

# 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 October 2021.
- Due to printing considerations, actual colours may vary slightly from those shown.
- All graphics are provided solely for the purpose of illustrating a point.



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for damage or deterioration in safety due to usage of other refrigerant.

Authorised Dealer



**Panasonic Heating & Cooling Solutions**

Global site : [aircon.panasonic.com](http://aircon.panasonic.com)

PRO Club : [panasonicproclub.global](http://panasonicproclub.global)

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

**Panasonic Singapore Customer Care Centre**

202 Bedok South Avenue 1, Block A  
Singapore 469332

Tel : +65 6222 7222

Email : [service@singapore.panasonic.com](mailto:service@singapore.panasonic.com)

Website : [www.panasonic.com.sg](http://www.panasonic.com.sg)

[www.facebook.com/sgpanasonic](https://www.facebook.com/sgpanasonic)

AC-SG-C-21

## RESIDENTIAL AIR CONDITIONERS 2021/2022

WAKE UP REFRESH



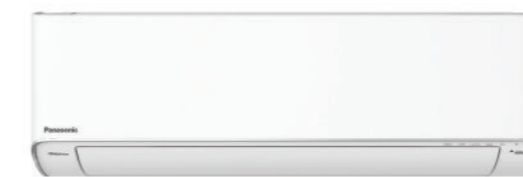
AWAY FROM HOME



PRECIOUS NIGHT SLEEP



FAMILY EVENING MOMENTS



X-PREMIUM INVERTER R32



STANDARD INVERTER R32



## QUALITY AIR FOR LIFE

A Better Life, A Better World

# QUALITY AIR FOR LIFE



Quality air has been a prime concern of many in today's world. While we spend most of our time indoors, we often take the perception that indoor air is cleaner than the outside air.

Panasonic is committed to advance frontiers through air quality improvement with "Quality Air For Life" initiatives and bring a great range of air solutions to mitigate indoor air concerns. Quality Air For Life solutions aim to deliver comfortable, clean air and clean energy solutions through four different enabling technologies: Air Purification, Air Conditioning, Air Connectivity and Air Ventilation.

## Quality Air Solutions at Home

Panasonic offers a wide range of air conditioning solutions to purify and cool indoor spaces for comfort with energy efficiency for a lesser environmental impact. Connect with the Panasonic Comfort Cloud App that keeps you in touch with your home air conditioner remotely while you're away from home.



**AIR PURIFICATION**  
Purifies air and surfaces 24 hours a day



**AIR CONNECTIVITY**  
Stay connected and in control anywhere, anytime



**AIR CONDITIONING**  
Comfortable cool air for you and your family



**AIR EFFICIENCY**  
Eco-friendly and cost saving technologies for a sustainable living

<b>EASY INSTALLATION AND SERVICING</b>	<b>32</b>	<b>SPECIFICATIONS OF X-PREMIUM INVERTER R32</b>	<b>34</b>
<b>SPECIFICATIONS OF DELUXE INVERTER R410A</b>	<b>36</b>	<b>SPECIFICATIONS OF STANDARD INVERTER R32</b>	<b>38</b>
<b>SPECIFICATIONS OF STANDARD INVERTER R410A</b>	<b>40</b>	<b>SPECIFICATIONS OF INVERTER MULTI-SPLIT</b>	<b>42</b>
<b>TOTAL QUALITY AIR SOLUTIONS</b>	<b>60</b>	<b>nanoe™ WORLD</b>	<b>62</b>
<b>TECHNICAL EXPLANATION (nanoe™ X &amp; nanoe-G)</b>	<b>64</b>	<b>FEATURES COMPARISON &amp; EXPLANATION</b>	<b>74</b>
<b>MODEL LINE-UP</b>	<b>76</b>		



# 24-HOUR PROTECTION

with nanoe™ X + Comfort Cloud

Your health starts with you at home from the outside world. nanoe™ X with hydroxyl radicals contained in water helps families to ensure constantly clean and safe indoor environments by inhibiting bacteria, viruses, mould and other pollutants while deodorising for clean and fresh air.

Choose Panasonic air conditioners equipped with nanoe™ X and stay connected by downloading the Panasonic Comfort Cloud App\* to manage your air conditioners with one device.



\*A router with Internet connection is required to connect your air conditioner with the Panasonic Comfort Cloud App. The CZ-TACG1 accessory is required for DELUXE INVERTER R410A, STANDARD INVERTER R32 and SLIM DUCTED. Built-in Wi-Fi is only available for X-PREMIUM INVERTER R32 and X-PREMIUM INVERTER R410A model.

# Stay Safe Indoors with 24-Hour nanoe™ X Air Protection<sup>1</sup>

nanoe™ X technology with the benefits of hydroxyl radicals can effectively inhibit adhered and airborne pollutants, and reduce odours. You can switch ON nanoe™ X mode with the air conditioning operation ON or OFF to actively clean your air when you are at home or operate independently when you are away from home.

nanoe™ X mode operates on low energy consumption and requires no maintenance – thanks to the titanium-made nanoe™ X device. nanoe™ X keeps you and your family safe indoors with 24-hour active air protection.



Switch nanoe™ X mode ON to inhibit pollutants and deodorise while you're away.

\*Energy consumption may vary depending on models.



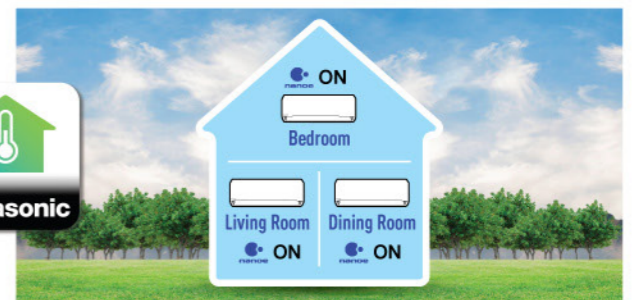
Provides a cleaner and comfortable space for you and your loved ones.

# Smartify Your Air Conditioner Anytime, Anywhere

Take control of singular or multiple air conditioning units wherever you are. Purify your home with the Panasonic Comfort Cloud App on your mobile device on-the-move.



Switch on nanoe™ X mode without cooling whilst away from home.



Convenience to monitor and manage the air conditioners with one mobile device.

<sup>1</sup>The nanoe™ X mode can be run independently from cooling mode, and needs to be ON for the 24-hour air purification to function.

# Activate nanoe™ X All Day Long

Making your home a safe place to be. nanoe™ X works at all hours of the day to bring you pleasant mornings and comfortable nights. Giving you a peace of mind, in the comfort of your own home.



nanoe™ X



**MORNING**

## WAKE UP REFRESH

Kick start the day at breakfast with quality air that refreshes and energises your morning.

Odours

Allergens

Bacteria & Viruses

**NOON**

## AWAY FROM HOME

Control your home air conditioner remotely, with the Panasonic Comfort Cloud app to inhibit pollutants indoors, even when you are away from home.

Bacteria & Viruses

Hazardous Substances

Mould

**EVENING**

## FAMILY EVENING MOMENTS

Return home to cooling and refreshing air as the air conditioner cooling your home and nanoe™ X inhibits pollutants at the same time.

Odours

Pollen

Bacteria & Viruses

**NIGHT**

## PRECIOUS NIGHT SLEEP

Enjoy a good night's sleep while nanoe™ X keeps your air clean and safe throughout the night. nanoe™ X also helps to moisturise skin and hair for a refreshing morning the next day.

Moisturise Hair & Skin

Bacteria & Viruses

Cool + nanoe™ X



nanoe™ X



Cool + nanoe™ X



Cool + nanoe™ X



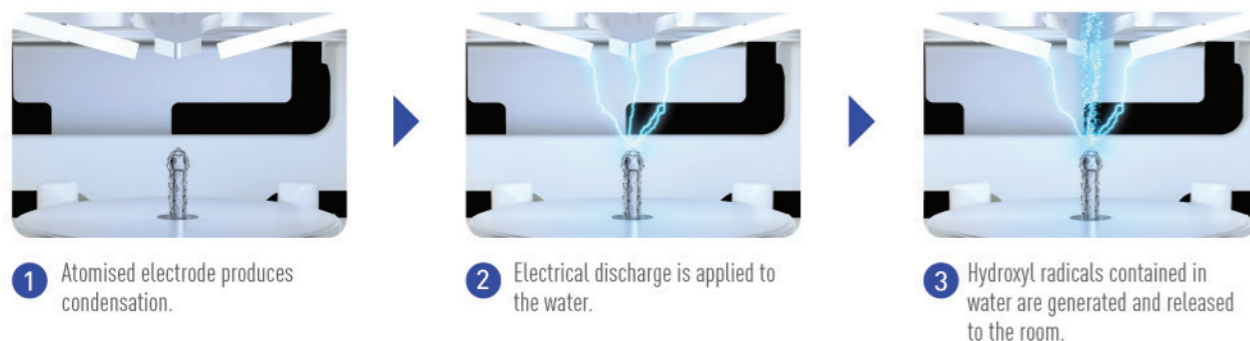


# nanoe™ X, Technology with the Benefits of Hydroxyl Radicals

Known as nature's detergent, hydroxyl radicals (also known as OH radicals) are natural reactive molecules looking to react with other elements such as hydrogen. This reaction enables hydroxyl radicals to inhibit the growth of pollutants.

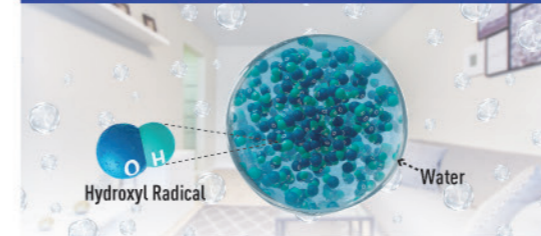
Panasonic's nanoe™ X technology brings these benefits to the comfort of your home to purify surfaces, soft furnishings and the indoor environment for a pleasant and comfortable living space.

## How the nanoe™ X device generates hydroxyl radicals contained in water?



# Uniqueness of nanoe™ X

## Huge Quantity



nanoe™ X produces 9.6 trillion hydroxyl radicals per second\*. Large amounts of hydroxyl radicals contained in nanoe™ X lead to outstanding effects in inhibiting pollutants.

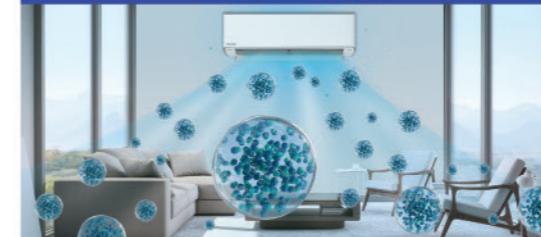
\*nanoe X Generator Mark 2 generates 9.6 trillion hydroxyl radicals per second. nanoe X Generator Mark 1 generates 4.8 trillion hydroxyl radicals per second.

## Longer Lifespan



nanoe™ X technology creates hydroxyl radicals contained in water, enhancing their lifespan from less than a second to more than 600 seconds (10 mins) to spread across long distances.

## Fills Space Actively



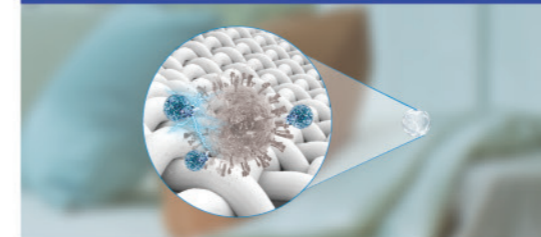
nanoe™ X actively fills the entire room and goes beyond the filter to inhibit adhered and airborne pollutants.

## Maintenance-Free



No maintenance, no replacement required. nanoe™ X is a filter-free solution using a titanium-made atomised electrode that does not require maintenance.

## Effective on Fabrics and Surfaces



Sized smaller than a steam droplet, nanoe™ X penetrates deeply into cloth fabrics to inhibit and deodorise effectively.

## Safe to Use



The safety of nanoe™ X has been tested in labs and institutions.

Visit our website for a list of safety data:  
[www.panasonic.com/global/consumer/clean/hydroxyl/technology.html](http://www.panasonic.com/global/consumer/clean/hydroxyl/technology.html)



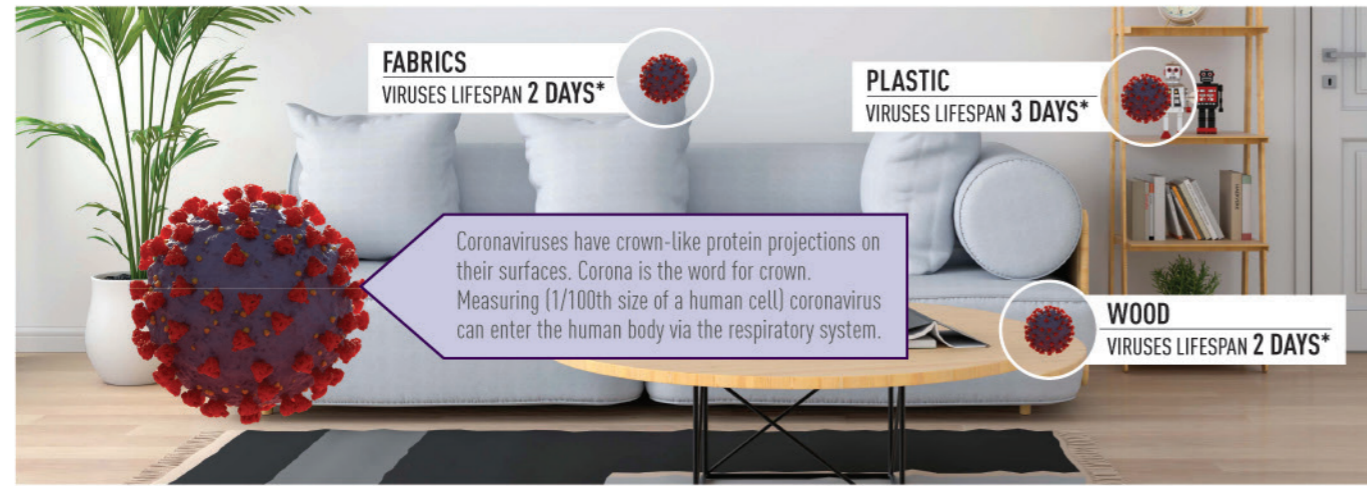
## Asthma and Allergy Friendly



nanoe™ X is approved by Sensitive Choice, which helps consumers worldwide live better with asthma and allergies.

Sensitive Choice is a community service program that aims to educate people about the importance of managing their asthma and allergies. Developed by the National Asthma Council Australia in 2006, the program also encourages companies to produce products and services that are more asthma and allergy aware.

Panasonic and Sensitive Choice have partnered to introduce the nanoe™ X to the Asian market. Purifying your air 24 hours, the nanoe™ X feature can function independently or concurrently with your air conditioner. This market leading Air Sterilisation technology works towards the inhibition of bacteria, viruses, allergens, pollens and mould within your indoor environment, whilst deodorising, keeping your home or office fresh and clean. Panasonic & Sensitive Choice are committed to bring you Quality Air, for Life.



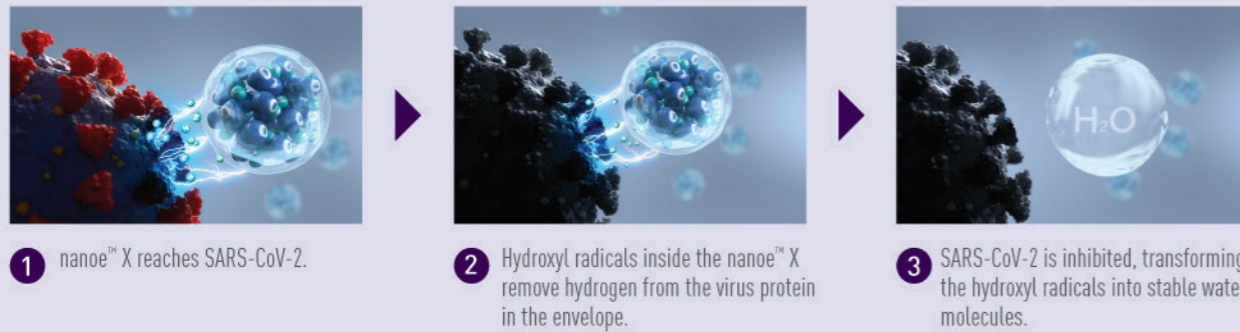
\*Virus Lifespan: <https://www.businessinsider.com/coronavirus-lifespan-on-surfaces-graphic-2020-3>

# Effective in Inhibiting Novel Coronavirus

COVID-19 pandemic triggered by the Novel Coronavirus (SARS-CoV-2) has brought social distancing and constant sanitisation as the new normal in our daily lives. nanoe™ X enables you to engage in more proactive activities through active purification to inhibit coronavirus around the clock.

## Inhibiting SARS-CoV-2 with nanoe™ X

nanoe™ X with hydroxyl radicals contained in water denatures the envelope's lipids and protein of viruses and inhibits it.

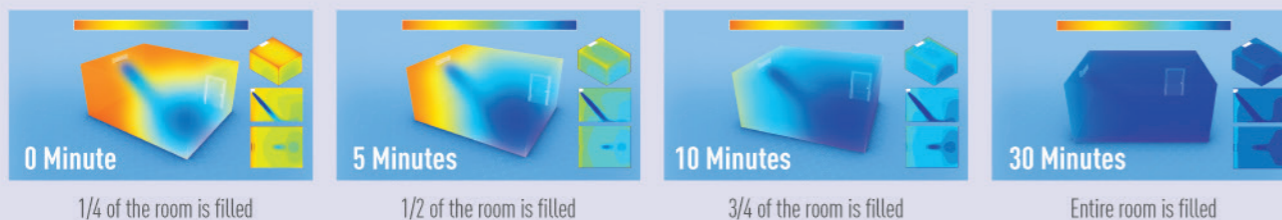


# The Power of nanoe™ X

Featuring a long lasting lifespan and huge amounts of hydroxyl radicals contained in water, nanoe™ X has the ability to travel for widespread coverage, especially in large spaces of 54m<sup>3</sup> to inhibit airborne and surface pollutants throughout the area.

## nanoe™ X Concentration Simulation

nanoe™ X concentration has been simulated in a 54m<sup>3</sup> (4m x 5m x 2.7m) room to fill for a duration of 30 mins. The bluer the colour, the higher the nanoe™ X concentration.



\*Photograph is for illustrative purposes.



### Overview

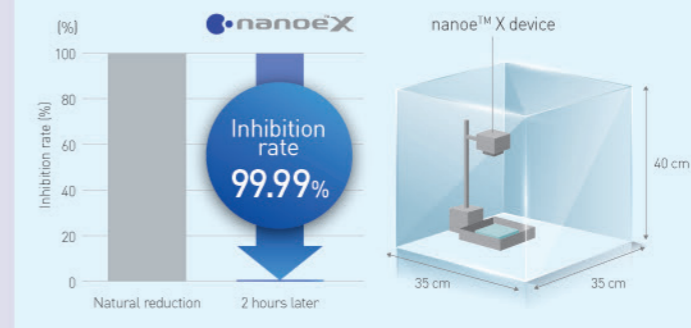
The objective of this test was to determine if nanoe™ X inhibits the activity of the SARS-CoV-2 virus. Gauze saturated with SARS-CoV-2 virus solution was exposed to a generator of nanoe™ X from a distance of 15cm in a 45L box for 2 hours. Over 99.99% of the activity of the SARS-CoV-2 virus was inhibited.

### Details

- (1) Testing organisation: TEXCELL (France)
- (2) Test subject: novel coronavirus (SARS-CoV-2)
- (3) Test volume: 45L enclosed box (400 mm x 350 mm x 350 mm)
- (4) Exposure time: 2 hours
- (5) Exposure distance: 15cm

## Test of a generator of nanoe™ X

Test results: SARS-CoV-2



Notes: [1] The virus infectious titer was measured and used to calculate the inhibition rate. [2] This verification was designed to generate basic research data on the effects of nanoe™ X on the novel coronavirus in laboratory conditions. It was not designed to evaluate product performance.



### Overview

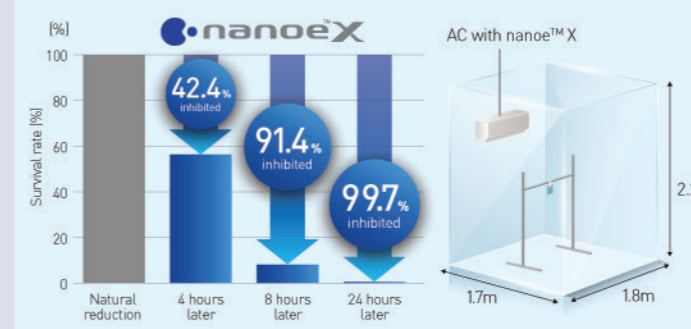
The objective of this test was to determine if nanoe™ X inhibits the activity of the SARS-CoV-2 virus. Gauze saturated with SARS-CoV-2 virus solution was exposed to an air conditioner with nanoe™ X from a distance of 0.7 m in a 6.7 m<sup>3</sup> room for 8 hours. Over 91% of the activity of the SARS-CoV-2 virus was inhibited.

### Details

- (1) Testing organisation: Texcell (France)
- (2) Test subject: novel coronavirus (SARS-CoV-2)
- (3) Test volume: 6.7 m<sup>3</sup> room (1.7 m x 1.8 m x 2.2 m)
- (4) Exposure time: 8 hours

## Test of an air conditioner with nanoe™ X

Test results: SARS-CoV-2

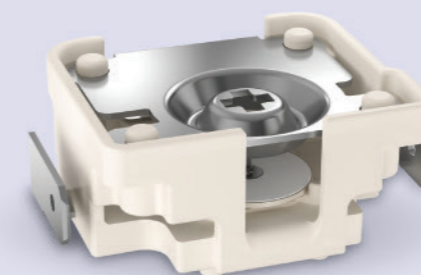


Notes: [1] The virus infectious titer was measured and used to calculate the inhibition rate. [2] This verification was designed to generate basic research data on the effects of nanoe™ X on the novel coronavirus in laboratory conditions. Actual effects will vary depending on the environment and usage of the product.



## The Development of nanoe™ X Generators

Enhancing the effectiveness of hydroxyl radicals contained in water through every new and improved nanoe™ X generator.

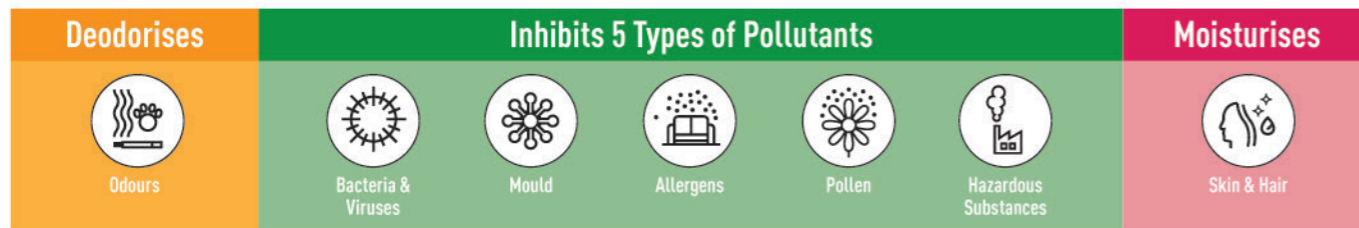


Generator	Mark 1	Mark 2 <b>NEW</b>
	4.8 trillion hydroxyl radicals/sec	9.6 trillion hydroxyl radicals/sec
Ion particle structure		



# 7 Effects of nanoe™ X

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

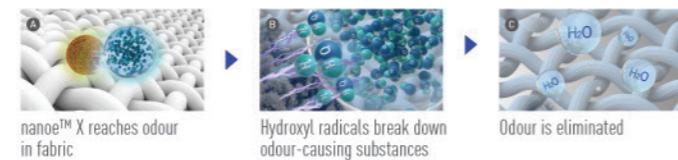


## Deodorises Various Types of Odours

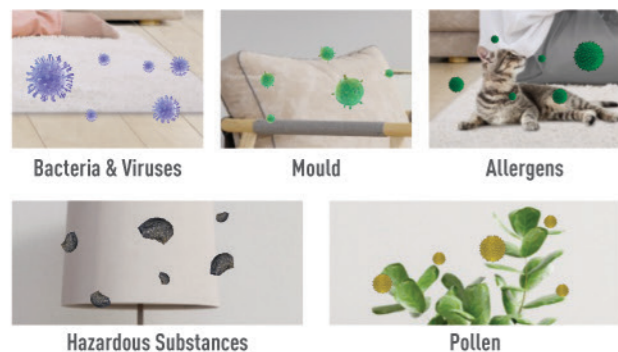


nanoe™ X reduces strong, adhesive odours<sup>1</sup> by deeply penetrating into fabrics, resulting in lasting freshness in your living space.

### How nanoe™ X Reduces Odour



## Inhibits 5 Types of Pollutants

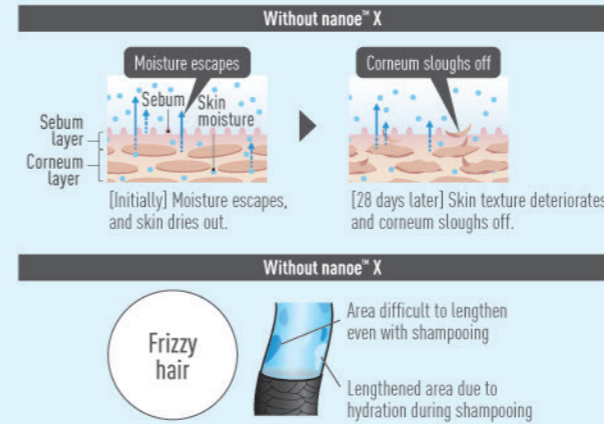


nanoe™ X inhibits airborne and adhered pollutants<sup>2</sup>, providing better air quality for your loved ones.

### How nanoe™ X Inhibits Pollutants

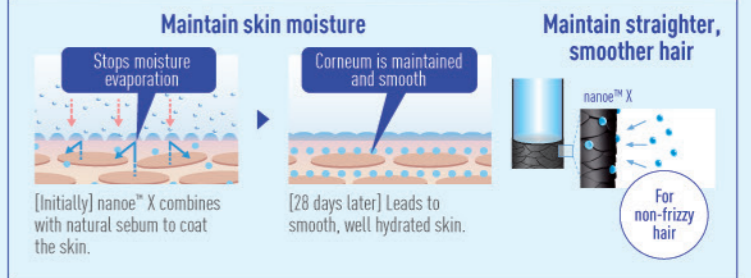


## Moisturises Skin and Hair



nanoe™ X water particles help to achieve proper moisture balance, resulting in smooth, hydrated skin and hair<sup>3</sup>.

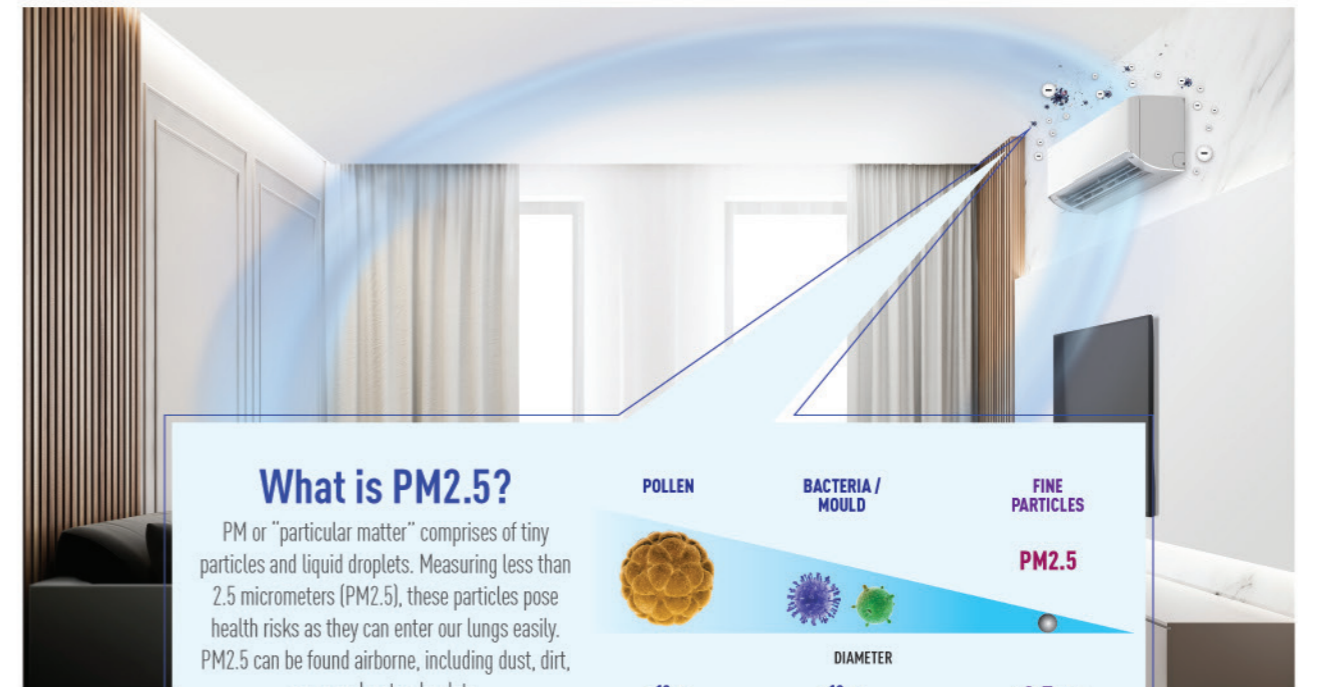
### How nanoe™ X works



## nanoe-G

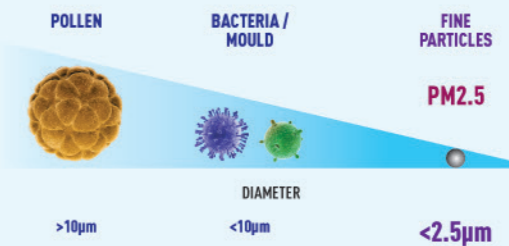
Effective in removing 99% of dust particles<sup>4</sup>, nanoe-G releases negative ions to capture dust particles sized as small as PM2.5, carrying them back to the filter to provide a clean and pristine living space.

## Dust Removal (PM2.5)

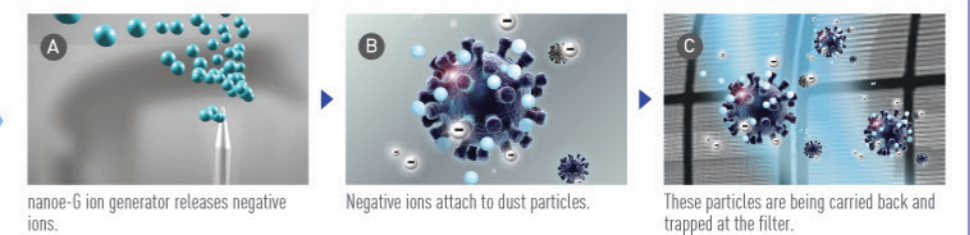


### What is PM2.5?

PM or "particulate matter" comprises of tiny particles and liquid droplets. Measuring less than 2.5 micrometers (PM2.5), these particles pose health risks as they can enter our lungs easily. PM2.5 can be found airborne, including dust, dirt, smog and water droplets.



### How nanoe-G works



<sup>1</sup>Please refer to page 65 <sup>2</sup>Please refer to page 66 <sup>3</sup>Please refer to page 71 <sup>4</sup>Please refer to page 73



# Manage at Ease Using Panasonic Comfort Cloud App

Bringing simplicity and convenience to your fingertips, Panasonic Comfort Cloud application gives you complete control of your air conditioning units anytime, anywhere.

The Panasonic Comfort Cloud application enables your mobile device to act as a remote controller, synchronising with your air conditioner in a matter of seconds. Perfect for multiple air conditioning units in single and multiple locations.

XU & MXS SERIES WITH BUILT-IN Wi-Fi

NEW 2021



Easy connectivity to Panasonic Comfort Cloud and removes the need to purchase and install optional network adaptor

AIR CONDITIONER WITH OPTIONAL NETWORK ADAPTOR



Optional network adaptor is required

# Smartify Your Air

Applicable for Residential Properties and Premises

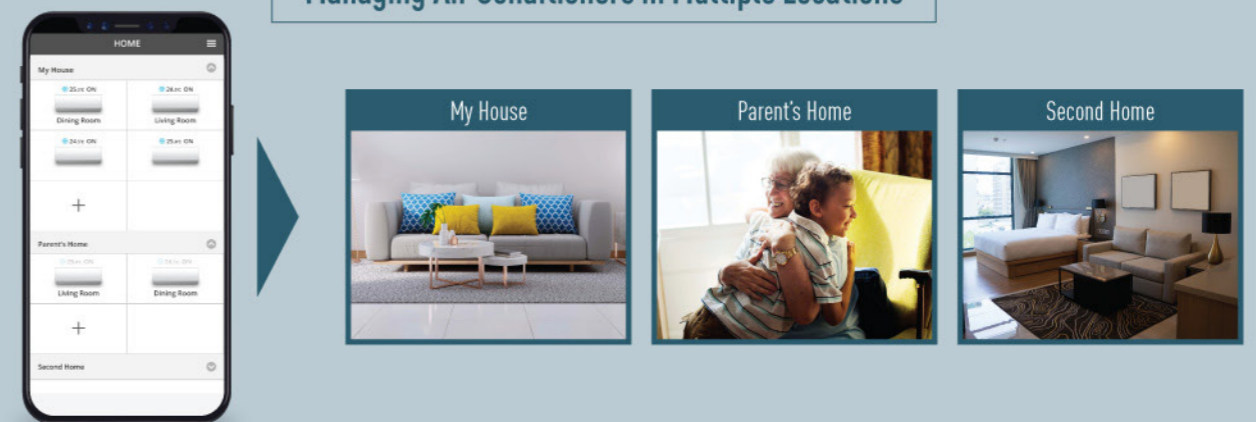
## SMART CONTROL

### Control Multiple Air Conditioners in Single/Multiple Locations

#### Managing Air Conditioners in Single Location



#### Managing Air Conditioners in Multiple Locations



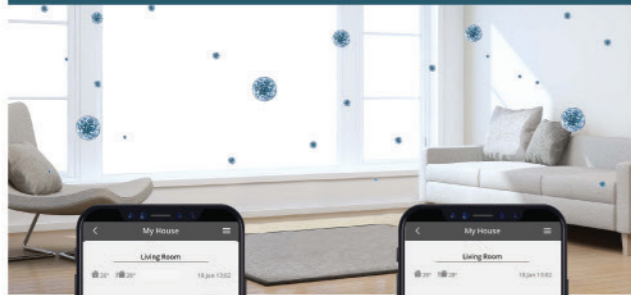
Monitor and control single and multiple air conditioners at one or more locations simultaneously anytime, anywhere with the Panasonic Comfort Cloud App. Switch ON or OFF all air conditioners at a single location also available at your convenience.



## SMART COMFORT

### Turn ON nanoe™ Mode

Switch on nanoe™ mode with cooling OFF



Switch on nanoe™ mode with cooling ON



### Switching Air Conditioner Mode



Activate iAUTO-X to enjoy rapid cooling on a hot day.

### Adjust Fan Speed And Air Swing

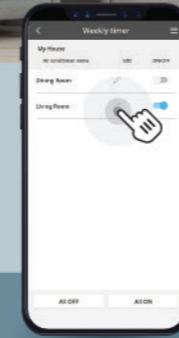


Enjoy comfortable cooling by adjusting the fan speed, air swing (up & down) or (left & right).

\*Functions availability may vary depending on models.

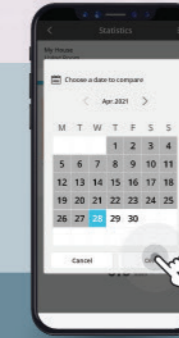
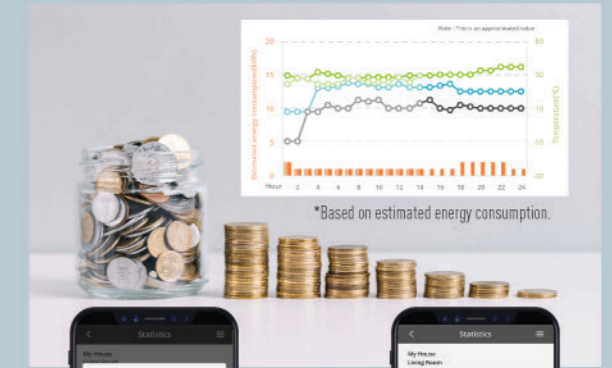
## SMART EFFICIENCY

### Set Timer



Schedule nanoe™ X with cooling ON or OFF and pre-cool your house for you to enjoy clean air and comfortable cooling.

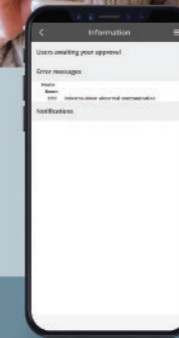
### Track Energy Consumption



View energy consumption of individual units by comparing the usage patterns daily/weekly/monthly/yearly.

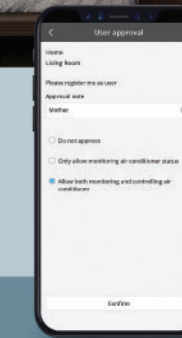
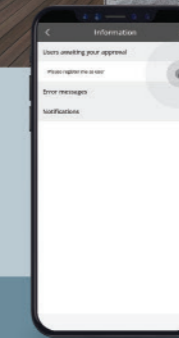
## SMART ASSIST

### Error Notifications



Identify errors by checking error notifications to inform your technician to repair your air conditioner quickly.

### User Assignment & Management



Assign user profiles to control or view selected air conditioning units.

# Panasonic Comfort Cloud App

## Main Function Overview

### 1 Group Status

### 2 Main Menu

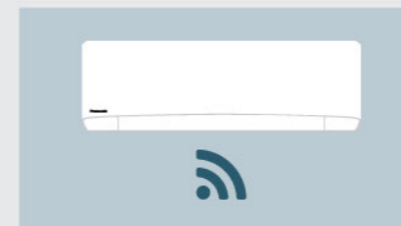
### 3 Notification

### 4 ON/OFF nanoe & ECO

### 5 Statistics

### 6 Weekly Timer

## Requirements for Connecting with Panasonic Comfort Cloud App



**Indoor Unit-Network**  
Air Conditioner equipped with built-in Wi-Fi /CZ-TACG1 optional network adaptor connected to port CN-CNT<sup>1</sup>



**Other Hardware Requirements\***  
Router - Internet - Smartphone  
(Required 2.4GHz transmission channel)

\*Purchase and subscribe separately

Compatible Device and Browsers

- iOS 9.0 or above
- Android™ 5.0 Lollipop or later

Download Free App



<sup>1</sup>For AC models (DELUXE INVERTER R410A, STANDARD INVERTER R32 and SLIM DUCTED), you need accessory CZ-TACG1 connected to port CN-CNT. Built-in Wi-Fi only available in X-PREMIUM INVERTER R32 and X-PREMIUM INVERTER R410A models.

\*Screen capture based on current Comfort Cloud app version 1.12.0



# Embrace Intelligent Living, with Voice Control

Upgrade to an effortless, yet easy control with voice control that connects with your air conditioner for a seamless and integrated experience for the whole family.

## Seamless Simple Setup

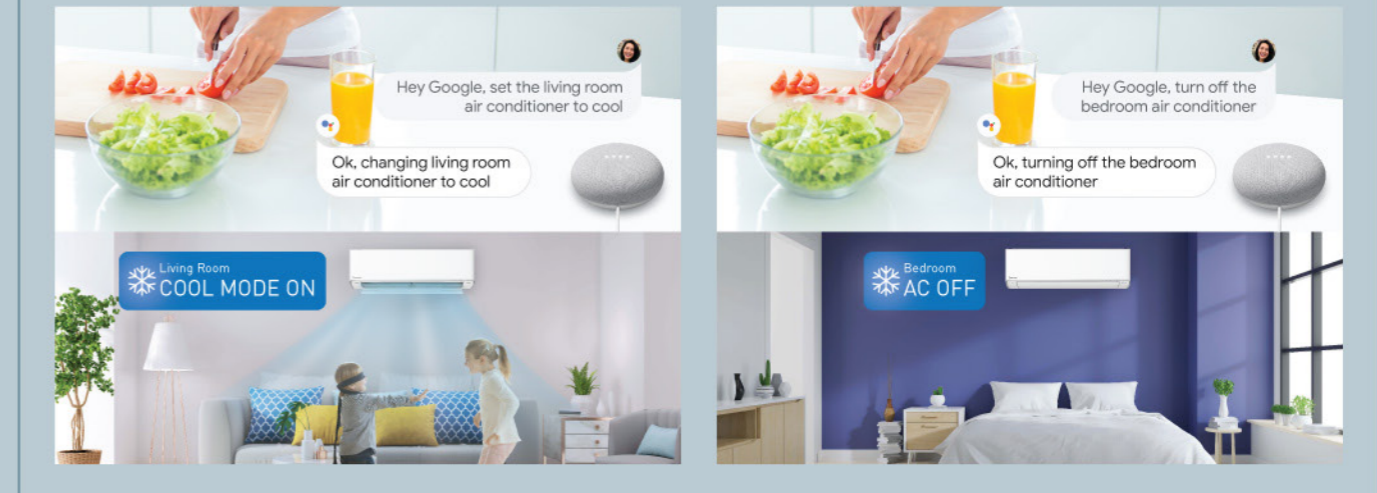
- 1 Setup your Comfort Cloud App
- 2 Setup your Nest Mini device and Google Home app
- 3 Connect your Nest Mini device with Comfort Cloud App

# Smart Voice Control

## One Device for Multiple Air Conditioners

Utilising a single device to control multiple air conditioners simultaneously, control of all your air conditioners using your voice.

### Voice Assistant Enabled Devices



## Contactless Command for Your Convenience

Control your air conditioner using just your voice, without the touch of a button.



### TURN ON/OFF AIR CONDITIONER

#### Additional help when you have a hectic day

Conveniently turn ON/OFF air conditioner when your hands are full.

### CHANGE MODE

#### Convenience Control for blissful rest

Changing air conditioner mode with ease when preparing a comfortable space for your little ones.

### ADJUST TEMPERATURE

#### Easy control for uninterrupted quality time

Adjust air conditioner temperature for your family comfort with a simple voice command.

### CHECK CURRENT STATUS

#### Hands-free convenient for the whole family

Easy access for the elderly to check current AC operation status and adjust AC setting.

### Compatible Device and Browsers

- iOS 9.0 or above
- Android™ 5.0 Lollipop or later



- For AC models (DELUXE INVERTER R410A, STANDARD INVERTER R32 and SLIM DUCTED), you need accessory CZ-TACG1 connected to port CN-CNT. Built-in Wi-Fi only available in X-PREMIUM INVERTER R32 and X-PREMIUM INVERTER R410A models.
- Google, Android, Google Nest Mini, Google Play, and Google Home are trademarks of Google LLC.
- Nest Mini requires a Wi-Fi network, a nearby electrical outlet, a compatible mobile device, and a Google Account.



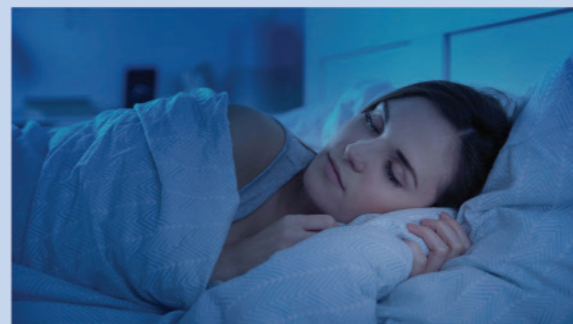
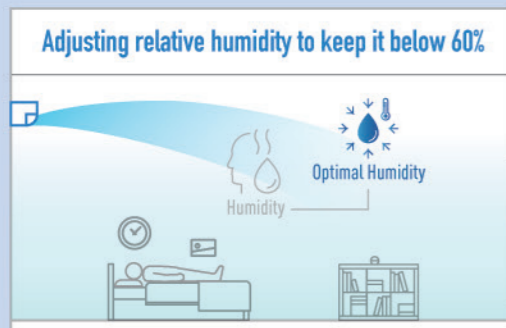
### Problems Caused by High Humidity

A high relative humidity even with a low temperature may increase the risk of heat stroke. Causing discomfort and irregular sleep cycles.



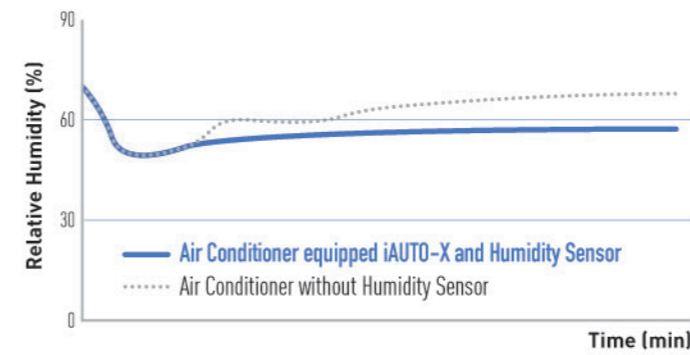
## Humidity Sensor Optimises An Ideal Sleeping Environment<sup>1</sup>

Panasonic's new iAUTO-X with the Humidity Sensor constantly monitors and adjusts relative humidity levels to below 60% for an optimal sleeping environment, so you can enjoy better sleep with comfortable cooling.



## How Humidity Control Works

The new iAUTO-X with the Humidity Sensor constantly monitors and adjusts relative humidity to below 60% according to different environments with the set temperature that ensures a balanced cooling sensation throughout by reducing heat for optimal cooling.



\* Comparison of iAUTO-X Mode & normal COOL mode by using 1.5HP X-PREMIUM INVERTER Model

**iAUTO-X Mode:**  
 iAUTO-X Mode, Outside temperature : 35°C/24°C  
 Remote setting temperature : 25°C, with Fan Speed: Auto  
 Horizontal Airflow direction : Auto  
 Vertical Airflow direction : Straight

**Normal Cool Mode:**  
 Cool Mode, Outside temperature : 35°C/24°C  
 Remote setting temperature : 25°C, with Fan Speed: High  
 Horizontal Airflow direction : Middle  
 Vertical Airflow direction : Straight

Average Room RH is measured every 1 hour up to 4th hour (under stable condition).  
 At Panasonic Amenity Room [size:16.6m<sup>2</sup>]  
 The effect differs according to conditions in installation and usage.



Without the humidity sensor, relative humidity increases in the room during stable operation causing uncomfortable sleeping environments.

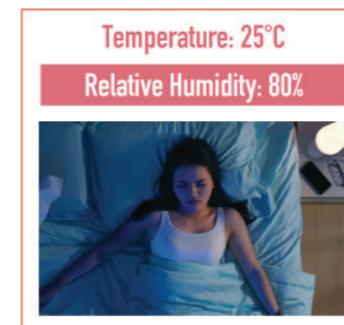


The humidity sensor automatically controls relative humidity below 60% to remain stable and comfortable during bedtime.

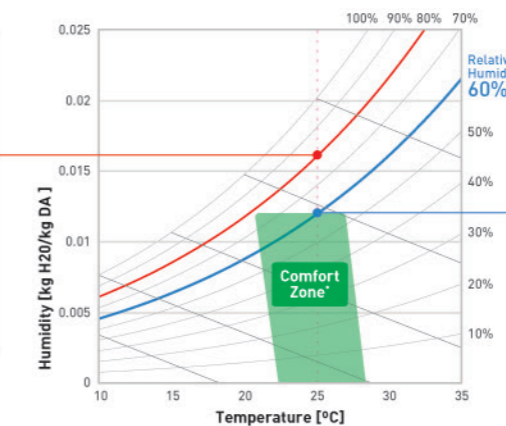
## Balancing Temperature and Humidity for Comfort

With lower humidity at the same temperature, the room will feel more comfortable and cooler compared to higher humidity.

### Comfort Zone Based on Temperature vs Humidity



At set temperature of 25°C, the room feels uncomfortable in high humidity.



Comfort zone defined by ASHRAE STANDARD.  
 \*ANSI/ASHRAE Standard 55-2010



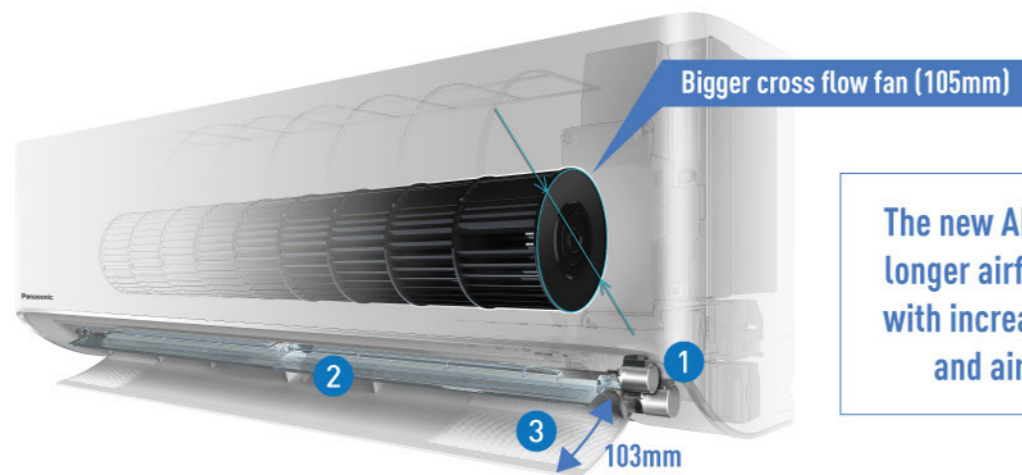
At set temperature of 25°C, the room feels more comfortable when the relative humidity is below 60%.

<sup>1</sup>Applicable to X-PREMIUM INVERTER R32 only.



# 15 Meter Long Air Distance with The Improved New AEROWINGS<sup>1</sup>

Evolving to provide fast and cooling comfort, the New AEROWINGS incorporates two independently controlled flaps to cool the room in the shortest time possible with a bigger cross flow fan (105mm) and flap (103mm), improving the ability to lift air speed efficiently.



The new AEROWINGS provides longer airflow up to 15 meters with increased airflow by 10% and air speed by 20%<sup>2</sup>.

**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 (103mm)**  
Helps to deliver airflow further.

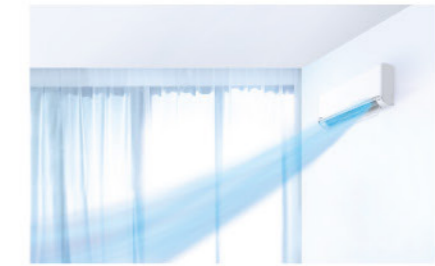
<sup>1</sup>Applicable to X-PREMIUM INVERTER R32 and X-PREMIUM INVERTER R410A only. <sup>2</sup> Compared to previous PREMIUM model (1.5HP)

## NEW AEROWINGS



### Shower Cooling

Shower airflow spreads fast, cool and concentrated air across room and to the wall, then showers down gently.



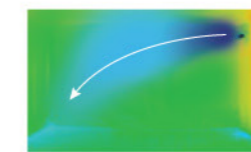
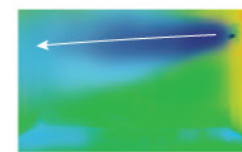
### Fast Cooling

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

### Shower Cooling Airflow Assessment

#### New AEROWINGS

#### Previous AEROWINGS



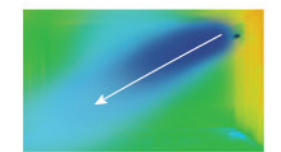
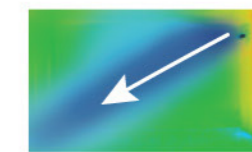
cooler ← warmer

The New AEROWINGS provides stronger and cooler air further up to 15 meters and directs airflow more upwards towards the ceiling to avoid direct and over cooling.

### Fast Cooling Airflow Assessment

#### New AEROWINGS

#### Previous AEROWINGS



cooler ← warmer

The New AEROWINGS directs concentrated airflow downwards for instant cooling. The room is cooled faster with stronger and cooler air.

## Efficient Airflow with Location Information Setting

Store and set the location of your installed air conditioner unit using the remote controller. Based on location information, airflow will be automatically optimised, sending airflow to the centre of the room. This gives more flexible installation options and efficient cooling enjoyment to its full potential with location information setting.

### With location information

Air flows at the centre to cool evenly.



### Without location information

Air flows unevenly, reducing cooling efficiency.

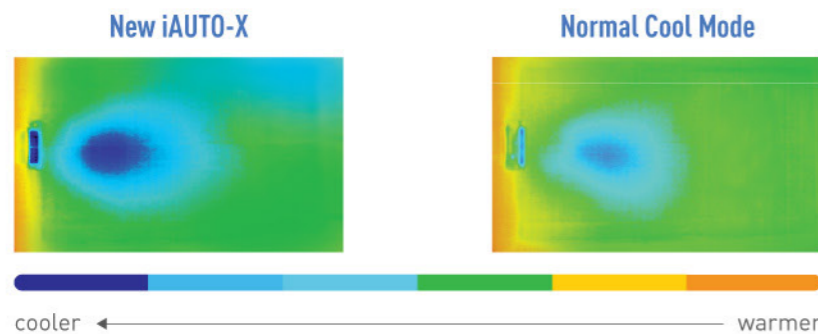
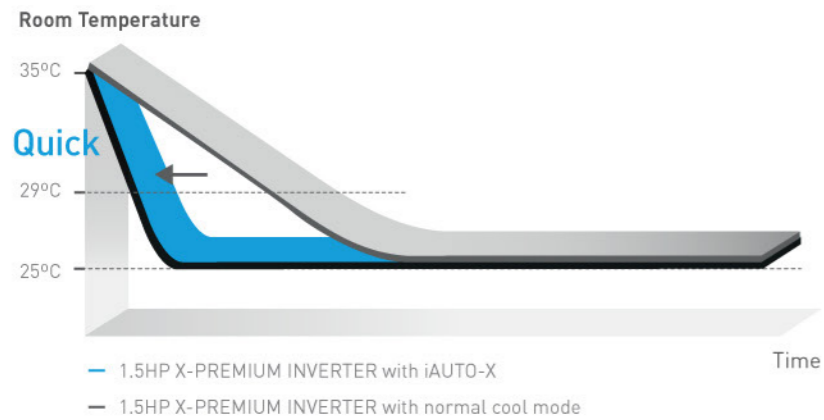




## Faster Cooling with iAUTO-X<sup>1</sup>

iAUTO-X provides strong faster cooling through the use of Panasonic Thermal Enhancement Technology (P-TECH) enabling the compressor to achieve maximum frequency quickly from start-up.

With the new iAUTO-X function, you can reactivate iAUTO-X for faster cooling even after reaching stable temperatures.



Concentrated airflow cools instantly. Room is evenly cooled.

Cool air blows downwards and cools the room at a slow pace, resulting in uneven cooling.

**25%\***  
COOLER  
FASTER

\* Comparison of iAUTO-X Mode & normal COOL mode by using 1.5HP X-PREMIUM INVERTER Model

**iAUTO-X Mode:**  
iAUTO-X Mode, Outside temperature : 35°C/24°C  
Remote setting temperature : 25°C, with Fan Speed: Auto  
Horizontal Airflow direction : Auto  
Vertical Airflow direction : Straight

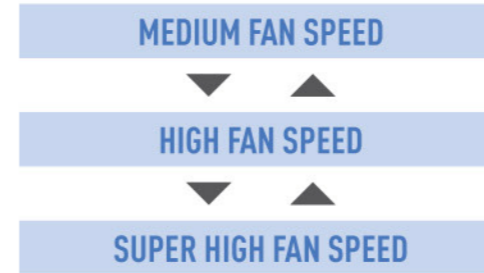
**Normal Mode:**  
Cool Mode, Outside temperature : 35°C/24°C  
Remote setting temperature : 25°C, with Fan Speed: High  
Horizontal Airflow direction : Middle  
Vertical Airflow direction : Straight

Total time needed to cool down the room from 35°C to 29°C is measured.  
At Panasonic Amenity Room (size:16.6m<sup>2</sup>)  
The effect differs according to conditions in installation and usage.

## Uniqueness of iAUTO-X

### Automatic Fan Speed

iAUTO-X automatically switches fan speed to medium fan speed, high fan speed and super high fan speed depending on the temperature difference between the room and set



### Flap Movement

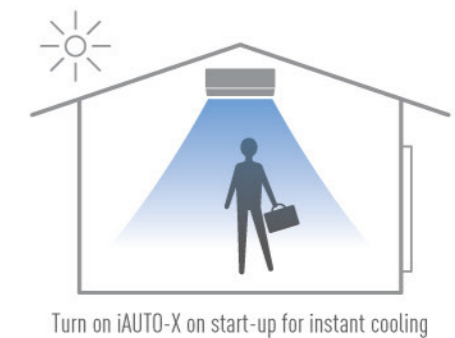
After reaching the set temperature, the flap moves upwards automatically to perform shower cooling for an even cooling sensation at the set temperature avoiding direct cooling towards the body.



### Reactivate iAUTO-X



Reactivate faster cooling with a second press of the iAUTO-X button!



<sup>1</sup>Applicable to X-PREMIUM INVERTER R32 only.



## Better Living, Together with Eco-Friendly Technologies

Panasonic's Air Efficiency provides a sustainable living environment with technologies that reduce carbon emissions into the Earth's atmosphere whilst saving costs on the use of electricity, providing an eco-friendly solution for you and the environment.

Enjoy intelligent cooling with eco-friendly features such as reduced power usage, adjusted cooling power and efficient energy usage for better savings and energy consumption that's good for both you and the environment, altogether.

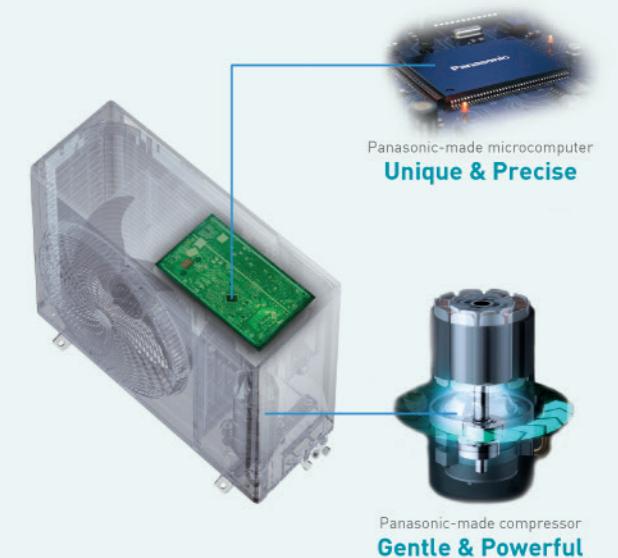
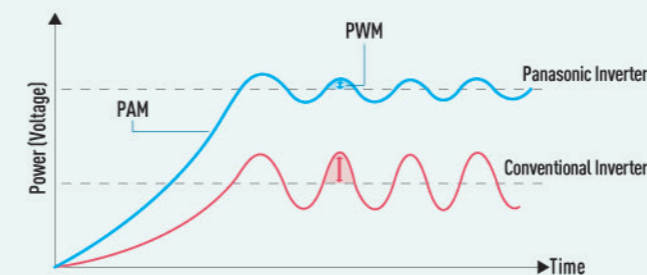


## Powerful Performance with Efficiency

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.

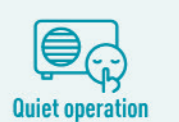
### Quick Cooling and Constant Comfort

PAM (Pulse Amplitude Modulation) increases the power output to accelerate compressor speed at start up for quick cooling and PWM (Pulse Width Modulated Wave) stabilises the set temperature without wasting energy, offering constant comfort.



### Benefits of Inverter Technology

The energy-saving abilities of Inverters provide a host of benefits for your comfort, including fast cooling upon start-up, constantly maintaining a set temperature, a wider power output range and reduced noise levels.



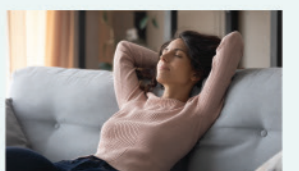
### Reasons to Choose Panasonic Inverter Air-Conditioner



**Save on Your Electricity Bill**  
Panasonic inverter air conditioner prevents overcooling or overheating regardless of room size or condition.



**Stay Cool Throughout the Day**  
A wide power output range for inverter air conditioner models provides a balanced comfort regardless of temperature fluctuations caused by the occupancy level or heat-generating appliances.



**Cut Down on Waiting Time**  
With powerful and quick start-up, you no longer have to wait to experience refreshing comfort.



Learn more about Inverter Technology at <https://www.panasonic.com/sg/consumer/air-conditioners-learn/features-explanation/inverter-technology.html>



## An Environmentally-Friendly Refrigerant

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

- R32 has **higher cooling capacity** thereby increases heat transfer efficiency.
- It consumes **less energy**, helping you to save on electricity costs.
- R32 has **zero impact** on the ozone layer, therefore it's environmental friendly.

### Refrigerant Properties of R32, R410A and R22

	R32	R410A	R22
Composition	Single Component	2 Components	Single Component
Chemical Formula	CH <sub>2</sub> F <sub>2</sub>	CH <sub>2</sub> F <sub>2</sub> / CHF <sub>2</sub> CF <sub>3</sub>	CHClF <sub>2</sub>
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



## Intelligently Balances Energy Savings and Comfort

As each room in your home is different, ECO Mode with Artificial Intelligence (A.I.) Control efficiently cools your room based on the amount of heat load and air conditioning capacity. It finds the perfect ECO balance between power consumption and time taken to reach the desired temperature to maintain your comfort with minimal energy waste.

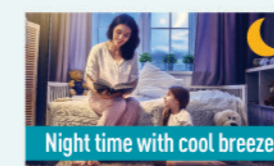
ECO Mode with A.I. Control will automatically learn and judge what is the optimal ECO level based on:

- 1 **Room condition**
- 2 **Heat Source can be due to:**  
(A) Sunlight and lighting in the room  
(B) Computers and appliances  
(C) Body heat

### When Your Air Conditioner is Switched On



- Requires Fast Cooling  
ECO Mode with A.I. prioritises on maximising cooling comfort while saving energy through ECO Mode.



- Does not require Fast Cooling  
ECO Mode with A.I. prioritises on maximising energy savings over cooling comfort.

### After Reaching Set Temperature



- Consistent comfort day or night
- Saves energy after reaching set temperature  
ECO Mode with A.I. continues to save energy and automatically adjusts room temperature for consistent cooling comfort

### How to switch on ECO Mode with A.I. Control

- Press **ECO** to switch ON ECO mode.
- Press **ECO** second time to cancel/switch OFF ECO mode.



\*Comparison of ECO Mode & normal mode by using 1.5HP Inverter Model

**ECO Mode:**  
ECO Mode, Outside temperature : 35°C/24°C  
Remote setting temperature : 25°C, with Fan Speed: High.  
Horizontal Airflow direction : Middle  
Vertical Airflow direction : Straight

**Normal Mode:**  
Normal Mode, Outside temperature : 35°C/24°C  
Remote setting temperature : 25°C, with Fan Speed: High.  
Horizontal Airflow direction : Middle  
Vertical Airflow direction : Straight

Total power consumption amount is measured for 1 hour under stable operation.  
At Panasonic Amenity Room (size : 13.3m<sup>2</sup>)  
The effect differs according to conditions in installation and usage

\* Applicable to X-PREMIUM INVERTER R32 and STANDARD INVERTER R32.





# Fits Perfectly Anywhere

Panasonic air conditioners are designed to be compact in size, minimalist with matt finishing, enabling them to be easily fitted and seamlessly harmonized with any interior. Its uniquely designed structure enhances durability, yet conveniently eases installation and maintenance routines.

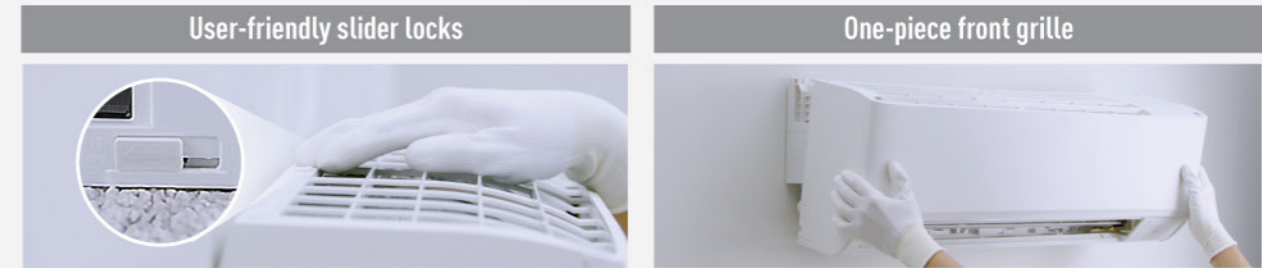
The Good Design Award 2020 has recognised its achievement of balancing product design and function for the benefit of the global community<sup>1</sup>.



<sup>1</sup>The Good Design Award 2020 applicable to STANDARD INVERTER R32 (1.0HP - 2.0HP).

## Easy Breezy Installation & Servicing<sup>2</sup>

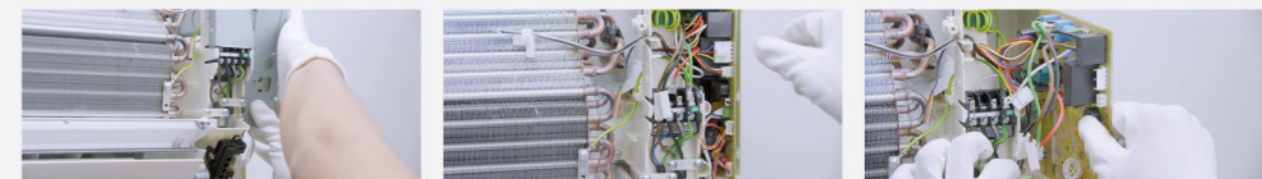
### EASY REMOVAL



Easy to lock & unlock the front grille.

Makes installation & servicing easier when dismantling or assembling.

### Simple steps for circuit board (PCB) removal



Remove control board cover.

Disconnect all the connectors.

Pull out main PCB, screw-free design makes it easy to remove PCB.

### EASY ACCESS



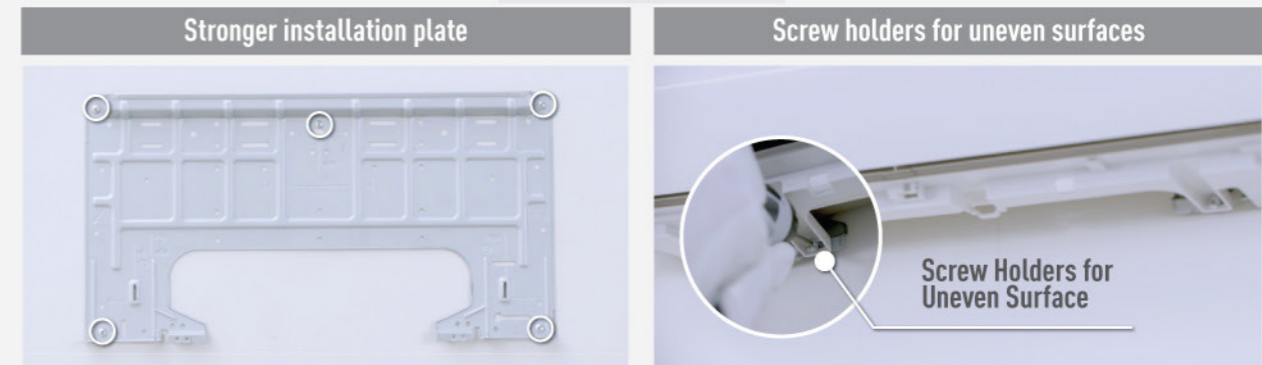
Built-in support holder makes it easy to securely hold the indoor unit against the wall.

180mm bigger piping space improves work efficiency during installation and servicing.

More open working spaces provide easy view and unobstructed access to setup drain hose and piping.

Single wire insert tunnel with wider opening provides front visibility plus easy wire insertion and connection.

### NEAT INSTALLATION

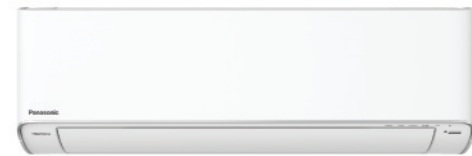


Stronger & more solid installation plate which provides more stability to better support indoor units.

Ensures indoor units fit well on the wall without any gaps.

<sup>2</sup>Easy installation and servicing model applicable to X-PREMIUM INVERTER R32, STANDARD INVERTER R32 and X-PREMIUM INVERTER R410A.

**WALL-MOUNTED** X-PREMIUM **INVERTER** R32 Single-Split Type



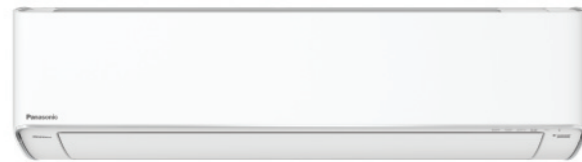
CS-XU9XKZW | CS-XU12XKZW



Wireless (Standard)



Wired CZ-RD514C (Optional)



CS-XU18XKZW | CS-XU24XKZW | CS-XU28XKZW



Wireless (Standard)



Wired CZ-RD514C (Optional)



MODEL	INDOOR UNIT (50Hz)		CS-XU9XKZW	CS-XU12XKZW	CS-XU18XKZW	CS-XU24XKZW	CS-XU28XKZW
	OUTDOOR UNIT		CU-XU9XKZ	CU-XU12XKZ	CU-XU18XKZ	CU-XU24XKZ	CU-XU28XKZ
Cooling Capacity	[min-max]	kW	2.70 [0.98-3.60]	3.70 [1.02-4.50]	5.00 [1.10-6.21]	6.10 [1.12-7.18]	7.10 [1.25-8.50]
	[min-max]	Btu/h	9,210 [3,340-12,300]	12,600 [3,480-15,300]	17,100 [3,750-21,200]	20,800 [3,820-24,500]	24,200 [4,260-29,000]
COP	[min-max]	W/W	5.19 [5.30-4.00]	4.46 [4.64-3.75]	4.35 [4.40-3.65]	4.01 [4.48-3.68]	3.50 [3.57-3.15]
EER	[min-max]	Btu/hW	17.71 [18.05-13.67]	15.18 [15.82-12.75]	14.87 [15.00-12.47]	13.68 [15.28-12.56]	11.92 [12.17-10.74]
Weighted COP		W/W	5.80	5.67	5.69	5.19	4.43
Electrical Data	Voltage	V	220-240	220-240	220-240	220-240	220-240
	Current	A	2.6-2.4	3.9-3.7	5.5-5.1	7.1-6.6	9.5 - 8.7
	Power Input [min-max]	W	520 [185-900]	830 [220-1,200]	1,150 [250-1,700]	1,520 [250-1,950]	2,030 [350-2,700]
Moisture Removal		L/h	1.6	2.2	2.8	3.4	4.1
		Pt/h	3.4	4.6	5.9	7.2	8.7
Air Circulation	Indoor	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.8 [415]	12.5 [440]	18.7 [660]	20.8 [735]	20.8 [735]
	Outdoor	m <sup>3</sup> /min (ft <sup>3</sup> /min)	32.0 [1,130]	32.0 [1,130]	34.9 [1,230]	46.3 [1,635]	46.3 [1,635]
Noise Level (220V-240V)	Indoor [H / L / Q-Lo]	dB [A]	42/26/19	43/26/19	44/32/27	47/37/28	47/37/34
	Outdoor [H]	dB [A]	47	49	50	51	53
Dimensions Indoor (Outdoor)	Height	mm	295 [542]	295 [542]	295 [619]	295 [695]	295 [695]
		inch	11-5/8 [21-11/32]	11-5/8 [21-11/32]	11-5/8 [24-3/8]	11-5/8 [27-3/8]	11-5/8 [27-3/8]
	Width	mm	870 [780]	870 [780]	1,040 [824]	1,040 [875]	1,040 [875]
		inch	34-9/32 [30-23/32]	34-9/32 [30-23/32]	40-31/32 [32-15/32]	40-31/32 [34-15/32]	42-31/32 [34-15/32]
	Depth	mm	229 [289]	229 [289]	244 [299]	244 [320]	244 [320]
		inch	9-1/32 [11-13/32]	9-1/32 [11-13/32]	9-5/8 [11-25/32]	9-5/8 [12-5/8]	9-5/8 [12-5/8]
Net Weight	Indoor	kg (lb)	10 [22]	10 [22]	12 [26]	14 [31]	14 [31]
	Outdoor	kg (lb)	27 [60]	27 [60]	30 [66]	39 [86]	48 [106]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70	ø 12.70	ø 15.88
		inch	3/8	3/8	1/2	1/2	5/8
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0	10.0
	Maximum Pipe Length	m	20	20	30	30	30
	Maximum Elevation Length	m	15	15	20	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	15	25
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	

\*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

FEATURES



EASY-TO-USE REMOTE CONTROLLER

Panasonic's wireless remote controller feature a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.



Wireless  
Applicable to X-PREMIUM  
INVERTER R32

- LCD display for an easy overview of the operation status.
- Power button.
- Switch on nanoe™ mode to activate nanoe™ X and nanoe-G for air purification and deodorisation even when the air conditioner is switched off.
- iAUTO-X cools your home with fast cooling together with Shower Cooling which avoids direct cooling while providing continuous comfort. Reactive faster cooling during stable temperature with second press of the iAUTO-X button.
- Press up or down to set the temperature.
- Toggles between iAUTO-X, COOL and DRY setting mode.
- Set the airflow direction.
- Adjusts the FAN SPEED or QUIET mode so you can sleep comfortably at night.
- Delays off timer with temperature control for better sleep.
- Switch on the ECO + A.I. mode to let you enjoy the comfort cooling with minimal energy waste.
- Set 24-hour Dual ON & OFF Timer.
- Set the actual time (hour and minute).



DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

Set the actual time (hour and minute).

- Select ON or OFF Timer.
  - TIMER ON: → ① → ② → Cancel
  - TIMER OFF: → ① → ② → Cancel
- Set the time.
  - SET

OUTDOOR UNIT



**WALL-MOUNTED** DELUXE **INVERTER R410A Single-Split Type**



CS-S9TKZW | CS-S12TKZW



Wireless (Standard)



Wired CZ-RD514C (Optional)



Network Adaptor CZ-TACG1 (Optional)



CS-S18TKZW | CS-S24TKZW | CS-S28TKZ



Wireless (Standard)



Wired CZ-RD514C (Optional)



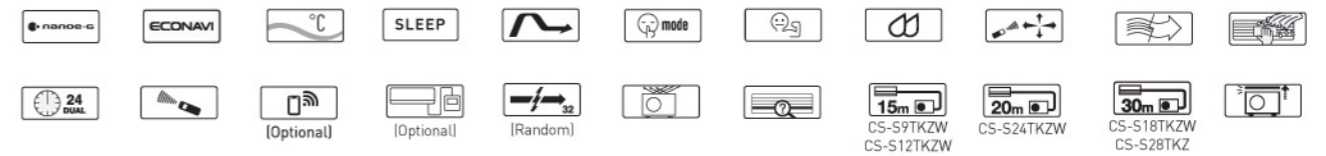
Network Adaptor CZ-TACG1 (Optional)



MODEL	INDOOR UNIT (50Hz)		CS-S9TKZW	CS-S12TKZW	CS-S18TKZW	CS-S24TKZW	CS-S28TKZ
	OUTDOOR UNIT		CU-S9TKZ	CU-S12TKZ	CU-S18TKZ	CU-S24TKZ	CU-S28TKZ
Cooling Capacity	(min-max)	kW	2.50 [0.85-3.20]	3.23 [0.92-4.00]	5.20 [1.10-6.00]	6.00 [1.12-7.10]	6.90 [1.15-8.50]
	(min-max)	Btu/h	8,530 [2,860-10,900]	11,000 [3,140-13,600]	17,700 [3,750-20,500]	20,500 [3,820-24,200]	23,500 [3,920-29,000]
COP	(min-max)	W/W	3.91 [3.73-3.68]	3.65 [3.54-3.51]	3.69 [3.79-3.59]	3.57 [3.50-3.51]	3.40 [3.29-3.15]
EER	(min-max)	Btu/hW	13.33 [12.71-12.53]	12.43 [12.08-11.93]	12.55 [12.93-12.28]	12.20 [11.94-11.98]	11.58 [11.20-10.74]
Weighted COP		W/W	4.02	4.11	4.12	4.00	3.88
Electrical Data	Voltage	V	220-240	220-240	220-240	220-240	220-240
	Current	A	3.3-3.1	4.2-3.9	6.7-6.2	7.8-7.4	9.6 - 9.0
	Power Input (min-max)	W	640 [225-870]	885 [260-1,140]	1,410 [290-1,670]	1,680 [320-2,020]	2,030 [350-2,700]
Moisture Removal		L/h	1.5	1.8	2.9	3.3	3.9
		Pt/h	3.2	3.8	6.1	7.0	8.2
Air Circulation	Indoor	m <sup>3</sup> /min (ft <sup>3</sup> /min)	9.9 [350]	10.7 [380]	19.3 [680]	20.3 [715]	21.2 [750]
	Outdoor	m <sup>3</sup> /min (ft <sup>3</sup> /min)	21.6 [760]-24.9 [880]	31.0 [1,095]-31.6 [1,115]	35.0 [1,235]-36.2 [1,280]	47.0 [1,660]-47.0 [1,660]	48.6 [1,715]-51.9 [1,830]
Noise Level (220V-240V)	Indoor (H / L / Q-Lo)	dB (A)	39/28/23	38/28/25	45/36/33	46/37/34	47/37/34
	Outdoor (H)	dB (A)	46-47	47-48	49-50	49-50	52-53
Dimensions Indoor (Outdoor)	Height	mm	295 [511]	295 [542]	302 [619]	302 [695]	302 [795]
		inch	11-5/8 [20-1/8]	11-5/8 [21-11/32]	11-29/32 [24-3/8]	11-29/32 [27-3/8]	11-29/32 [31-5/16]
	Width	mm	919 [650]	919 [780]	1,120 [824]	1,120 [875]	1,120 [875]
		inch	36-3/16 [25-19/32]	36-3/16 [30-23/32]	44-1/8 [32-15/32]	44-1/8 [34-15/32]	44-1/8 [34-15/32]
	Depth	mm	199 [230]	199 [289]	241 [299]	241 [320]	241 [320]
		inch	7-27/32 [9-1/16]	7-27/32 [11-13/32]	9-1/2 [11-25/32]	9-1/2 [12-5/8]	9-1/2 [12-5/8]
Net Weight	Indoor	kg (lb)	9 [20]	9 [20]	12 [26]	12 [26]	12 [26]
	Outdoor	kg (lb)	21 [46]	29 [64]	36 [79]	40 [88]	62 [137]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 12.70	ø 12.70	ø 15.88	ø 15.88
		inch	3/8	1/2	1/2	5/8	5/8
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0	10.0
	Maximum Pipe Length	m	15	15	30	20	30
	Maximum Elevation Length	m	5	5	20	15	20
	Additional Refrigerant Gas*	g/m	15	15	15	20	30
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	

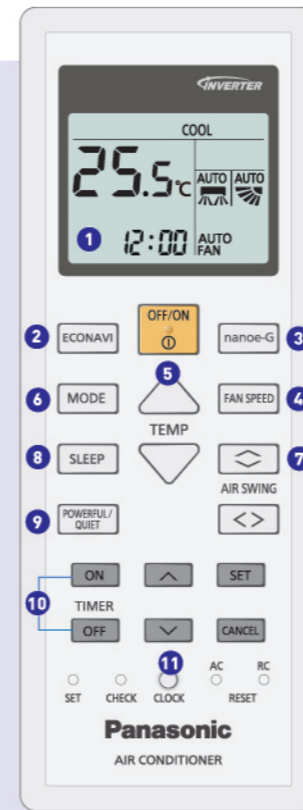
\*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

**FEATURES**



**EASY-TO-USE REMOTE CONTROLLER**

Panasonic's wireless remote controller features a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.



- LCD display for an easy overview of the operation status.
- ECONAVI monitors sunlight intensity, human movement, activity levels and human absence to detect and reduce energy waste.
- Activates the nanoe-G function even when the air conditioner is switched off.
- Adjusts the fan speed.
- Press up or down to set the temperature.
- Toggles between AUTO, COOL and DRY setting mode.
- Set the airflow direction.
- Delays off timer with temperature control for better sleep.
- Stronger airflow to cool the room more quickly/ Quiet function allows you to sleep comfortably at night.
- Set 24-hour Dual ON & OFF Timer.
- Set the actual time (hour and minute).

**Wireless**

Applicable to DELUXE INVERTER R410A

**DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY**

For convenience, the dual timer repeats everyday until you cancel it.



- Select ON or OFF Timer. → ① → ② → Cancel → ① → ② → Cancel
- Set the time.

**OUTDOOR UNIT**



**WALL-MOUNTED** STANDARD **INVERTER R32 Single - Split Type**



CS-PU9WKZ | CS-PU12WKZ | CS-PU18WKZ



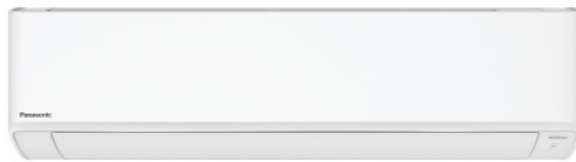
Wireless (Standard)



Wired CZ-RD514C (Optional)



Network Adaptor CZ-TACG1 (Optional)



CS-PU24XKZ



Wireless (Standard)



Wired CZ-RD514C (Optional)



Network Adaptor CZ-TACG1 (Optional)

**BIG FLAP**  
[CS-PU9/12/18WKZ]

**AEROWINGS**  
[CS-PU24XKZ]

**POWERFUL**

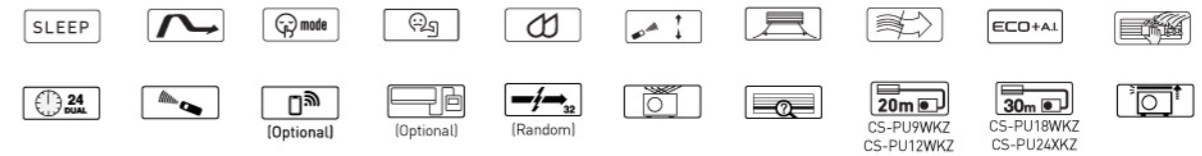
**INVERTER**

**ECO+AI.**

MODEL	INDOOR UNIT [50Hz]		CS-PU9WKZ	CS-PU12WKZ	CS-PU18WKZ	CS-PU24XKZ
	OUTDOOR UNIT		CU-PU9WKZ	CU-PU12WKZ	CU-PU18WKZ	CU-PU24XKZ
Cooling Capacity	[min-max]	kW	2.60 [0.84-3.20]	3.50 [1.02-4.00]	5.20 [1.10-5.80]	6.10 [1.12-7.18]
	[min-max]	Btu/h	8,870 [2,860-10,900]	11,900 [3,480-13,600]	17,700 [3,750-19,800]	20,800 [3,820-24,500]
COP	[min-max]	W/W	3.42 [3.73-3.20]	3.57 [3.71-3.25]	3.61 [3.79-3.60]	3.70 [4.48-3.50]
EER	[min-max]	Btu/hW	11.67 [12.71-10.90]	12.14 [12.65-11.06]	12.29 [12.93-12.30]	12.61 [15.28-11.95]
Weighted COP		W/W	4.06	4.30	4.46	4.95
Electrical Data	Voltage	V	220-240	220-240	220-240	220-240
	Current	A	3.6-3.3	4.5-4.2	6.7-6.2	7.7-7.1
	Power Input [min-max]	W	760 [225-1,000]	980 [275-1,230]	1,440 [290-1,610]	1,650 [250-2,050]
Moisture Removal		L/h	1.6	2.0	2.9	3.4
		Pt/h	3.4	4.2	6.1	7.2
Air Circulation	Indoor	m <sup>2</sup> /min [ft <sup>2</sup> /min]	10.0 [355]	11.3 [400]	12.6 [445]	19.2 [680]
	Outdoor	m <sup>2</sup> /min [ft <sup>2</sup> /min]	26.7 [940]-28.3 [1,000]	30.6 [1,080]-30.6 [1,080]	34.9 [1,230]-34.9 [1,230]	34.9 [1,230]-34.9 [1,230]
Noise Level [220V-240V]	Indoor [H / L / Q-Lo]	dB [A]	36/26/21	38/28/21	45/34/28	45/36/29
	Outdoor [H]	dB [A]	47-48	48-48	50-50	51-51
Dimensions Indoor [Outdoor]	Height	mm	290 [511]	290 [542]	290 [619]	295 [619]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-7/16 [24-3/8]	11-5/8 [24-3/8]
	Width	mm	799 [650]	799 [780]	779 [824]	1,040 [824]
		inch	30-11/16 [25-19/32]	30-11/16 [30-23/32]	30-11/16 [32-15/32]	40-31/32 [32-15/32]
	Depth	mm	209 [230]	209 [289]	209 [299]	244 [299]
		inch	8-1/4 [9-1/16]	8-1/4 [11-13/32]	8-1/4 [11-25/32]	9-5/8 [11-25/32]
Net Weight	Indoor	kg [lb]	8 [18]	8 [18]	9 [20]	12 [26]
	Outdoor	kg [lb]	18 [40]	23 [51]	33 [73]	31 [68]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70	ø 12.70
		inch	3/8	3/8	1/2	1/2
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	15
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

\*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

**FEATURES**



**EASY-TO-USE REMOTE CONTROLLER**

Panasonic's wireless remote controller features a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.



**Wireless**  
Applicable to  
STANDARD INVERTER R32

- 1 LCD display for an easy overview of the operation status.
- 2 Toggles setting between POWERFUL mode and ECO with A.I setting mode. POWERFUL mode provides fast cooling while ECO with A.I mode provides energy saving.
- 3 Adjust the FAN SPEED or QUIET function allows you to sleep comfortably at night.
- 4 Press up or down to set the temperature.
- 5 Toggles between AUTO, COOL and DRY setting mode.
- 6 Delays off timer with temperature control for better sleep.
- 7 Set the airflow direction.
- 8 Set 24-hour Dual ON & OFF Timer.
- 9 Set the actual time (hour and minute).



**Long Airflow with Big Flap**  
Big bottom flap directs cooling and comforting air across the room for an optimal cooling sensation.



**Powerful Cooling at Start-up**  
POWERFUL Mode cools your room faster by 18%\* at the start to bring you cooling comfort instantly on a hot day.

\* Comparison of POWERFUL Cool Mode & normal cool mode by using 1.5HP Inverter Model

**OUTDOOR UNIT**



CU-PU9WKZ

CU-PU12WKZ

CU-PU18WKZ

CU-PU24XKZ

**WALL-MOUNTED** STANDARD **INVERTER R410A Single - Split Type**



CS-PS9UKZ | CS-PS12UKZ



Wireless (Standard)



Wired CZ-RD514C (Optional)



CS-PS18UKZ | CS-PS24UKZ



Wireless (Standard)



Wired CZ-RD514C (Optional)

BIG FLAP

POWERFUL

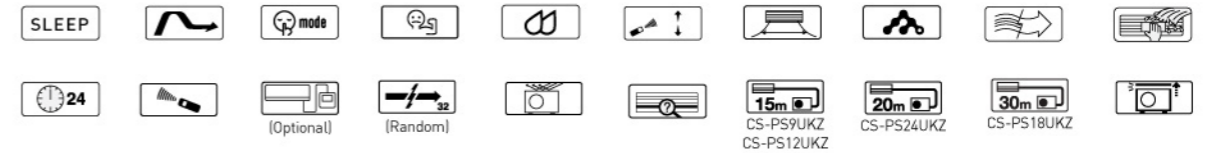
INVERTER

ANTI-BACTERIAL FILTER

MODEL	INDOOR UNIT [50Hz]		CS-PS9UKZ	CS-PS12UKZ	CS-PS18UKZ	CS-PS24UKZ
	OUTDOOR UNIT		CU-PS9UKZ	CU-PS12UKZ	CU-PS18UKZ	CU-PS24UKZ
Cooling Capacity	[min-max]	kW	2.50 [0.84-3.20]	3.10 [0.92-4.00]	5.20 [1.10-5.75]	6.00 [1.12-7.00]
	[min-max]	Btu/h	8,530 [2,860-10,900]	10,600 [3,140-13,600]	17,700 [3,750-19,600]	20,500 [3,820-23,900]
COP	[min-max]	W/W	3.52 [3.73-3.48]	3.52 [3.54-3.42]	3.54 [3.79-3.53]	3.49 [3.50-3.43]
EER	[min-max]	Btu/hW	12.01 [12.71-11.85]	12.05 [12.08-11.62]	12.04 [12.93-12.02]	11.92 [11.94-11.72]
Weighted COP	W/W		3.98	4.13	4.35	4.22
	W/W		3.98	4.13	4.35	4.22
Electrical Data	Voltage	V	220-240	220-240	220-240	220-240
	Current	A	3.5-3.3	4.1-3.8	7.1-6.6	8.0-7.4
	Power Input [min-max]	W	710 [225-920]	880 [260-1,170]	1,470 [290-1,630]	1,720 [320-2,040]
Moisture Removal		L/h	1.5	1.8	2.9	3.3
		Pt/h	3.2	3.8	6.1	7.0
Air Circulation	Indoor	m <sup>2</sup> /min [ft <sup>2</sup> /min]	9.7 [340]	10.4 [365]	19.7 [695]	20.3 [715]
	Outdoor	m <sup>2</sup> /min [ft <sup>2</sup> /min]	26.5 [935]-28.1 [990]	31.0 [1,095]-31.6 [1,115]	35.0 [1,235]-36.2 [1,280]	47.0 [1,660]-47.0 [1,660]
Noise Level [220V-240V]	Indoor [H / L / Q-Lo]	dB [A]	36/26/23	38/28/25	45/36/33	46/37/34
	Outdoor [H]	dB [A]	46-47	47-48	49-50	49-50
Dimensions Indoor [Outdoor]	Height	mm	290 [511]	290 [542]	302 [619]	302 [695]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-29/32 [24-3/8]	11-29/32 [27-3/8]
	Width	mm	799 [650]	799 [780]	1,102 [824]	1,102 [875]
		inch	31-15/32 [25-19/32]	31-15/32 [30-23/32]	43-13/32 [32-15/32]	43-13/32 [34-15/32]
	Depth	mm	197 [230]	197 [289]	244 [299]	244 [320]
		inch	7-25/32 [9-1/16]	7-25/32 [11-13/32]	9-5/8 [11-25/32]	9-5/8 [12-5/8]
Net Weight	Indoor	kg [lb]	8 [18]	9 [20]	12 [26]	12 [26]
	Outdoor	kg [lb]	20 [44]	29 [64]	33 [73]	40 [88]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 12.70	ø 12.70	ø 15.88
		inch	3/8	1/2	1/2	5/8
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0
	Maximum Pipe Length	m	15	15	30	20
	Maximum Elevation Length	m	5	5	20	15
	Additional Refrigerant Gas*	g/m	15	15	15	20
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

\*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

FEATURES



EASY-TO-USE REMOTE CONTROLLER

Panasonic's wireless remote controller features a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.



Wireless

Applicable to STANDARD INVERTER R410A

- 1 LCD display for an easy overview of the operation status.
- 2 Pressing the Powerful button cools 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.
- 3 Quiet function allows you to sleep comfortably at night.
- 4 Adjust the fan speed.
- 5 Press up or down to set the temperature.
- 6 Toggles between AUTO, COOL and DRY setting mode.
- 7 Set the airflow direction.
- 8 Delays off timer with temperature control for better sleep.
- 9 Set 24-hour ON & OFF Timer.
- 10 Set the actual time (hour and minute).



**Long Airflow with Big Flap**  
Big bottom flap directs cooling and comforting air across the room for an optimal cooling sensation.



**Powerful Cooling at Start-up**  
POWERFUL Mode cools your room faster at the start to bring you cooling comfort instantly on a hot day.

OUTDOOR UNIT





**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.

**Offer Wide Ranges in Multi-split System**

Full flexibility of multi-split range from 2.8kW to 6.0kW for 4 indoor units with one outdoor unit.

# Multi-Split Air Conditioning System

Panasonic's multi-split air 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.

## 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 4 indoor units, this provide flexible customisation according to the layout of your house.

#### Single-Split

1 Outdoor Unit Connect to 1 Indoor Unit



#### Multi Split

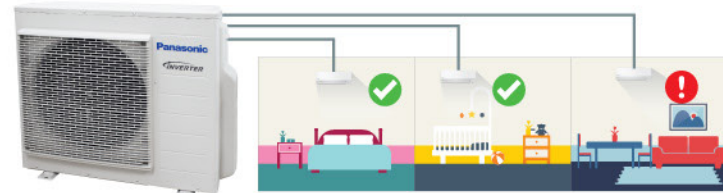
1 Outdoor Unit Connect up to 4 Indoor Units



### INDEPENDENT OPERATION CONTROL

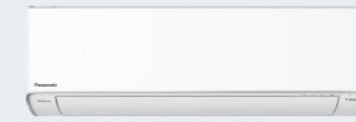
#### Outdoor Unit Connects to Each Indoor Unit Independently

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.

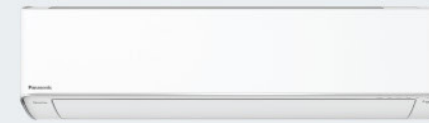


## R410A INVERTER MULTI-SPLIT

### WALL-MOUNTED X-PREMIUM INVERTER R410A



CS-MXS9XKZ | CS-MXS12XKZ



CS-MXS18XKZ | CS-MXS24XKZ



#### FEATURES



### MINI CASSETTE



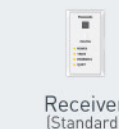
CS-S12MB4ZW | CS-S18MB4ZW | CS-S24MB4ZW



#### FEATURES



### SLIM DUCTED



CS-MS9SD3H | CS-MS12SD3H | CS-MS18SD3H | CS-MS24SD3H




#### FEATURES



# R410A INVERTER MULTI-SPLIT


## OUTDOOR

### DUAL-SPLIT MODEL

MODELS	CU-2XS20UKZ	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
2 Rooms		Port A <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or Either unit <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> Port B <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or Either unit <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span>

• It is possible to have a combination of wall-mounted models [CS-MXS9, MXS12XKZ] for the [CU-2XS20UKZ] Outdoor Unit Ports.

### TRIPLE-SPLIT MODEL

MODELS	CU-3XS27UKZ	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
3 Rooms		Port A <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span> Port B <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span> Port C <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span>

• It is possible to have a combination of wall-mounted models [CS-MXS9, MXS12, MXS18XKZ] for the [CU-3XS27UKZ] Outdoor Unit Ports.

### QUADRUPLE-SPLIT MODEL

MODELS	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
4 Rooms	Port A <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span> or <span style="background-color: #00A651; color: white; padding: 2px;">6.0</span> Port B <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span> or <span style="background-color: #00A651; color: white; padding: 2px;">6.0</span> Port C <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span> or <span style="background-color: #00A651; color: white; padding: 2px;">6.0</span> Port D <span style="background-color: #0070C0; color: white; padding: 2px;">2.8</span> or <span style="background-color: #0070C0; color: white; padding: 2px;">3.2</span> or <span style="background-color: #00A651; color: white; padding: 2px;">5.0</span> or <span style="background-color: #00A651; color: white; padding: 2px;">6.0</span>

• It is possible to have a combination of wall-mounted models [CS-MXS9, MXS12, MXS18, MXS24XKZ], mini cassette models [CS-S12, S18, S24MB4ZW] and slim ducted models [CS-MS9, MS12, MS18, MS24SD3H] for the [CU-4XS30UBZ, 4XS34UBZ] Outdoor Unit Ports.

## INDOOR

### X-PREMIUM INVERTER R410A SPECIFICATIONS

MODEL	[50Hz]	CS-MXS9XKZ	CS-MXS12XKZ	CS-MXS18XKZ	CS-MXS24XKZ	
Operation		1 unit	1 unit	1 unit	1 unit	
Cooling Capacity	Btu/h	9,550	10,900	17,100	20,500	
	kW	2.80	3.20	5.00	6.00	
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	
Sound Pressure Level	Indoor (H/L)	dB (A)	44 / 28	45 / 28	46 / 34	
Moisture Removal		L/h	1.6	1.8	2.7	
Air Circulation	m³/min	11.8	12.5	18.7	20.8	
	ft³/min	415	440	660	735	
Fan Output	W	40	40	40	40	
	Height	mm	295	295	295	295
Dimensions	Width	mm	870	870	1,040	1,040
	Depth	mm	229	229	244	244
Net Weight	Indoor	kg	10	10	12	14
	Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 12.70
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor	

### MINI CASSETTE SPECIFICATIONS

MODEL	[50Hz]	CS-S12MB4ZW	CS-S18MB4ZW	CS-S24MB4ZW	
Operation		1 unit	1 unit	1 unit	
Cooling Capacity	Btu/h	10,900	17,100	20,500	
	kW	3.20	5.00	6.00	
Electrical Data	Voltage	V	220 - 240	220 - 240	
Sound Pressure Level	Indoor (H/L)	dB (A)	34 / 26	36 / 28	
Moisture Removal		L/h	1.8	2.7	
Air Circulation	m³/min	10.5	11.0	12.8	
	ft³/min	370	390	450	
Fan Output	W	40	40	40	
	Height	mm	260	260	260
Dimensions	Width	mm	575	575	575
	Depth	mm	575	575	575
Net Weight	Indoor	kg	18	18	18
	Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70
Power Supply		Outdoor	Outdoor	Outdoor	

### SLIM DUCTED SPECIFICATIONS

MODEL	[50Hz]	CS-MS9SD3H	CS-MS12SD3H	CS-MS18SD3H	CS-MS24SD3H
Operation		1 unit	1 unit	1 unit	1 unit
Cooling Capacity	Btu/h	9,550	10,900	17,100	20,500
	kW	2.80	3.20	5.00	6.00
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240
Sound Pressure Level	Indoor (H/L)	dB (A)	35 / 28	35 / 28	41 / 30
Moisture Removal		L/h	1.6	1.8	2.7
Air Circulation	m³/min	13.2	13.2	15.5	15.5
	ft³/min	465	465	545	545
Fan Output	W	51	51	51	51
	Height	mm	200	200	200
Dimensions	Width	mm	750	750	750
	Depth	mm	640	640	640
Net Weight	Indoor	kg	19	19	19
	Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor

# R410A INVERTER MULTI-SPLIT

## OUTDOOR

MODEL	(50Hz)	DUAL-SPLIT MODEL		TRIPLE-SPLIT MODEL		
		CU-2XS20UKZ		CU-3XS27UKZ		
Cooling Capacity	[min-max] kW	4.20 (1.50 - 6.30)		5.10 (2.40 - 8.90)		
	[min-max] Btu/h	14,300 (5,120 - 21,500)		17,400 (8,180 - 30,300)		
COP	[min-max] W/W	4.88 (6.00-3.71)		4.90 (5.45-2.99)		
EER	[min-max] Btu/hW	16.63 (20.48-12.65)		16.73 (18.59-10.17)		
Weighted COP	W/W	5.57		5.53		
Electrical Data	Voltage V	220-240		220-240		
	Current A	4.2 - 3.9		5.2 - 4.8		
	Power Input [min-max] W	860 (250 - 1,700)		1,040 (440 - 2,980)		
Sound Pressure Level	Outdoor (Hi/Lo) dB (A)	51		56		
Maximum Current	A	12		15.2		
Starting Current	A	4.2		5.2		
Compressor Output	W	900		1,300		
Fan Output	W	40		60		
Dimensions	Height mm	619		695		
	Width mm	824 (+70)		875 (+95)		
	Depth mm	299		320		
Net Weight	Outdoor kg	38		58		
Pipe Extension	Chargeless Pipe Length m	20		30		
	Maximum Pipe Length	1 Room	20		25	
		Total	30		60	
	Maximum Elevation Length m	10		15		
	Additional Refrigerant Gas* g/m	15		20		

\* When pipes are not extended from the standard pipe length, the required amount of refrigerant is already in the unit.

MODEL	(50Hz)	QUADRUPLE-SPLIT MODEL		
		CU-4XS30UBZ		
Cooling Capacity	[min-max] kW	6.20 (2.80 - 9.00)		
	[min-max] Btu/h	21,100 (9,550 - 30,700)		
COP	[min-max] W/W	4.88 (5.38-3.02)		
EER	[min-max] Btu/hW	16.61 (18.37-10.30)		
Weighted COP	W/W	5.51		
Electrical Data	Voltage V	220-240		
	Current A	6.5 - 5.9		
	Power Input [min-max] W	1,270 (520 - 2,980)		
Sound Pressure Level	Outdoor (Hi/Lo) dB (A)	56		
Maximum Current	A	15.6		
Starting Current	A	6.5		
Compressor Output	W	1,300		
Fan Output	W	60		
Dimensions	Height mm	695		
	Width mm	875 (+95)		
	Depth mm	320		
Net Weight	Outdoor kg	58		
Pipe Extension	Chargeless Pipe Length m	35		
	Maximum Pipe Length	1 Room	25	
		Total	60	
	Maximum Elevation Length m	15		
	Additional Refrigerant Gas* g/m	20		

\* When pipes are not extended from the standard pipe length, the required amount of refrigerant is already in the unit.

## INVERTER DUAL-SPLIT MODEL (CU-2XS20UKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity [kW]				Input Power [W]		Current [A] (50Hz)		Moisture Removal L/h
			A	B	Total	min - max	Rated	min - max	220V	240V	
1 Room	2.8	2.8	2.80		2.80	1.10 - 3.50	750	220 - 100	3.7	3.4	1.6
	3.2	3.2	3.20		3.20	1.10 - 4.00	920	220 - 122	4.5	4.2	1.8
2 Room	2.8 + 2.8	5.6	2.10	2.10	4.20	1.50 - 6.30	860	250 - 170	4.2	3.9	1.4 + 1.4
	2.8 + 3.2	6.0	2.05	2.35	4.40	1.50 - 6.30	900	250 - 169	4.4	4.0	1.3 + 1.5
	2.8 + 3.2	6.4	2.20	2.20	4.40	1.50 - 6.30	890	250 - 168	4.3	3.9	1.4 + 1.4

## INVERTER TRIPLE-SPLIT MODEL (CU-3XS27UKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity [kW]				Input Power [W]		Current [A] (50Hz)		Moisture Removal L/h	
			A	B	C	Total	min - max	Rated	min - max	220V		240V
1 Room	2.8	2.8	2.80			2.80	1.70 - 3.40	700	380 - 890	3.8	3.5	1.6
	3.2	3.2	3.20			3.20	1.70 - 4.00	800	380 - 1,200	4.3	3.9	1.8
	5.0	5.0	5.00			5.00	1.90 - 5.80	1,460	400 - 1,890	7.4	6.8	2.7
2 Room	2.8 + 2.8	5.6	2.55	2.55		5.10	2.00 - 7.50	1,190	420 - 2,450	5.9	5.4	1.6 + 1.6
	2.8 + 3.2	6.0	2.38	2.72		5.10	2.00 - 7.50	1,190	420 - 2,440	5.9	5.4	1.5 + 1.6
	2.8 + 5.0	7.8	1.83	3.27		5.10	2.80 - 8.90	950	390 - 3,110	4.8	4.4	1.2 + 1.9
	3.2 + 3.2	6.4	2.55	2.55		5.10	2.30 - 8.30	1,150	420 - 3,140	5.7	5.2	1.6 + 1.6
	3.2 + 5.0	8.2	1.99	3.11		5.10	2.80 - 8.90	950	390 - 3,110	4.8	4.4	1.3 + 1.8
	5.0 + 5.0	10.0	2.55	2.55		5.10	3.00 - 9.30	880	380 - 3,110	4.5	4.1	1.6 + 1.6
3 Room	2.8 + 2.8 + 2.8	8.4	1.70	1.70	1.70	5.10	2.40 - 8.90	1,040	440 - 2,980	5.2	4.8	1.1 + 1.1 + 1.1
	2.8 + 2.8 + 3.2	8.8	1.62	1.62	1.86	5.10	2.40 - 8.90	1,030	450 - 2,930	5.2	4.7	1.0 + 1.0 + 1.2
	2.8 + 2.8 + 5.0	10.6	1.35	1.35	2.40	5.10	2.80 - 9.50	930	460 - 2,910	4.7	4.3	0.9 + 0.9 + 1.5
	2.8 + 3.2 + 3.2	9.2	1.56	1.77	1.77	5.10	2.40 - 8.90	1,030	450 - 2,930	5.2	4.7	1.0 + 1.1 + 1.1
	2.8 + 3.2 + 5.0	11.0	1.30	1.48	2.32	5.10	2.80 - 9.40	930	460 - 2,800	4.7	4.3	0.8 + 0.9 + 1.5
	2.8 + 5.0 + 5.0	12.8	1.12	1.99	1.99	5.10	2.80 - 9.70	850	390 - 2,720	4.4	4.0	0.7 + 1.3 + 1.3
	3.2 + 3.2 + 3.2	9.6	1.70	1.70	1.70	5.10	2.50 - 8.90	1,030	450 - 2,940	5.2	4.7	1.1 + 1.1 + 1.1
	3.2 + 3.2 + 5.0	11.4	1.43	1.43	2.24	5.10	2.80 - 9.40	930	460 - 2,800	4.7	4.3	0.9 + 0.9 + 1.5
	3.2 + 5.0 + 5.0	13.2	1.24	1.93	1.93	5.10	2.80 - 9.70	840	390 - 2,720	4.3	4.0	0.8 + 1.2 + 1.2

• Specification based on JIS C 9612 standard.  
• Switchable between 8.5amp or 11amp.



# R410A INVERTER MULTI-SPLIT

## INVERTER MULTI-COMBINATION (CU-4XS30UBZ)

INDOOR UNIT COMBINATION Cooling	Total	Cooling Capacity (kW)						Input Power (W)		Current (A) [50Hz]		Moisture Removal L/h	
		A	B	C	D	Total	min - max	Rated	min - max	220V	240V		
1 Room	2.8	2.8	2.80				2.80	1.70 - 3.40	700	380 - 890	3.8	3.5	1.6
	3.2	3.2	3.20				3.20	1.70 - 4.00	800	380 - 1,200	4.3	3.9	1.8
	5.0	5.0	5.00				5.00	1.90 - 5.80	1,460	400 - 1,890	7.4	6.8	2.7
	6.0	6.0	6.00				6.00	1.70 - 6.20	1,920	400 - 2,070	9.3	8.6	3.3
2 Room	2.8+2.8	5.6	2.80	2.80			5.60	1.70 - 6.50	1,580	420 - 2,260	8.0	7.3	1.6 + 1.6
	2.8+3.2	6.0	2.80	3.20			6.00	1.70 - 6.50	1,820	420 - 2,250	9.1	8.3	1.6 + 1.8
	2.8+5.0	7.8	2.23	3.97			6.20	2.70 - 7.70	1,590	550 - 2,870	8.0	7.4	1.5 + 2.3
	2.8+6.0	8.8	1.97	4.23			6.20	2.70 - 7.70	1,590	550 - 2,870	8.0	7.4	1.3 + 2.4
	3.2+3.2	6.4	3.10	3.10			6.20	2.30 - 7.20	1,940	590 - 2,900	9.7	8.9	1.7 + 1.7
	3.2+5.0	8.2	2.42	3.78			6.20	2.80 - 7.70	1,550	550 - 2,870	7.8	7.2	1.5 + 2.2
	3.2+6.0	9.2	2.16	4.04			6.20	2.80 - 7.70	1,550	550 - 2,870	7.8	7.2	1.4 + 2.3
	5.0+5.0	10.0	3.10	3.10			6.20	2.90 - 8.10	1,430	540 - 2,870	7.2	6.6	1.7 + 1.7
	5.0+6.0	11.0	2.82	3.38			6.20	2.90 - 8.10	1,430	540 - 2,870	7.2	6.6	1.7 + 1.9
	6.0+6.0	12.0	3.10	3.10			6.20	2.90 - 8.10	1,430	540 - 2,870	7.2	6.6	1.7 + 1.7
3 Room	2.8+2.8+2.8	8.4	2.06	2.06	2.06		6.18	2.40 - 7.70	1,640	600 - 2,750	8.2	7.5	1.3 + 1.3 + 1.3
	2.8+2.8+3.2	8.8	1.97	1.97	2.26		6.20	2.40 - 7.80	1,610	600 - 2,750	8.1	7.5	1.3 + 1.3 + 1.5
	2.8+2.8+5.0	10.6	1.64	1.64	2.92		6.20	2.80 - 8.40	1,420	620 - 2,790	7.2	6.6	1.0 + 1.0 + 1.7
	2.8+2.8+6.0	11.6	1.50	1.50	3.20		6.20	2.80 - 8.40	1,420	620 - 2,790	7.2	6.6	1.0 + 1.0 + 1.8
	2.8+3.2+3.2	9.2	1.88	2.16	2.16		6.20	2.40 - 7.80	1,610	610 - 2,760	8.1	7.5	1.2 + 1.4 + 1.4
	2.8+3.2+5.0	11.0	1.58	1.80	2.82		6.20	2.80 - 8.40	1,420	620 - 2,800	7.2	6.6	1.0 + 1.2 + 1.7
	2.8+3.2+6.0	12.0	1.45	1.65	3.10		6.20	2.80 - 8.40	1,420	620 - 2,800	7.2	6.6	0.9 + 1.1 + 1.7
	2.8+5.0+5.0	12.8	1.36	2.42	2.42		6.20	2.80 - 8.50	1,290	540 - 2,570	6.6	6.0	0.9 + 1.5 + 1.5
	2.8+5.0+6.0	13.8	1.26	2.25	2.69		6.20	2.80 - 8.50	1,290	540 - 2,570	6.6	6.0	0.8 + 1.5 + 1.6
	2.8+6.0+6.0	14.8	1.18	2.51	2.51		6.20	2.80 - 8.50	1,290	540 - 2,570	6.6	6.0	0.7 + 1.5 + 1.5
	3.2+3.2+3.2	9.6	2.06	2.06	2.06		6.18	2.40 - 7.80	1,620	610 - 2,760	8.2	7.5	1.3 + 1.3 + 1.3
	3.2+3.2+5.0	11.4	1.74	1.74	2.72		6.20	2.80 - 8.40	1,420	620 - 2,800	7.2	6.6	1.1 + 1.1 + 1.6
	3.2+3.2+6.0	12.4	1.60	1.60	3.00		6.20	2.80 - 8.40	1,420	620 - 2,800	7.2	6.6	1.0 + 1.0 + 1.7
	3.2+5.0+5.0	13.2	1.50	2.35	2.35		6.20	2.80 - 8.50	1,290	540 - 2,570	6.6	6.0	1.0 + 1.5 + 1.5
	3.2+5.0+6.0	14.2	1.40	2.18	2.62		6.20	2.80 - 8.50	1,290	540 - 2,570	6.6	6.0	0.9 + 1.4 + 1.6

• Specification based on JIS C 9612 standard.  
• Switchable between 8.5amp or 11amp.

## INVERTER MULTI-COMBINATION (CU-4XS30UBZ)

INDOOR UNIT COMBINATION Cooling	Total	Cooling Capacity (kW)						Input Power (W)		Current (A) [50Hz]		Moisture Removal L/h	
		A	B	C	D	Total	min - max	Rated	min - max	220V	240V		
1 Room	2.8+2.8+2.8+2.8	11.2	1.55	1.55	1.55	1.55	6.20	2.80 - 9.00	1,270	520 - 2,980	6.5	5.9	1.0 + 1.0 + 1.0 + 1.0
	2.8+2.8+2.8+3.2	11.6	1.50	1.50	1.50	1.70	6.20	2.80 - 9.00	1,270	510 - 2,980	6.5	5.9	1.0 + 1.0 + 1.0 + 1.1
	2.8+2.8+2.8+5.0	13.4	1.30	1.30	1.30	2.30	6.20	2.40 - 9.00	1,230	320 - 2,910	6.3		0.8 + 0.8 + 0.8 + 1.5
	2.8+2.8+2.8+6.0	14.4	1.21	1.21	1.21	2.57	6.20	2.40 - 9.00	1,230	320 - 2,900	6.3	5.8	0.8 + 0.8 + 0.8 + 1.6
4 Room	2.8+2.8+3.2+3.2	12.0	1.45	1.45	1.65	1.65	6.20	2.80 - 9.00	1,270	510 - 2,980	6.5	5.9	0.9 + 0.9 + 1.1 + 1.1
	2.8+2.8+3.2+5.0	13.8	1.26	1.26	1.44	2.24	6.20	2.80 - 9.00	1,230	300 - 2,900	6.3	5.8	0.8 + 0.8 + 0.9 + 1.5
	2.8+2.8+3.2+6.0	14.8	1.17	1.17	1.35	2.51	6.20	2.30 - 9.00	1,220	300 - 2,900	6.3	5.8	0.7 + 0.7 + 0.9 + 1.5
	2.8+3.2+3.2+3.2	12.4	1.40	1.60	1.60	1.60	6.20	2.70 - 9.00	1,270	500 - 2,980	6.5	5.9	0.9 + 1.0 + 1.0 + 1.0
	2.8+3.2+3.2+5.0	14.2	1.22	1.40	1.40	2.18	6.20	2.30 - 9.00	1,220	300 - 2,900	6.3	5.8	0.8 + 0.9 + 0.9 + 1.4
	3.2+3.2+3.2+3.2	12.8	1.55	1.55	1.55	1.55	6.20	2.70 - 9.00	1,260	500 - 2,920	6.4	5.9	1.0 + 1.0 + 1.0 + 1.0
	3.2+3.2+3.2+5.0	14.6	1.36	1.36	1.36	2.12	6.20	2.30 - 9.00	1,220	300 - 2,900	6.3	5.8	0.9 + 0.9 + 0.9 + 1.4

## INVERTER MULTI-COMBINATION (CU-4XS34UBZ)

INDOOR UNIT COMBINATION Cooling	Total	Cooling Capacity (kW)						Input Power (W)		Current (A) [50Hz]		Moisture Removal L/h	
		A	B	C	D	Total	min - max	Rated	min - max	220V	240V		
1 Room	2.8	2.8	2.80				2.80	1.70 - 3.40	700	380 - 890	3.7	3.4	1.6
	3.2	3.2	3.20				3.20	1.70 - 4.00	800	380 - 1,200	4.2	3.9	1.8
	5.0	5.0	5.00				5.00	1.90 - 5.80	1,460	400 - 1,890	7.3	6.7	2.7
	6.0	6.0	6.00				6.00	1.90 - 6.20	1,920	400 - 2,070	9.3	8.6	3.3
2 Room	2.8+2.8	5.6	2.80	2.80			5.60	2.40 - 5.80	1,480	400 - 1,550	7.2	6.6	1.6 + 1.6
	2.8+3.2	6.0	2.80	3.20			6.00	2.40 - 6.70	1,650	390 - 2,050	8.0	7.4	1.6 + 1.8
	2.8+5.0	7.8	2.33	4.17			6.50	2.40 - 8.40	1,650	380 - 3,020	8.0	7.4	1.5 + 2.4
	2.8+6.0	8.8	2.07	4.43			6.50	2.50 - 8.40	1,650	410 - 3,020	8.0	7.4	1.3 + 2.5
	3.2+3.2	6.4	3.20	3.20			6.40	2.40 - 7.20	1,840	390 - 2,350	8.9	8.1	1.3 + 1.8
	3.2+5.0	8.2	2.54	3.96			6.50	2.50 - 8.60	1,650	400 - 3,090	8.0	7.4	1.6 + 2.3
	3.2+6.0	9.2	2.26	4.24			6.50	2.50 - 8.60	1,650	400 - 3,090	8.0	7.4	1.5 + 2.4
	5.0+5.0	10.0	3.25	3.25			6.50	2.50 - 7.50	1,470	430 - 1,870	7.2	6.6	1.8 + 1.8
	5.0+6.0	11.0	2.95	3.55			6.50	2.50 - 7.50	1,470	430 - 1,870	7.2	6.6	1.7 + 2.1
	6.0+6.0	12.0	3.25	3.25			6.50	2.50 - 7.50	1,470	430 - 1,870	7.2	6.6	1.8 + 1.8
3 Room	2.8+2.8+2.8	8.4	2.16	2.16	2.16		6.48	2.90 - 9.30	1,510	490 - 2,660	7.4	6.7	1.4 + 1.4 + 1.4
	2.8+2.8+3.2	8.8	2.07	2.07	2.36		6.50	2.90 - 9.40	1,470	490 - 2,610	7.2	6.6	1.3 + 1.3 + 1.5
	2.8+2.8+5.0	10.6	1.72	1.72	3.06		6.50	2.90 - 10.00	1,380	520 - 2,670	6.7	6.2	1.1 + 1.1 + 1.7

• Specification based on JIS C 9612 standard.  
• Switchable between 8.5amp or 11amp.

# R410A INVERTER MULTI-SPLIT

## INVERTER MULTI-COMBINATION (CU-4XS34UBZ)

INDOOR UNIT COMBINATION Cooling	Total	Cooling Capacity [kW]						Power Input [W]		Current [A] [50Hz]		Moisture Removal L/h
		A	B	C	D	Total	min - max	Rated	min - max	220V	240V	
2.8 + 2.8 + 6.0	11.6	1.57	1.57	3.36		6.50	2.90 - 10.00	1,380	520 - 2,670	6.7	6.2	1.0 + 1.0 + 1.9
2.8 + 3.2 + 3.2	9.2	1.98	2.26	2.26		6.50	2.90 - 9.50	1,470	490 - 2,610	7.2	6.6	1.3 + 1.5 + 1.5
2.8 + 3.2 + 5.0	11.0	1.65	1.89	2.96		6.50	2.90 - 10.10	1,380	520 - 2,670	6.7	6.2	1.1 + 1.2 + 1.7
2.8 + 3.2 + 6.0	12.0	1.52	1.73	3.25		6.50	2.90 - 10.10	1,380	520 - 2,670	6.7	6.2	1.0 + 1.1 + 1.8
2.8 + 5.0 + 5.0	12.8	1.42	2.54	2.54		6.50	2.90 - 10.50	1,380	560 - 2,630	6.5	5.9	0.9 + 1.6 + 1.6
2.8 + 5.0 + 6.0	13.8	1.31	2.36	2.83		6.50	2.90 - 10.50	1,380	560 - 2,630	6.5	5.9	0.8 + 1.5 + 1.7
2.8 + 6.0 + 6.0	14.8	1.22	2.64	2.64		6.50	2.90 - 10.50	1,380	560 - 2,630	6.5	5.9	0.8 + 1.6 + 1.6
3.2 + 3.2 + 3.2	9.6	2.16	2.16	2.16		6.48	2.90 - 9.70	1,420	490 - 2,710	6.9	6.3	1.4 + 1.4 + 1.4
3.2 + 3.2 + 5.0	11.4	1.82	1.82	2.86		6.50	2.90 - 10.20	1,330	520 - 2,670	6.5	5.9	1.2 + 1.2 + 1.7
3.2 + 3.2 + 6.0	12.4	1.68	1.68	3.14		6.50	2.90 - 10.20	1,330	520 - 2,670	6.5	5.9	1.1 + 1.1 + 1.8
3.2 + 5.0 + 5.0	13.2	1.58	2.46	2.46		6.50	2.90 - 10.50	1,330	590 - 2,530	6.5	5.9	1.0 + 1.5 + 1.5
3.2 + 5.0 + 6.0	14.2	1.46	2.29	2.75		6.50	2.90 - 10.50	1,330	590 - 2,530	6.5	5.9	0.9 + 1.5 + 1.6
3.2 + 6.0 + 6.0	15.2	1.36	2.57	2.57		6.50	2.90 - 10.50	1,330	590 - 2,530	6.5	5.9	0.9 + 1.6 + 1.6
5.0 + 5.0 + 5.0	15.0	2.16	2.16	2.16		6.48	2.90 - 10.50	1,300	640 - 2,340	6.3	5.8	1.4 + 1.4 + 1.4
2.8 + 2.8 + 2.8 + 2.8	11.2	1.63	1.63	1.63	1.63	6.50	2.90 - 10.60	1,330	560 - 2,770	6.5	5.9	1.0 + 1.0 + 1.0 + 1.0
2.8 + 2.8 + 2.8 + 3.2	11.6	1.57	1.57	1.57	1.79	6.50	2.90 - 10.60	1,330	560 - 2,770	6.5	5.9	1.0 + 1.0 + 1.0 + 1.0
2.8 + 2.8 + 2.8 + 5.0	13.4	1.36	1.36	1.36	2.42	6.50	2.90 - 10.60	1,300	600 - 2,440	6.3	5.8	0.9 + 0.9 + 0.9 + 1.5
2.8 + 2.8 + 2.8 + 6.0	14.4	1.26	1.26	1.26	2.72	6.50	2.90 - 10.60	1,300	600 - 2,440	6.3	5.8	0.8 + 0.8 + 0.8 + 1.6
2.8 + 2.8 + 3.2 + 3.2	12.0	1.52	1.52	1.73	1.73	6.50	2.90 - 10.60	1,330	560 - 2,680	6.5	5.9	1.0 + 1.0 + 1.1 + 1.1
2.8 + 2.8 + 3.2 + 5.0	13.8	1.32	1.32	1.51	2.35	6.50	2.90 - 10.60	1,300	640 - 2,440	6.3	5.8	0.8 + 0.8 + 1.0 + 1.5
2.8 + 2.8 + 3.2 + 6.0	14.8	1.23	1.23	1.41	2.63	6.50	2.90 - 10.60	1,300	640 - 2,440	6.3	5.8	0.8 + 0.8 + 0.9 + 1.6
2.8 + 2.8 + 5.0 + 5.0	15.6	1.17	1.17	2.08	2.08	6.50	2.90 - 10.60	1,310	700 - 2,260	6.4	5.8	0.7 + 0.7 + 1.3 + 1.3
2.8 + 3.2 + 3.2 + 3.2	12.4	1.46	1.68	1.68	1.68	6.50	2.90 - 10.60	1,290	590 - 2,630	6.3	5.8	0.9 + 1.1 + 1.1 + 1.1
2.8 + 3.2 + 3.2 + 5.0	14.2	1.28	1.46	1.46	2.30	6.50	2.90 - 10.60	1,300	640 - 2,390	6.3	5.8	0.8 + 0.9 + 0.9 + 1.5
2.8 + 3.2 + 3.2 + 6.0	15.2	1.20	1.37	1.37	2.56	6.50	2.90 - 10.60	1,300	640 - 2,390	6.3	5.8	0.7 + 0.9 + 0.9 + 1.6
3.2 + 3.2 + 3.2 + 3.2	12.8	1.63	1.63	1.63	1.63	6.50	2.90 - 10.60	1,290	600 - 2,580	6.3	5.8	1.0 + 1.0 + 1.0 + 1.0
3.2 + 3.2 + 3.2 + 5.0	14.6	1.42	1.42	1.42	2.24	6.50	2.90 - 10.60	1,300	650 - 2,350	6.3	5.8	0.9 + 0.9 + 0.9 + 1.5
3.2 + 3.2 + 3.2 + 6.0	15.6	1.33	1.33	1.33	2.51	6.50	2.90 - 10.60	1,300	650 - 2,350	6.3	5.8	0.8 + 0.8 + 0.8 + 1.5


• Specification based on JIS C 9612 standard.  
• Switchable between 8.5amp or 11amp.

## CONNECTION OF COOLING MULTI INVERTER

Outdoor Unit	Indoor		
	Type	Maximum Connectable Indoor unit kW	KW
CU-2XS20UKZ  	Wall Mounted 	6.4	2.8 3.2
CU-3XS27UKZ  	Wall Mounted 	13.2	2.8 3.2 5.0
CU-4XS30UBZ  	Wall Mounted 	14.8	2.8 3.2 5.0 6.0
	Mini Cassette 		3.2 5.0 6.0
	Slim Ducted 		2.8 3.2 5.0 6.0
CU-4XS34UBZ  	Wall Mounted 	15.6	2.8 3.2 5.0 6.0
	Mini Cassette 		3.2 5.0 6.0
	Slim Ducted 		2.8 3.2 5.0 6.0

# R410A INVERTER MULTI-SPLIT


## WALL-MOUNTED DELUXE INVERTER R410A




CS-S9TKZW | CS-S12TKZW




CS-S18TKZW | CS-S24TKZW



Wireless  
(Standard)



Wired  
CZ-RD514C  
(Optional)



Network Adaptor  
CZ-TACG1  
(Optional)

**nanoe-G** | **AEROWINGS**

**INVERTER** | **ECONAVI**

**POWERFUL**

### FEATURES

## MINI CASSETTE



CS-S12MB4ZW | CS-S18MB4ZW | CS-S24MB4ZW



Panel CZ-BT20EW



Wireless  
(Standard)


**INVERTER**

**POWERFUL**

### FEATURES

# OUTDOOR

## INVERTER DUAL-SPLIT MODEL

MODELS	CU-2S18PKZ	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
2 Rooms		<div style="display: flex; justify-content: space-around;"> <div>Port A <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span></div> <div>Either unit</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port B <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span></div> <div>Either unit</div> </div>

• It is possible to have a combination of wall-mounted models [CS-S9, S12TKZW] for the [CU-2S18PKZ] Outdoor Unit Ports.

## INVERTER TRIPLE-SPLIT MODEL

MODELS	CU-3S27VKZ	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
3 Rooms		<div style="display: flex; justify-content: space-around;"> <div>Port A <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port B <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port C <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div>

• It is possible to have a combination of wall-mounted models [CS-S9, S12, S18, S24TKZW] for the [CU-3S27VKZ] Outdoor Unit Ports.

MODELS	CU-3S27KKZ	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
3 Rooms		<div style="display: flex; justify-content: space-around;"> <div>Port A <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port B <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port C <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div>

• It is possible to have a combination of wall-mounted models [CS-S9, S12, S18, S24TKZW] and mini cassette models [CS-S12, S18, S24MB4ZW] for the [CU-3S27KKZ] Outdoor Unit Ports.  
 • A minimum of 5.0kW capacity if 1 indoor units is connected.

## INVERTER QUADRUPLE-SPLIT MODEL

MODELS	CU-4S27VKZ	Indoor Units: Possible Combination Patterns ( Must be within capacity range )
4 Rooms		<div style="display: flex; justify-content: space-around;"> <div>Port A <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port B <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port C <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Port D <span style="background-color: #0056b3; color: white; padding: 2px 5px;">2.8</span> or <span style="background-color: #0056b3; color: white; padding: 2px 5px;">3.2</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">5.0</span> or <span style="background-color: #008080; color: white; padding: 2px 5px;">6.0</span></div> </div>

• It is possible to have a combination of wall-mounted models [CS-S9, S12, S18, S24TKZW] for the [CU-4S27VKZ] Outdoor Unit Ports.

# R410A INVERTER MULTI-SPLIT

## INDOOR

### DELUXE INVERTER R410A SPECIFICATIONS

MODEL	(50Hz)	CS-S9TKZW	CS-S12TKZW	CS-S18TKZW	CS-S24TKZW
Operation		1 unit	1 unit	1 unit	1 unit
Cooling Capacity	Btu/h	9,550	10,900	17,100	20,500
	kW	2.80	3.20	5.00	6.00
Electrical Data	Voltage	220 - 240	220 - 240	220 - 240	220 - 240
Sound Pressure Level	Indoor (H/L)	40/29	44/32	47/38	48/39
Moisture Removal	L/h	1.6	1.8	2.7	3.3
	m³/min	9.8	11.0	19.3	20.3
Air Circulation	ft³/min	345	390	680	715
	W	40	40	*40/30	30
Dimensions	Height	295	295	302	302
	Width	919	919	1,120	1,120
	Depth	199	199	241	241
Net Weight Indoor	kg	9	9	12	12
Refrigerant Pipe Diameter	Liquid Side	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	ø 9.52	ø 9.52	ø 9.52	ø 12.7
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor

\* Fan Output for CS-S18TKZW, 40 for CU-3S27MKZ and 30 for CU-3S27KKZ

### MINI CASSETTE SPECIFICATIONS

MODEL	(50Hz)	CS-S12MB4ZW	CS-S18MB4ZW	CS-S24MB4ZW
Operation		1 unit	1 unit	1 unit
Cooling Capacity	Btu/h	10,900	17,100	20,500
	kW	3.20	5.00	6.00
Electrical Data	Voltage	220 - 240	220 - 240	220 - 240
Sound Pressure Level	Indoor (H/L)	34 / 26	36 / 28	41 / 33
Moisture Removal	L/h	1.8	2.7	3.3
	m³/min	10.5	11.0	12.8
Air Circulation	ft³/min	370	390	450
	W	40	40	40
Dimensions	Height	260	260	260
	Width	575	575	575
	Depth	575	575	575
Net Weight Indoor	kg	18	18	18
Refrigerant Pipe Diameter	Liquid Side	ø 6.35	ø 6.35	ø 6.35
	Gas Side	ø 9.52	ø 9.52	ø 12.70
Power Supply		Outdoor	Outdoor	Outdoor

## OUTDOOR

MODEL	(50Hz)	DUAL-SPLIT MODEL	TRIPLE-SPLIT MODEL		QUADRUPLE-SPLIT MODEL	
		CU-2S18PKZ	CU-3S27VKZ	CU-3S27KKZ	CU-4S27VKZ	
Cooling Capacity	[min-max]	kW	5.00 [1.50-6.00]	7.50 [2.80-8.00]	7.50 [2.80-9.00]	7.50 [2.80-8.00]
	[min-max]	Btu/h	17,100 [5,120-20,500]	25,600 [9,550-27,300]	25,600 [9,550-30,700]	25,600 [9,550-27,300]
COP	[min-max]	W/W	3.57 [6.00-3.43]	3.64 [5.38-3.02]	3.64 [5.38-3.18]	3.64 [5.38-3.16]
EER	[min-max]	Btu/hW	12.21 [20.48-11.71]	12.43 [18.37-10.30]	12.43 [18.37-10.85]	12.43 [18.37-10.79]
Weighted COP		W/W	4.03	4.11	4.40	4.11
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240
	Current	A	6.6-6.1	10.2-9.4	10.1-9.2	10.2-9.4
	Power Input [min-max]	W	1,400 [250-1,750]	2,060 [520-2,650]	2,060 [520-2,830]	2,060 [520-2,530]
Sound Pressure Level	Outdoor (H/L)	dB [A]	49	49	49	49
Maximum Current	A	12.0	15.2	15.2	15.2	
Starting Current	A	6.6	10.2	10.1	10.2	
Compressor Output	W	900	1,300	1,300	1,300	
Fan Output	W	40	40	60	40	
	Height	mm	619	695	795	695
	Width	mm	824 [+70]	875 [+95]	875 [+95]	875 [+95]
Net Weight	Depth	mm	299	320	320	320
	Outdoor	kg	37	57	68	57
	Chargeless Pipe Length	m	20	30	30	35
Pipe Extension	1 Room	Maximum Pipe Length	20	25	25	25
		Total	30	60	60	60
	Maximum Elevation Length	m	10	15	15	15
		Additional Refrigerant Gas*	g/m	15	20	20

\* When pipes are not extended from the standard pipe length, the required amount of refrigerant is already in the unit.

### INVERTER DUAL-SPLIT MODEL (CU-2S18PKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)				Power Input [W]		Current [A] [50Hz]		Moisture Removal L/h
			A	B	Total	min - max	Rated	min - max	220V	240V	
1 Room	2.8	2.8	2.80	2.40	2.80	1.10 - 3.50	750	220 - 1,000	3.7	3.4	1.6
	3.2	3.2	3.20	2.40	3.20	1.10 - 4.00	920	220 - 1,220	4.5	4.2	1.8
2 Room	2.8 + 2.8	5.6	2.40	2.40	4.80	1.50 - 5.80	1,310	250 - 1,690	6.4	5.9	1.5 + 1.5
	2.8 + 3.2	6.0	2.30	2.70	5.00	1.50 - 5.90	1,490	250 - 1,710	7.3	6.8	1.5 + 1.6
	3.2 + 3.2	6.4	2.50	2.50	5.00	1.50 - 6.00	1,400	250 - 1,750	6.6	6.1	1.5 + 1.5

### INVERTER TRIPLE-SPLIT MODEL (CU-3S27VKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)				Power Input [W]		Current [A] [50Hz]		Moisture Removal L/h	
			A	B	C	Total	min - max	Rated	min - max	220V		240V
1 Room	2.8	2.8	2.80			2.80	1.7 - 3.4	700	380 - 890	3.8	3.5	1.6
	3.2	3.2	3.20			3.20	1.7 - 4.0	800	380 - 1,200	4.8	3.9	1.8
	5.0	5.0	5.00			5.00	1.9 - 5.8	1,460	400 - 1,890	7.4	6.8	2.7
2 Room	6.0	6.0	6.00			6.00	1.9 - 6.2	1,920	400 - 2,070	9.3	3.6	3.8
	2.8 + 2.8	5.6	2.80	2.80		5.60	1.7 - 6.4	1,700	420 - 2,550	8.5	7.8	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.7 - 6.5	1,950	420 - 2,540	9.8	9.0	1.6 + 1.8
	2.8 + 5.0	7.8	2.69	4.81		7.50	2.7 - 7.7	2,730	530 - 3,240	13.6	12.4	1.6 + 2.6
	2.8 + 6.0	8.8	2.39	5.11		7.50	2.7 - 7.7	2,730	530 - 3,240	13.6	12.4	1.5 + 2.8
	3.2 + 3.2	6.4	3.20	3.20		6.40	2.3 - 7.1	2,220	570 - 3,270	11.0	12.1	1.8 + 1.8
	3.2 + 5.0	8.2	2.93	4.57		7.50	2.8 - 7.7	2,680	530 - 3,240	13.3	12.2	1.7 + 2.5
	3.2 + 6.0	9.2	2.61	4.89		7.50	2.8 - 7.7	2,680	530 - 3,240	13.3	12.2	1.6 + 2.7
	5.0 + 5.0	10.0	3.75	3.75		7.50	2.9 - 8.0	2,380	520 - 3,230	11.3	10.8	2.2 + 2.2
	5.0 + 6.0	11.0	3.41	4.09		7.50	2.9 - 8.0	2,380	520 - 3,230	11.3	10.8	2.0 + 2.3
6.0 + 6.0	12.0	3.75	3.75		7.50	2.9 - 8.0	2,380	520 - 3,230	11.3	10.8	2.2 + 2.2	
3 Room	2.8 + 2.8 + 2.8	8.4	2.50	2.50	2.50	7.50	2.4 - 7.6	2,240	580 - 2,530	11.1	10.2	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.39	2.39	2.70	7.50	2.4 - 7.7	2,240	580 - 2,640	11.1	10.2	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.98	1.98	3.54	7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.3 + 1.3 + 2.0
	2.8 + 2.8 + 6.0	11.6	1.81	1.81	3.88	7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.2 + 1.2 + 2.3
	2.8 + 3.2 + 3.2	9.2	2.28	2.61	2.61	7.50	2.4 - 7.7	2,240	580 - 2,650	11.1	9.8	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 5.0	11.0	1.91	2.18	3.41	7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.2 + 1.4 + 2.0
	2.8 + 3.2 + 6.0	12.0	1.75	2.00	3.75	7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.1 + 1.3 + 2.2
	2.8 + 5.0 + 5.0	12.8	1.64	2.93	2.93	7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.0 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	2.50	2.50	2.50	7.50	2.4 - 7.7	2,240	590 - 2,600	11.1	9.4	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 5.0	9.6	2.11	2.11	3.28	7.50	2.8 - 8.0	2,150	600 - 2,860	10.7	9.8	1.4 + 1.4 + 1.9
3.2 + 3.2 + 6.0	12.4	1.94	1.94	3.62	7.50	2.8 - 8.0	2,150	600 - 2,860	10.7	9.8	1.3 + 1.3 + 2.1	
3.2 + 5.0 + 5.0	13.2	1.82	2.84	2.84	7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.2 + 1.7 + 1.7	

• Specification based on JIS C 9612 standard.  
• Switchable between 8.5amp or 11amp.

# R410A INVERTER MULTI-SPLIT

## INVERTER TRIPLE-SPLIT MODEL (CU-3S27KKZ)

INDOOR UNIT COMBINATION Cooling	Total	Cooling Capacity (kW)					Power Input (W)		Current (A) [50Hz]		Moisture Removal L/h
		A	B	C	Total	min - max	Rated	min - max	220V	240V	
1 Room	2.8	2.80			2.80	1.70 - 3.40	700	380 - 890	3.7	3.4	1.6
	3.2	3.20			3.20	1.70 - 4.00	800	380 - 1,200	4.2	3.9	1.8
	5.0	5.00			5.00	1.90 - 5.80	1,460	400 - 1,890	7.3	6.7	2.7
	6.0	6.00			6.00	1.90 - 6.20	1,920	400 - 2,070	9.3	8.6	3.3
2 Room	2.8 + 2.8	5.6	2.80		5.60	1.70 - 6.70	1,750	420 - 2,340	8.6	7.9	1.6 + 1.6
	2.8 + 3.2	6.0	2.80		6.00	1.70 - 6.70	2,010	420 - 2,340	9.8	9.0	1.6 + 1.8
	2.8 + 5.0	7.8	2.69		7.50	2.70 - 8.00	2,810	530 - 2,980	13.7	12.6	1.6 + 2.6
	2.8 + 6.0	8.8	2.39		7.50	2.70 - 8.00	2,810	530 - 2,980	13.7	12.6	1.5 + 2.8
	3.2 + 3.2	6.4	3.20		6.40	2.30 - 7.40	2,290	570 - 3,010	11.2	10.3	1.8 + 1.8
	3.2 + 5.0	8.2	2.93		7.50	2.30 - 8.00	2,760	530 - 2,970	13.5	12.4	1.7 + 2.5
	3.2 + 6.0	9.2	2.61		7.50	2.30 - 8.00	2,760	530 - 2,970	13.5	12.4	1.6 + 2.7
	5.0 + 5.0	10.0	3.75	3.75	7.50	2.90 - 8.30	2,440	520 - 2,970	11.9	10.9	2.2 + 2.2
	5.0 + 6.0	11.0	3.41	4.09	7.50	2.90 - 8.30	2,440	520 - 2,970	11.9	10.9	2.0 + 2.3
	6.0 + 6.0	12.0	3.75	3.75	7.50	2.90 - 8.30	2,440	520 - 2,970	11.9	10.9	2.2 + 2.2
3 Room	2.8 + 2.8 + 2.8	8.4	2.50	2.50	2.50	2.40 - 7.90	2,740	580 - 2,840	13.4	12.3	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.39	2.39	2.72	2.40 - 8.00	2,690	580 - 2,850	13.1	12.1	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.98	1.98	3.54	2.80 - 8.80	2,250	600 - 3,010	11.0	10.1	1.3 + 1.3 + 2.0
	2.8 + 2.8 + 6.0	11.6	1.81	1.81	3.88	2.80 - 8.80	2,250	600 - 3,010	11.0	10.1	1.2 + 1.2 + 2.3
	2.8 + 3.2 + 3.2	9.2	2.28	2.61	2.61	2.40 - 8.00	2,690	580 - 2,860	13.1	12.1	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 5.0	11.0	1.91	2.18	3.41	2.80 - 8.80	2,250	600 - 3,020	11.0	10.1	1.2 + 1.4 + 2.0
	2.8 + 3.2 + 6.0	12.0	1.75	2.00	3.75	2.80 - 8.80	2,250	600 - 3,020	11.0	10.1	1.1 + 1.3 + 2.2
	2.8 + 5.0 + 5.0	12.8	1.64	2.93	2.93	2.80 - 9.00	2,070	520 - 2,830	10.1	9.3	1.0 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	2.50	2.50	2.50	2.40 - 8.00	2,650	590 - 2,860	13.0	11.9	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 5.0	9.6	2.11	2.11	3.28	2.80 - 8.80	2,250	600 - 3,020	11.0	10.1	1.4 + 1.4 + 1.9
	3.2 + 3.2 + 6.0	9.6	1.94	1.94	3.62	2.80 - 8.80	2,250	600 - 3,020	11.0	10.1	1.3 + 1.3 + 2.1
	3.2 + 5.0 + 5.0	9.6	1.82	2.84	2.84	2.80 - 9.00	2,060	520 - 2,830	10.1	9.2	1.2 + 1.7 + 1.7

• Specification based on JIS C 9612 standard.  
 • A minimum of 5.0kW capacity if 1 indoor unit is connected.  
 • Switchable between 8.5amp or 11amp.

## INVERTER QUADRUPLE-SPLIT MODEL (CU-4S27VKZ)

INDOOR UNIT COMBINATION Cooling	Total	Cooling Capacity (kW)						Power Input (W)		Current (A) [50Hz]		Moisture Removal L/h	
		A	B	C	D	Total	min - max	Rated	min - max	220V	240V		
1 Room	2.8	2.80					2.80	1.7 - 3.4	700	380 - 890	3.8	3.5	1.6
	3.2	3.20					3.20	1.7 - 4.0	800	380 - 1,200	4.3	3.9	1.8
	5.0	5.00					5.00	1.9 - 5.8	1,460	400 - 1,890	7.4	6.8	2.7
	6.0	6.00					6.00	1.9 - 6.2	1,920	400 - 2,070	9.3	8.6	3.3
2 Room	2.8 + 2.8	5.6	2.80	2.80			5.60	1.7 - 6.4	1,700	420 - 2,550	8.5	7.8	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20			6.00	1.7 - 6.5	1,950	420 - 2,540	9.8	9.0	1.6 + 1.8
	2.8 + 5.0	7.8	2.69	4.81			7.50	2.7 - 7.7	2,730	530 - 3,240	13.6	12.4	1.6 + 2.6
	2.8 + 6.0	8.8	2.39	5.11			7.50	2.7 - 7.7	2,730	530 - 3,240	13.6	12.4	1.5 + 2.8
	3.2 + 3.2	6.4	3.20	3.20			6.40	2.3 - 7.1	2,220	570 - 3,270	11.0	10.1	1.8 + 1.8
	3.2 + 5.0	8.2	2.93	4.57			7.50	2.3 - 7.7	2,680	530 - 3,240	13.3	12.2	1.7 + 2.5
	3.2 + 6.0	9.2	2.61	4.89			7.50	2.3 - 7.7	2,680	530 - 3,240	13.3	12.2	1.6 + 2.7
	5.0 + 5.0	10.0	3.75	3.75			7.50	2.9 - 8.0	2,380	520 - 3,230	11.3	10.8	2.2 + 2.2
	5.0 + 6.0	11.0	3.41	4.09			7.50	2.9 - 8.0	2,380	520 - 3,230	11.3	10.8	2.0 + 2.3
	6.0 + 6.0	12.0	3.75	3.75			7.50	2.9 - 8.0	2,380	520 - 3,230	11.3	10.8	2.2 + 2.2
3 Room	2.8 + 2.8 + 2.8	8.4	2.50	2.50	2.50		7.50	2.4 - 7.6	2,240	580 - 2,580	11.1	10.2	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.39	2.39	2.72		7.50	2.4 - 7.7	2,240	580 - 2,640	11.1	10.2	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.98	1.98	3.54		7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.3 + 1.3 + 2.0
	2.8 + 2.8 + 6.0	11.6	1.81	1.81	3.88		7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.2 + 1.2 + 2.3
	2.8 + 3.2 + 3.2	9.2	2.28	2.61	2.61		7.50	2.4 - 7.7	2,240	580 - 2,650	11.1	10.2	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 5.0	11.0	1.91	2.18	3.41		7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.2 + 1.4 + 2.0
	2.8 + 3.2 + 6.0	12.0	1.75	2.00	3.75		7.50	2.8 - 8.0	2,150	600 - 2,850	10.7	9.8	1.1 + 1.3 + 2.2
	2.8 + 5.0 + 5.0	12.8	1.64	2.93	2.93		7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.0 + 1.7 + 1.7
	2.8 + 5.0 + 6.0	13.8	1.52	2.72	3.26		7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.0 + 1.6 + 1.9
	2.8 + 6.0 + 6.0	14.8	1.42	3.04	3.04		7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	0.9 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	2.50	2.50	2.50		7.50	2.4 - 7.7	2,240	590 - 2,600	11.1	10.2	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 5.0	11.4	2.11	2.11	3.28		7.50	2.8 - 8.0	2,150	600 - 2,860	10.7	9.8	1.4 + 1.4 + 1.9
	3.2 + 3.2 + 6.0	12.4	1.94	1.94	3.62		7.50	2.8 - 8.0	2,150	600 - 2,860	10.7	9.8	1.3 + 1.3 + 2.1
	3.2 + 5.0 + 5.0	13.2	1.82	2.84	2.84		7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.2 + 1.7 + 1.7
	3.2 + 5.0 + 6.0	14.2	1.69	2.64	3.17		7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.1 + 1.6 + 1.8
4 Room	2.8 + 2.8 + 2.8 + 2.8	11.2	1.88	1.88	1.88	1.88	7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.2 + 1.2 + 1.2 + 1.2
	2.8 + 2.8 + 2.8 + 3.2	11.6	1.81	1.81	1.81	2.07	7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.2 + 1.2 + 1.2 + 1.3
	2.8 + 2.8 + 2.8 + 5.0	13.4	1.57	1.57	1.57	2.79	7.50	2.8 - 8.0	2,060	520 - 2,530	10.2	9.4	1.0 + 1.0 + 1.0 + 1.6
	2.8 + 2.8 + 2.8 + 6.0	14.4	1.46	1.46	1.46	3.12	7.50	2.8 - 8.0	2,060	520 - 2,530	10.2	9.4	0.9 + 0.9 + 0.9 + 1.8
	2.8 + 2.8 + 3.2 + 3.2	12.0	1.75	1.75	2.00	2.00	7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.1 + 1.1 + 1.3 + 1.3
	2.8 + 2.8 + 3.2 + 5.0	13.8	1.52	1.52	1.74	2.72	7.50	2.8 - 8.0	2,060	520 - 2,530	10.2	9.4	1.0 + 1.0 + 1.1 + 1.6
	2.8 + 2.8 + 3.2 + 6.0	14.8	1.42	1.42	1.62	3.04	7.50	2.8 - 8.0	2,060	520 - 2,530	10.2	9.4	0.9 + 0.9 + 1.0 + 1.7
	2.8 + 3.2 + 3.2 + 3.2	12.4	1.68	1.94	1.94	1.94	7.50	2.8 - 8.0	2,060	520 - 2,650	10.2	9.4	1.1 + 1.3 + 1.3 + 1.3
	2.8 + 3.2 + 3.2 + 5.0	14.2	1.48	1.69	1.69	2.64	7.50	2.8 - 8.0	2,060	520 - 2,530	10.2	9.4	0.9 + 1.1 + 1.1 + 1.6
	3.2 + 3.2 + 3.2 + 3.2	12.8	1.88	1.88	1.88	1.88	7.50	2.8 - 8.0	2,060	520 - 2,590	10.2	9.4	1.2 + 1.2 + 1.2 + 1.2
	3.2 + 3.2 + 3.2 + 5.0	14.6	1.64	1.64	1.64	2.58	7.50	2.8 - 8.0	2,060	520 - 2,530	10.2	9.4	1.0 + 1.0 + 1.0 + 1.6

• Specification based on JIS C 9612 standard.  
 • Switchable between 8.5amp or 11amp.

### CONNECTION OF COOLING MULTI INVERTER

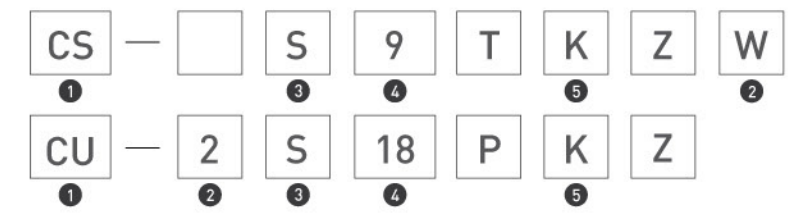
Outdoor Unit	Indoor		
	Type	Maximum Connectable Indoor unit kW	KW
CU-2S18PKZ 	<b>Wall Mounted</b>  CS-S9TKZW   CS-S12TKZW	6.4	2.8 3.2
CU-3S27VKZ 	<b>Wall Mounted</b>  CS-S9TKZW   CS-S12TKZW  CS-S18TKZW   CS-S24TKZW	13.2	2.8 3.2 5.0 6.0
CU-3S27KKZ 	<b>Wall Mounted</b>  CS-S9TKZW   CS-S12TKZW  CS-S18TKZW   CS-S24TKZW <b>Mini Cassette</b>  CS-S12MB4ZW   CS-S18MB4ZW   CS-S24MB4ZW	13.2	2.8 3.2 5.0 6.0  3.2 5.0 6.0
CU-4S27VKZ 	<b>Wall Mounted</b>  CS-S9TKZW   CS-S12TKZW  CS-S18TKZW   CS-S24TKZW	14.8	2.8 3.2 5.0 6.0

### OPTIONAL ACCESSORIES

■ FILTER		
Anti-Bacterial Filter  CZ-SA22P CS-PS9UKZ, CS-PS12UKZ, CS-PS18UKZ, CS-PS24UKZ		
■ PIPE SIZE REDUCER		■ PIPE SIZE EXPANDER
Use at the indoor unit's connection port  CZ-MA1P CS-S12TKZW, CS-S18TKZW CS-S12MB4ZW, CS-S18MB4ZW	 CZ-MA3P CS-S24TKZW CS-MXS24XKZ CS-S24MB4ZW CS-MS24SD3H	Use at the outdoor unit's connection port  CZ-MA2P CS-S24TKZW CS-MXS24XKZ CS-S24MB4ZW CS-MS24SD3H

### THE SYSTEM OF MODEL NUMBERS FOR SPLIT MODELS

- Model Type**  
 CS : Split Type (Indoor Unit)  
 CU : Split Type (Outdoor Unit)  
 CZ : Accessories
- Connection Configuration**  
 <Indoor Unit>  
 W : Multi Split  
 <Outdoor Unit>  
 n : (n) Rooms Multi
- Function**  
 XU : X-Premium Inverter R32  
 S : Deluxe Inverter R410A  
 PU : Standard Inverter R32  
 PS : Standard Inverter R410A  
 MXS : X-Premium Inverter R410A Multi
- Capacity**  
 Value = Capacity (Btu/h) x 1/1000, e.g. 9,000 Btu/h x 1/1000 = 9
- Type**  
 K : Wall-Mounted Type



### RATING CONDITIONS

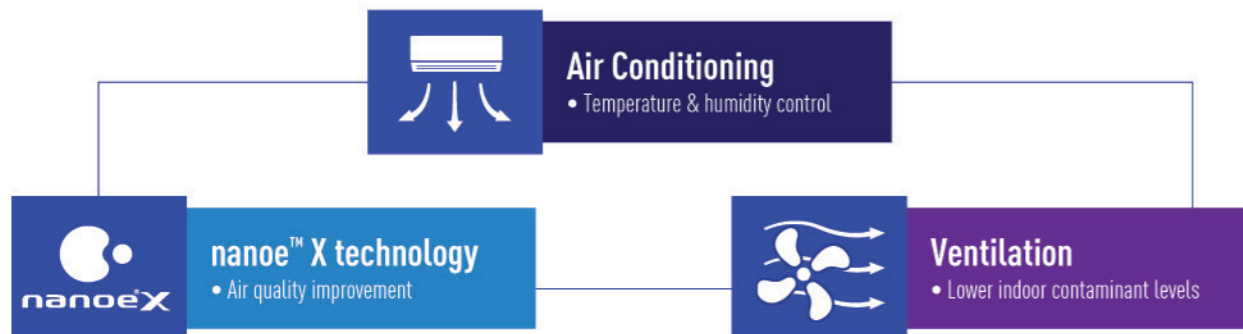
	Cooling
Inside air temperature	27°C DB (19°C WB)
Outside air temperature	35°C DB (24°C WB)



## 3 Key Elements for Quality Air

Envisioning a comfortable environment is now made a reality. Panasonic maintains three key elements such as Air Conditioning, Air Ventilation and Air Purification to ensure you can enjoy quality air that enriches your life.

### QUALITY AIR FOR LIFE



## Air Conditioning

Panasonic air conditioners offer comfortable cooling while harmonising with any interior designs.

### Wall-mounted Air Conditioner



Cool air descends from above for gentle and even cooling.

### 4-Way Cassette



360° wide and comfortable airflow.



## nanoe™ X technology

Deodorises and effectively inhibits bacteria, viruses and pollutants in the air and surfaces (adhered) for a clean and safe environment.

### Wall-mounted Air Conditioner



Purifies your living space by inhibiting various pollutants to protect you and your family.

### Humidifying Air Purifier



Safe air with HEPA composite filter that removes 99.97% of 0.3µm particles.

### air-e



Deodorises unpleasant smells and fabrics, occupying only a minimal space.

### Portable nanoe™ X Generator



The portable and lightweight design makes it ideal for any environment.

# Expanding the nanoe™ world in Japan-24/7, Anywhere, Anytime.

Increasingly adopted in a wide range of industries such as railway, automotive, hotel and hospital industries

## Public Transport



JR Kyushu



Keihan Railway



KEIO



JR East

## Office



4-way cassette air conditioners



Elevators

Hitachi

## Home



Humidifying air purifiers



Humidifiers



Clothes drying dehumidifiers



Fans



Air conditioners

## Automotive

Toyota Lexus

Expanding adoption to 40 models



Suzuki

Mazda

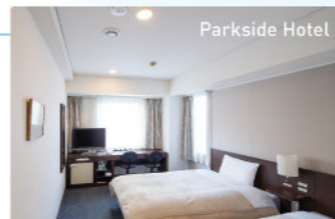
Subaru

## Public spaces



Ceiling-embedded nanoe™ generators

### Hotels



### Cafes



### Hospitals



### Nursery schools



### Nursing homes



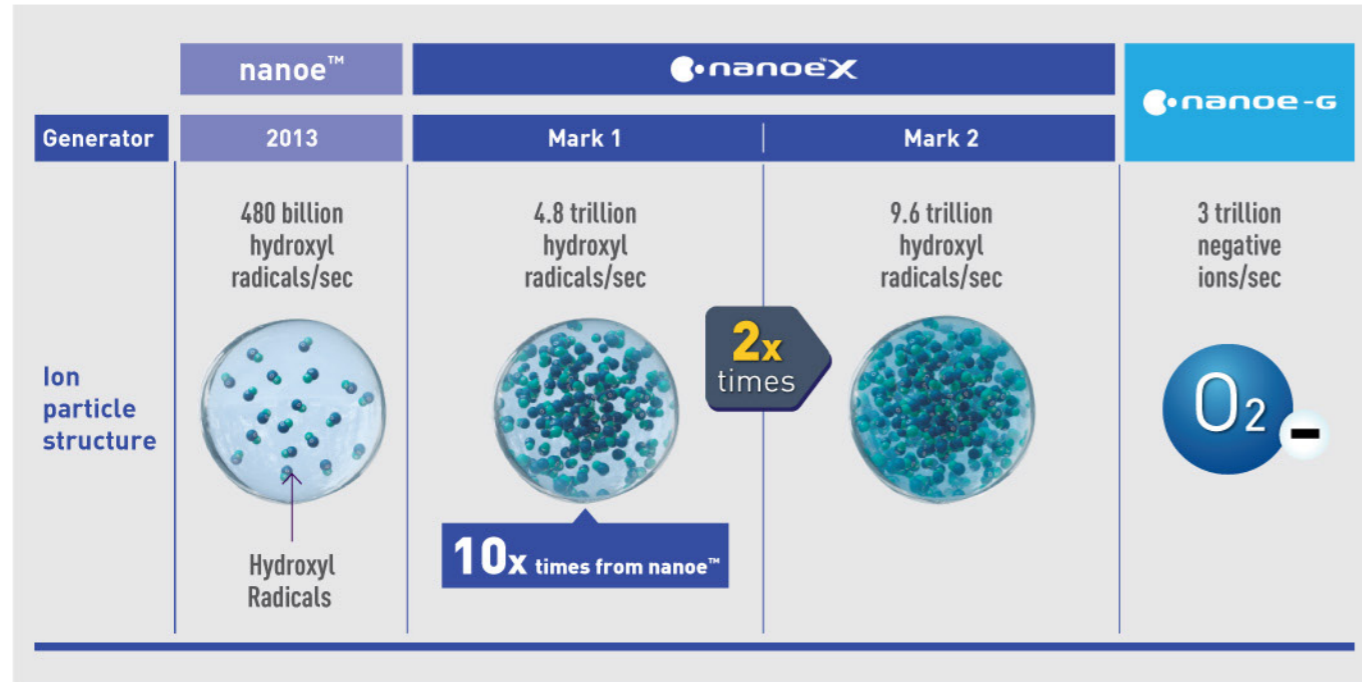
Panasonic is committed to the improvement of air quality with nanoe™ technology.

Trade names, trademarks and images of products/services are used in this material under approval by the entities concerned in Japan. [As of May 31st, 2020]

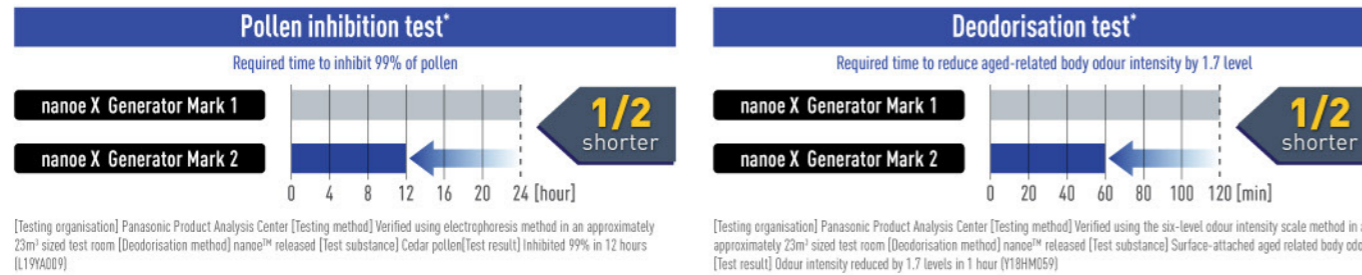


# The Development of nanoe™ technology

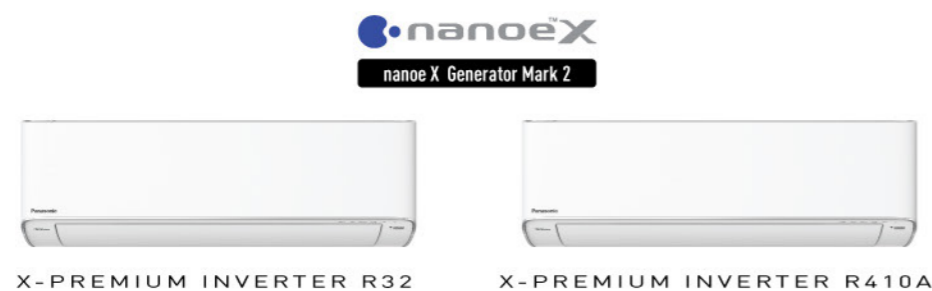
nanoe™ technology development started with the aim of using water's natural tendency to dissolve odour-causing substances. Through repeated improvements on the nanoe™ device over the years, it now generates 20 times more hydroxyl radicals to ensure the air is purified at all times.



## Effectiveness of nanoe X Generator Mark 2 vs nanoe X Generator Mark 1



\*Lifespan of hydroxyl radicals contained in water is around 10 minutes, during this time they have the capacity to act against the pollutants. It may require longer to inhibit pollutants effectively, see the tests on effectiveness on nanoe™ X on airborne and adhesive pollutants.



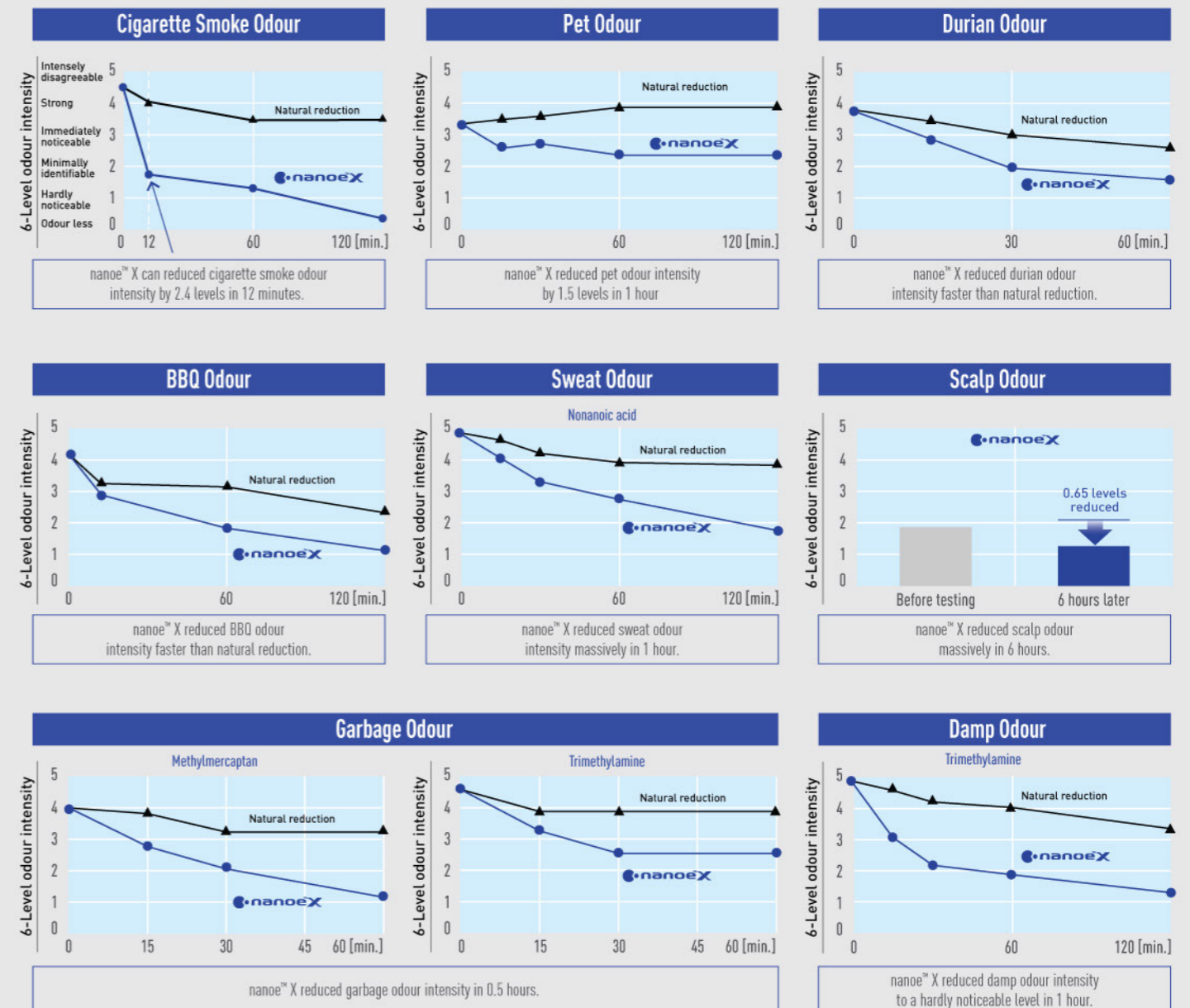
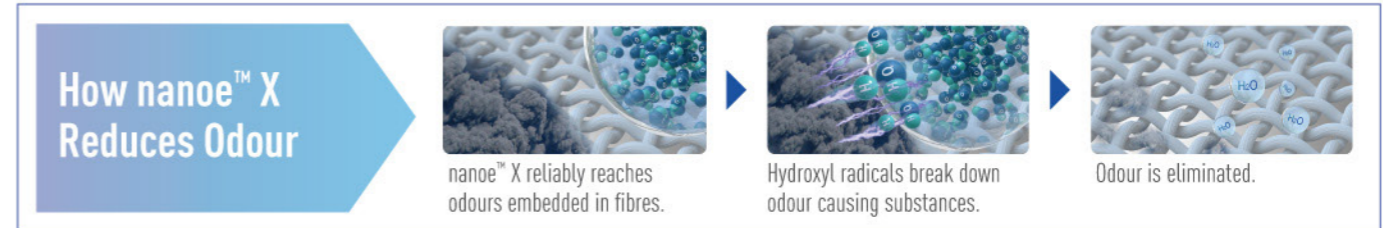
## Deodorises frequently encountered odours

Odour causing substances such as cigarette smoke and garbage are removed to a hardly noticeable level.



### Acts on odour causing substances & deodorises them

nanoe™ X particles, which are smaller than steam particles, penetrate into deepest parts of fibres allowing for highly effective deodorisation.



[ Representative evidence ]

\*\* : Units based on Panasonic standards

	Odours	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Adhered	Cigarette smoke odour	Odour intensity reduced by 2.4 levels	Approx. 23m <sup>3</sup>	0.2	Panasonic Product Analysis Center	4AA33-160615-N04
	Pet odour	Odour intensity reduced by 1.5 levels	Approx. 23m <sup>3</sup>	1	Panasonic Product Analysis Center	4AA33-160315-A34
	Durian odour	Odour intensity reduced by 1.0 levels	Approx. 23m <sup>3</sup>	0.5	Panasonic Product Analysis Center	1V332-180402-K01
	BBQ odour	Odour intensity reduced by 1.2 levels	Approx. 23m <sup>3</sup>	2	Panasonic Product Analysis Center	4AA33-151221-N01
	Sweat odour (Nonanoic acid)	Odour intensity reduced by 1.1 levels	Approx. 23m <sup>3</sup>	1	Panasonic Product Analysis Center	Y16HM016
	Sweat odour (Hexanoic acid)	Odour intensity reduced by 2.6 levels	Approx. 23m <sup>3</sup>	1	Panasonic Product Analysis Center	4AA33-160315-A35
	Scalp odour (Pillow cover)	Odour intensity reduced by 0.65 levels	Approx. 23m <sup>3</sup>	6	[Supervision] Odour and Aroma Design Course, Department of Integrated Informatics, Faculty of Informatics, Daido University	
	Garbage odour (Methylmercaptan)	Odour intensity reduced by 1.2 levels	Approx. 23m <sup>3</sup>	0.5	Panasonic Product Analysis Center	1V332-18220-K11
	Garbage odour (Trimethylamine)	Odour intensity reduced by 1.4 levels	Approx. 23m <sup>3</sup>	0.5	Panasonic Product Analysis Center	1V332-180220-K12
	Damp odour (Triethylamine)	Odour intensity reduced by 1.7 levels	Approx. 23m <sup>3</sup>	0.5	Panasonic Product Analysis Center	Y16RA002

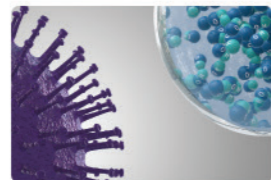
Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoeX and nanoeX inhibit activity or growth of viruses, but do not prevent infection. Deodorisation effect varies according to the environment (temperature and humidity), operation time, odour, and fabric types.



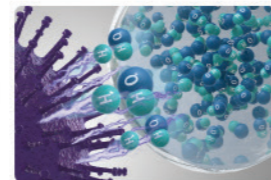
## Inhibits activity of airborne, adhered bacteria and viruses

nanoeX inhibits the activity of airborne and adhered bacteria and viruses.

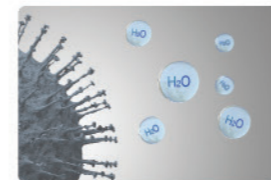
### How nanoeX Inhibits Bacteria & Viruses



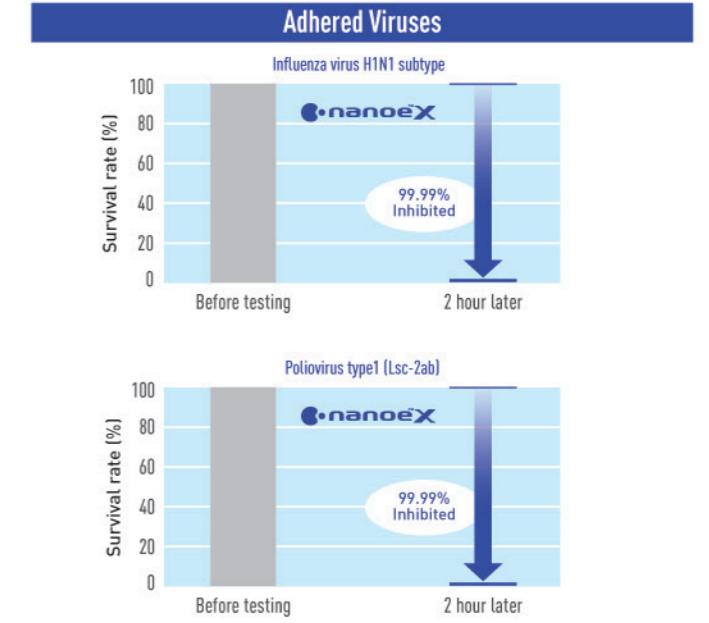
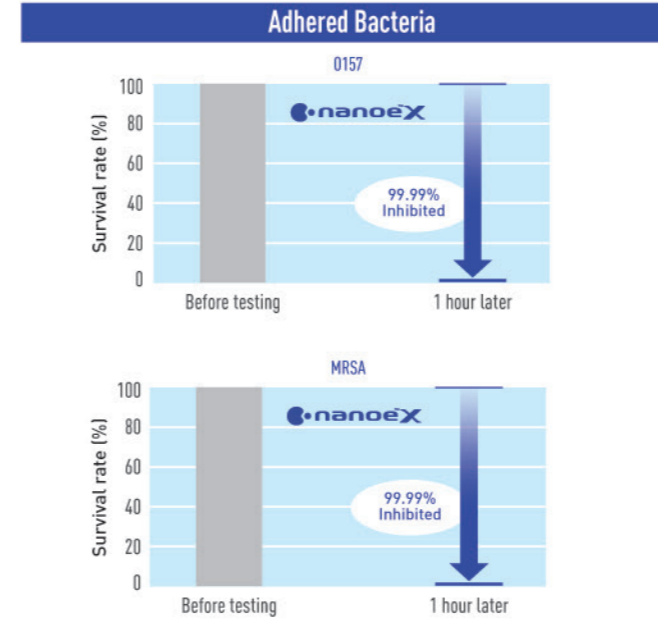
nanoeX reliably reaches virus.



Hydroxyl radicals transform virus proteins.



Virus activity is inhibited.



[ Representative evidence ]

\*\* : Units based on Panasonic standards

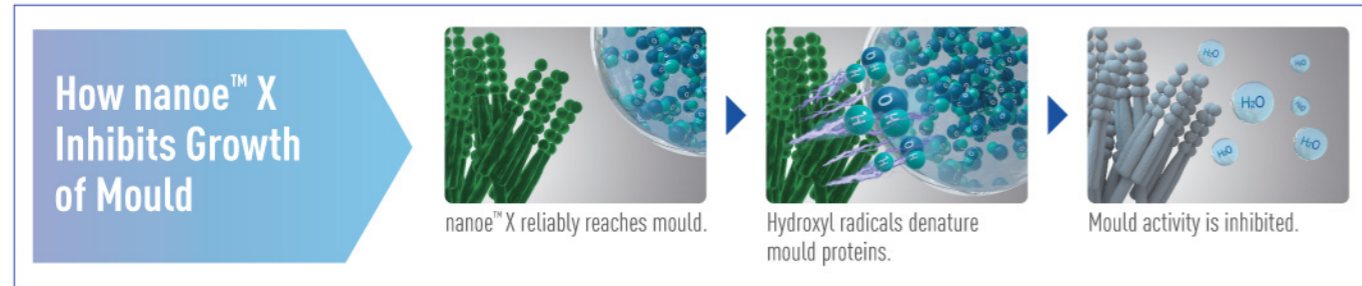
	Bacteria & viruses	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Airborne	Virus Bacteriophage ΦX174	99.7% inhibited	Approx. 25m <sup>3</sup>	6	Kitasato Research Center for Environmental Science	24_0300_1
	Bacteria Staphylococcus aureus	99.9% inhibited	Approx. 25m <sup>3</sup>	4	Kitasato Research Center for Environmental Science	2016_0279
Adhered	Virus Bacteriophage ΦX174	99.8% inhibited	Approx. 25m <sup>3</sup>	8	Japan Food Research Laboratories	13001265005-01
	Bacteria Staphylococcus aureus	99.1% inhibited	Approx. 25m <sup>3</sup>	8	Japan Food Research Laboratories	13044083003-01
Adhered Novel Coronavirus	SARS-CoV-2	99.9% inhibited	45L	2	Texcell France	1140-01 A1
	SARS-CoV-2	91.4% inhibited	6.7m <sup>3</sup>	8	Texcell France	1140-01 C3
	SARS-CoV-2	99.7% inhibited	6.7m <sup>3</sup>	24	Texcell France	1140-01 C3
Adhered virus	Influenza virus (H1N1 subtype)	99.9% inhibited	1m <sup>3</sup>	2	Kitasato Research Center for Environmental Science	21_0084_1
	Feline calicivirus (Related form of norovirus)	99.9% inhibited	25L	2	Japan Food Research Laboratories	207031493-001
	Coxsackievirus (B6)	99.1% inhibited	45L	2	Kitasato Research Center for Environmental Science	22_0085
	Poliovirus type 1 (Lsc-2ab)	99.7% inhibited	45L	2	Kitasato Research Center for Environmental Science	22_0096
Adhered bacteria	Bacterium enterohemorrhagic escherichia coli (O157)	99.99% inhibited	45L	1	Japan Food Research Laboratories	208120880-001
	Methicillin-resistant staphylococcus aureus (MRSA)	99.99% inhibited	45L	1	Japan Food Research Laboratories	208120880-002
	Staphylococcus aureus	99.99% inhibited	1m <sup>3</sup>	24	Kitasato Research Center for Environmental Science	20_0154_2
	Bacillus	99.6% inhibited	45L	0.5	Japan Food Research Laboratories	11000924001-01
	Micrococcus	99.9% inhibited	45L	2	Japan Food Research Laboratories	11000924001-02
	Serratia	99.9% inhibited	45L	2	Japan Food Research Laboratories	11000924001-03
	Kocuria	99.9% inhibited	45L	1	Japan Food Research Laboratories	11000922001-01

Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoeX and nanoeX inhibit activity or growth of viruses, but do not prevent infection.

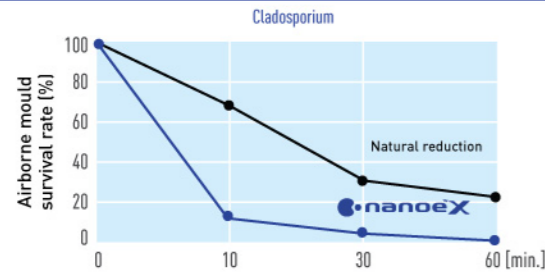


## Inhibits activity of airborne mould and adhered mould

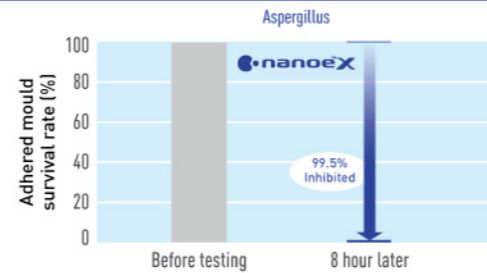
nanoe<sup>™</sup>X is effective in removing various airborne mould within a room as well as inhibiting the growth of adhered mould.



### Airborne Mould



### Adhered Mould



[ Representative evidence ]

\*\* : Units based on Panasonic standards

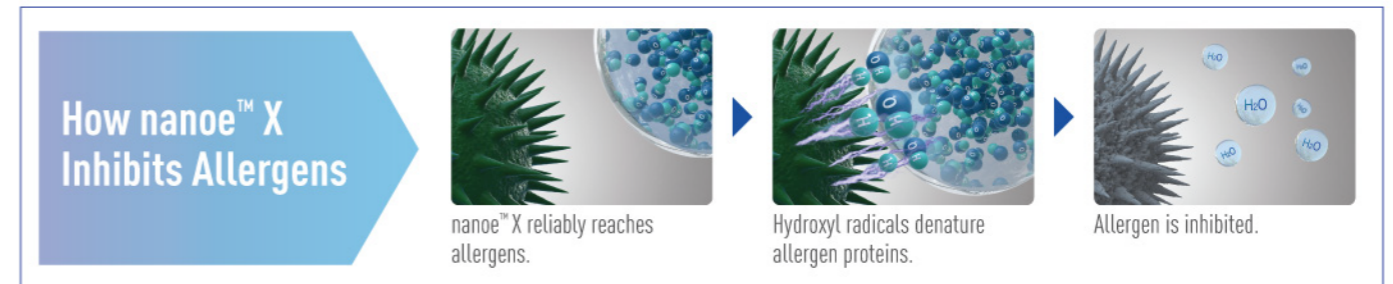
	Mould	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Airborne	Cladosporium	99% inhibited	Approx. 23m <sup>3</sup>	1	Japan Food Research Laboratories	205061541-001
	Alternaria	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	18077411001-0201
Adhered	Aspergillus	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-0801
	Cladosporium	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-0901
	Eurotium	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-1001
	Fusarium	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-1101
	Mucor	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-1201
	Penicillium	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-1301
	Stachybotrys	Inhibited	Approx. 23m <sup>3</sup>	8	Japan Food Research Laboratories	17145307001-1401
	Aspergillus	99.5% inhibited	45L	8	Japan Food Research Laboratories	11038081001-02
	Penicillium	99.5% inhibited	45L	4	Japan Food Research Laboratories	11028760001-01
	Fusarium	99.9% inhibited	45L	4	Japan Food Research Laboratories	11018692001-02
	Eurotium	99.9% inhibited	45L	8	Kitasato Research Center for Environmental Science	22_0455
	Mucor	99.9% inhibited	45L	8	Japan Food Research Laboratories	11038080001-01
	Stachybotrys	99.9% inhibited	45L	8	Kitasato Research Center for Environmental Science	22_0455
	Alternaria	99.9% inhibited	45L	16	Japan Food Research Laboratories	11038082001-01

Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe<sup>™</sup>X and nanoe<sup>™</sup> inhibit activity or growth of viruses, but do not prevent infection.



## Inhibits pet-derived allergens and major allergens

In addition to allergens from sources such as dog / cat dander, mite faeces / carcasses, and airborne mould, other major allergens are also inhibited.



[ Representative evidence ]

\*\* : Units based on Panasonic standards

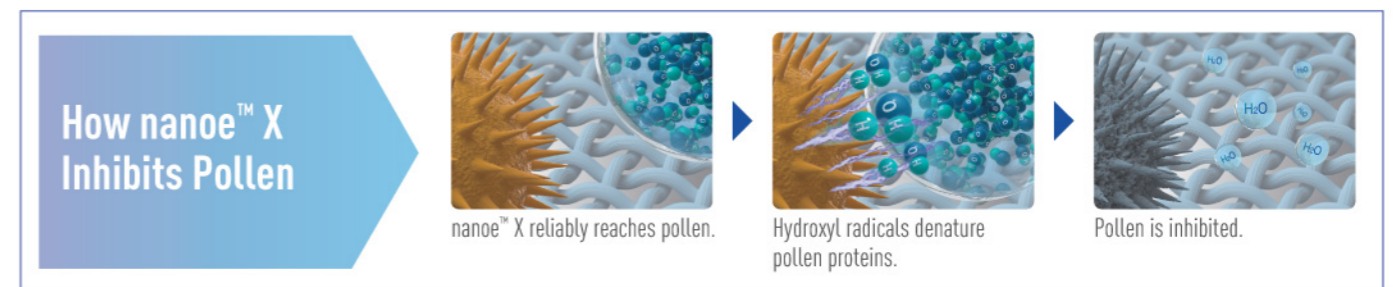
	Allergens	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Mites	Dermatophagoides pteronyssinus	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	4AA33-160615-F01
	Dermatophagoides farinae	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	4AA33-170301-F15
Mould	Alternaria (Sooty moulds)	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	4AA33-160615-F02
	Aspergillus (Aspergillus genus)	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	
	Candida	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	
Insect	Malassezia	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	4AA33-160615-F03
	Cockroach	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	
Animal	Moth	Inhibited	Approx. 23m <sup>3</sup>	24	Panasonic Product Analysis Center	4AA33-160620-F01
	Dog (dander)	Inhibited	Approx. 23m <sup>3</sup>	24		
	Cat (dander)	Inhibited	Approx. 23m <sup>3</sup>	24		

Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe<sup>™</sup>X and nanoe<sup>™</sup> inhibit activity or growth of viruses, but do not prevent infection.



## Inhibits pollens globally all year round

nanoe<sup>™</sup>X is effective in inhibiting a variety of pollens globally all year round. The inhibition effect has been confirmed for the 13 varieties shown below, including those found in Europe and North America.



[ Representative evidence ]

\*\* : Units based on Panasonic standards

Pollen Allergens	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Cedar	97% inhibited	Approx. 23m <sup>2</sup>	8	Panasonic Product Analysis Center	4AA33-151001-F01
Cypress	Inhibited	Approx. 23m <sup>2</sup>	24	Panasonic Product Analysis Center	4AA33-151028-F01
Orchard grass	Inhibited	Approx. 23m <sup>2</sup>	24		
Ragweed	Inhibited	Approx. 23m <sup>2</sup>	24		
Alnus japonica	Inhibited	Approx. 23m <sup>2</sup>	24		
Japanese white birch	Inhibited	Approx. 23m <sup>2</sup>	24	Panasonic Product Analysis Center	4AA33-160601-F01
Artemisia	Inhibited	Approx. 23m <sup>2</sup>	24		
Olive	Inhibited	Approx. 23m <sup>2</sup>	24		
Juniper	Inhibited	Approx. 23m <sup>2</sup>	24		
Casuarina	Inhibited	Approx. 23m <sup>2</sup>	24	Panasonic Product Analysis Center	4AA33-160601-F02
Miscanthus	Inhibited	Approx. 23m <sup>2</sup>	24		
Timothy grass	Inhibited	Approx. 23m <sup>2</sup>	24		
Humulus japonicus	Inhibited	Approx. 23m <sup>2</sup>	24	Panasonic Product Analysis Center	1V332-180301-F01

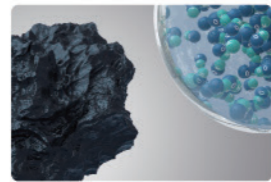
Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe<sup>™</sup>X and nanoe<sup>™</sup> inhibit activity or growth of viruses, but do not prevent infection.



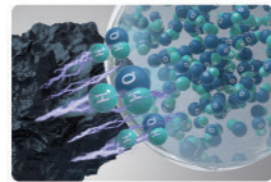
### Inhibition of hazardous substances known to be found in PM2.5

Breakdown effects of aromatic carboxylic acid (benzoic acid) and paraffin (hexadecane), harmful substances, have been verified.

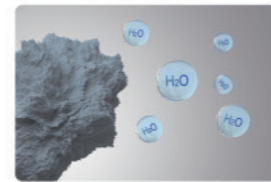
#### How nanoe<sup>™</sup>X Inhibits Hazardous Substances



nanoe<sup>™</sup>X reliably reaches hazardous substance.



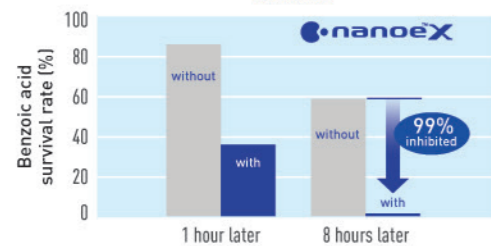
Hydroxyl radicals denature hazardous substances proteins.



Hazardous substance is inhibited.

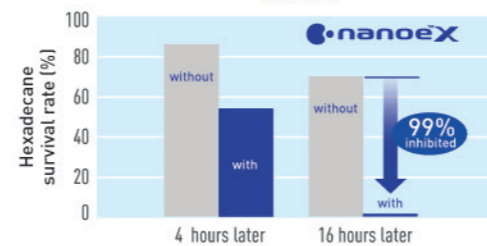
#### Aromatic Carboxylic Acid

Benzoic acid



#### Paraffin

Hexadecane



[ Representative evidence ]

\*\* : Units based on Panasonic standards

	Hazardous substances	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Pollutants	Paraffin (Hexadecane)	99% inhibited	Approx. 23m <sup>2</sup>	16	Panasonic Product Analysis Center	Y17NF089
	Aromatic carboxylic acid (Benzoic acid)	99% inhibited	Approx. 23m <sup>2</sup>	8	Panasonic Product Analysis Center	Y17NF096
Carcinogen	Benz [a] anthracene (BaA)	78% inhibited	36L	8	Panasonic Product Analysis Center	Y13NF141
	Benzo [b] fluoranthene (BbF)	79% inhibited	36L	8	Panasonic Product Analysis Center	Y13NF142
	Benzo [a] pyrene (BaP)	97% inhibited	36L	8	Panasonic Product Analysis Center	Y13NF143
	Indeno [1,2,3-cd] pyrene (IcP)	97% inhibited	36L	8	Panasonic Product Analysis Center	Y13NF144
	Dibenzo [a,h] anthracene (Dha)	81% inhibited	36L	8	Panasonic Product Analysis Center	Y13NF145

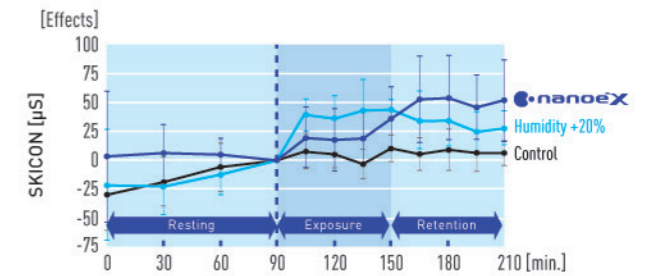
Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe<sup>™</sup>X and nanoe<sup>™</sup> inhibit activity or growth of viruses, but do not prevent infection.



### Moisturised skin, straighter & sleeker hair

nanoe<sup>™</sup>X combines with natural sebum to coat the skin, leading to smooth, well-hydrated skin. Furthermore, the abundant moisture found in nanoe<sup>™</sup>X hydrates the hair, contributing to straighter, sleeker hair.

nanoe<sup>™</sup>X achieved an improvement in skin moisture content equivalent to a 20 percentage point increase in environmental humidity.



[ Representative evidence ]

\*\* : Units based on Panasonic standards

Skin and hair	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Skin	Effective	Approx. 34m <sup>2</sup>	1	Panasonic Product Analysis Center	USG-KT-14K-012-TM
	Effective	Standard household	28 days	FCG Research Institute, Inc.	19104
Hair	Effective	Approx. 46m <sup>2</sup>	8 Hr. x 15 days	Panasonic Product Analysis Center	USD-KS-15S-009-TM

Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe<sup>™</sup>X and nanoe<sup>™</sup> inhibit activity or growth of viruses, but do not prevent infection.

### Test reports of nanoe<sup>™</sup>X

The effects of nanoe<sup>™</sup>X have been proven through experiment tests conducted by institute and laboratory. It has also been verified by the relevant authority.



Indonesia  
PT. Anugrah  
Analisis Sempurna



Singapore  
Temasek Polytechnic



Malaysia  
SIRIM Berhad



Vietnam  
Pasteur Institute



Thailand  
King Mongkut's University  
of Technology Thonburi



## Inside Cleaning

### How inside cleaning works

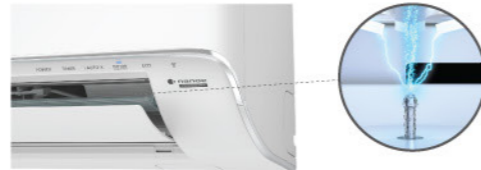
#### 1 Power "OFF"



First, the air conditioner has to be switched off.

Remark:  
Main power must be switched on for the entire duration.

#### 2 nanoe™ X runs on Fan Operation



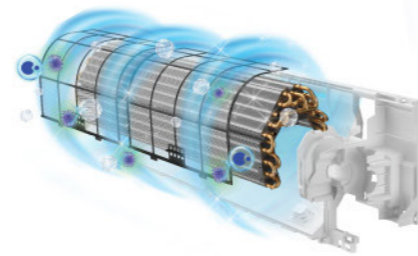
Fan Operation : ON  
Flap : Slightly open  
nanoe™ Technology LED : ON

nanoe™ X device applies high voltage to the moisture collected in the air to produce water particles that contain hydroxyl radicals.

The indoor unit will automatically run on Fan Operation for 2.5 hours during the inside cleaning process. The flap will open slightly, allowing airflow to circulate the hydroxyl radicals and perform inside cleaning within the air conditioning unit.

#### 3 Effective inhibition with hydroxyl radicals from nanoe™ X Inside Cleaning\*

nanoe™ X inhibits bacteria and viruses through the airflow route within 2.5 hours during the inside cleaning process.



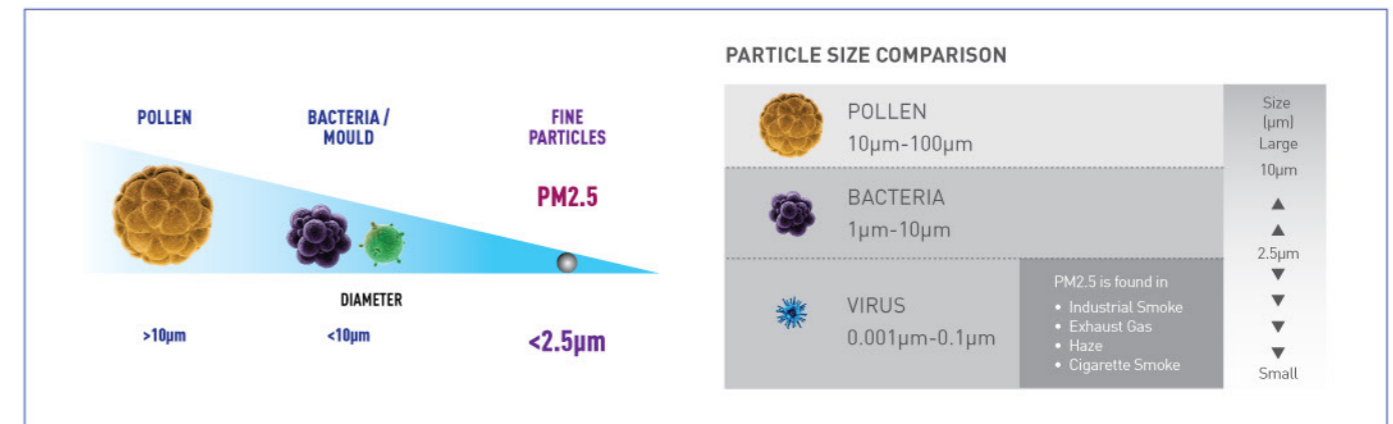
Substance Name	Target Parts	Result	Capacity	Time (Hr.)	Testing Organisation	Report No.
<b>Bacteria</b> <i>Escherichia coli</i> NBRC3301	Filter	99% inhibited [compared to non-operation]	42.8m <sup>3</sup>	2.5	Protectea,Ltd	PR190803
	Heat exchanger fin	99% inhibited [compared to non-operation]	42.8m <sup>3</sup>	2.5	Protectea,Ltd	PR190803
	Air outlet	99% inhibited [compared to non-operation]	42.8m <sup>3</sup>	2.5	Protectea,Ltd	PR191102
<b>Virus</b> <i>Escherichia coli</i> Phage QB NBRC20012	Filter	99% inhibited [compared to non-operation]	42.8m <sup>3</sup>	2.5	Protectea,Ltd	PR190803
	Heat exchanger fin	99% inhibited [compared to non-operation]	42.8m <sup>3</sup>	2.5	Protectea,Ltd	PR190803
	Air outlet	99% inhibited [compared to non-operation]	42.8m <sup>3</sup>	2.5	Protectea,Ltd	PR191102

\* Applicable to X-PREMIUM INVERTER R32 and X-PREMIUM INVERTER R410A only.



## What is PM2.5?

"Particulate matter," also known as PM is made up of a number of components including extremely small particles and liquid droplets. Sized at less than 2.5 micrometers (PM2.5), these particles are said to pose health problems as they can easily enter our lungs.

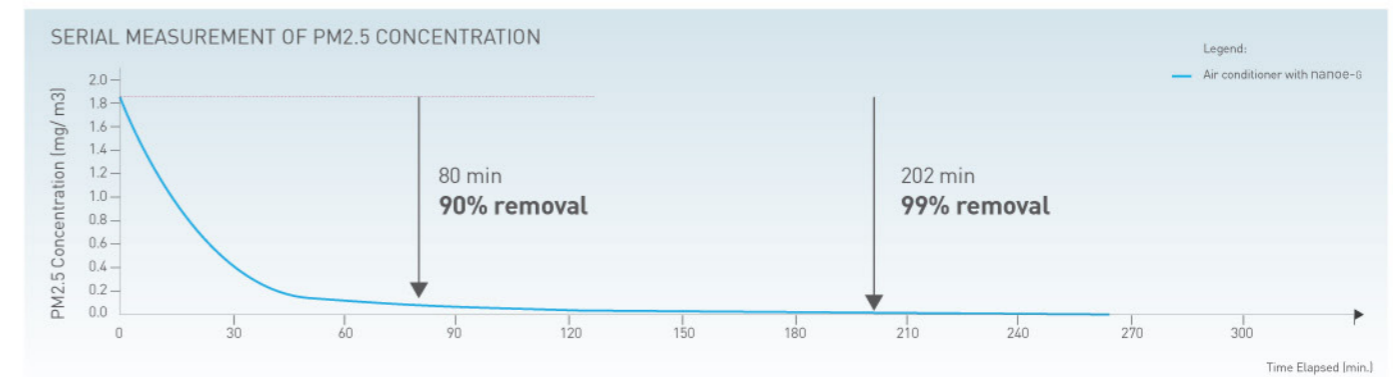


### Sources of PM2.5

PM2.5 can be found suspended in the air, including dust, dirt, smoke and liquid droplets. These fine particles come from man-made sources such as the combustion of fossil fuels, open burning and industrial processes as well as natural ones, which include sea sprays and dust carried by strong winds.



### PM2.5 Removal Efficiency Based On Time



[ Representative evidence ]

\*\* : Units based on Panasonic standards

Substances name	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Airborne <b>Cigarette smoke [as PM2.5]</b>	Removed by 99% [compared to the initial concentration]	23m <sup>3</sup>	202 mins.	FCG Research Institute, Inc.	25034

Split Type	X-PREMIUM INVERTER R32	DELUXE INVERTER R410A	STANDARD INVERTER R32	STANDARD INVERTER R410A	R410A INVERTER MULTI-SPLIT			
	WALL-MOUNTED				MINI CASSETTE	SLIM DUCTED		
<b>Cooling Models</b>	CS-XU9XKZW CS-XU12XKZW CS-XU18XKZW CS-XU24XKZW CS-XU28XKZW	CS-S9TKZW CS-S12TKZW CS-S18TKZW CS-S24TKZW CS-S28TKZ	CS-PU9WKZ CS-PU12WKZ CS-PU18WKZ CS-PU24XKZ	CS-PS9UKZ CS-PS12UKZ CS-PS18UKZ CS-PS24UKZ	CS-MXS9XKZ CS-MXS12XKZ CS-MXS18XKZ CS-MXS24XKZ	CS-S9TKZW CS-S12TKZW CS-S18TKZW CS-S24TKZW	CS-S12MB4ZW CS-S18MB4ZW CS-S24MB4ZW	CS-MS9SD3H CS-MS12SD3H CS-MS18SD3H CS-MS24SD3H
<b>COMFORT</b>								
iAUTO-X	•				(Limited Function)			
Powerful Mode		•	•	•		•	•	•
Humidity Sensor	•							
ECO Mode with A.I.	•		•		(Limited Function)			
ECONAVI		•				•		
Temperature Wave		•				•		
SLEEP	•	•	•	•	•	•	•	•
Inverter Control	•	•	•	•	•	•	•	•
Quiet Mode	•	•	•	•	•	•	•	•
Soft Dry Operation Mode	•	•	•	•	•	•	•	•
Personal Airflow Creation	•	•			•	•		
Airflow Direction Control (Up & Down)			•	•		•		
Manual Horizontal Airflow Direction Control			•	•				
<b>CLEANER AIR</b>								
nanoe™X	•				•			
nanoe-G	•	•			•	•		
Anti-Bacterial Filter				•				
Odour-Removing Function	•	•	•	•	•	•	•	•
Removable, Washable Panel	•	•	•	•	•	•	•	•
One-touch Air Filter						•		
<b>CONVENIENCE</b>								
24-Hour Dual ON & OFF Real Setting Timer	•	•	•		•	•	•	•
24-Hour ON & OFF Real Setting Timer				•			•	
LCD Wireless Remote Control	•	•	•	•	•	•	•	•
Wireless LAN Remote Control For Internet Connection	(Built-in)	(Optional)	(Optional)		(Built-in)	(Optional)		(Optional)
Wired Remote Control	(Optional)	(Optional)	(Optional)	(Optional)	(Optional)	(Optional)		
<b>RELIABILITY</b>								
Random Auto Restart (32 Restart Patterns)	•	•	•	•	•	•	•	•
Blue Fin Condenser	•	•	•	•	•	•	•	•
Long Piping (Numbers indicate the maximum pipe length)	20m (XU9/12) 30m (XU18/24/28)	15m (S9/12) 20m (S24) 30m (S18/28)	20m (PU9/12) 30m (PU18/24)	15m (PS9/12) 20m (PS24) 30m (PS18)	Refer Page 46	Refer Page 54	Refer Page 46	Refer Page 46
Top-Panel Maintenance Access	•	•	•	•	•	•	•	•
Self-Diagnostic Function	•	•	•	•	•	•	•	•

### COMFORT

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

**POWERFUL MODE**  
Press the POWERFUL mode to cool your room faster during startup to provides fast comfort with full power and a strong airflow.

**HUMIDITY SENSOR**  
Controls relative humidity below 60% for ideal sleep.

**ECO MODE WITH A.I.**  
Auto-adjusts to the optimal ECO level based on heat load conditions and air conditioning cooling capacity.

**ECONAVI**  
Detects and reduces waste for more energy savings.

**TEMPERATURE WAVE**  
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.

**SLEEP MODE**  
Delays off timer with temperature control for better sleep.

**INVERTER CONTROL**  
Varies the rotation speed of the compressor for higher energy savings.

**QUIET MODE**  
Enjoy the comfort of running your air conditioner at night for a relaxing sleep.

**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.

**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.

**AIRFLOW DIRECTION CONTROL (UP & DOWN)**  
Vertical airflow patterns can be controlled with operation by remote, even from a distance.

**MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL**  
Horizontal airflow patterns can be manually adjusted.

### CLEANER AIR

**nanoe™X**  
nanoe™X effectively deodorises and inhibits, for a fresher and cleaner living space.

**nanoe-G**  
nanoe-G works effectively on removing dust particles as small as PM2.5.

**ANTI-BACTERIAL FILTER**  
The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacteria 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. 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 as making the unit easy to clean.

**ONE-TOUCH AIR FILTER**  
Easy to dismantle the filter by one touch.

### 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.

**24-HOUR ON & OFF REAL SETTING TIMER**  
The exact operating time (hour and minute) of the air conditioner can be set in advance. From here on, the unit will operate in accordance to these preset hours every day until the system is reset.

**LCD WIRELESS REMOTE CONTROL**  
Easy control of the unit from anywhere in the room.

**Wireless LAN REMOTE CONTROL FOR INTERNET CONNECTION**  
Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.

**WIRED REMOTE CONTROL**  
Control at the unit from fixed location where wired remote controller is installed.

### RELIABILITY






















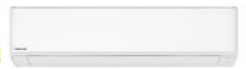






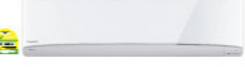
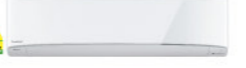
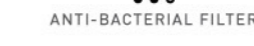




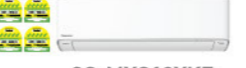

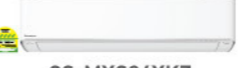




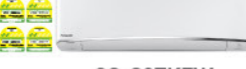


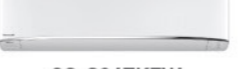















**RANDOM AUTO RESTART**  
When multiple units are connected and there is a power outage, they will turn on at different times in order to not spike the power supply.

**BLUE FIN CONDENSER**  
Extra protection from the elements with a longer lasting coil.

**LONG PIPING**  
Long piping offers more flexible installation options.

**TOP-PANEL MAINTENANCE ACCESS**  
Easy access for maintenance.

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

Horse Power (HP)	1.0HP	1.5HP	2.0HP	2.5HP	3.0HP	Features			
Capacity (Btu/h)	9,000	12,000	18,000	24,000	28,000				
<b>WALL-MOUNTED</b> <b>X-PREMIUM INVERTER R32 SINGLE-SPLIT</b> Page 34-35	 <b>CS-XU9XKZW</b> [CU-XU9XKZ]	 <b>CS-XU12XKZW</b> [CU-XU12XKZ]	 <b>CS-XU18XKZW</b> [CU-XU18XKZ]	 <b>CS-XU24XKZW</b> [CU-XU24XKZ]	 <b>CS-XU28XKZW</b> [CU-XU28XKZ]	 nano X Generator Mark 2			
<b>WALL-MOUNTED</b> <b>DELUXE INVERTER R410A SINGLE-SPLIT</b> Page 36-37	 <b>CS-S9TKZW</b> [CU-S9TKZ]	 <b>CS-S12TKZW</b> [CU-S12TKZ]	 <b>CS-S18TKZW</b> [CU-S18TKZ]	 <b>CS-S24TKZW</b> [CU-S24TKZ]	 <b>CS-S28TKZ</b> [CU-S28TKZ]				
<b>WALL-MOUNTED</b> <b>STANDARD INVERTER R32 SINGLE-SPLIT</b> Page 38-39	 <b>CS-PU9WKZ</b> [CU-PU9WKZ]	 <b>CS-PU12WKZ</b> [CU-PU12WKZ]	 <b>CS-PU18WKZ</b> [CU-PU18WKZ]	 <b>CS-PU24XKZ</b> [CU-PU24XKZ]					
<b>WALL-MOUNTED</b> <b>STANDARD INVERTER R410A SINGLE-SPLIT</b> Page 40-41	 <b>CS-PS9UKZ</b> [CU-PS9UKZ]	 <b>CS-PS12UKZ</b> [CU-PS12UKZ]	 <b>CS-PS18UKZ</b> [CU-PS18UKZ]	 <b>CS-PS24UKZW</b> [CU-PS24UKZ]					
<b>WALL-MOUNTED</b> <b>X-PREMIUM INVERTER R410A MULTI-SPLIT</b> Page 43-51	 <b>CS-MXS9XKZ</b> [CU-2XS20UKZ], [CU-3XS27UKZ], [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-MXS12XKZ</b> [CU-2XS20UKZ], [CU-3XS27UKZ], [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-MXS18XKZ</b> [CU-3XS27UKZ], [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-MXS24XKZ</b> [CU-4XS30UBZ], [CU-4XS34UBZ]					
<b>WALL-MOUNTED</b> <b>DELUXE INVERTER R410A MULTI-SPLIT</b> Page 52-58	 <b>CS-S9TKZW</b> [CU-2S18PKZ], [CU-3S27VKZ], [CU-3S27KKZ], [CU-4S27VKZ]	 <b>CS-S12TKZW</b> [CU-2S18PKZ], [CU-3S27VKZ], [CU-3S27KKZ], [CU-4S27VKZ]	 <b>CS-S18TKZW</b> [CU-3S27VKZ], [CU-3S27KKZ], [CU-4S27VKZ]	 <b>CS-S24TKZW</b> [CU-3S27VKZ], [CU-4S27VKZ], [CU-3S27KKZ], [CU-4S27VKZ]					
<b>MINI CASSETTE</b> <b>MINI CASSETTE INVERTER MULTI-SPLIT</b> Page 43-58		 <b>CS-S12MB4ZW</b> [CU-3S27KKZ], [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-S18MB4ZW</b> [CU-3S27KKZ], [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-S24MB4ZW</b> [CU-3S27KKZ], [CU-4XS30UBZ], [CU-4XS34UBZ]					
<b>SLIM DUCTED</b> <b>SLIM DUCTED INVERTER MULTI-SPLIT</b> Page 43-51	 <b>CS-MS9SD3H</b> [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-MS12SD3H</b> [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-MS18SD3H</b> [CU-4XS30UBZ], [CU-4XS34UBZ]	 <b>CS-MS24SD3H</b> [CU-4XS30UBZ], [CU-4XS34UBZ]					

NOTES

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---