

100
A CENTURY OF
RELIABILITY

Panasonic

AIR CONDITIONING

AERO SERIES

REVERSE-CYCLE INVERTER



QUALITY AIR FOR LIFE



Panasonic
Air Conditioning

We breathe in
18kg^{*1} of
AIR
 a person a day

At Panasonic Air Conditioners,
 we want to deliver more than just cooling or heating solutions.
 We want to create Total Air Solutions that let you enjoy
 Quality Indoor Air.

 **FOOD**
1.3kg^{*3}
 a person
 a day

 **WATER**
1.2kg^{*2}
 a person
 a day

**WE IMPROVE THE QUALITY OF AIR,
 SO YOU CAN IMPROVE
 THE QUALITY OF LIFE.**

AIR IS LIFE

AIR IS COMFORT

AIR IS ENERGY

QUALITY AIR FOR LIFE

^{*1} : Iwao Uchiyama (Department of Occupational Health, National Institute of Public Health)
 "Air and Human Beings: from the Physiological Viewpoint" (1999) <https://ci.nii.ac.jp/naid/110008447936/>

^{*2} : Heat Illness Prevention (Chapter 3) in "Heat Illness Environmental Health Manual 2016"
 P.32, Figure3-2 by Ministry of the Environment, Government of Japan. http://www.wbgt.env.go.jp/pdf/manual/heatIllness_manual_3-1.pdf

^{*3} : Please refer to Page 9 for details.

CLASS LEADING FEATURES



WI-FI READY*

The power is in your hands with our new Panasonic Wi-Fi Controller and App. Making sure your home is the perfect temperature for when you arrive has never been easier.

*Additional Wi-Fi Adapter (CZ-TACG1) required.



CLEAN & HEALTHY AIR

As well as a cool or warm comfortable home, a Panasonic air conditioner provides the ultimate peace of mind with our Anti-Bacterial Filter which eliminates unwanted contaminants and enhances the quality of air for you and your family.



ENERGY SAVING TECHNOLOGY

Panasonic combine Inverter technology and Economy Mode to create a powerhouse energy-saving product. These clever technologies benefit both the environment and your power bill, so your green intentions don't have to prevent you from living a comfortable life.

CONTROL, COMFORT & REASSURANCE



SHOWER COOLING/ FAST COOLING

Panasonic's new AEROWINGS features twin motorised blades, together with iAUTOX technology to deliver precise control of airflow direction, providing both Shower Cooling and Fast Cooling for a perfect and comfortable environment.



QUIET OPERATION

Panasonic systems are among the quietest in the world, so you can enjoy the comfort of running your air conditioner at night and still have a relaxing sleep. The outdoor unit is also very quiet which means you don't have to worry about keeping your neighbours up either.



LATEST REFRIGERANT

One of Panasonic's principles has always been to sustain the environment around us. Therefore, we use the more ozone friendly refrigerant R32 for this new product. It is especially suitable for use in air conditioning and results in better energy efficiency.

RELIABLE COMFORT COMES FROM RELIABLE TECHNOLOGY

DISCREET COMFORT

A Panasonic air conditioner should be the hard-working hero you never notice. From noise measurements, to environmental performance and even operating ease, we repeatedly test our models to make sure they keep your home comfortable without ever intruding on your life.



TESTED DURABILITY

We simulate continuous operation under the harshest of conditions, subject the outdoor units to wind and rain tests and then examine every mechanism to ensure we are delivering a rugged product you can depend on for many years.



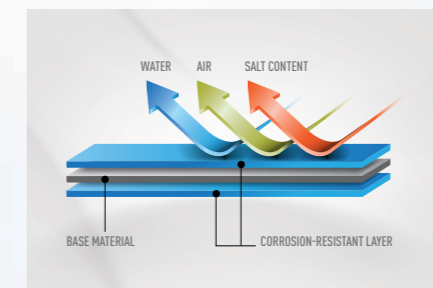
SHOCK RESISTANCE

We love our air conditioners but that doesn't mean we go easy on them. We simulate impacts, vibrations, drops and stacking issues the units might face in transportation and storage, so we know they will be ready for action when they reach your home.



AUSSIE TEMPERATURES

Our air conditioning systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching +46°C outside, which is perfect for Australia's hot summer days. The heating operation is designed to operate even when it's a freezing -15°C outside, so even the coldest parts of Australia are covered.



BUILT TOUGH

Panasonic outdoor units are built to last in the harsh Australian environment. To ensure you will enjoy many years of reliable comfort from your air conditioner the internal components of the outdoor unit are coated with a special blue coating that protects the unit from the damaging effects of salty air, dust, wind and rain.



COUNT ON PANASONIC

Panasonic air conditioners are manufactured to the highest quality standards to ensure years of reliable comfort. We even back our reliability by offering a 5 years full parts and labour warranty.

SHOWER COOLING FOR YOUR EXTRAORDINARY COMFORT

AEROWINGS

SHOWER COOLING is the feeling that gently washes over you like a cool morning. After reaching the set temperature, AEROWINGS directs airflow upwards to spread cool air evenly across the room, and showers down for endless comfort.

How SHOWER COOLING works:



- 1 Cool air is directed upwards.
- 2 Cool air spreads evenly and showers down.
- 3 Room is evenly cooled down.

SHOWER COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



Instead of blowing cold air directly onto people, AEROWINGS directs airflow upwards over a wider area, then showers down gently and evenly across the room.

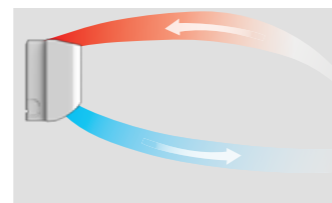
TEMPERATURE DISTRIBUTION TEST



warmer → cooler

AEROWINGS directs cool air further and higher towards the ceiling to avoid direct cooling.

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.

Note: Based on Panasonic In House Research.

FAST COOLING FOR YOU TO FEEL COMFORT INSTANTLY

AEROWINGS

Features twin motorised blades that direct airflow downwards, delivering concentrated cool air to cool down the room faster, providing you with a unique FAST COOLING experience.

How FAST COOLING works in AERO Series:

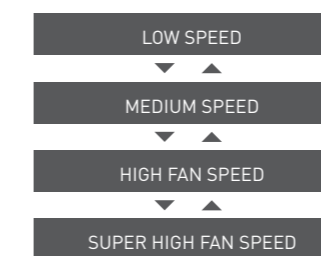


- 1 Concentrated cool air is delivered straight to you.
- 2 The steady airflow cools you down quickly.

AUTOMATIC FAN SPEED



iAUTO-X will automatically switch fan speed from low to super high depending on the temperature difference between the room and the set temperature.



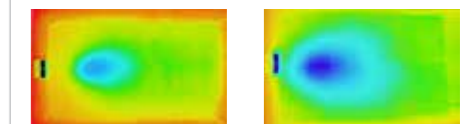
FAST COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



AEROWINGS directs airflow downwards for a fast cooling effect.

TEMPERATURE DISTRIBUTION TEST



warmer → cooler

CONVENTIONAL COOLING

Cool air blows downwards and cools the room at a slow pace, resulting in uneven cooling. The edge of the room remains warm.

FAST COOLING

Concentrated airflow cools instantly. Room is evenly cooled.

Note: Based on Panasonic In House Research.

WALL-MOUNTED : AERO SERIES REVERSE CYCLE INVERTER (RZ SERIES)



CS-RZ25TKR | CS-RZ35TKR



Wireless



CZ-RD514C
Wired Remote
Controller
(Optional)



CZ-TACG1
Wi-Fi Adapter
(Optional)



CS-RZ50TKR | CS-RZ60TKR | CS-RZ71TKR |
CS-RZ80TKR



ANTI-BACTERIAL FILTER



DRED
DEMAND
RESPONSE
ENABLING
DEVICE

SPECIFICATIONS

MODEL		[240V / 1 Phase / 50Hz]	CS-RZ25TKR [CU-RZ25TKR]	CS-RZ35TKR [CU-RZ35TKR]	CS-RZ50TKR [CU-RZ50TKR]	CS-RZ60TKR [CU-RZ60TKR]	CS-RZ71TKR [CU-RZ71TKR]	CS-RZ80TKR [CU-RZ80TKR]	
Cooling / Heating Capacity	(min-max)	kW	2.50 [0.85-3.00] 3.00 [0.80-3.60]	3.50 [0.85-3.90] 3.70 [0.80-5.10]	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 [2,900-10,200] 10,200 [2,730-12,300]	11,900 [2,900-13,300] 12,600 [2,730-17,400]	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]	
Airflow	Indoor	L/s	192/203	190/202	332/339	344/344	368/385	385/400	
Dehumid		L/h	1.5	2.0	2.8	3.3	4.1	4.7	
Electrical Data	Running Current	A	3.10/3.40	4.25/4.20	6.70/6.80	8.00/8.20	9.70/8.80	11.50/12.30	
	Power Input	kW	0.67 [0.25-0.89] 0.73 [0.195-1.04]	0.94 [0.255-1.19] 0.95 [0.20-1.42]	1.47 [0.285-1.73] 1.54 [0.34-2.30]	1.85 [0.285-2.20] 1.89 [0.38-2.64]	2.19 [0.43-2.67] 2.06 [0.38-2.85]	2.48 [0.46-2.98] 2.66 [0.50-3.30]	
AEER / EER ACOP / COP		W/W	3.67/3.73 4.05/4.11	3.67/3.72 3.85/3.89	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			2.5 3.5	2.5 3.0	2.0 2.5	1.5 2.0	1.5 2.5	1.5 2.0	
	Noise	Sound Pressure Level ¹⁾	Indoor [Hi / L / Q-Lo]	dB(A)	40/25/19 40/27/21	42/26/19 42/29/22	44/34/31 44/33/29	46/36/33 46/36/33	49/37/34 49/37/34
Outdoor [Hi / Q-Lo]			dB(A)	48/- 49/-	48/- 50/-	48/43 49/44	49/44 51/46	52/47 54/49	55/50 55/50
Sound Power Level	Outdoor [Hi / Q-Lo]	dB	63/- 64/-	63/- 65/-	63/58 64/59	64/59 66/61	66/61 68/63	69/64 69/64	
			Net Weight	Indoor [Outdoor]	kg	8[31]	8[32]	12[35]	13[35]
Dimensions	Indoor [H x W x D]	mm	290 x 799 x 197	290 x 799 x 197	302 x 1102 x 244	302 x 1102 x 244	302 x 1102 x 244	302 x 1102 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	795 x 875 x 320	
Pipe Size	Liquid Side	mm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
	Gas Side	mm/(inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	
Pipe Extension Length	Min - Max [m]		3-20	3-20	3-30	3-30	3-30	3-30	
Pipe Length For Additional Gas	m		7.5	7.5	10	10	10	10	
Additional Gas Amount	g/m		10	10	15	15	25	25	
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Operating Range [Outdoor]	Cooling Heating Degree °C		+5-46 -15-24	+5-46 -15-24	+5-46 -15-24	+5-46 -15-24	+5-46 -15-24	+5-46 -15-24	
Refrigerant Type			R32	R32	R32	R32	R32	R32	

¹⁾ 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/NZS3823.2.

COOLING	Indoor temperature	27°C DB/19°C WB
	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.

INDUSTRY-LEADING QUIET OPERATION

19dB*



The Quiet Mode reduces operation noise to a quiet 19dB* for a more comfortable night's sleep.

* CS-RZ25TKR & CS-RZ35TKR only

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 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

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.

COMFORT

iAUTO-X

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



FAN MODE

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



HOT START CONTROL

On the start of the heating cycle and after the defrost cycle, the indoor fan will start up when 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

* CS/CU-RZ25TKR & CS/CU-RZ35TKR only



PERSONAL AIRFLOW CREATION

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



QUIET MODE

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



* CS/CU-RZ50TKR, CS/CU-RZ60TKR, CS/CU-RZ71TKR & CS/CU-RZ80TKR only

AUTO CHANGEOVER (INVERTER)

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



AIRFLOW DIRECTION CONTROL (UP & DOWN)

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



*CS/CU-RZ25TKR & CS/CU-RZ35TKR only

ENERGY SAVINGS

INVERTER CONTROL

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



ECONOMY MODE

Reduces energy consumption by up to 20%* 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.



*Panasonic figures at an outside temperature of DB 35°C/WB 24°C and set temperature of 25°C (cooling operation).

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.



WI-FI READY (OPTIONAL)

Control and monitor your air conditioner anywhere, anytime. (CZ-TACG1 Wi-Fi Adapter 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.



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.



CU-RZ25TKR
CU-RZ35TKR



CU-RZ50TKR
CU-RZ60TKR



CU-RZ71TKR



CU-RZ80TKR

PANASONIC COMFORT CLOUD APP*

Control your air conditioner anywhere, anytime



*CZ-TACGA1 required

FEATURES:

- Multiple Unit Control
- Temperature Setting
- Mode Setting
- Energy Usage Analysis
- Alert Notification



Input/Voltage	DC12V
Power Consumption	Max 660mW
Size (H x W x D)	66mm x 36mm x 12mm
Weight	85g
Interface	1 x Wireless LAN
Wireless LAN Standard	IEEE 802.11 b/g/n
Frequency Range	2.4GHz Band
Encryption	WPA1-PSK (TKIP/AES)

*Functionality varies depending on models. Only available for TKR range.

CZ-TACG1 WI-FI ADAPTOR CONNECTION DIAGRAM:

Optional Network Adaptor
Only available for TKR range.



COMPATIBLE DEVICE AND BROWSERS:

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

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



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.



Panasonic
Air Conditioning

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- Specifications are subject to change without prior notice for further improvement
- The contents of this catalogue are effective as of September 2018.
- 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.

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