69
	Noise Level	Sound Pressure Level <sup>2</sup> dB(A)	Indoor [H / L / Q-Lo]	40/25/19 40/27/21	44/26/19 44/29/22	44/31/28 44/33/28	44/34/28 44/33/28	46/36/33 46/36/33	49/37/34 49/37/34
Outdoor [H / Q-Lo]			48/43 49/44	49/44 50/45	49/44 51/46	48/43 49/44	49/44 51/46	52/47 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	60/47/44 60/49/44	60/50/44 60/49/44	62/52/49 62/52/49	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	63/58 64/59	64/59 66/61	66/61 68/63	69/64 69/64
Net Weight	Indoor [Outdoor]	kg	8(25)	8(31)	8(31)	8(36)	13(36)	13(50)	13(60)
	Dimensions	Indoor [H x W x D] Outdoor [H x W x D]	mm mm	290 x 779 x 209 542 x 780 x 289	290 x 779 x 209 542 x 780 x 289	290 x 779 x 209 619 x 824 x 299	290 x 779 x 209 619 x 824 x 299	302 x 1,102 x 244 619 x 824 x 299	302 x 1,102 x 244 695 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 Heating	Degree °C	-10 - +46 -15 - +24	-10 - +46 -15 - +24	-10 - +46 -15 - +24	+10 - +46 -15 - +24	-10 - +46 -15 - +24	-10 - +46 -15 - +24	-10 - +46 -15 - +24

<sup>1</sup> Indoor temperature display and some special function are not available through the App for all models.  
<sup>2</sup> 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  
 Heating | 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

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.

\* Applicable to CS-RZ60VKRW-M, CS-RZ71VKRW-M & CS-RZ80VKRW-M only



### ECO MODE WITH A.I.

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

\* Applicable to CS-RZ25VKRW, CS-RZ35VKRW, CS-RZ42VKRW & CS-RZ50VKRW only



## COMFORT

### FAN MODE

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



### 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.



### 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.



### MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL

\* Applicable to CS-RZ25VKRW, CS-RZ35VKRW, CS-RZ42VKRW & CS-RZ50VKRW only



### QUIET MODE

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



### AUTO CHANGEOVER (INVERTER)

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



### 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.

\* Applicable to CS-RZ60VKRW-M, CS-RZ71VKRW-M & CS-RZ80VKRW-M only



### AIRFLOW DIRECTION CONTROL (UP & DOWN)

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

\* Applicable to CS-RZ25VKRW, CS-RZ35VKRW, CS-RZ42VKRW & CS-RZ50VKRW only



### SLEEP MODE

Delays off timer with temperature control for better sleep.



## CLEAN & HEALTHY AIR

### ANTI-BACTERIAL FILTER

The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacterial protection to provide clean air.



### 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.

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



### REMOVABLE, WASHABLE PANEL

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



## 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.



### WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION (OPTIONAL)

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

\* Network adaptor [CZ-TACG1] is required



## 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-RZ25VKRW, CS-RZ35VKRW, CS-RZ42VKRW

\*30m - CS-RZ50VKRW, CS-RZ60VKRW-M, CS-RZ71VKRW-M, CS-RZ80VKRW-M



### 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 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-RZ25WKR  
CU-RZ35WKR



CU-RZ42WKR  
CU-RZ50WKR  
CU-RZ60WKR



CU-RZ71WKR



CU-RZ80WKR

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 2020.
- 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

20RAC1002RZ

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**Panasonic**  
Air Conditioning