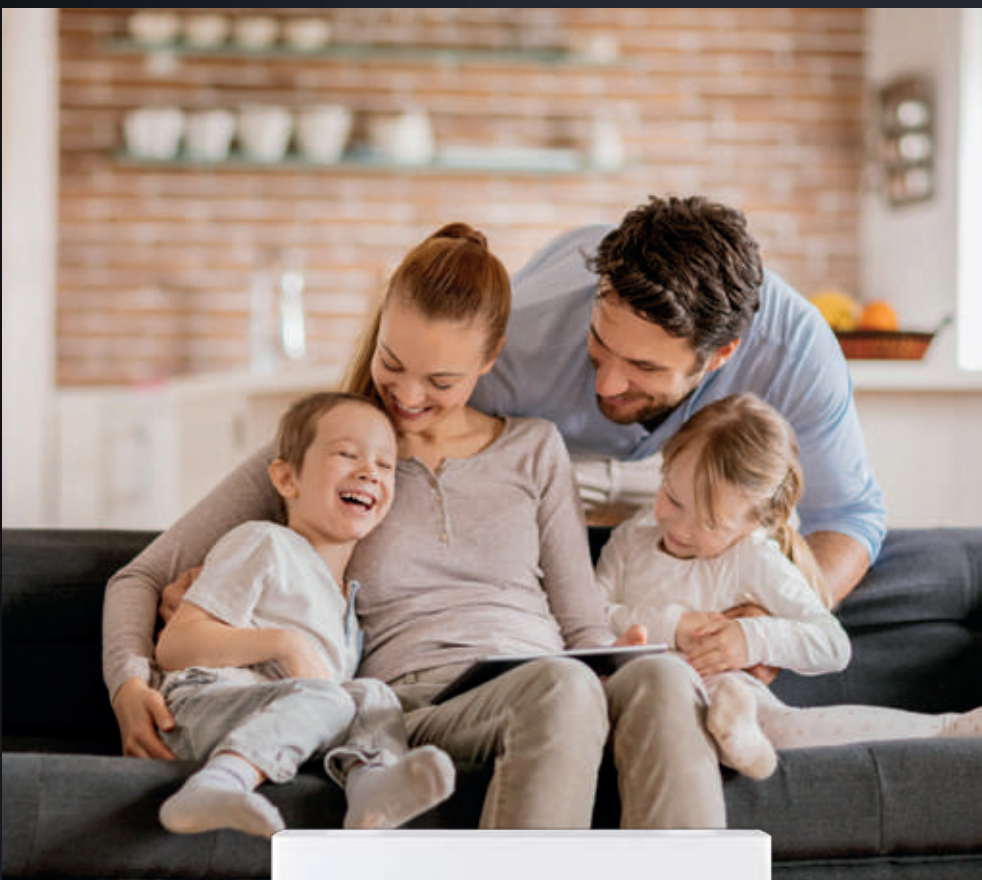


Panasonic

RESIDENTIAL AIR CONDITIONERS 2019 / 2020



PREMIUM REVERSE
CYCLE INVERTER
AERO SERIES



**AERO SERIES
DEVELOPER SERIES
FLOOR CONSOLE
MULTI SPLIT SYSTEM**

nanoeX

R32
REFRIGERANT

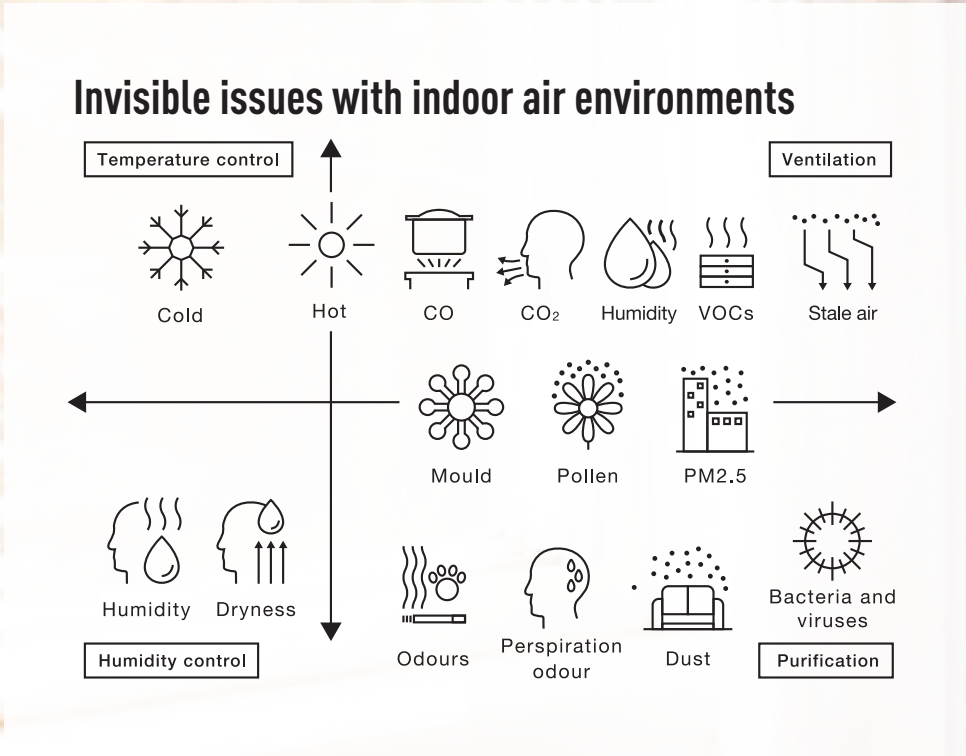
INVERTER



QUALITY AIR FOR LIFE

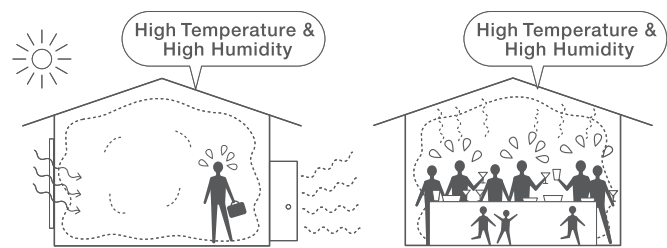
Indoor Air Quality Issues

Clean air is essential to healthy living. We spend more time indoors, making indoor air quality a serious issue.



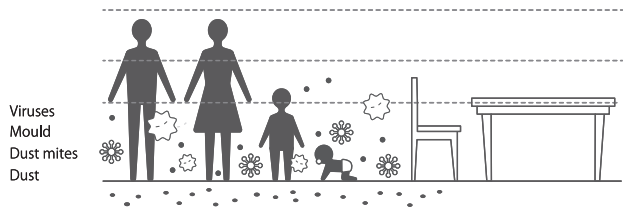
Living Room

Do you experience hot stagnated air when you get home?
Do you feel uncomfortable in a living room full of people?



Hot air tends to stagnate in closed spaces. People contribute to the increase in temperature and humidity.

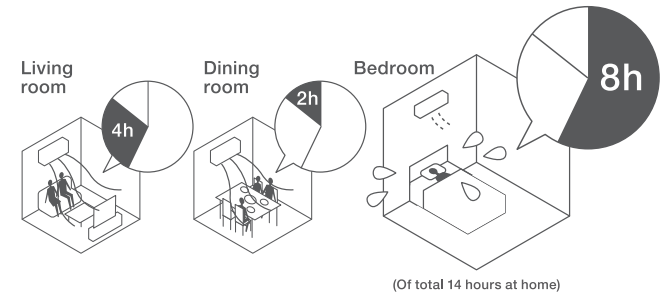
Does the difference in height between children and adults make a difference to their health?



All day long, children breathe closer to the floor and furniture.

Bedroom

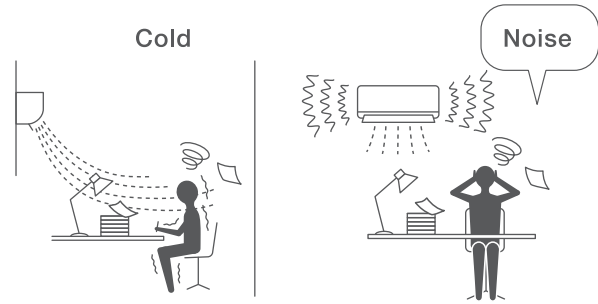
On average, which room do people spend the most time in at home?



Most of us spend 8 hours a day sleeping in the bedroom and want to wake up refreshed the next day.

Study Room

Finding it hard to focus in your study?



Concentration is disrupted by loud operating noises and feeling colder in smaller rooms.

Complete Air Purification Purifies Your Air Wherever You Are



Maintenance Free

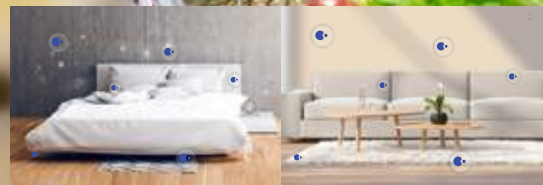
No maintenance required for nanoe™ X generator device.



Purifies Home
24 hrs

Only at 25W/Hour^{*2}

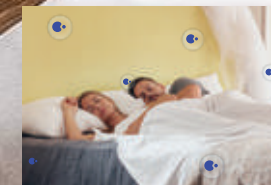
Low energy consumption with fan mode 25W per hour for a single unit.



Return to a fresh smelling home every time



Leave nanoe™ mode ON to deodorise, and inhibits bacteria and viruses.^{*1}



Cleaner and comfortable space for loved ones

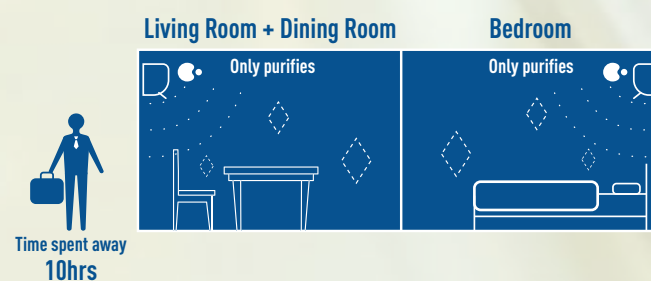
Takes care of the air so you can enjoy more quality family time and restful sleep in your living space.

Purifies When You Are Away



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

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



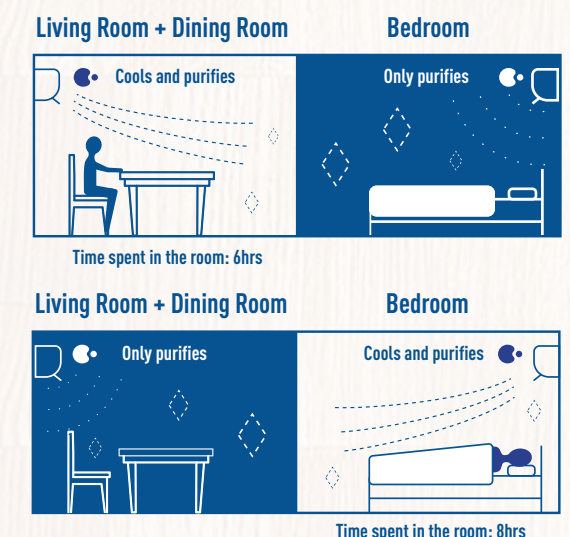
^{*1} Wireless LAN Remote Control for Internet Connection required optional network adaptor.
^{*1} Indoor temperature display and some special function are not available through the App for all models.

Purifies When You Are At Home



Step 1:
Turn OFF air conditioner

Step 2:
Turn ON nanoe™ mode



^{*2} Energy consumption may vary depending on models.



Panasonic's Advanced Air Purification System

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



Approved by the
National Asthma Council Australia and
Asthma+Respiratory Foundation NZ



Professionals acknowledge the effectiveness of nanoe™ X

Inhibits Mould, Bacteria and Viruses



Professor Masafumi Mukamoto
Osaka Prefecture University
Veterinary Infectious
Disease Studies

Various types of moulds enter houses along with people and air. Even if preventive action is taken in our everyday lives, it is often very difficult to inhibit the growth of mould, especially in humid environments. With nanoe™ X, we have experimental results* that show we can inhibit the growth of the types of mould commonly found in various places in the house. As nanoe™ X is also capable of inhibiting invisible bacteria and viruses that exist in our living environment, we can expect it will deliver a clean environment. I recommend that equipment incorporating nanoe™ X technology be placed in buildings where cleanliness is required, such as in schools, childcare facilities and medical institutions.**

*Experimental results show that nanoe™ X is effective in inhibiting the growth of the following types of mould commonly found in homes: Cladosporium, Aspergillus, Penicillium, Alternaria, Fusarium, Eurotium, Mucor, and Stachybotrys.

Inhibits Allergens



Professor Masahiro Sakaguchi
Azabu University
School of Veterinary Medicine
Department of Veterinary
Medicine

We have experimental results that show nanoe™ X is capable of inhibiting allergens, such as pollen and dust mites. It is important to take precautions against the allergens that we inadvertently inhale in our daily lives.

As nanoe™ X is effective in inhibiting invisible allergens, we can expect it will create a cleaner environment. As the safety of nanoe™ X has also been verified, nanoe™ X gives peace of mind to families with small children.**

**The above indications and statements are made in reference to available information.

10 Reasons Why nanoe™ X?



Purifies your air all day

- nanoe™ X is able to function independently to continue purifying and deodorising your living space.



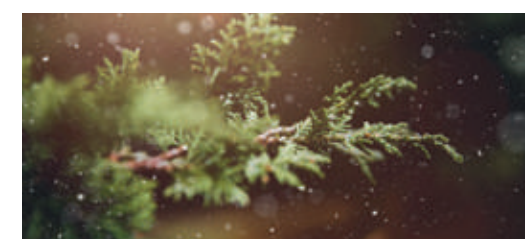
Natural H₂O particles

- nanoe™ is generated from moisture in the air that contains highly reactive components known as hydroxyl (OH) radicals.



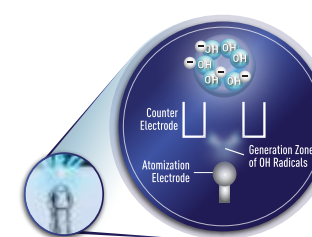
Effective deodorisation

- Deodorises commonly encountered unpleasant smells like cigarette smoke, perspiration and even durian.



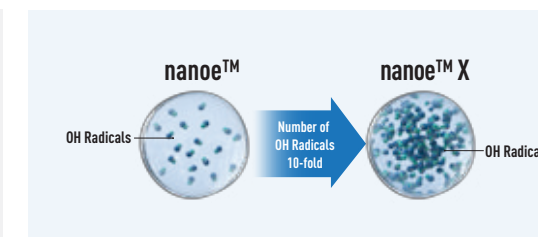
Inhibits allergens and pollen

- Inhibits and controls the spread of major allergens, including mites and pollen in the air.



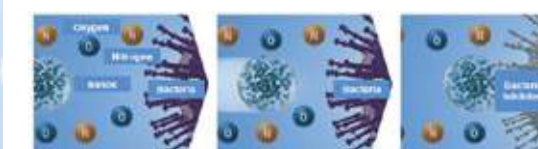
Maintenance free

- nanoe™ X generator device requires no maintenance as nanoe™ is generated from water in the air.



10X more effectiveness

- With improved nanoe™ Technology, nanoe™ X produces 10 times more OH radicals – 4.8 trillion OH radicals/sec.



Lasts more than 600 secs in the air

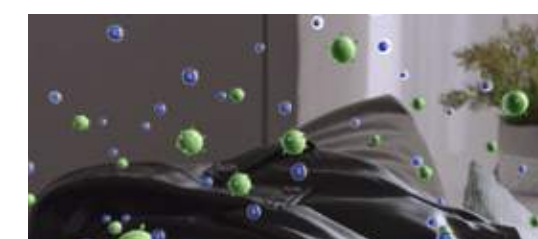
Longer life span of nanoe™ particles

- 6-fold* longer lifespan enables OH radicals to reach a greater area. *The lifespan of general air ions (negative ions) ranges from the tens of seconds to 100 seconds



Inhibits bacteria and viruses in fabrics and surfaces

- Inhibits bacteria and viruses adhering to surfaces.



Inhibits growth of mould

- Inhibits airborne and adhered mould to keep living space fresh.



Safe and non-chemical particles

- Safety of nanoe™ X and nanoe™ has been tested and proven by institutes and laboratories. Visit our website for a list of safety test data.

<https://www.panasonic.com/global/corporate/technology-design/technology/nanoe.html>

Complete Air Connectivity

Convenient Centralised Solutions



The **Panasonic Comfort Cloud Application** enables you to conveniently manage and monitor multiple AC units from just 1 mobile device.

Intuitive Voice Control



Control air conditioning units by voice command connecting to Intelligent Voice Control System.*

* Time of release to be confirmed.



The Smarter Way to Bring Convenience to Your Living Space



Living Room



Bedroom



Study Room

and Businesses



KTVs



Spa



Conference Centre



Restaurants

Smartify Your Air

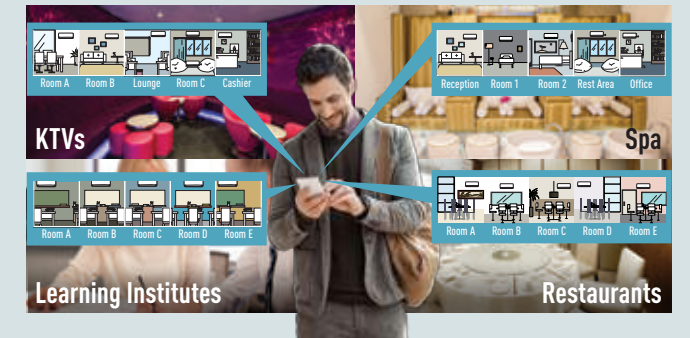
Applicable for Residential Properties and Premises

Smart Control

Controls Multiple AC Units in 1 Location

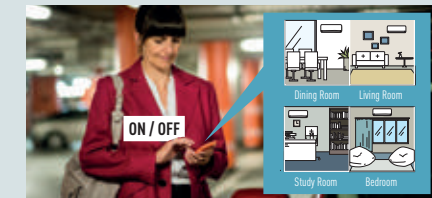


Controls Multiple Units in Multiple Locations

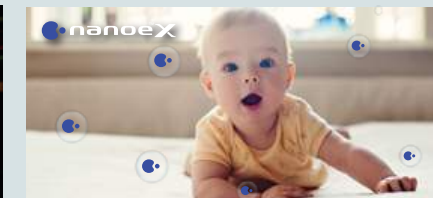


Smart Comfort

Remotely Access AC Features



Activate 24hours Air Purification



Pre-cool Spaces

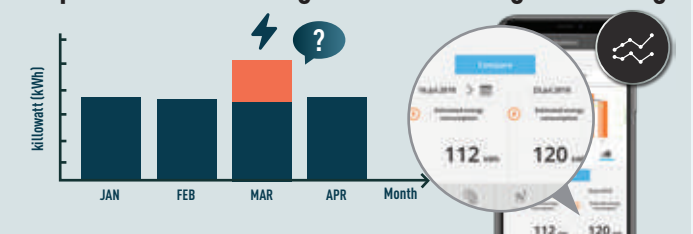


Smart Efficiency

Analyse Energy Usage Patterns

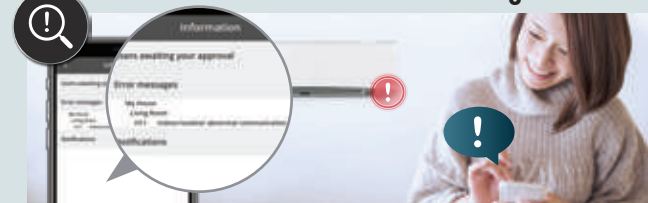


Compare Historical Usage for Better Budget Planning



Smart Assist

Effortless Troubleshooting



Assign Other Users While You Are Away



Compatible Device and Browsers

- iOS 9.0 or above
- 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.

*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 Efficiency

PANASONIC TECHNOLOGY

Eco-friendly Technologies

Make smarter, greener choices with energy saving technologies for sustainable living

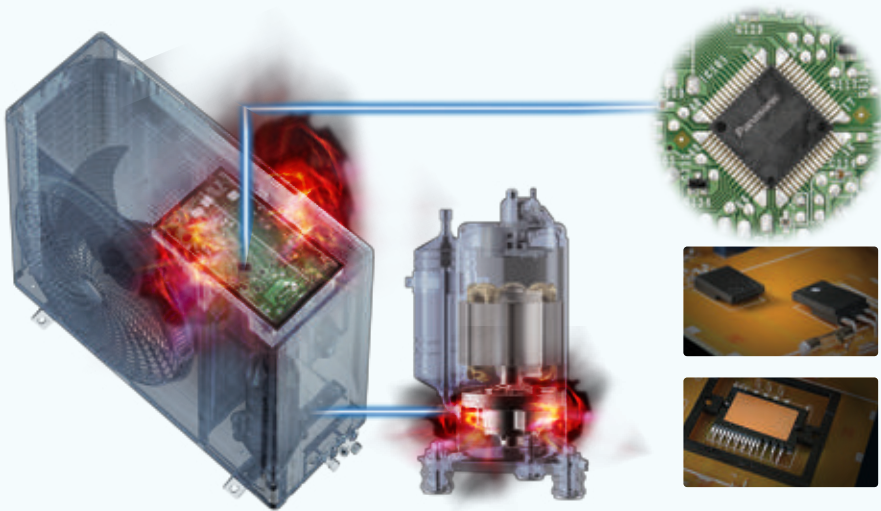
INVERTER

R32
REFRIGERANT

Inverter Technology

Energy Saving and Precise Temperature Control

Panasonic's INVERTER reduces power consumption by varying the speed of the compressor according to the temperature changes with the aim of minimising the temperature fluctuations so you can enjoy consistent cooling comfort.



The "BRAIN" of the Inverter - The Micro Computer

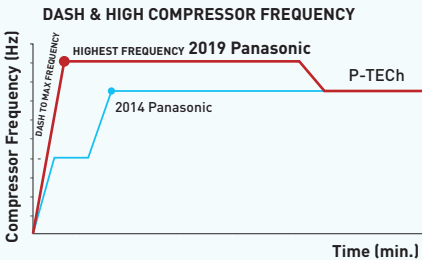
Determines the most suitable operation mode as time passes and automatically adjusts power output for maximum comfort.

PAM (Pulse Amplitude Modulation)

Increases compressor voltage rapidly to provide powerful cooling to reach the set temperature fast at start up.

PWM (Pulse Width Modulated Wave)

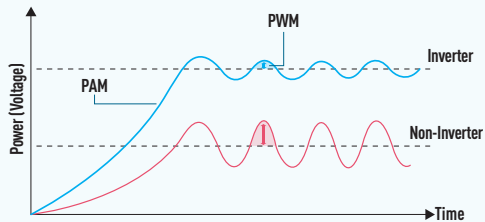
Stabilises the compressor rotation speed when maintaining the set temperature.



P-Tech – The Power Behind Fast Cooling

Compressor achieves maximum frequency in the shortest time from start up.

*P-Tech is only applicable for models with IAUTO-X function.

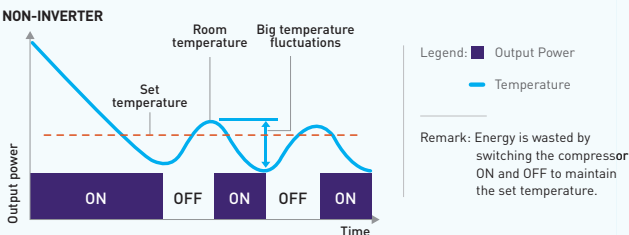


Quick Cooling and Constant Comfort

PAM increases the power output to accelerate compressor speed at start up for quick cooling and stabilises the set temperature without wasting energy, offering constant comfort.

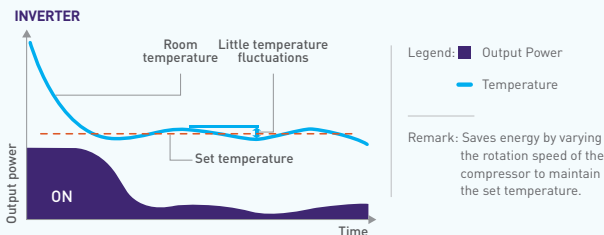
NON-INVERTER

A conventional non-INVERTER air conditioner can only operate at a constant speed which is too powerful to maintain the set temperature. Thus, it switches the compressor on and off repeatedly. This results in wider temperature fluctuations leading to wasteful consumption of energy.



INVERTER

The Panasonic INVERTER air conditioner varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature. Thus, Panasonic INVERTER air conditioners give you exceptional energy saving performance while ensuring you stay comfortable at all times.



Sustainable Refrigerant

An Environmentally-friendly Refrigerant



R32
REFRIGERANT

The commonly used refrigerants in air conditioning system contribute greatly to greenhouse gas emissions and ozone depletion, consequently putting our environment at stake.

At Panasonic, we are committed to healthier lifestyles and to reducing our environmental footprint. That's why our air conditioners have been increasingly adopting the more eco-friendly R32 refrigerant.

R32 refrigerant represents innovation in every way. It is an excellent heat transfer medium which leads to greater energy efficiency and cost effectiveness. R32 refrigerant also has low global warming potential, hence it's friendlier to the environment.

HIGHER
COOLING
CAPACITY

R32 has higher cooling capacity thereby increases heat transfer efficiency.

REDUCE
ENERGY
COSTS

It consumes less energy, helping you to save on electricity costs.

ECO
FRIENDLY

R32 has zero impact on the ozone layer, therefore it's environment friendly.

REFRIGERANT PROPERTIES OF R22, R32, AND R410A

	R-32	R410A	R-22
Composition	Single Component	2 Components	Single Component
Chemical Formula	CH ₂ F ₂	CH ₂ F ₂ / CHF ₂ CF ₃	CHClF ₂
Boiling Point (°C)	-51.7	-51.5	-40.8
Ozone Depletion Potential (ODP)	0	0	0.055
Global Warming Potential (GWP)	675	2090	1810
Pressure	1.6 x	1.6 x	1x
Refrigerant Oil	Synthetic Oil (FW50S)	Synthetic Oil (FV50S)	Mineral Oil
Toxicity	None	None	None
Flammability	A2L Mildly flammable	A1 Non-flammable	A1 Non-flammable

What is R32?

R32
REFRIGERANT

CH₂F₂: Single composition

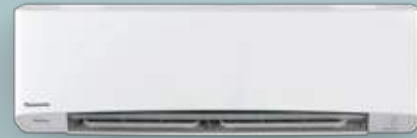
$GWP_{R32} \approx \frac{1}{3} GWP_{R410A}$

Lifetime in atmosphere is shorter, 4 – 9 years

Ozone Depletion Potential (ODP) = 0

Non toxic

AERO SERIES



PREMIUM REVERSE
CYCLE INVERTER
AERO SERIES
• Slim & Sleek Outline

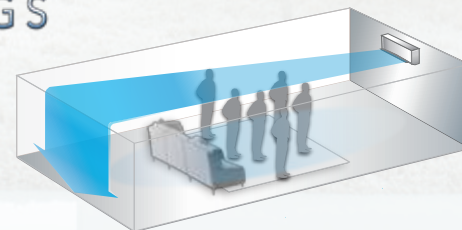


STANDARD REVERSE
CYCLE INVERTER
DEVELOPER SERIES
• Stylish & Compact Design

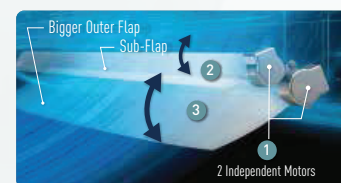
AEROWINGS

Concentrated Airflow, Further

Further and faster airflow
across the room.



Concentrated Airflow, Further, Faster



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

• Further, faster, concentrated airflow
with 2 independent flaps and motors.

Air Purification*

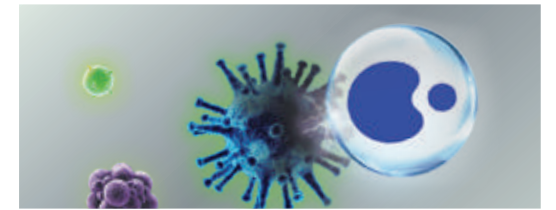
•nanoeX



Deodorises

• Deodorises commonly encountered smells such as cigarette smoke, perspiration and carpets.

•nanoeX



Inhibits Bacteria and Viruses

• Inhibits growth of bacteria and viruses
adhering to surfaces.

*Applicable for selected models with nanoe™ X function.

Air Flow



Shower Cooling

• Shower airflow spreads across room
and showers down gently.

Shower Cooling Airflow Assessment

Airflow Smoke Test



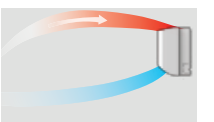
AEROWINGS directs
airflow upwards over a
wider area then showers
down gently and evenly
across the room.

Temperature Distribution Test



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.

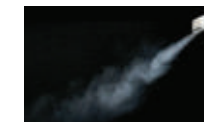


Powerful Fast Cooling

• AEROWINGS twin flaps direct
concentrated airflow downwards to cool
you rapidly.

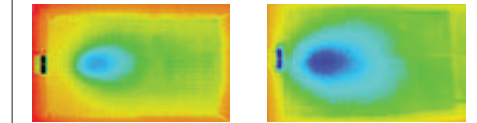
Fast Cooling Airflow Assessment

Airflow Smoke Test



AEROWINGS directs
airflow downwards and
towards you for instant
cooling.

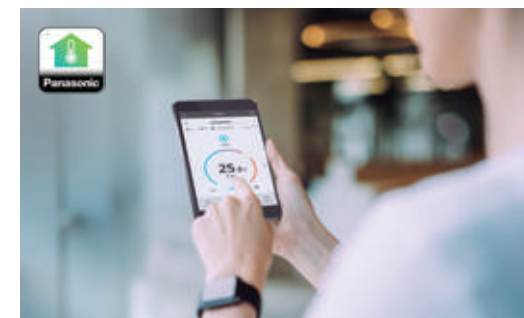
Temperature Distribution Test



Conventional Cooling
Slow cooling will result
in uneven cooling.

Fast Cooling
Concentrated airflow
cools room instantly
and evenly.

Air Connectivity*



Panasonic Comfort Cloud App

- Easily pre-cool your space
- Monitor air quality with nanoe™ mode
- Easily monitor energy usage
- Remotely adjust real time temperature

*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.

Premier Series Floor Console

Air Purification*

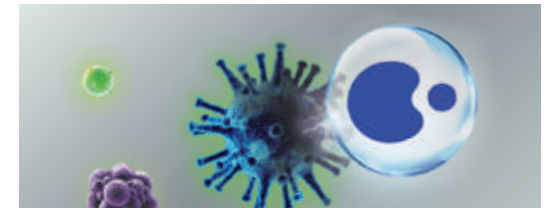
nanoeX



Deodorises

- Deodorises commonly encountered smells such as cigarette smoke, perspiration and carpets.

nanoeX



Inhibits Bacteria and Viruses

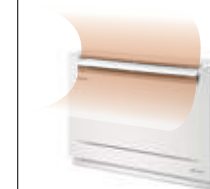
- Inhibits growth of bacteria and viruses adhering to surfaces.

Air Flow

Upper & Lower Vane Blow

Optimum air flow from the top and bottom of the unit assures that even your feet are kept comfortably warm.
(Only during heating)

Heating



- Upward and downward air flows warm the whole room uniformly.

Cooling



- Upward air flow efficiently cools the entire room.

Air Efficiency

19dB*
Indoor



Super Quiet

- The indoor and outdoor units deliver quiet operation and pressing the Quiet mode button lowers operation noise even further to just 19dB for indoor unit with low fan speed.

*CS-Z25UFW and CS-Z35UFW: In the Quiet mode during heating operation with low fan speed.

Air Connectivity*



Panasonic Comfort Cloud App

- Easily **pre-cool your space**
- Monitor air quality with **nanoe™ mode**
- Easily **monitor energy usage**
- Remotely **adjust real time temperature**

*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.

*If you connect WLAN adaptor (CZ-TACG1) to an indoor unit other than wall mounted type and operate from the smartphone with Panasonic Comfort Cloud App, airflow direction may not be operated as it is shown on the display.



Floor Console

Elegant & Compact Design



Compact Design

The design features a flat, elegant front panel that provides a neat appearance and the unit can be recessed into a wall up to 50 mm.

50mm

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



CS-Z20VVKR | CS-Z25VVKR | CS-Z35VVKR | CS-Z42VVKR



CS-Z50VVKR | CS-Z60VVKR | CS-Z71VVKR | CS-Z80VVKR



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 | Heating | Outdoor Unit EER: Cooling Efficiency COP: Heating Efficiency

SPECIFICATIONS

MODEL [240V / 1 Phase / 50Hz]			CS-Z20VVKR [CU-Z20VVKR]	CS-Z25VVKR [CU-Z25VVKR]	CS-Z35VVKR [CU-Z35VVKR]	CS-Z42VVKR [CU-Z42VVKR]	CS-Z50VVKR [CU-Z50VVKR]	CS-Z60VVKR [CU-Z60VVKR]	CS-Z71VVKR [CU-Z71VVKR]	CS-Z80VVKR [CU-Z80VVKR]
Cooling / Heating Capacity	[min-max]	kW	2.05 [0.90-2.40] 2.70 [0.85-4.10]	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 [1.70-9.90]	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	6,990 [3,070-8,180] 9,210 [2,900-14,000]	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	168/187	193/203	207/220	222/222	328/332	332/340	355/362	370/370
Dehumid		L/h	1.3	1.5	2.0	2.4	2.8	3.3	4.1	4.7
Electrical Data	Running Current	A	1.95/2.55	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	0.41 [0.18-0.57] 0.55 [0.17-1.03]	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]
AEER / EER ACOP / COP		W/W W/W	4.84/5.00 4.79/4.91	4.87/5.00 5.06/5.16	4.31/4.38 4.51/4.57	3.88/3.93 3.77/3.81	4.38/4.42 4.54/4.58	3.77/3.80 4.02/4.04	3.58/3.60 3.77/3.79	3.43/3.45 3.72/3.73
Star Rating			5.0 5.0	5.0 5.5	4.0 4.5	3.0 3.0	4.0 4.5	3.0 3.5	2.5 3.0	2.0 2.5
Noise Level	Sound Pressure Level ^{**2} dB[A]	Indoor (H / L / Q-Lo)	38/24/19 39/25/21	43/25/19 42/27/21	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)	45/- 46/-	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)	54/40/35 55/41/37	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)	60/- 61/-	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	9[29]	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	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	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]	ø 6.35 [1/4]
	Gas Side	mm/(inch)	ø 9.52 [3/8]	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	3-30
Maximum Elevation Length	m		15	15	15	15	15	15	20	20
Pipe Length For Additional Gas	m		7.5	7.5	7.5	7.5	10	10	10	10
Additional Gas Amount	g/m		10	10	10	15	15	15	25	25
Power Supply			Outdoor	Outdoor	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	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24
Refrigerant Type			R32	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

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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

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.	
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.	
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. 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-Z20VVKR, CS-Z25VVKR, CS-Z35VVKR [*] 30m - CS-Z42VVKR, CS-Z50VVKR, CS-Z60VVKR, CS-Z71VVKR, CS-Z80VVKR	
		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-Z20VVKR
CU-Z25VVKR
CU-Z35VVKR



CU-Z42VVKR
CU-Z50VVKR
CU-Z60VVKR
CU-Z71VVKR



CU-Z80VVKR



CS-RZ25V | CS-RZ35V | CS-RZ42V



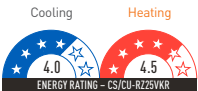
Wireless Remote Controller



CZ-RD514C Wired Remote Controller (Optional)



Network Adaptor*1 (Optional)



CS-RZ50V | CS-RZ60V | CS-RZ71V | CS-RZ80V



Wireless Remote Controller



CZ-RD514C Wired Remote Controller (Optional)



Network Adaptor*1 (Optional)



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

SPECIFICATIONS

MODEL [240V / 1 Phase / 50Hz]			CS-RZ25V	CS-RZ35V	CS-RZ42V	CS-RZ50V	CS-RZ60V	CS-RZ71V	CS-RZ80V
			[CU-RZ25V]	[CU-RZ35V]	[CU-RZ42V]	[CU-RZ50V]	[CU-RZ60V]	[CU-RZ71V]	[CU-RZ80V]
Cooling / Heating Capacity	[min-max]	kW	2.50 [0.90-3.00] 3.00 [0.90-3.60]	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
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	5.10/5.90	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 [0.40-2.64]	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 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 3.62/3.64	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	Degree °C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating		-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

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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

ENERGY SAVINGS			
<div>INVERTER CONTROL</div> <div>Varies the rotation speed of the compressor for higher energy savings.</div>	<div></div>	<div>ECO MODE</div> <div>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.</div>	<div></div>
COMFORT			
<div>FAN MODE</div> <div>Allows you to run the fan without any cooling or heating, thus giving just ventilation.</div>	<div></div>	<div>HOT START CONTROL</div> <div>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.</div>	<div></div>
<div>SOFT DRY OPERATION MODE</div> <div>Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.</div>	<div></div>	<div>MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL</div> <div>* CS-RZ25VKRW, CS-RZ35VKRW & CS-RZ42VKRW only</div>	<div></div>
<div>AUTO CHANGEOVER (INVERTER)</div> <div>In Auto Mode the unit will select if heating or cooling is required.</div>	<div></div>	<div>PERSONAL AIRFLOW CREATION</div> <div>Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote, even from a distance.</div> <div>* CS-RZ50VKRW, CS-RZ60VKRW, CS-RZ71VKRW & CS-RZ80VKR only</div>	<div></div>
		<div>AIRFLOW DIRECTION CONTROL (UP & DOWN)</div> <div>Vertical airflow patterns can be controlled with operation by remote, even from a distance.</div> <div>*CS-RZ25VKRW, CS-RZ35VKRW & CS-RZ42VKRW only</div>	<div></div>
CLEAN & HEALTHY AIR			
<div>ANTI-BACTERIAL FILTER</div> <div>The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacterial protection to provide clean air.</div>	<div></div>	<div>ODOUR-REMOVING FUNCTION</div> <div>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.</div> <div>The unit must be in cool or dry mode and the fan speed must be set to automatic.</div>	<div></div>
		<div>REMOVABLE, WASHABLE PANEL</div> <div>Gives you easy access to the filter as well making the unit easy to clean.</div>	<div></div>
CONVENIENCE			
<div>24-HOUR DUAL ON & OFF REAL SETTING TIMER</div> <div>This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.</div>	<div></div>	<div>3RD PARTY CONNECTIVITY</div> <div>Allows limited control from an external source when wired to do so.</div>	<div></div>
<div>DEMAND RESPONSE ENABLING DEVICE (DRED)</div> <div>Allows Electrical Utility Companies to regulate the power supply to the units if connected.</div>	<div></div>	<div>LCD WIRELESS REMOTE CONTROL</div> <div>Easy control of the unit from anywhere in the room.</div>	<div></div>
		<div>WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION (OPTIONAL)</div> <div>Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.</div> <div>* Network adaptor (CZ-TACG1) is required</div>	<div></div>
RELIABILITY			
<div>BLUE FIN CONDENSER</div> <div>Extra protection from the elements with a longer lasting coil.</div>	<div></div>	<div>TOP-PANEL MAINTENANCE ACCESS</div> <div>Easy access for maintenance.</div>	<div></div>
<div>LONG PIPING</div> <div>Long piping offers more flexible installation options.</div> <div>*20m - CS-RZ25VKRW, CS-RZ35VKRW, CS-RZ42VKRW</div> <div>*30m - CS-RZ50VKRW, CS-RZ60VKRW, CS-RZ71VKRW, CS-RZ80VKR</div>	<div></div>	<div>SELF-DIAGNOSTIC FUNCTION</div> <div>Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.</div>	<div></div>

OUTDOOR



CU-RZ25V
CU-RZ35V



CU-RZ42V
CU-RZ50V
CU-RZ60V



CU-RZ71V



CU-RZ80V



CS-Z25UFWA | CS-Z35UFWA | CS-Z50UFWA



Wireless Remote Controller



CZ-RD514C Wired Remoted Controller (Optional)



Network Adaptor*1 (Optional)



SPECIFICATIONS

MODEL [240V / 1 Phase / 50Hz]			CS-Z25UFWA [CU-Z25UBRA]	CS-Z35UFWA [CU-Z35UBRA]	CS-Z50UFWA [CU-Z50UBRA]
Cooling / Heating Capacity	[min-max]	kW	2.50 [0.85~3.40] 3.40 [0.85~5.00]	3.50 [0.85~3.80] 4.30 [0.85~6.00]	5.00 [0.90~5.70] 5.60 [0.90~8.10]
	[min-max]	Btu/h	8,530 [2,900~11,600] 11,600 [2,900~17,100]	11,900 [2,900~13,000] 14,700 [2,900~20,500]	17,100 [3,070~19,400] 19,100 [3,070~27,600]
Air Flow	Indoor	L/s	163/173	170/182	198/227
Dehumid		L/h	1.5	2.0	2.8
Electrical Data	Running Current	A	2.30/3.25	3.70/4.60	6.00/6.40
	Power Input (min-max)	kW	0.50 [0.24~0.90] 0.74 [0.24~1.35]	0.86 [0.24~1.02] 1.06 [0.24~1.75]	1.37 [0.26~1.81] 1.47 [0.26~2.60]
EER		W/W	5.00	4.07	3.65
COP		W/W	4.59	4.06	3.81
Star Rating			5.0 4.5	3.5 3.5	2.5 3.0
Noise Level	Sound Pressure Level**2 dB[A]	Indoor [H / L / Q-Lo]	38/25/20 38/25/19	39/26/20 39/25/19	44/31/27 46/33/29
		Outdoor [H / Q-Lo]	46/- 47/-	48/- 50/-	48/43 49/44
	Sound Power Level dB	Indoor [H / L / Q-Lo]	54/41/36 54/41/35	55/42/36 55/41/35	60/47/43 62/49/45
		Outdoor [H / Q-Lo]	61/- 62/-	63/- 65/-	63/58 64/59
Net Weight	Indoor [Outdoor]	kg	13[33]	13[35]	13[42]
Dimensions	Indoor [H x W x D]	mm	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
	Outdoor [H x W x D]	mm	542 x 780 x 289	619 x 824 x 299	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]
	Gas Side	mm/inch	ø 9.52 [3/8]	ø 9.52 [3/8]	ø 12.70 [1/2]
Pipe Extension Length	Min ~ Max [m]		3~20	3~20	3~30
Maximum Elevation Length	m		15	15	20
Pipe Length For Additional Gas	m		7.5	7.5	7.5
Additional Gas Amount	g/m		10	10	15
Power Supply			Outdoor	Outdoor	Outdoor
Operating Range [Outdoor]	Cooling Heating Degree °C		-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24
Refrigerant Type			R32	R32	R32

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

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

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

FEATURES

ENERGY SAVINGS			
<h3>INVERTER CONTROL</h3> <p>Varies the rotation speed of the compressor for higher energy savings.</p>			
COMFORT			
<h3>QUIET MODE</h3> <p>Enjoy the comfort of running your air conditioner at night and still have a relaxing sleep.</p>		<div><h3>AUTO CHANGEOVER (INVERTER)</h3><p>In Auto Mode the unit will select if heating or cooling is required.</p></div>	
<h3>SOFT DRY OPERATION MODE</h3> <p>Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.</p>		<div><h3>MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL</h3></div>	
<h3>HOT START CONTROL</h3> <p>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.</p>		<div><h3>POWERFUL MODE</h3><p>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.</p></div>	
		<div><h3>AIRFLOW DIRECTION CONTROL (UP & DOWN)</h3><p>Vertical airflow patterns can be controlled with operation by remote, even from a distance.</p></div>	
CLEAN & HEALTHY AIR			
<h3>nanoe™ X</h3> <p>nanoe™ X deodorises and inhibits the growth of bacteria and viruses, for a fresher and cleaner living space.</p>		<div><h3>ODOUR-REMOVING FUNCTION</h3><p>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.</p><p>The unit must be in cool or dry mode and the fan speed must be set to automatic.</p></div>	
		<div><h3>REMOVABLE, WASHABLE PANEL</h3><p>Gives you easy access to the filter as well making the unit easy to clean.</p></div>	
CONVENIENCE			
<h3>24-HOUR DUAL ON & OFF REAL SETTING TIMER</h3> <p>This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.</p>		<div><h3>3RD PARTY CONNECTIVITY</h3><p>Allows limited control from an external source when wired to do so.</p></div>	
<h3>DEMAND RESPONSE ENABLING DEVICE (DRED)</h3> <p>Allows Electrical Utility Companies to regulate the power supply to the units if connected.</p>		<div><h3>WIRED REMOTE CONTROL (OPTIONAL)</h3><p>For use in commercial applications, or where users don't want a remote control.</p></div>	
<h3>DRED</h3>		<div><h3>LCD WIRELESS REMOTE CONTROL</h3><p>Easy control of the unit from anywhere in the room.</p></div>	
		<div><h3>WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION (OPTIONAL)</h3><p>Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.</p><p>* Network adaptor (CZ-TACG1) is required</p></div>	
RELIABILITY			
<h3>BLUE FIN CONDENSER</h3> <p>Extra protection from the elements with a longer lasting coil.</p>		<div><h3>LONG PIPING</h3><p>Long piping offers more flexible installation options.</p><p>*20m - CS-Z25UFWA, CS-Z35UFWA *30m - CS-Z50UFWA</p></div>	
<h3>RANDOM AUTO RESTART</h3> <p>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.</p>		<div><h3>SELF-DIAGNOSTIC FUNCTION</h3><p>Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.</p></div>	
<p>[Random]</p>		<div><h3>TOP-PANEL MAINTENANCE ACCESS</h3><p>Easy access for maintenance.</p></div>	

OUTDOOR



CU-Z25UBRA



CU-Z35UBRA



CU-Z50UBRA

Multi-Split Air Conditioning System

Panasonic's multi-split conditioning systems are designed to provide more space saving installation for outdoor units. A neater alternative to preserve the exterior appearance of buildings such as condominiums, single and multi-storey residences.



Compact and lightweight design to fit every building type

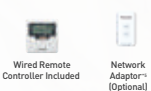
- The multi-split system offers greater installation versatility and space-saving choices for condominium with limited free space.

Wall-Mounted



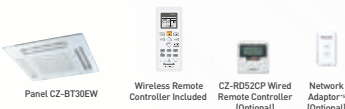
Model No	CS-MRZ16VKR	CS-MRZ20VKR	CS-RZ25VKRW	CS-RZ35VKRW
Capacity	1.6kW	2.0kW	2.5kW	3.5kW
Model No	CS-RZ42VKRW	CS-RZ50VKRW	CS-RZ60VKRW	CS-RZ71VKRW
Capacity	4.2kW ¹⁾	5.0kW ¹⁾	6.0kW ²⁾	7.1kW ^{2*)}

Ultra Slim Ducted



Model No	CS-Z25UD3RAW	CS-Z35UD3RAW	CS-Z50UD3RAW	CS-Z60UD3RAW
Capacity	2.5kW	3.5kW	5.0kW ¹⁾	6.0kW ²⁾

4-Way Mini Cassette



Model No	CS-Z25UB4RAW	CS-Z35UB4RAW	CS-Z50UB4RAW	CS-Z60UB4RAW
Capacity	2.5kW	3.5kW	5.0kW ¹⁾	6.0kW ²⁾

Floor Console

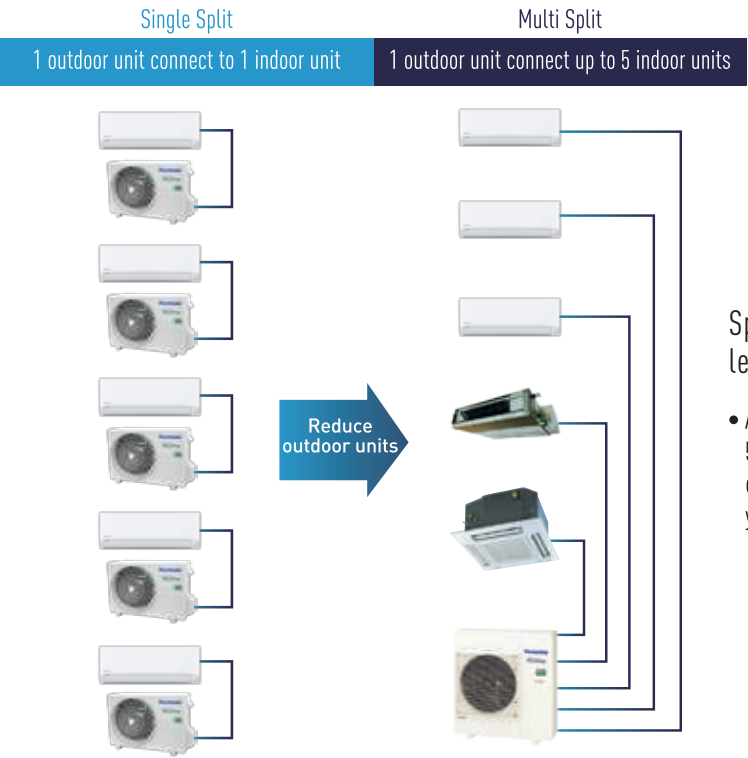


Model No	CS-Z25UFRAW	CS-Z35UFRAW	CS-Z50UFRAW
Capacity	2.5kW	3.5kW	5.0kW ¹⁾

¹⁾ 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.

Advantages Of Multi-Split Air Conditioning System

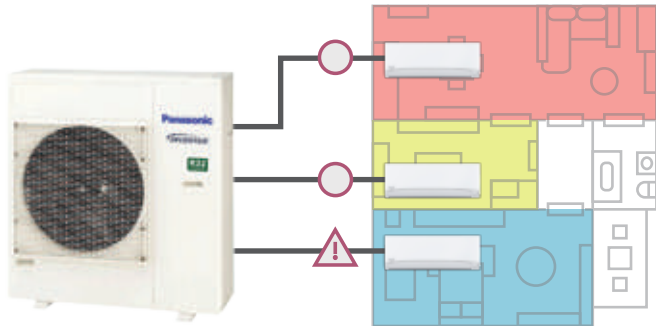
Space Saving



Space-saving installation with less outdoor units required

- As 1 outdoor unit is able to connect up to 5 indoor units, this provide flexible customization according to the layout of your house.

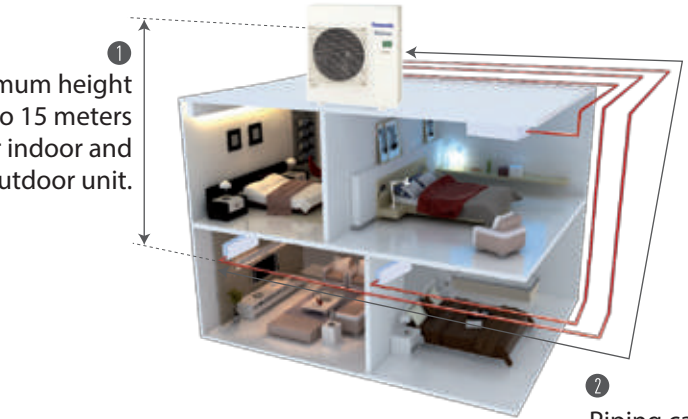
Independent Operation Control



Outdoor unit connects to each indoor unit independently

- Able to adjust the operation settings for each indoor unit separately. If one indoor unit is malfunctions, other indoor units can continue to operate by provide cooling comfort to the rooms.


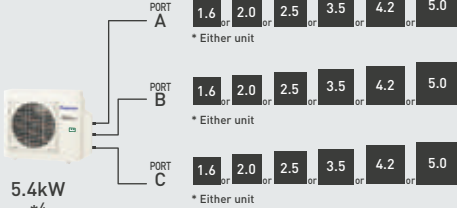
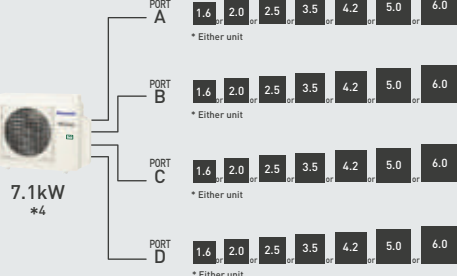
Flexible Installation



The multi-split system accommodates long pipelines up to 80 meters



- Flexible arrangement and installation of indoor and outdoor units based on the room condition, location and installation convenience of the site.

Specifications


Models		Indoor Units: Possible Combination Patterns Must be within capacity range	Indoor Units Combination Range	Refrigerant Pipe Diameter			Pipe Extension					Indoor Unit Combinations					
				Indoor Unit	Liquid Side (mm)	Gas Side (mm)	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height	Capacity [kW class]	Type	Wall- Mounted	Cassette (4-Way)	Ultra Slim Ducted	Floor Console
Up to 2 rooms	CU-2Z52VBR	 5.2kW *4	3.2 to 7.7 kW	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	15 g/m	10 m	1.6	●				
												2.0	●				
												2.5	●	●	●	●	
				Room B	ø 6.35	ø 9.52						3.5	●	●	●	●	
												4.2	●				
												5.0	●	●	●	●	
Up to 3 rooms	CU-3Z54VBR	 5.4kW *4	4.5 to 9.5 kW	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	1.6	●				
												2.0	●				
				Room B	ø 6.35	ø 9.52						2.5	●	●	●	●	
												3.5	●	●	●	●	
				Room C	ø 6.35	ø 9.52						4.2	●				
												5.0	●	●	●	●	
Up to 4 rooms	CU-4Z71VBR	 7.1kW *4	4.5 to 11.5 kW	Room A	ø 6.35	ø 9.52	25 m	60 m	30 m	20 g/m	15 m	1.6	●				
												2.0	●				
				Room B	ø 6.35	ø 9.52						2.5	●	●	●	●	
												3.5	●	●	●	●	
				Room C	ø 6.35	ø 9.52						4.2	●				
												5.0	●	●	●	●	

*4 To enable demand response management, an optional accessory needs to be installed [CZ-CAP2]


Outdoor




Up to 2 rooms

CU-2Z52VBR

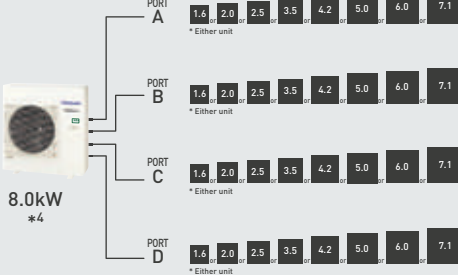
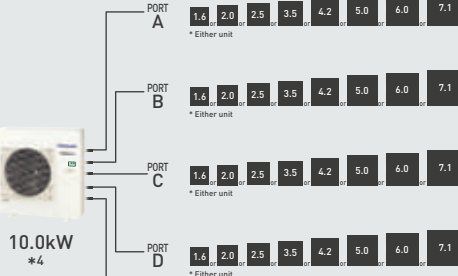
Up to 3 rooms

CU-3Z54VBR






Up to 4 rooms

CU-4Z71VBR



Specifications

Models		Indoor Units: Possible Combination Patterns Must be within capacity range	Indoor Units Combination Range	Refrigerant Pipe Diameter			Pipe Extension					Indoor Unit Combinations					
				Indoor Unit	Liquid Side (mm)	Gas Side (mm)	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height	Capacity [kW class]	Type	Wall- Mounted	Cassette (4-Way)	Ultra Slim Ducted	Floor Console
Up to 4 rooms	CU-4Z80VBR	 8.0kW *4	4.5 to 14.7 kW	Room A	ø 6.35	ø 9.52	25 m	70 m	45 m	20 g/m	15 m	1.6	●				
												2.0	●				
				Room B	ø 6.35	ø 9.52						2.5	●	●	●	●	
												3.5	●	●	●	●	
				Room C	ø 6.35	ø 9.52						4.2	●				
												5.0	●	●	●	●	
Up to 5 rooms	CU-5Z100VBR	 10.0kW *4	4.5 to 18.3 kW	Room A	ø 6.35	ø 9.52	25 m	80 m	45 m	20 g/m	15 m	1.6	●				
												2.0	●				
				Room B	ø 6.35	ø 9.52						2.5	●	●	●	●	
												3.5	●	●	●	●	
				Room C	ø 6.35	ø 9.52						4.2	●				
												5.0	●	●	●	●	


*4 To enable demand response management, an optional accessory needs to be installed [CZ-CAP2]

Accessories				
 CZ-MA1P *1 CZ-MA1P is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".	 CZ-MA2P *2 CZ-MA2P is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".	 CZ-MA3P *3 CZ-MA3P is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".	 CZ-CAP2 *4 Demand response module CZ-CAP2.	 CZ-TACG1 *5 Network Adaptor (Optional)


Outdoor



Up to 4 rooms

CU-4Z80VBR

Up to 5 rooms

CU-5Z100VBR

Indoor units

Model		Wall-Mounted								Cooling Heating
		CS-MR216VKR	CS-MR220VKR	CS-RZ25VKRW	CS-RZ35VKRW	CS-RZ42VKRW	CS-RZ50VKRW	CS-RZ60VKRW	CS-RZ71VKRW	
Capacity		kW	1.6	2.0	2.5	3.5	4.2	5.0	6.0	7.1
Power Source		Single Phase 240V, 50Hz								
Noise (H/L)	Cooling	dB(A)	41/27	42/27	42/27	46/28	47/33	46/36	48/38	51/39
	Heating	dB(A)	41/29	42/29	42/29	46/31	46/37	46/35	48/38	51/39
	Cooling	dB	57/43	58/43	58/43	62/44	63/49	62/52	64/54	67/55
	Heating	dB	57/45	58/45	58/45	62/47	62/53	62/51	64/54	67/55
Airflow		Cooling/ Heating L/s	183/192	190/198	190/193	195/213	198/213	332/338	353/353	385/395
Dimensions	Height	mm	290	290	290	290	290	302	302	302
	Width	mm	799	799	799	799	799	1,102	1,102	1,102
	Depth	mm	197	197	197	197	197	244	244	244
Net Weight		kg	8	8	8	8	8	12	13	13
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52	ø 9.52*1	ø 9.52*1	ø 12.70*2	ø 12.70*2*3

Model		Ultra Slim Ducted				4-Way Mini Cassette				Floor Console			Cooling Heating
		CS-Z25UD3RAW	CS-Z35UD3RAW	CS-Z50UD3RAW	CS-Z60UD3RAW	CS-Z25UB4RAW	CS-Z35UB4RAW	CS-Z50UB4RAW	CS-Z60UB4RAW	CS-Z25UFRAW	CS-Z35UFRAW	CS-Z50UFRAW	
Capacity		kW	2.5	3.5	5.0	6.0	2.5	3.5	5.0	6.0	2.5	3.5	5.0
Power Source		Single Phase 240V, 50Hz											
Noise (H/L)	Cooling	dB(A)	35/29	35/28	41/31	43/32	36/27	36/28	40/30	45/34	40/27	41/28	46/33
	Heating	dB(A)	36/29	37/29	41/32	43/34	37/30	39/30	41/31	47/34	40/27	41/27	48/35
Noise (H)	Cooling	dB	51	51	57	59	52	52	56	61	56	57	62
	Heating	dB	52	53	57	59	53	55	57	63	56	57	64
Airflow		Cooling/Heating L/s	175/175	187/187	255/255	262/262	175/180	175/195	192/197	237/253	163/173	170/182	198/227
Dimensions	Height	mm	200	200	200	200	260	260	260	260	600	600	600
	Width	mm	750	750	750	750	575	575	575	575	750	750	750
	Depth	mm	640	640	640	640	575	575	575	575	207	207	207
Net Weight		kg	19	19	19	19	18	18	18	18	13	13	13
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52*1	ø 12.70*2	ø 9.52	ø 9.52	ø 9.52*1	ø 12.70*2	ø 9.52	ø 9.52	ø 9.52*1

*1 CZ-MA1P is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".
*2 CZ-MA2P is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".
*3 CZ-MA3P is to be used to reduce the connection size on the indoor unit from 3/8" to 1/2".

Outdoor Units

Model			(50Hz)	CU-2Z52VBR	CU-3Z54VBR	CU-4Z71VBR	CU-4Z80VBR	CU-5Z100VBR	Cooling Heating
Indoor Units Combination				2.50kW + 2.50kW	1.60kW + 1.60kW + 2.00kW	1.60kW + 1.60kW +1.60kW + 2.00kW	2.00kW + 2.00kW + 2.00kW + 2.00kW	2.00kW + 2.00kW + 2.00kW + 2.00kW + 2.00kW	
Power Source				Single Phase 240V, 50Hz					
Cooling Operation	Capacity (min-max)	kW	5.20 [1.50-6.00]	5.40 [1.80-7.30]	7.10 [1.90-8.80]	8.00 [2.30-9.20]	10.00 [2.30-11.50]		
Maximum Connectable Capacity		kW	7.7	9.5	11.5	14.7	18.3		
Maximum Connectable Indoors		Units	2	3	4	4	5		
Electrical Data	Running Current	A	5.9	5.1	7.4	8.9	11.8		
	Power Input (min-max)	kW	1.35 [0.25-1.62]	1.12 [0.36-2.18]	1.66 [0.34-2.47]	1.98[0.42-2.87]	2.60 [0.43-3.59]		
	AEER/EER	W/W	3.79 / 3.85	4.74 / 4.82	4.23 / 4.28	4.00 / 4.04	3.81 / 3.85		
Noise [H]	Sound Pressure Level	dB(A)	51	48	49	51	53		
	Sound Power Level	dB	66	62	63	67	69		
Heating Operation	Capacity	kW	6.10 [1.10-7.20]	7.00 [1.60-9.00]	8.50 [3.00-10.70]	9.40 [3.00-11.60]	12.00 [3.40-14.50]		
Electrical Data	Running Current	A	6.2	6.8	8.6	9.3	12.1		
	Power Input (min-max)	kW	1.43 [0.21-1.90]	1.54 [0.32-2.63]	1.95 [0.50-2.72]	2.03 [0.50-3.42]	2.76 [0.58-4.02]		
	ACOP/COP	W/W	4.21 / 4.27	4.49 / 4.55	4.32 / 4.36	4.58 / 4.63	4.31 / 4.35		
Noise [H]	Sound Pressure Level	dB(A)	53	49	51	52	56		
	Sound Power Level	dB	68	63	65	68	72		
Maximum Current		A	11.5	15.2	15.6	19.0	21.3		
Starting Current		A	6.4	7.0	8.8	9.7	12.5		
Compressor Output		W	900	1300	1300	1700	1700		
Dimensions	Height	mm	619	795	795	999	999		
	Width	mm	824 (+70)	875 (+95)	875 (+95)	940	940		
	Depth	mm	299	320	320	340	340		
Net Weight		kg	39	71	72	80	81		
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor		
Pipe Length Range (1 room)		m	3~20	3~25	3~25	3~25	3~25		
Maximum Pipe Length (Total) *		m	30	50	60	70	80		
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35		
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52	ø 9.52		
Operating Range	Cooling	Degree (°C)	-10~+46	-10~+46	-10~+46	-10~+46	-10~+46		
	Heating	Degree (°C)	-15~+24*1	-15~+24*1	-15~+24*1	-15~+24*1	-15~+24*1		

* Additional Gas might be required for some models. Refer to Page 38 for information on Additional Gas.

Rating Conditions		
	Cooling	Heating
Inside air temperature	27°C DB /19°C WB	20°C DB
Outside air temperature	35°C DB	7°C DB /6°C WB

Panasonic

- 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 March 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

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LEM6964

Panasonic Global Air Conditioner

Global Site : aircon.panasonic.com

PROClub : panasonicproclub.global



[airconpanasonicglobal](https://www.youtube.com/channel/UCv3v3v3v3v3v3v3v3v3v3v3)

AC-NZ-C-19
BRO-AC-RAC1920