

Panasonic

Air Conditioning  
Cooling | Heating

R32  
REFRIGERANT

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

19RAC0501RZ

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Panasonic  
Air Conditioning

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

### 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 9 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

### 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.



### Control, Comfort & Reassurance

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



## Instant & Extraordinary Comfort Superior Airflow



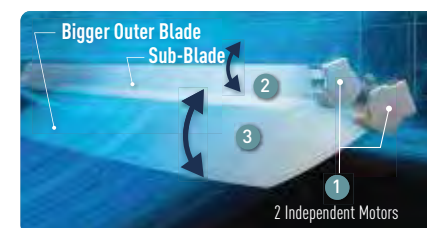
## AEROWINGS

### Concentrated Airflow, Further

Further and faster airflow across the room.



### Concentrated Airflow, Further, Faster



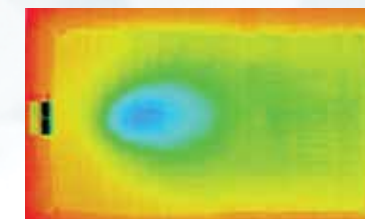
- ① **2 Independent Motors**  
Control the Sub-Blade and Bigger Outer Blade separately.
- ② **Sub-Blade**  
Compresses and concentrates cool air.
- ③ **Bigger Outer Blade**  
Helps to deliver airflow further.



### 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.

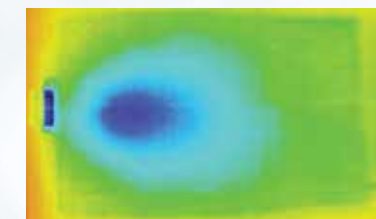
### Temperature Distribution Test



warmer

#### Conventional Cooling

Slow cooling will result in uneven cooling.



#### Powerful Cooling

Concentrated airflow cools room instantly and evenly.

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.

cooler

### 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.



# 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 a 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.

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



CS-RZ25VKRW | CS-RZ35VKRW | CS-RZ42VKRW



CS-RZ50VKRW | CS-RZ60VKRW | CS-RZ71VKRW | CS-RZ80VKR



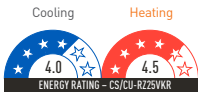
Wireless Remote Controller



CZ-RD514C Wired Remoted Controller (Optional)



Network Adaptor\*1 (Optional)



Wireless Remote Controller



CZ-RD514C Wired Remoted Controller (Optional)



Network Adaptor\*1 (Optional)



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

SPECIFICATIONS

MODEL			[240V / 1 Phase / 50Hz]	CS-RZ25VKRW	CS-RZ35VKRW	CS-RZ42VKRW	CS-RZ50VKRW	CS-RZ60VKRW	CS-RZ71VKRW	CS-RZ80VKR
				[CU-RZ25VKRW]	[CU-RZ35VKRW]	[CU-RZ42VKRW]	[CU-RZ50VKRW]	[CU-RZ60VKRW]	[CU-RZ71VKRW]	[CU-RZ80VKRW]
Cooling / Heating Capacity	(min-max)	kW		2.50 [0.90-3.00] 3.00 [0.90-3.40]	3.50 [0.90-3.90] 3.70 [0.90-5.10]	4.20 [0.90-4.60] 5.10 [0.90-6.80]	5.00 [0.98-5.60] 5.80 [0.98-7.80]	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 [3,070-10,200] 10,200 [3,070-12,300]	11,900 [3,070-13,300] 12,600 [3,070-17,400]	14,300 [3,070-15,700] 17,400 [3,070-23,200]	17,100 [3,340-19,100] 19,800 [3,340-26,600]	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		180/185	195/213	198/213	332/339	352/352	369/400	385/400
Dehumidification		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	5.10/5.90	6.70/6.80	8.00/8.20	9.70/8.80	11.50/12.30
	Power Input (min-max)	kW		0.57 [0.20-0.89] 0.64 [0.19-1.04]	0.80 [0.20-1.19] 0.80 [0.19-1.42]	1.18 [0.25-1.64] 1.36 [0.20-2.04]	1.47 [0.28-1.73] 1.54 [0.26-2.30]	1.85 [0.28-2.20] 1.89 [0.26-2.64]	2.19 [0.45-2.67] 2.04 [0.40-2.85]	2.48 [0.46-2.98] 2.66 [0.50-3.30]
AEER / EER ACOP / COP		W/W W/W		4.29/4.39 4.59/4.69	4.31/4.38 4.55/4.63	3.52/3.56 3.71/3.75	3.37/3.40 3.74/3.77	3.22/3.24 3.42/3.44	3.22/3.24 3.62/3.64	3.21/3.23 3.37/3.38
Star Rating				4.0 4.5	4.0 4.5	2.5 2.5	2.0 2.5	1.5 2.0	1.5 2.5	1.5 2.0
Noise Level	Sound Pressure Level*2 dB(A)	Indoor [H / L / Q-Lo]		40/25/19 40/27/21	44/26/19 44/29/22	45/31/29 44/35/28	44/34/31 44/33/29	44/36/33 44/36/33	49/37/34 49/37/34	51/38/35 50/38/35
		Outdoor [H / Q-Lo]		48/- 49/-	49/- 50/-	49/- 51/-	48/43 49/44	49/44 51/46	52/47 54/49	55/50 55/50
	Sound Power Level dB	Indoor [H / L / Q-Lo]		56/41/35 56/43/37	60/42/35 60/45/38	61/47/45 60/51/44	60/50/47 60/49/45	62/52/49 62/52/49	65/53/50 65/53/50	67/54/51 66/54/51
		Outdoor [H / Q-Lo]		63/- 64/-	64/- 65/-	64/- 66/-	63/58 64/59	64/59 66/61	66/61 68/63	69/64 69/64
Net Weight	Indoor [Outdoor]	kg		8(27)	8(31)	8(32)	12(34)	13(36)	13(50)	13(60)
Dimensions	Indoor [H x W x D]	mm		290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	302 x 1,102 x 244	302 x 1,102 x 244	302 x 1,102x 244	302 x 1,102 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	695 x 875 x 320	695 x 875 x 320	795 x 875 x320
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
Power Supply				Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
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
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

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			
<b>INVERTER CONTROL</b> Varies the rotation speed of the compressor for higher energy savings.			<b>ECO MODE</b> 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			
<b>FAN MODE</b> Allows you to run the fan without any cooling or heating, thus giving just ventilation.			<b>HOT START CONTROL</b> 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.
<b>SOFT DRY OPERATION MODE</b> Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.			<b>MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL</b> * CS-RZ25VKRW, CS-RZ35VKRW & CS-RZ42VKRW only
<b>AUTO CHANGEOVER (INVERTER)</b> In Auto Mode the unit will select if heating or cooling is required.			<b>PERSONAL AIRFLOW CREATION</b> Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote, even from a distance. * CS-RZ50VKRW, CS-RZ60VKRW, CS-RZ71VKRW & CS-RZ80VKR only
			<b>AIRFLOW DIRECTION CONTROL [UP &amp; DOWN]</b> Vertical airflow patterns can be controlled with operation by remote, even from a distance. *CS-RZ25VKRW, CS-RZ35VKRW & CS-RZ42VKRW only
CLEAN & HEALTHY AIR			
<b>ANTI-BACTERIAL FILTER</b> The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacterial protection to provide clean air.			<b>ODOUR-REMOVING FUNCTION</b> 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.
			<b>REMOVABLE, WASHABLE PANEL</b> Gives you easy access to the filter as well making the unit easy to clean.
CONVENIENCE			
<b>24-HOUR DUAL ON &amp; OFF REAL SETTING TIMER</b> This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.			<b>3RD PARTY CONNECTIVITY</b> Allows limited control from an external source when wired to do so.
<b>DEMAND RESPONSE ENABLING DEVICE (DRED)</b> Allows Electrical Utility Companies to regulate the power supply to the units if connected.			<b>WIRED REMOTE CONTROL (OPTIONAL)</b> For use in commercial applications, or where users don't want a remote control.
			<b>WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION (OPTIONAL)</b> Control air conditioners remotely by turning your mobile desire into a remote controller using internet connection. * Network adaptor (CZ-TAG1) is required
RELIABILITY			
<b>BLUE FIN CONDENSER</b> Extra protection from the elements with a longer lasting coil.			<b>TOP-PANEL MAINTENANCE ACCESS</b> Easy access for maintenance.
			<b>RANDOM AUTO RESTART</b> 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.
<b>LONG PIPING</b> Long piping offers more flexible installation options. *20m - CS-RZ25VKRW, CS-RZ35VKRW, CS-RZ42VKRW *30m - CS-RZ50VKRW, CS-RZ60VKRW, CS-RZ71VKRW, CS-RZ80VKR			<b>SELF-DIAGNOSTIC FUNCTION</b> Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.

OUTDOOR



CU-RZ25VKR  
CU-RZ35VKR



CU-RZ42VKR  
CU-RZ50VKR  
CU-RZ60VKR



CU-RZ71VKR



CU-RZ80VKR