

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 January 2020.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.



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

Authorised Dealer



Panasonic Global Air Conditioner

Global Site : aircon.panasonic.com

PROClub : panasonicproclub.global

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

Panasonic Customer Care Center

Ortigas Avenue Extension, Taytay, Rizal, 1920 Philippines

Tel. No. : (02) 706-7603

Fax. No. : (02) 706-7612

Email : pmpe_csdcl@ph.panasonic.com

Text hotline : Panasonic<space>message send to 2327 (Globe user)

Panasonic<space>message send to 0917-8902327 (Non-Globe user)

Website : www.panasonic.com/ph



Panasonic Philippines



@PanasonicPH

AC-PHP-C-20

Panasonic

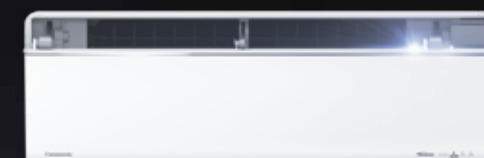
RESIDENTIAL AIR CONDITIONERS 2020/2021



Built-in Independent Air Purifier
Only 25W/hour with cooling OFF



Control at Home/Away



ELITE INVERTER
SKY SERIES



PREMIUM INVERTER
AERO SERIES



SKYWING

AEROWINGS



A Better Life, A Better World

QUALITY AIR FOR LIFE

INDEX

02 - 03

Quality Air For Life

04 - 05

Indoor Air Quality Issues

06 - 07

Quality Air Solutions for Homes

08 - 09

Air Solutions for Living Room + Dining Room

10 - 11

Air Solutions for Bedroom

12 - 13

Air Solutions for Study Room

14 - 23

Air Purification - nanoe™ Technology

What is nanoe™ Technology

Effects of nanoe™ Technology

24hr Air Purification

Why nanoe™ Technology

24 - 25

Air Connectivity - Panasonic Comfort Cloud App

Wireless LAN Remote Control

for Internet Connection

26 - 27

Air Flow

SKYWING / AEROWINGS / Big Flap

28 - 30

Air Efficiency

ECO Mode with A.I. / Inverter / R32

31

Durability

32 - 67

Product Line-Up

Technical Explanation

Features Comparison

Features Explanation

Model Line-Up

QUALITY AIR FOR LIFE

Clean air is essential for healthy living.

At Panasonic, we are constantly bringing innovation that will enrich the lives of people around the world in health, comfort and wellness.

As part of our commitment to deliver Quality Air for Life, Panasonic is providing a wide range of Professional Air Solutions for different applications based on the 4 vital categories.



Air Conditioning



Air Purification



Air Connectivity

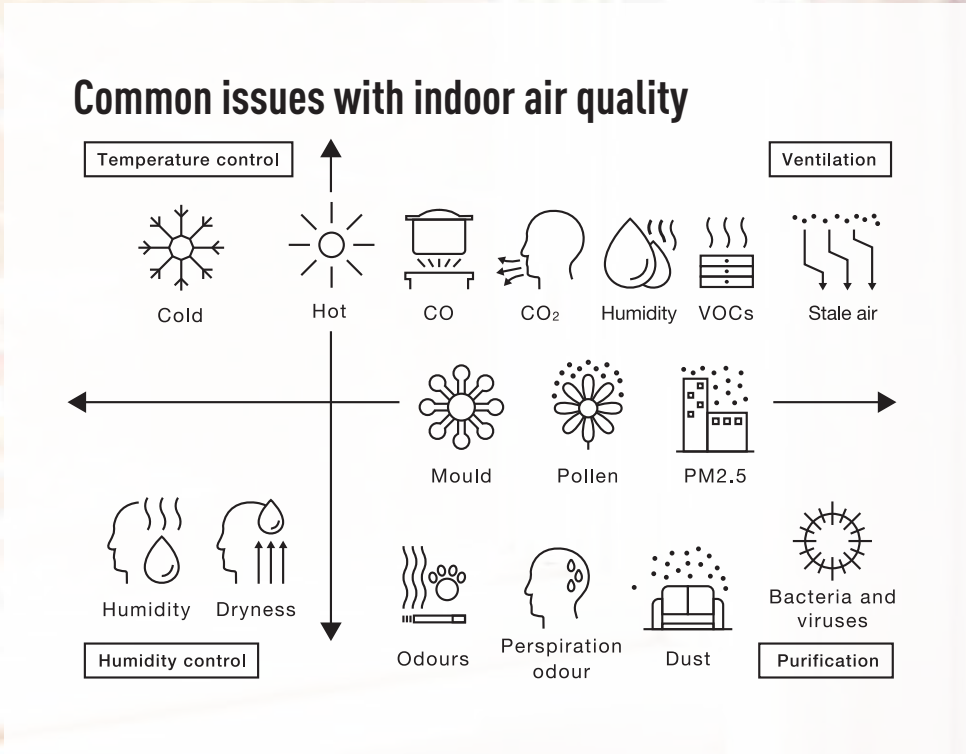


Air Ventilation

We improve the Quality of Air,
so you can improve the Quality of Life.

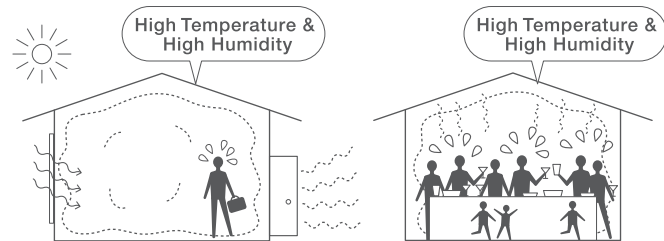
Awareness of Indoor Air Quality Issues

Pollutants from the outside often flow into our homes unnoticed, making indoor air quality a more serious issue than we realise.



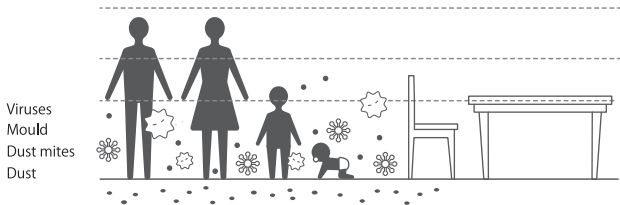
Living Room

Do you experience hot stagnated air when you reach home?
Do you feel uncomfortable in a living room full of people when you are having a party?



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

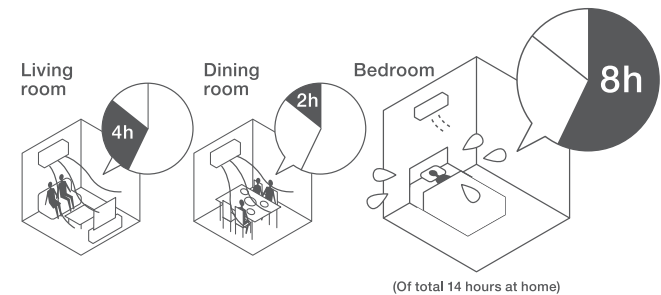
Does the difference in height between children and adults make a difference in their health?



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

Bedroom

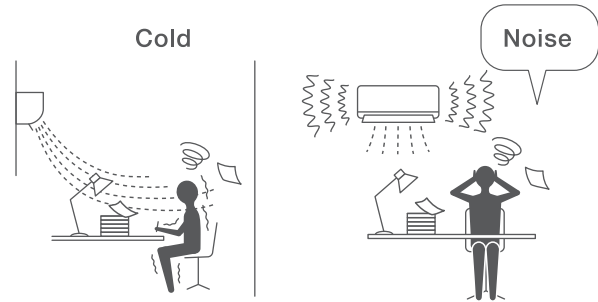
On average, which room do people spend the most time at home?



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

Study Room

Do your children have trouble focusing on their studies in their room?

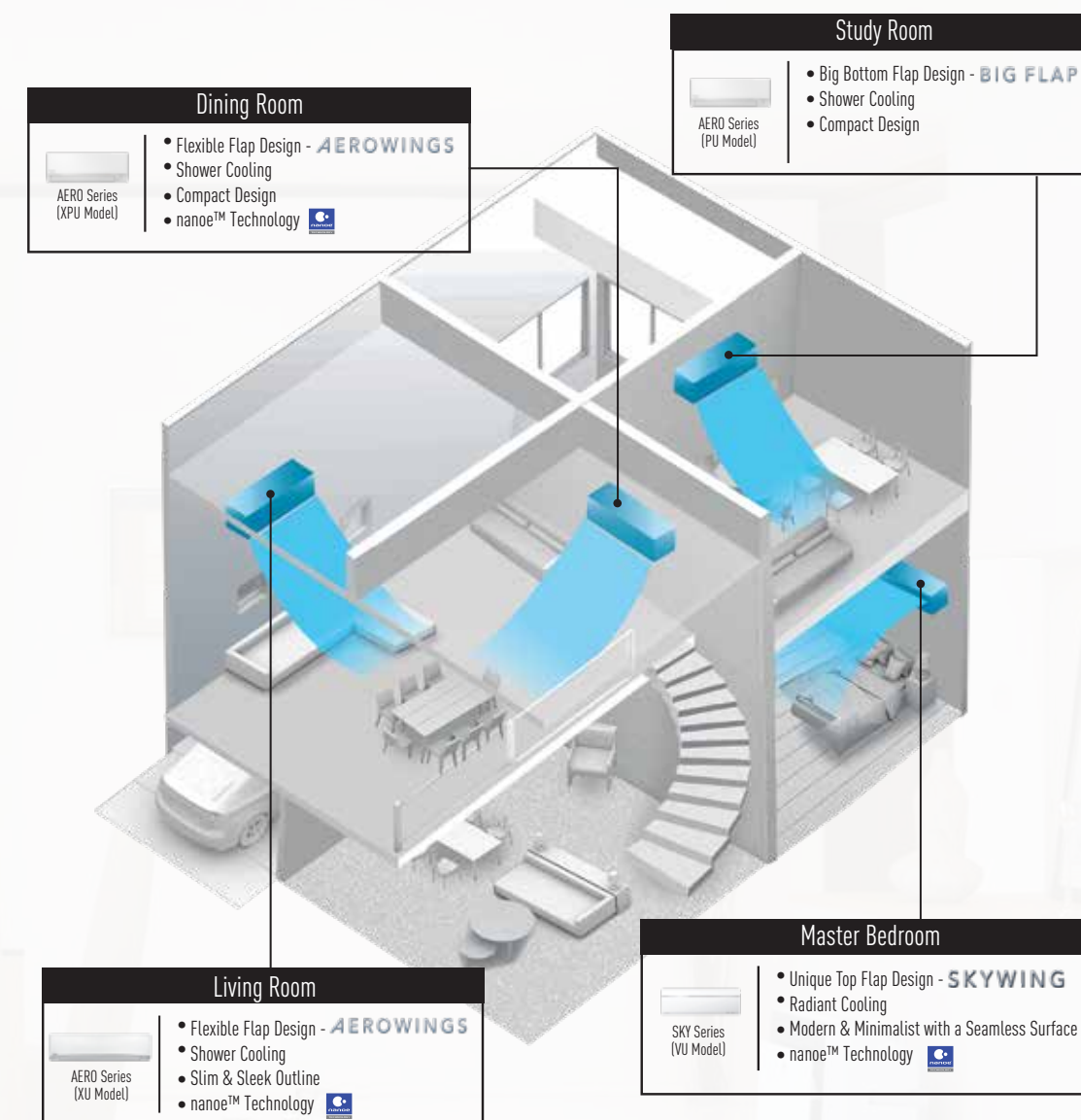


Concentration is disrupted by loud operating noises and they may feel colder in smaller rooms.

Quality Air Solutions for Homes

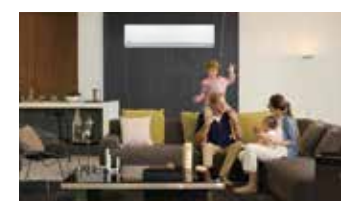


Our range of Air Solutions can be applied to different rooms in your home, each for different purposes, turning your living space into the one that keeps you and your family comfortable and healthy.



Panasonic Air Solutions are designed to provide quality air that helps people live more comfortably. We are introducing a full range of air solutions that is optimised for diverse lifestyles and various occasions.

Delivering comfort, health and better well-being through Quality Air for Life.



Living Room



Dining Room



Master Bedroom



Study Room

Quality time in the heart of the home



Air Solutions for Living Room + Dining Room

Air Purification



Clean air

- Removes dust particles (PM2.5) that are brought in by guests.



A clean space for fun playtime

- Inhibits bacteria and viruses that are commonly found in your home so that children can explore freely.



Fresh social space

- Reduces lingering food smells and other strong odours such as pet odour and tobacco.

Air Flow



Fast and direct cooling for social occasions

- Fast Cooling at start up to cool everyone instantly.



Gentle and even cooling when there are less occupants

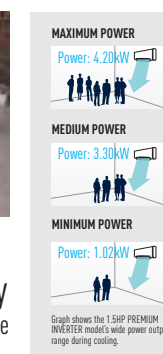
- AEROWINGS automatically switch to Shower Cooling when set temperature is reached to prevent overcooling.

Air Efficiency



Wide power output range to meet different room occupancy

- Enjoy a balanced comfort with a wide range of power output from 1.02kW to 4.20kW.

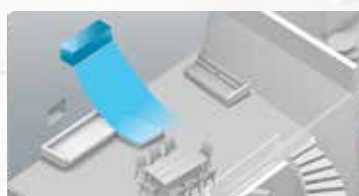


Automatically adjusts temperature with precise temperature control

- Inverter varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature.

Installation

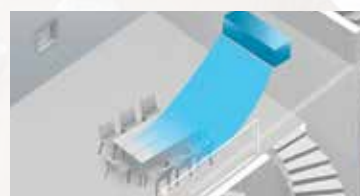
Living Room + Dining Room



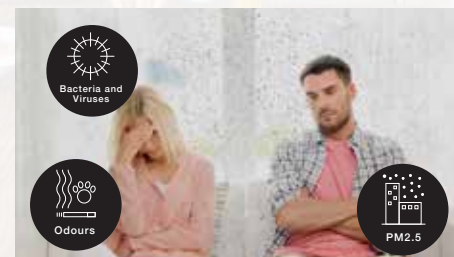
3.0HP PREMIUM INVERTER Single-Split Type



Dining Room



1.5HP DELUXE INVERTER Single-Split Type



Stuffy and contaminated social space

- Feeling uncomfortable in a crowded living room with guests bringing in dust and contaminants from the outside.

Air Connectivity*



Keep loved ones comfortable when you are away from home

- Comfort Cloud App lets you have full control of indoor air quality from your mobile device.



Easily pre-cool and monitor room temperature from anywhere

- Pre-cool your space and monitor real-time temperature when you are away.

* Wireless LAN Remote Control for Internet Connection (optional network adaptor) applicable for ELITE INVERTER, PREMIUM INVERTER, DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.0HP).

Enjoy restful sleep and wake up refreshed

Installation

Master Bedroom

2.0HP ELITE INVERTER Single-Split Type

SKY Series (VU Model)

nanoe SKYWING

AutoX INVERTER

XTRA QUIET (CS-VU9UKQ) (Optional)

Kid's Room

1.5HP PREMIUM INVERTER Single-Split Type

AERO Series (XU Model)

nanoe AEROWINGS

AutoX INVERTER

XTRA QUIET (CS-VU9UKQ) (Optional)



Polluted air and contaminants on surfaces in your comfort zone

- Harmful pollutants in the room may cause difficulty in sleeping.

Air Solutions for Bedroom

Air Purification



Cleaner room for better sleep

- Removes dust particles (PM2.5) in the air for better sleep.



Fresh sheets and linens

- nanoe™ X deeply penetrates into fabrics to deodorise and inhibit harmful pollutants.



Sleep with air that retains moisture

- nanoe™ X moisturises skin and contribute to straighter, sleeker hair.

Air Flow



A healthier way to enjoy cooling comfort

- Healthy airflow in the bedroom where you spend most of your time resting.



Deep rejuvenating sleep

- Radiant Cooling provides all-round cooling with stable temperature, preventing overcooling for better sleep quality.

Air Efficiency



Comfortable sleep with stable temperature

- Inverter minimises temperature fluctuations for consistent cooling throughout the room.



Uninterrupted sleep with quiet operation

- Inverter operates quietly with precise temperature control.

Air Connectivity*



24 hours of purified air in your bedroom

- Switch ON nanoe™ mode to continuously purify your bedroom without cooling function to keep bedroom clean and fresh at all times.



Switch ON/OFF all air conditioners at once

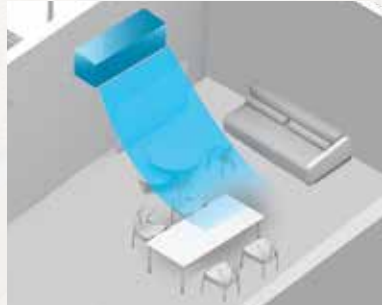
- Remotely switch ON/OFF your air conditioning units in different rooms simultaneously before you go to bed.

* Wireless LAN Remote Control for Internet Connection (optional network adaptor) applicable for ELITE INVERTER, PREMIUM INVERTER, DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.0HP).

Focus better to achieve more

Installation

Study Room



1.OHP DELUXE INVERTER Single-Split Type

AERO Series (XPU Model)

nanoe X AEROWINGS

INVERTER ECO+AI (Optional)

OR

1.OHP STANDARD INVERTER Single-Split Type

AERO Series (PU Model)

BIG FLAP INVERTER ECO+AI (Optional)



Poor air quality causes lack of focus

- Uncomfortable study environment causes you to feel lethargic and unproductive.

Air Solutions for Study Room

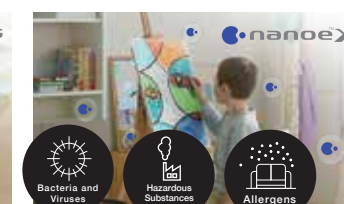
Air Purification*



Clean study room with minimal dust (PM2.5)

- Removes dust particles (PM2.5) by capturing and trapping them at the filter.

*Applicable to DELUXE INVERTER only.



Maintaining a healthier study environment

- Study and focus better in a room that is safe from bacteria and allergens, keeping illnesses at bay.



Fresh air for an ideal study space

- Reduces strong odours that linger such as pet odour and sweat odour.

Air Flow



Comfortable environment for learning

- Cool air showers down gently and evenly across the room prevents overcooling for better concentration.



Book storage stays pleasantly dry

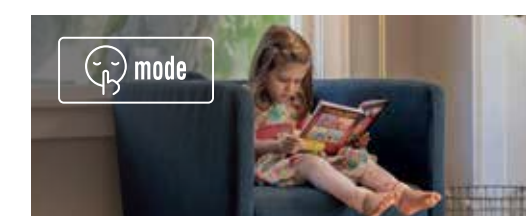
- Switch on 'Dry Mode' to control humidity.

Air Efficiency



Optimal comfort in your study space with more energy savings

- ECO Mode with A.I. learns and adapts to your environment based on heat load conditions and air conditioning capacity to maximise energy savings.



Minimal distractions to stay focused

- Quiet Mode ensures low noise levels for a cool and peaceful study room atmosphere.

Air Connectivity*



Fresh and purified air at all times

- Monitor air quality with ease and activate the nanoe™ mode using Panasonic Comfort Cloud App.



Easily adjust temperature via mobile device

- Remotely control temperature even when you are away from home.

* Wireless LAN Remote Control for Internet Connection (optional network adaptor) applicable for ELITE INVERTER, PREMIUM INVERTER, DELUXE INVERTER and STANDARD INVERTER (1.OHP-2.OHP).



24hrs Quality Air Purifies with Cooling ON/OFF

The new Panasonic Air Conditioner with nanoe™ Technology features an independent air purification function that can address various types of pollutants in the air as well as on surfaces especially fabrics.

The water-based nanoe™ X particles can effectively reduce strong odours and inhibit harmful pollutants like bacteria and viruses, mould, allergens, pollen and hazardous substances. The nanoe™ X particles can even moisturise skin and hair.

nanoe-G with negative ions can effectively remove dust particles as small as PM2.5.

Thus, ensuring your loved ones enjoy better indoor air quality at all times.

Deodorises	Inhibits 5 Types of Pollutants	Moisturises	Dust Removal (PM2.5)
Odours	Bacteria & Viruses	Skin & Hair	Dust (PM2.5)
	Mould		
	Allergens		
	Pollen		
	Hazardous Substances		

nanoeX™ Deodorises and inhibits various pollutants in the air and on surfaces, even in fabrics.

nanoe-G



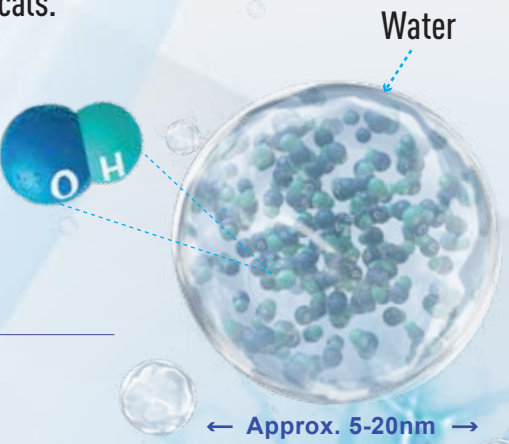
What is nanoe™ ?

nanotechnology + electric = nanoe™

nanoe™ is nano-sized electrostatic atomised water particles that are rich in OH radicals.

Water-based particles for lasting effectiveness

nanoe™ X has lasting effectiveness as it is enveloped in water.

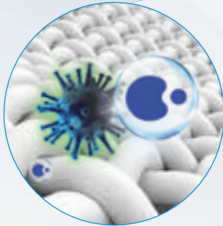
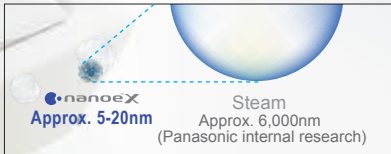


Huge quantity of OH radicals throughout the room

nanoe™ X device generates 4.8 trillion OH radicals per second that spread out extensively to every corner of your home.

Tiny, nano-sized particles penetrate into fabrics easily

Much smaller than a steam particle, nanoe™ X particles sized 5-20nm can deeply penetrate into fabrics to inhibit pollutants and deodorise.



Deodorises



Fresh Space,
Quality Time



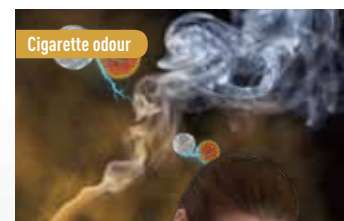
Inhibits 5 Types of Pollutants



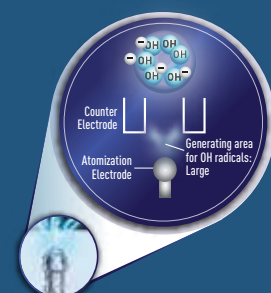
Inhibits Pollutants,
Loved Ones Protected



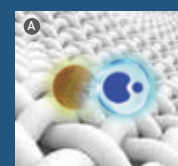
Discomfort caused by various types of odours



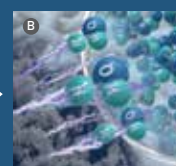
How nanoeX works



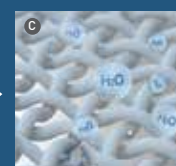
The latest nanoe™ X device uses a "multi-leader discharge" system that discharges through 4 needle-shaped electrodes for better performance.



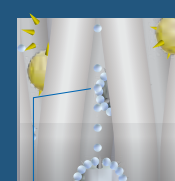
nanoe™ X reaches odour in fabric



OH radicals break down odour-causing substances



Deodorises smells in fabric



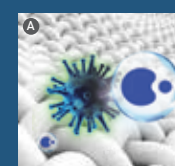
Steam particles
Particles are large and cannot penetrate deep into fibres.



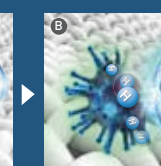
Effectively penetrates deep into fibres.
Size: approx. 5-20nm



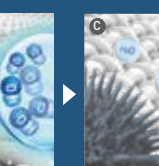
Enclose and inhibit pollutants (bacteria & viruses, mould, allergens, pollen and hazardous substances).



nanoe™ X reaches pollutants in fabrics

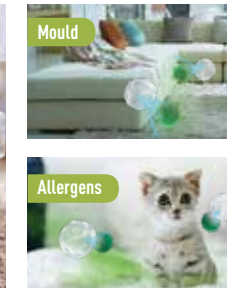


OH radicals take hydrogen away from pollutants



OH radicals transform hydrogen to inhibit the activity of pollutants

Harmful pollutants affect your health



Reduces frequently encountered odours

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

Inhibits airborne and adhered pollutants

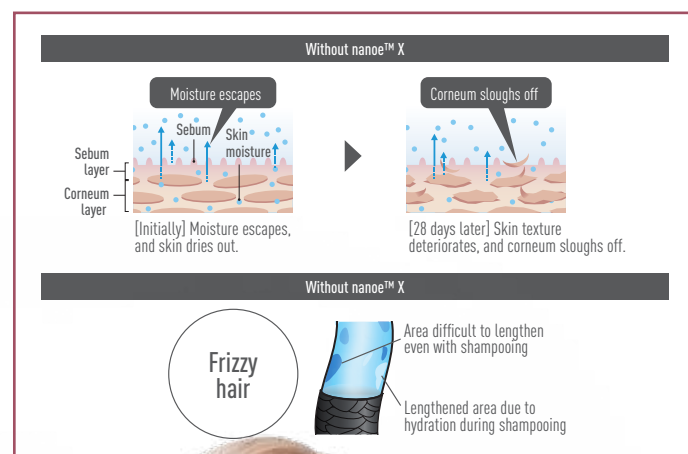
nanoe™ X inhibits harmful pollutants, keeping your loved ones away from allergies or diseases.

Moisturises



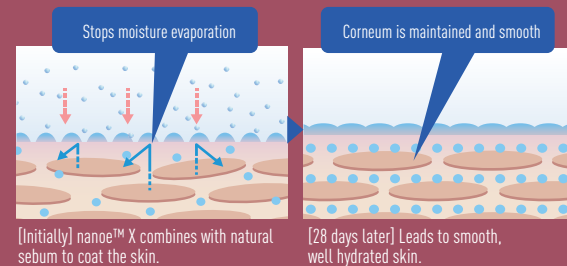
Moisturises Skin & Hair, Stay Refreshed

Insufficient moisture in skin and hair

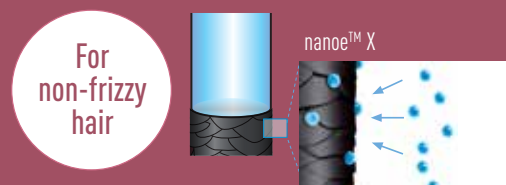


How nanoe™ X works

Maintain skin moisture



Maintain straighter, smoother hair



Helps the hair achieve a proper moisture balance, making for shiny hair that reflects light and allows fingers to be run through it smoothly.

Moisture retained in skin and hair

nanoe™ X water particles helps to achieve proper moisture balance, resulting in smooth, hydrated skin and hair.

Dust Removal (PM2.5)

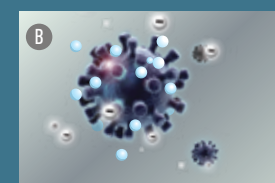


Purified Air, Easy Breathing

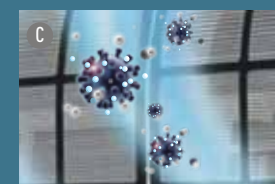
How nanoe-G works



nanoe-G ion generator releases negative ions.



Negative ions attach to dust particles.



These particles are being carried back and trapped at the filter.

Dust particles (PM 2.5) can cause diseases



Removes dust particles as small as PM2.5

Negative ions are released to capture dust particles (PM2.5). These particles are carried back and trapped at the filter.

Actively purifies your air and inhibits pollutants all day long



PURIFY
WITH
COOLING
OFF
LOW ENERGY
CONSUMPTION

Only at 25W/Hour*

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



Purifies
Home
24 hrs

Maintenance-Free

No maintenance required for nanoe™ X generator device.



Return to a fresh smelling home every time



Leave nanoe™ mode ON to deodorise, inhibit pollutants and remove dust particles (PM2.5).

Cleaner and comfortable space for loved ones

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

Purify independently when you are away

Cool and purify when you are at home



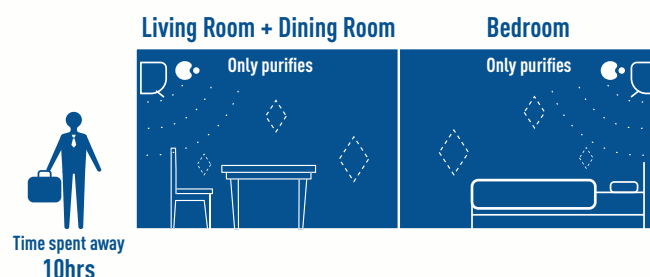
Step 1:

Turn ON air conditioner with Panasonic Comfort Cloud App

Step 2:

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

* Energy consumption may vary depending on models.

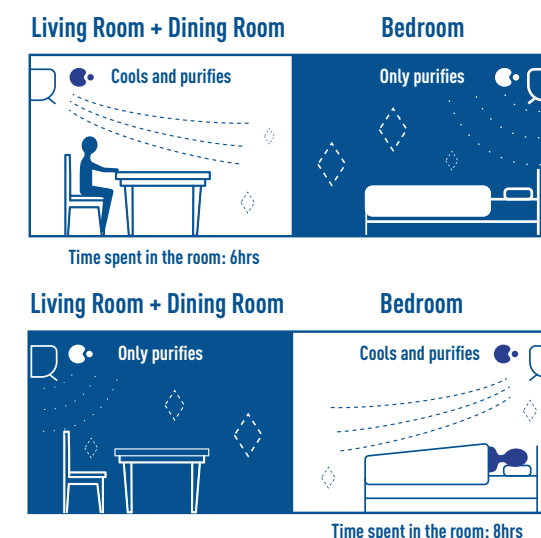


Step 1:

Turn OFF air conditioner

Step 2:

Turn ON nanoe™ mode





Panasonic's Advanced Air Purification System

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

The effects of nanoe™ Technology are recognised by experts in each field

Inhibits Mould, Bacteria and Viruses



**Professor
Masafumi Mukamoto**

Osaka Prefecture University
Veterinary Infectious Disease Studies

Various types of moulds enter houses along with people and air. Even if preventive action is taken in our everyday lives, it is often very difficult to inhibit the growth of mould, especially in humid environments. With nanoe™ X, we have experimental results^{*1} that show we can inhibit the growth of the types of mould commonly found in various places in the house. As nanoe™ X is also capable of inhibiting invisible bacteria and viruses that exist in our living environment, we can expect it will deliver a clean environment. I recommend that equipment incorporating nanoe™ X technology be placed in buildings where cleanliness is required, such as in schools, childcare facilities and medical institutions.**

^{*1} Experimental results show that nanoe™ X is effective in inhibiting the growth of the following types of mould commonly found in homes: Cladosporium, Aspergillus, Penicillium, Alternaria, Fusarium, Eurotium, Mucor, and Stachybotrys.

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

Inhibits Allergens



**Professor
Masahiro Sakaguchi**

Azabu University School of Veterinary
Medicine Department of Veterinary Medicine

We have experimental results that show nanoe™ X is capable of inhibiting allergens, such as pollen and dust mites. It is important to take precautions against the allergens that we inadvertently inhale in our daily lives. As nanoe™ X is effective in inhibiting invisible allergens, we can expect it will create a cleaner environment. As the safety of nanoe™ X has also been verified, nanoe™ X gives peace of mind to families with small children.**

Why nanoe™ Technology?



Operates with Fan Mode.
Low Power Consumption at only
25W/Hour = LED Light Bulb

24 hrs

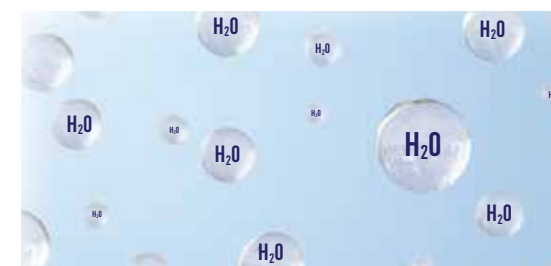
Purifies your air all day

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



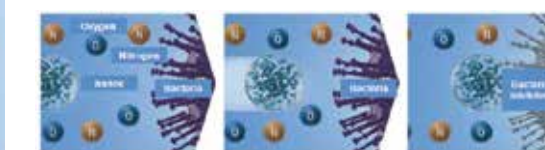
Asthma and allergy friendly

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



Natural H₂O particles

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



Lasts more than 600 secs in the air

Longer life span of nanoe™ X particles

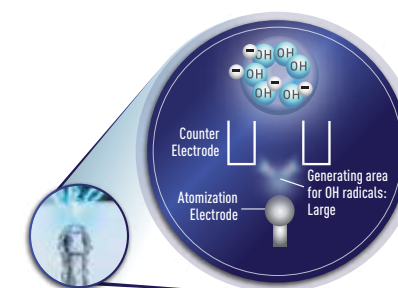
- 6-fold* longer lifespan enables OH radicals to reach a greater area.

*The lifespan of general air ions (negative ions) ranges from the tens of seconds to 100 seconds



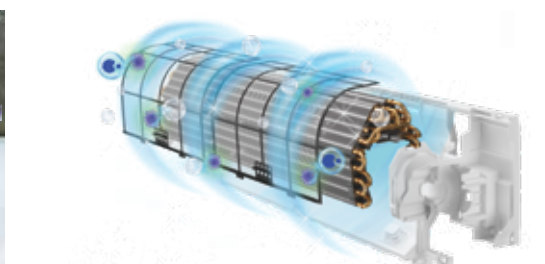
Effective on fabrics and surfaces

- nanoe™ X particles deodorise and inhibit pollutants on surfaces and even penetrate deeply into fabrics.



Maintenance-free

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



Inside Cleaning

- nanoe™ X inhibits bacteria and viruses at the filter, heat exchange fin and air outlet during inside cleaning process.

*Applicable to DELUXE INVERTER only.



Safe and non-chemical particles

- Safety of nanoe™ X has been tested and proven by institutes and laboratories. Visit our website for a list of safety test data.
<https://www.panasonic.com/global/corporate/technology-design/technology/nanoe.html>

Air Connectivity

Convenient Centralised Solutions



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

Remotely Control Air Conditioners for **Home Usage**



The Smarter Way to Bring Convenience to Your Living Space



Living Room



Bedroom



Study Room

and Businesses



KTVs



Spa



Tuition Centre



Restaurants



Smartify Your Air

Applicable for Residential Properties and Premises

Smart Control

Control Multiple AC Units in 1 Location

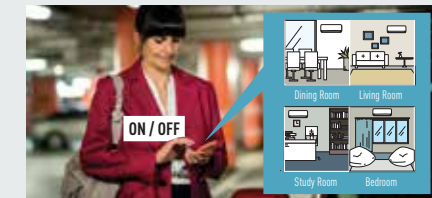


Control Multiple Units in Multiple Locations



Smart Comfort

Remotely Access All AC Features



Activate 24hours Air Purification



Pre-cool Spaces

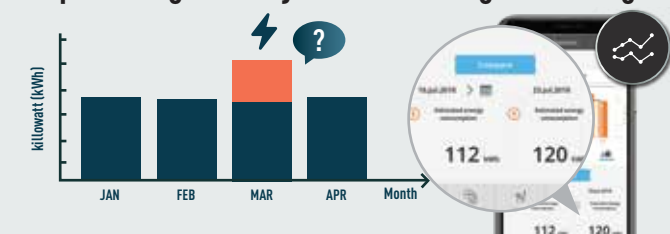


Smart Efficiency

Analyse Energy Usage Patterns

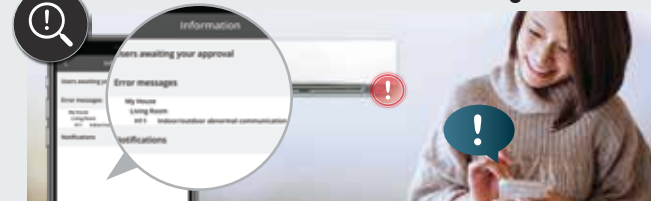


Compare Usage History for Better Budget Planning



Smart Assist

Effortless Troubleshooting



Assign Other Users While You Are Away



Compatible Device and Browsers

- iOS 9.0 or above
- Android 4.4 or above



Video for setting up Panasonic Comfort Cloud Application for network adaptor:



Optional Network Adaptor

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

* Wireless LAN Remote Control for Internet Connection (optional network adaptor) applicable for ELITE INVERTER, PREMIUM INVERTER, DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.0HP).

Healthier cooling with faster, further airflow

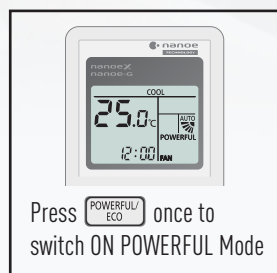
Panasonic's air solutions deliver cooling comfort that adapts to you and your family's lifestyle in a healthier way.



NEW POWERFUL Mode for Instant Cooling Comfort

Enjoy faster cooling with just a push of a button

- POWERFUL Mode will run both the compressor and indoor fan at super high speed, so you get to enjoy powerful cooling.



POWERFUL cooling at startup

- POWERFUL Mode cools your room faster by 18%* the moment you switch on your air conditioner.
- Enjoy cooling comfort instantly, even on a hot day.



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

POWERFUL Cool Mode:
 POWERFUL Mode, Outside temperature : 35°C/24°C
 Remote setting temperature : 25°C, with Fan Speed: Powerful.
 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 : 16.6m²)
 The effect differs according to conditions in installation and usage.

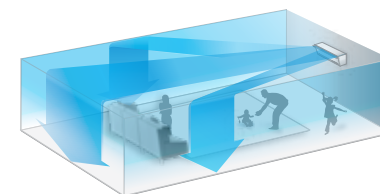
Normal Cool Mode:
 Cool Mode, Outside temperature : 35°C/24°C
 Remote setting temperature : 25°C, with Fan Speed: High.
 Horizontal Airflow direction : Middle
 Vertical Airflow direction : Straight

* Applicable to DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.0HP).

SKYWING

Wider Cooling Coverage

Ensuring every corner of the room is cooled.



WIDER AIRFLOW
increased to 12 vanes



FURTHER AIRFLOW
53% bigger vane size



Previous 32.5mm 10 vanes

53% Bigger

New 68.7mm 12 vanes

- Bigger vanes for evenly distributed cooling sensation across the room.



Radiant Cooling

- Wider top airflow cools the ceiling and walls for an all-round cooling.



Fast Cooling

- Instant cooling with high-powered Inverter Compressor Technology, iAUTO-X.

Radiant Cooling Airflow Assessment



Airflow Smoke Test

SKYWING directs the airflow upwards to cool the ceiling and walls.

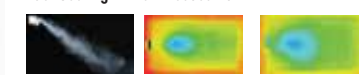
Temperature Distribution Test

Heat is removed from the ceiling and walls with an all-round cooling effect.

Bottom Air Intake

Hot air is drawn in from the bottom, and cool air is discharged from the top.

Fast Cooling Airflow Assessment



Airflow Smoke Test

SKYWING directs airflow downwards and towards you for instant cooling.

Temperature Distribution Test

Conventional Cooling
Slow cooling will result in uneven cooling.

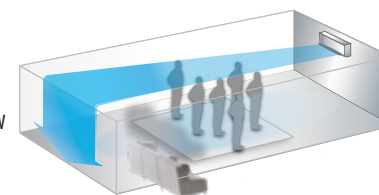
Fast Cooling

Powerful airflow cools room evenly.

AEROWINGS

Concentrated Airflow, Further

Further and faster airflow across the room.



Concentrated Airflow, Further, Faster



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

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



Shower Cooling

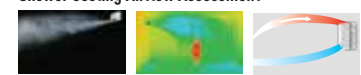
- Shower airflow spreads fast, cool and concentrated air across room and to the wall, then showers down gently.



Fast Cooling

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

Shower Cooling Airflow Assessment



Airflow Smoke Test

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

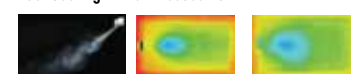
Temperature Distribution Test

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

Top Air Intake

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

Fast Cooling Airflow Assessment



Airflow Smoke Test

AEROWINGS directs airflow downwards and towards you for instant cooling.

Temperature Distribution Test

Conventional Cooling
Slow cooling will result in uneven cooling.

Fast Cooling

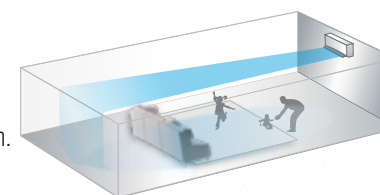
Concentrated airflow cools instantly. A room is evenly cooled.

*Design may vary according to models.

BIG FLAP

Long Airflow

Big bottom flap directs cool air across the room.



Shower Cooling

- Cool air is directed upwards to spread across room and showers down gently.



Fast Cooling

- BIG FLAP directs airflow downwards and straight to room occupants for a fast cooling effect.

Air Efficiency

Eco-friendly Technologies

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

NEW **ECO+A.I.** | **INVERTER**

NEW **ECO+A.I.**

Intelligently Balances Energy Savings And Comfort

The new Panasonic ECO Mode with Artificial Intelligence (A.I.) Control learns about your room environment. Energy saving is maximised in each room's environment as it auto-adjusts to the optimal ECO level based on heat load conditions and air conditioning capacity.



Automatically adapts to your home and maximises energy savings

As each room in your home is different, ECO Mode with A.I. Control efficiently cools your room based on the amount of heat load contained. 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

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

- Press **POWERFUL ECO** once to switch ON **POWERFUL** mode.
- Press **POWERFUL ECO** 2nd time to switch ON **ECO** mode.
- Press **POWERFUL ECO** 3rd time to cancel/ switch OFF ECO mode.



When Your Air Conditioner is Switched On



Scenario 1 - Daytime with sunlight in a big, warm room

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



Scenario 2 - Night time with cool breeze

- 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



***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

Total power consumption amount is measured for 1 hour under stable operation.
At Panasonic Amenity Room (Size : 13.3m²)
The effect differs according to conditions in installation and usage

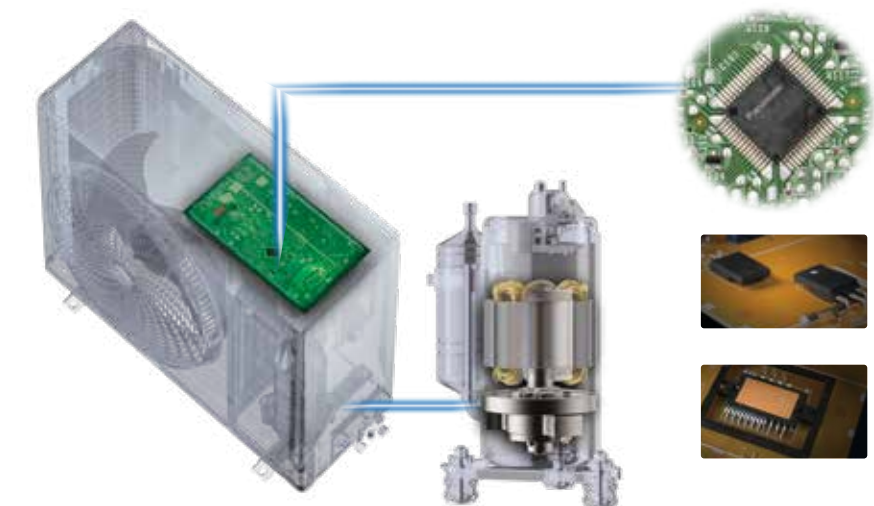
Normal Mode:
Normal Mode, Outside temperature : 35°C/24°C
Remote setting temperature : 25°C, with Fan Speed: High
Horizontal Airflow direction : Middle
Vertical Airflow direction : Straight

* Applicable to DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.0HP).

Inverter Technology

Energy Saving and Precise Temperature Control

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



The "BRAIN" of the Inverter - The Micro Computer

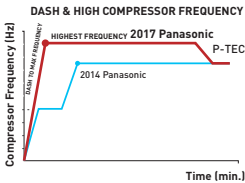
Determines the most suitable operation mode as time passes and automatically adjusts power output for maximum comfort.

PAM (Pulse Amplitude Modulation)

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

PWM (Pulse Width Modulated Wave)

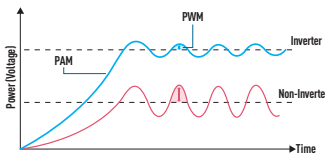
Stabilises the compressor rotation speed when maintaining the set temperature.



P-TECH* - The Power Behind Fast Cooling

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

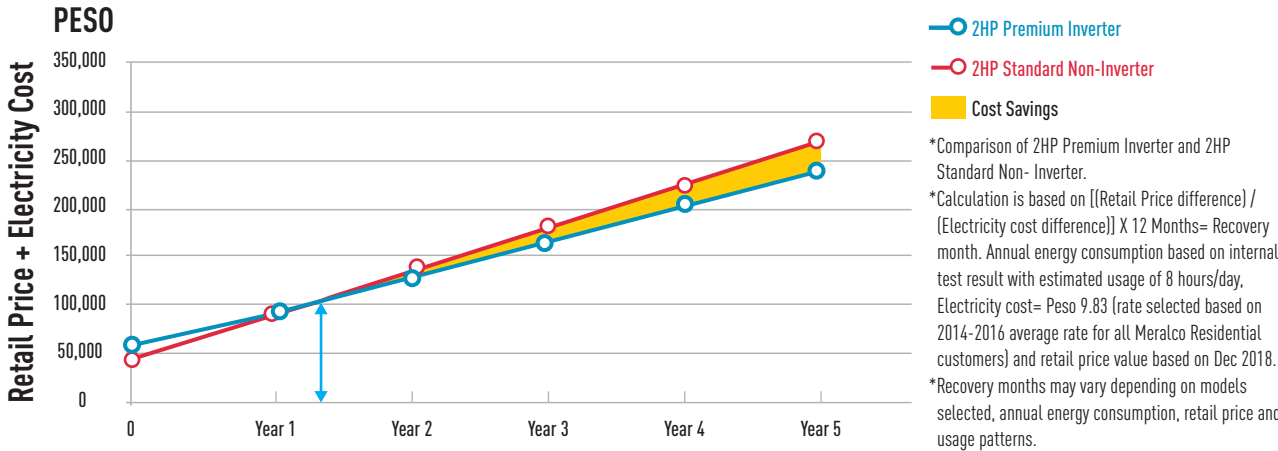
*P-Tech is only applicable for models with iAUTO-X function.



Quick Cooling and Constant Comfort

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

Recover Price Gap 16 Months Onwards



— 2HP Premium Inverter

— 2HP Standard Non-Inverter

■ Cost Savings

*Comparison of 2HP Premium Inverter and 2HP Standard Non-Inverter.

*Calculation is based on [(Retail Price difference) / (Electricity cost difference)] X 12 Months= Recovery month. Annual energy consumption based on internal test result with estimated usage of 8 hours/day. Electricity cost= Peso 9.83 (rate selected based on 2014-2016 average rate for all Meralco Residential customers) and retail price value based on Dec 2018.

*Recovery months may vary depending on models selected, annual energy consumption, retail price and usage patterns.

Air Efficiency

R32
REFRIGERANT

Sustainable Refrigerant

An Environmentally-friendly Refrigerant

R32
REFRIGERANT



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

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

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

HIGHER COOLING CAPACITY

R32 has higher cooling capacity thereby increases heat transfer efficiency.

REDUCE ENERGY COSTS

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

ECO FRIENDLY

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

REFRIGERANT PROPERTIES OF R22, R32, and R410A

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

What is R32?

R32
REFRIGERANT

CH₂F₂: Single composition

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

Lifetime in atmosphere is shorter, 4 – 9 years

Ozone Depletion Potential (ODP) = 0

Non toxic

R32
REFRIGERANT

Durability

Durability

Highly Durable Outdoor Unit for Corrosion Resistance

Panasonic's outdoor unit provides high level durability for an extended time under a wide range of conditions to achieve excellent performance.



DURABILITY

Blue Fin
Condenser

COPPER TUBE CONDENSER

HIGHLY DURABLE OUTDOOR UNIT

Blue Fin Condenser

Blue Fin
Condenser

- Improves durability
- Protects condenser against corrosion from air, water and other corrosive
- Anti-rust



Corrosion Resistant Outdoor Coating

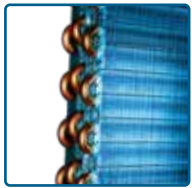
- Outdoor unit layered with multiple type of protection coatings
- Withstand salty air and rain exposure
- Resist corrosion



Copper Tube Condenser

COPPER TUBE CONDENSER

- Better heat transfer
- Higher cooling capacity
- Easy to clean and maintain



Water Resistant PCB

- Contact sections on Printed Circuit Board (PCB) are resin-potted
- Prevent adverse effects by unlikely contact with droplets of water



WALL-MOUNTED : ELITE INVERTER Single-Split Type



CS-VU9UKQ | CS-VU12UKQ | CS-VU18UKQ



Wireless



Wired
(Optional)



Network Adaptor
(Optional)

SPECIFICATIONS

MODEL			Cooling []: Outdoor Unit		
[60Hz]			CS-VU9UKQ [CU-VU9UKQ]	CS-VU12UKQ [CU-VU12UKQ]	CS-VU18UKQ [CU-VU18UKQ]
Cooling Capacity	(min-max)	kW	2.50 [0.84-3.60]	3.40 [1.02-4.50]	5.20 [1.10-5.80]
	(min-max)	kJ/h	9,000 [3,020-12,960]	12,240 [3,670-16,200]	18,720 [3,960-20,880]
EER	(min-max)	kJ/hW	18.37 [14.05-14.40]	14.93 [14.98-13.50]	12.91 [13.66-12.50]
Electrical Data	Voltage	V	230	230	230
	Current	A	2.3	3.8	6.7
	Power Input (min-max)	W	490 [215-900]	820 [245-1,200]	1,450 [290-1,670]
Moisture Removal		L/h	1.5	2.0	2.9
		Pt/h	3.2	4.2	6.1
Air Circulation	Indoor	m³/min [ft³/min]	11.5 [405]	12.8 [450]	14.8 [520]
	Outdoor	m³/min [ft³/min]	31.3 [1,110]	31.3 [1,110]	34.9 [1,230]
Noise Level	Indoor (H / L / Q-Lo)	dB [A]	42/26/18	43/28/19	46/36/33
	Outdoor (H)	dB [A]	47	48	49
Dimensions Indoor (Outdoor)	Height	mm	306 [542]	306 [542]	306 [619]
		inch	12-1/16 [21-11/32]	12-1/16 [21-11/32]	12-1/16 [24-3/8]
	Width	mm	950 [780]	950 [780]	950 [824]
		inch	37-13/32 [30-23/32]	37-13/32 [30-23/32]	37-13/32 [32-15/32]
	Depth	mm	280 [289]	280 [289]	280 [299]
		inch	11-1/32 [11-13/32]	11-1/32 [11-13/32]	11-1/32 [11-25/32]
Net Weight	Indoor	kg [lb]	12 [26]	12 [26]	12 [26]
	Outdoor	kg [lb]	30 [66]	30 [66]	33 [73]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 12.70	ø 12.70
Pipe Extension		inch	3/8	1/2	1/2
	Chargeless Pipe Length	m	7.5	7.5	10.0
	Maximum Pipe Length	m	20	20	30
	Maximum Elevation Length	m	15	15	20
	Additional Refrigerant Gas*	g/m	10	10	25
Power Supply			Outdoor	Outdoor	Outdoor

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

BACKLIT SKY CONTROLLER

Enjoy innovative design at your fingertips with the new stylish and sleek Backlit Sky Controller.

With fast access to key operations and a smooth gliding cover revealing more options, controlling your settings has become simple and intuitive.

With a width of 58.9mm and a length of 164.7mm, the Sky Controller fits comfortably into your hand.



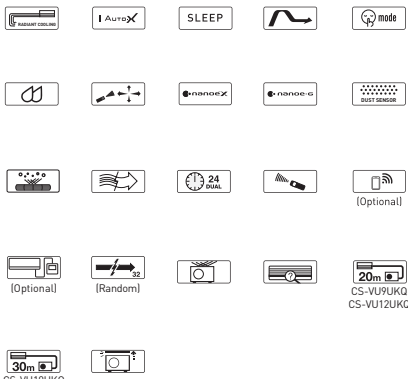
- 1 Backlit LED screen lets you view operations status in the dark.
- 2 Power Button.
- 3 Switch on nanoe™ Technology function to activate nanoe™ X and nanoe-G for air purification and deodorisation even when the air conditioner is switched off.
- 4 Toggles between RADIANT COOLING and Fast Cooling (DIRECT).
- 5 Press up or down to set the temperature.
- 6 iAuto-X lets you come home with FAST COOLING. Then enjoy continuous comfort with RADIANT COOLING which avoids direct cooling.
- 7 Set the airflow direction.
- 8 Adjusts the fan speed.
- 9 Toggles between iAUTO-X, COOL and DRY setting mode.
- 10 Delays off timer with temperature control for better sleep.
- 11 Set 24-hour Dual ON & OFF Timer.
- 12 Set the actual time [hour and minute].



Wireless
Applicable to ELITE INVERTER



COOLING MODELS



OUTDOOR



WALL-MOUNTED : PREMIUM *INVERTER* Single-Split Type



CS-XU9VKQ | CS-XU12VKQ



Wireless



Wired (Optional)



Network Adaptor (Optional)



CS-XU18VKQ | CS-XU24VKQ | CS-XU30VKQ



Wireless



Wired (Optional)



Network Adaptor (Optional)

SPECIFICATIONS

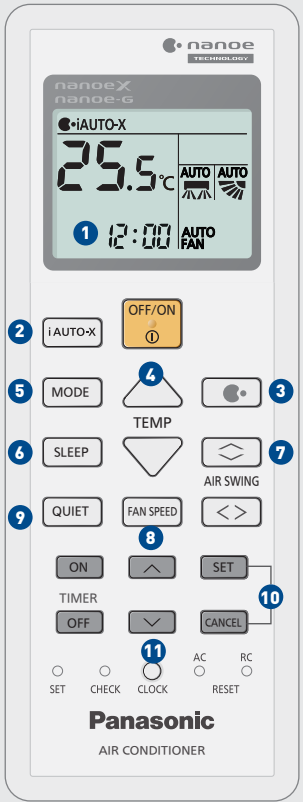
MODEL		[60Hz]	CS-XU9VKQ [CU-XU9VKQ]	CS-XU12VKQ [CU-XU12VKQ]	CS-XU18VKQ [CU-XU18VKQ]	CS-XU24VKQ [CU-XU24VKQ]	CS-XU30VKQ [CU-XU30VKQ]
Cooling Capacity	[min-max]	kW	2.55 [0.84-3.20]	3.30 [1.02-4.20]	5.20 [1.10-6.00]	6.00 [1.12-7.10]	8.20 [1.15-10.00]
	[min-max]	kJ/h	9,180 [3,020-11,520]	11,880 [3,670-15,120]	18,720 [3,960-21,600]	21,600 [4,030-25,560]	29,520 [4,140-36,000]
EER	[min-max]	kJ/hW	14.34 [13.42-13.09]	14.14 [14.12-12.81]	14.86 [13.66-12.86]	13.94 [12.59-12.78]	12.83 [11.83-11.25]
Electrical Data	Voltage	V	230	230	230	230	230
	Current	A	3.1	3.9	5.7	7.1	11.0
	Power Input [min-max]	W	640 [225-880]	840 [260-1,180]	1,260 [290-1,680]	1,550 [320-2,000]	2,300 [350-3,200]
Moisture Removal		L/h	1.6	1.9	2.9	3.3	4.8
		Pt/h	3.4	4.0	6.1	7.0	10.1
Air Circulation	Indoor	m³/min [ft³/min]	10.8 [380]	11.3 [400]	20.4 [720]	21.2 [745]	21.3 [750]
	Outdoor	m³/min [ft³/min]	25.4 [895]	31.6 [1,120]	34.9 [1,230]	46.3 [1,635]	50.2 [1,770]
Noise Level	Indoor [H / L / Q-Lo]	dB [A]	38/26/23	40/28/25	45/36/33	46/37/34	47/37/34
	Outdoor [H]	dB [A]	47	48	50	50	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]	13 [29]
	Outdoor	kg [lb]	20 [44]	27 [60]	32 [71]	41 [90]	55 [121]
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
Pipe Extension		inch	3/8	1/2	1/2	5/8	5/8
	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
Power Supply	Additional Refrigerant Gas*	g/m	10	10	15	25	25
			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.

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.

- 1 LCD display for an easy overview of the operation status.
- 2 iAUTO-X lets you come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.
- 3 Switch on nanoe™ Technology function to activate nanoe™ X and nanoe-G for air purification and deodorisation even when the air conditioner is switched off.
- 4 Press up or down to set the temperature.
- 5 Toggles between iAUTO-X, COOL and DRY setting mode.
- 6 Delays off timer with temperature control for better sleep.
- 7 Set the airflow direction.
- 8 Adjusts the fan speed.
- 9 Quiet function allows you to sleep comfortably at night.
- 10 Set 24-hour Dual ON & OFF Timer.
- 11 Set the actual time (hour and minute).



Wireless
Applicable to PREMIUM INVERTER

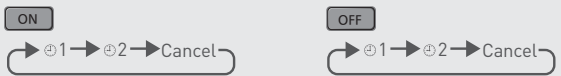
DUAL TIMER



DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

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

- 1 Select ON or OFF Timer



- 2 Set the time.



AEROWINGS



COOLING MODELS



OUTDOOR



CU-XU9VKQ



CU-XU12VKQ



CU-XU18VKQ



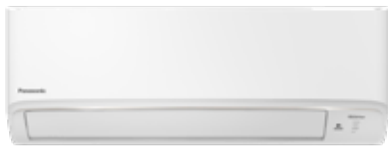
CU-XU24VKQ



CU-XU30VKQ

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

NEW



CS-XPU9WKQ | CS-XPU12WKQ | CS-XPU18WKQ



Wireless



Wired
(Optional)



Network Adaptor
(Optional)

SPECIFICATIONS

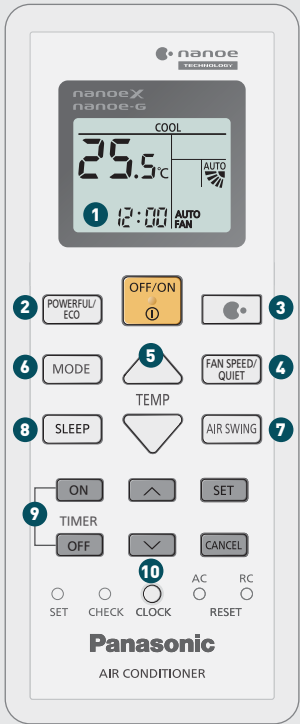
MODEL		[60Hz]	CS-XPU9WKQ [CU-XPU9WKQ]	CS-XPU12WKQ [CU-XPU12WKQ]	CS-XPU18WKQ [CU-XPU18WKQ]
Cooling Capacity	(min-max)	kW	2.54 [0.84-3.10]	3.06 [1.02-3.80]	5.00 [1.10-5.40]
	(min-max)	kJ/h	9,140 [3,020-11,160]	11,020 [3,670-13,680]	18,000 [3,960-19,440]
EER	(min-max)	kJ/hW	13.64 [13.73-12.61]	14.69 [14.98-11.69]	11.61 [13.66-10.80]
	Voltage	V	230	230	230
Electrical Data	Current	A	3.2	3.4	7.0
	Power Input (min-max)	W	670 [220-885]	750 [245-1,170]	1,550 [290-1,800]
Moisture Removal		L/h	1.6	1.7	2.8
		Pt/h	3.4	3.6	5.9
Air Circulation	Indoor	m³/min (ft³/min)	10.3 [365]	10.8 [380]	12.6 [445]
	Outdoor	m³/min (ft³/min)	27.3 [960]	31.6 [1,120]	39.3 [1,390]
Noise Level	Indoor (H / L / Q-Lo)	dB [A]	36/26/21	38/28/21	44/34/28
	Outdoor (H)	dB [A]	47	48	51
Dimensions Indoor (Outdoor)	Height	mm	290 [511]	290 [542]	290 [619]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-7/16 [24-3/8]
	Width	mm	779 [650]	779 [780]	779 [824]
		inch	30-11/16 [25-19/32]	30-11/16 [30-23/32]	30-11/16 [32-15/32]
	Depth	mm	209 [230]	209 [289]	209 [299]
		inch	8-1/4 [9-1/16]	8-1/4 [11-13/32]	8-1/4 [11-25/32]
Net Weight	Indoor	kg (lb)	8 [18]	8 [18]	9 [20]
	Outdoor	kg (lb)	18 [40]	23 [51]	29 [64]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0
	Maximum Pipe Length	m	20	20	30
	Maximum Elevation Length	m	15	15	20
	Additional Refrigerant Gas*	g/m	10	10	15
Power Supply			Outdoor	Outdoor	Outdoor

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

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.

- 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 Switch on nanoe™ Technology function to activate nanoe™ X and nanoe-G for air purification and deodorisation even when the air conditioner is switched off.
- 4 Adjust the FAN SPEED or QUIET function allows you to sleep comfortably at night.
- 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 Dual ON & OFF Timer.
- 10 Set the actual time (hour and minute).



Wireless
Applicable to DELUXE INVERTER

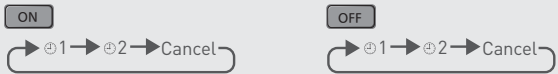
DUAL TIMER



DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

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

- 1 Select ON or OFF Timer



- 2 Set the time.

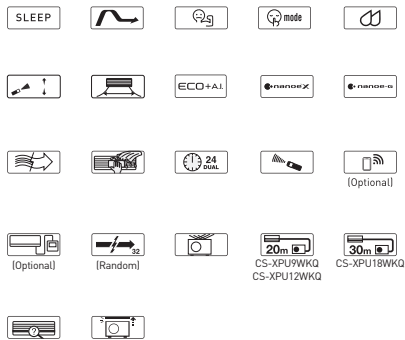


AEROWINGS

ECO+A.I.

INVERTER

COOLING MODELS



OUTDOOR

Blue Fin
Condenser



CU-XPU9WKQ

R32
REFRIGERANT



CU-XPU12WKQ



CU-XPU18WKQ

WALL-MOUNTED : STANDARD  Single-Split Type

NEW



CS-PU9WKQ | CS-PU12WKQ | CS-PU18WKQ



CS-PU24VKQ



Wireless



Wired (Optional)



Network Adaptor (Optional)



Wireless



Wired (Optional)

SPECIFICATIONS

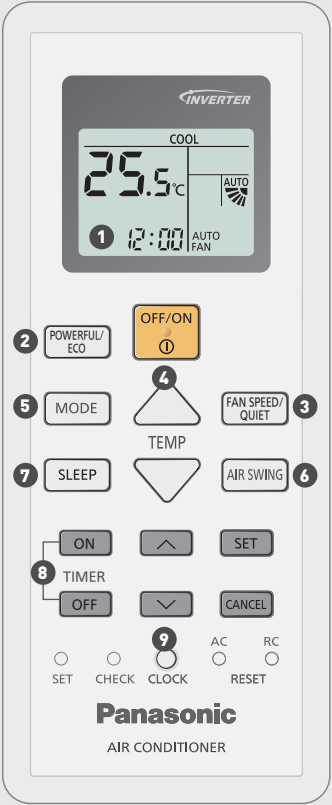
MODEL		[60Hz]	CS-PU9WKQ [CU-PU9WKQ]	CS-PU12WKQ [CU-PU12WKQ]	CS-PU18WKQ [CU-PU18WKQ]	CS-PU24VKQ [CU-PU24VKQ]
Cooling Capacity	(min-max)	kW	2.54 [0.84-3.10]	3.06 [1.02-3.80]	5.00 [1.10-5.40]	6.00 [1.12-6.70]
	(min-max)	kJ/h	9,140 [3,020-11,160]	11,020 [3,670-13,680]	18,000 [3,960-19,440]	21,600 [4,030-24,120]
EER	(min-max)	kJ/hW	13.64 [13.73-12.61]	14.69 [14.98-11.69]	11.61 [13.66-10.80]	12.13 [12.59-12.06]
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.2	3.4	7.0	8.2
	Power Input (min-max)	W	670 [220-885]	750 [245-1,170]	1,550 [290-1,800]	1,780 [320-2,000]
Moisture Removal		L/h	1.6	1.7	2.8	3.3
		Pt/h	3.4	3.6	5.9	7.0
Air Circulation	Indoor	m³/min (ft³/min)	10.3 [365]	10.8 [380]	12.6 [445]	20.3 [715]
	Outdoor	m³/min (ft³/min)	27.3 [960]	31.6 [1,120]	39.3 [1,390]	36.0 [1,270]
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26/21	38/28/21	44/34/28	46/37/34
	Outdoor (H)	dB (A)	47	48	51	50
Dimensions Indoor (Outdoor)	Height	mm	290 [511]	290 [542]	290 [619]	302 [619]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-7/16 [24-3/8]	11-29/32 [24-3/8]
	Width	mm	779 [650]	779 [780]	779 [824]	1,102 [824]
		inch	30-11/16 [25-19/32]	30-11/16 [30-23/32]	30-11/16 [32-15/32]	43-13/32 [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]	29 [64]	35 [77]
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 15.88
Pipe Extension		inch	3/8	3/8	1/2	5/8
	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	25
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.

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.

- 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 Set the airflow direction.
- 7 Delays off timer with temperature control for better sleep.
- 8 Set 24-hour Dual ON & OFF Timer.
- 9 Set the actual time (hour and minute).



Wireless
Applicable to CS-PU9/12/18WKQ

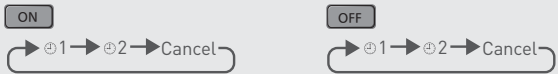
DUAL TIMER



DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

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

- 1 Select ON or OFF Timer



- 2 Set the time.



BIG FLAP



[CS-PU9/12/18WKQ]

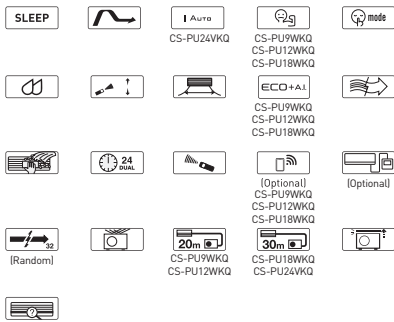


INTELLIGENT AUTO MODE

[CS-PU24VKQ]



COOLING MODELS



OUTDOOR



CU-PU9WKQ



CU-PU12WKQ



CU-PU18WKQ
CU-PU24VKQ

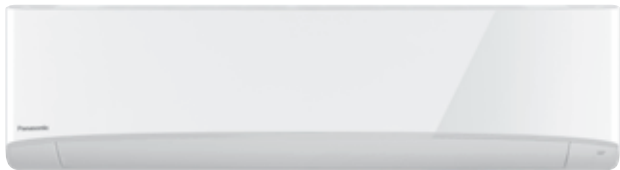
WALL-MOUNTED : STANDARD NON-INVERTER Single-Split Type



CS-PN9UKQ | CS-PN12UKQ



Wireless



CS-PN18UKQ | CS-PN24UKQ



Wireless

SPECIFICATIONS

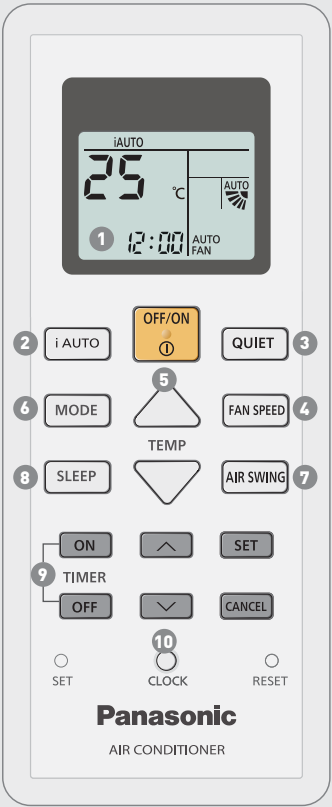
MODEL		[60Hz]	CS-PN9UKQ [CU-PN9UKQ]	CS-PN12UKQ [CU-PN12UKQ]	CS-PN18UKQ [CU-PN18UKQ]	CS-PN24UKQ [CU-PN24UKQ]
Cooling Capacity		kW	2.50	3.35	5.05	6.70
		kJ/h	9,000	12,060	18,180	24,120
EER		kJ/hW	10.7	11.2	10.5	11.0
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.7	4.8	7.6	9.6
	Power Input	W	840	1,080	1,730	2,190
Moisture Removal		L/h	1.5	1.9	2.8	3.8
		Pt/h	3.2	4.0	5.9	8.0
Air Circulation	Indoor	m³/min (ft³/min)	9.6 [339]	11.0 [388]	18.4 [650]	20.8 [734]
	Outdoor	m³/min (ft³/min)	29.2 [1,030]	33.6 [1,190]	36.9 [1,300]	52.5 [1,850]
Noise Level	Indoor (H / L)	dB (A)	36/26	40/29	43/39	47/42
	Outdoor (H)	dB (A)	49	50	55	60
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	7-3/4 [9-1/16]	7-3/4 [11-13/32]	9-5/8 [11-25/32]	9-5/8 [12-5/8]
Net Weight	Indoor	kg (lb)	8 [18]	8 [18]	12 [26]	12 [26]
	Outdoor	kg (lb)	21 [46]	29 [64]	35 [77]	54 [119]
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
Pipe Extension		inch	3/8	1/2	1/2	5/8
	Chargeless Pipe Length	m	7.5	7.5	7.5	7.5
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
Additional Refrigerant Gas*		g/m	10	10	15	25
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.

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.

- 1 LCD display for an easy overview of the operation status.
- 2 Automatic Intelligence switches fan speed for faster cooling with just one touch of a button.
- 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).

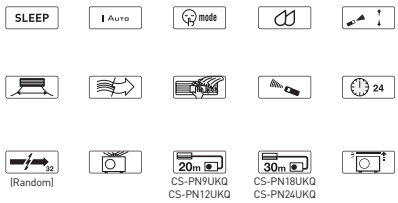


Wireless
Applicable to STANDARD NON-INVERTER

BIG FLAP



COOLING MODELS



OUTDOOR



CU-PN9UKQ



CU-PN12UKQ



CU-PN18UKQ



CU-PN24UKQ

Multi-Split Air Conditioning System



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



Compact and lightweight design to fit every building type



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

OUTDOOR

MODELS	CU-2S18PKZ	Indoor Units: Possible Combination Patterns [Must be within capacity range]
2 Rooms	 	Port A 2.8 or 3.2 Either unit Port B 2.8 or 3.2 Either unit

- It is possible to have a combination of wall-mounted models [CS-S9, S12TKZW] for the [CU-2S18PKZ] Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

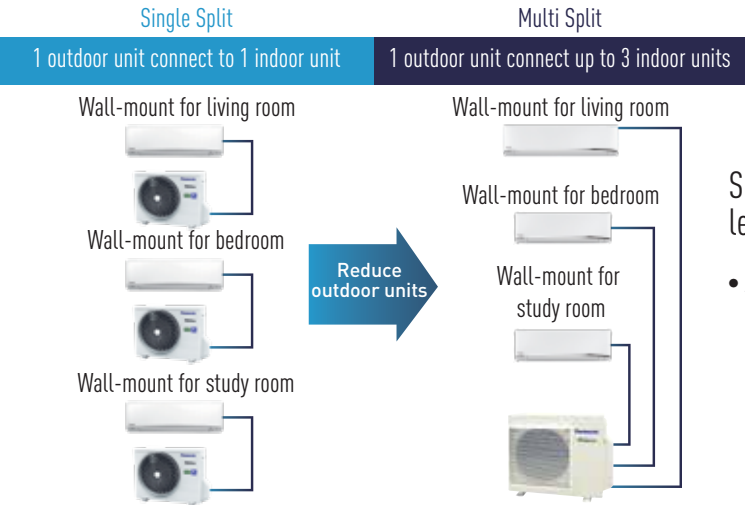
OUTDOOR

MODELS	CU-3S27KKZ	Indoor Units: Possible Combination Patterns [Must be within capacity range]
3 Rooms	 	Port A 2.8 or 3.2 or 4.0 or 5.0 or 6.0 Port B 2.8 or 3.2 or 4.0 or 5.0 or 6.0 Port C 2.8 or 3.2 or 4.0 or 5.0 or 6.0

- It is possible to have a combination of wall-mounted models [CS-S9, S12, S18, S24TKZW, CS-MS15TKZ] for the [CU-3S27KKZ] Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

Advantages Of Multi-Split Air Conditioning System

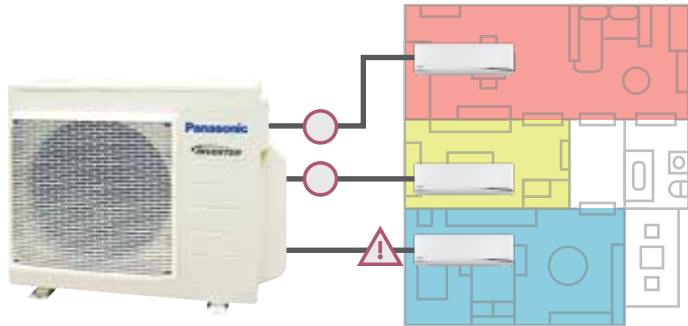
Space Saving



Space-saving installation with less outdoor units required

- As 1 outdoor unit is able to connect up to 3 indoor units, this provide flexible customization according to the layout of your house.

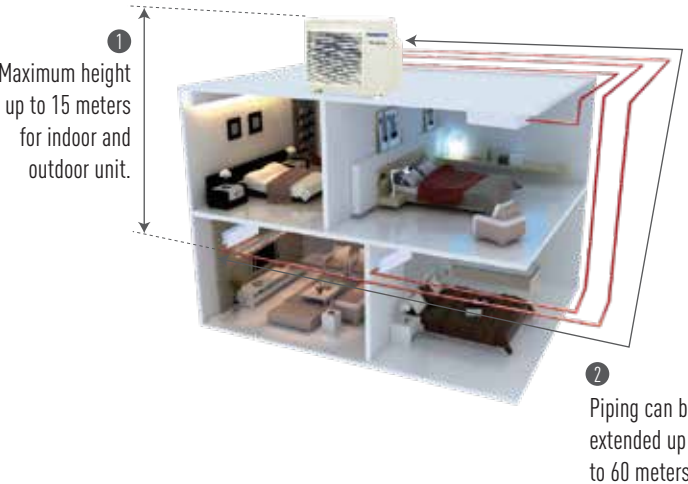
Independent Operation Control



Outdoor unit connects to each indoor unit independently

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


Flexible Installation




The multi-split system accommodates long pipelines up to 60 meters

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


INDOOR




CS-S9TKZW | CS-S12TKZW | CS-MS15TKZ




CS-S18TKZW | CS-S24TKZW




Wireless




Wired
[Optional]




Network Adaptor
[Optional]*1




nanoe™
TECHNOLOGY



nanoe-G
AEROWINGS

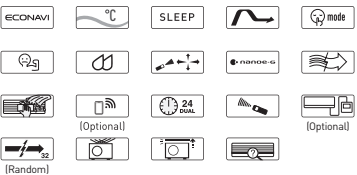


INVERTER



INTELLIGENT ECO SENSORS
ECONAVI

COOLING MODELS



MODEL		(60Hz)	CS-S9TKZW	CS-S12TKZW	CS-MS15TKZ	CS-S18TKZW	CS-S24TKZW
Operation			1 unit	1 unit	1 unit	1 unit	1 unit
Cooling Capacity		kJ/h	10,080	11,520	14,400	18,000	21,600
		kW	2.80	3.20	4.00	5.00	6.00
Electrical Data	Voltage	V	230	230	230	230	230
Sound Pressure Level	Indoor (Hi/Lo)	dB [A]	40/29	44/32	45/32	47/38	48/39
Moisture Removal		L/h	1.6	1.8	2.3	2.7	3.3
Fan Output		W	40	40	40	30	30
Air Circulation		m³/min	9.8	11.0	12.8	19.3	20.3
		ft³/min	345	390	450	680	715
Dimensions	Height	mm	295	295	295	302	302
	Width	mm	919	919	919	1,120	1,120
	Depth	mm	199	199	199	241	241
Net Weight Indoor		kg	9	9	9	12	12
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52	ø 12.70
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor

OUTDOOR

MODEL		(60Hz)	DUAL-SPLIT MODEL		TRIPLE-SPLIT MODEL	
			CU-2S18PKZ		CU-3S27KKZ	
Cooling Capacity	(min-max)	kW	5.00 [1.50~6.00]		7.50 [2.80~9.00]	
	(min-max)	kJ/h	18,000 [5,400~21,600]		27,000 [10,080~32,400]	
EER		kJ/hW	12.86		13.11	
Electrical Data	Voltage	V	230		230	
	Current	A	6.4		9.6	
	Power Input (min-max)	W	1,400 [250~1,750]		2,060 [520~2,830]	
Sound Pressure Level	Outdoor	dB [A]	49		49	
Maximum Current		A	12		15.2	
Starting Current		A	6.6		10.1	
Compressor Output		W	900		1,300	
Fan Output		W	40		60	
Dimensions	Height	mm	619		795	
	Width	mm	824 [+70]		875 [+95]	
	Depth	mm	299		320	
Net Weight	Outdoor	kg	37		68	
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*2	g/m	15		20	

*1 Functionality varies depending on models.
*2 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	Total	Cooling Capacity (kJ/h)				Power Input (W)		Current (A)	Moisture Removal L/h
		Room A	Room B	Total	min ~ max	Rated	min ~ max	230V / 60Hz	
1 Room	2.8	10,080	—	10,080	3,960 ~ 12,600	750	220 ~ 1,000	3.6	1.6
	3.2	11,520	—	11,520	3,960 ~ 14,400	920	220 ~ 1,220	4.4	1.8
2 Room	2.8 + 2.8	8,640	8,640	17,280	5,400 ~ 20,880	1,310	250 ~ 1,690	6.2	1.5 + 1.5
	2.8 + 3.2	8,280	9,720	18,000	5,400 ~ 21,240	1,490	250 ~ 1,710	7.0	1.5 + 1.6
	3.2 + 3.2	9,000	9,000	18,000	5,400 ~ 21,600	1,400	250 ~ 1,750	6.4	1.5 + 1.5

INVERTER TRIPLE-SPLIT MODEL (CU-3S27KKZ)

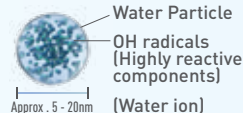
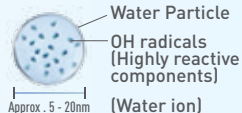
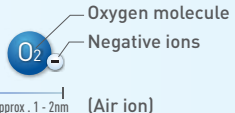
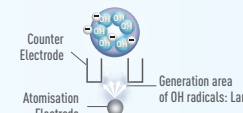
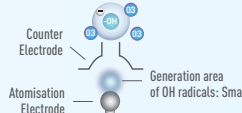
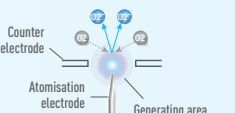



Indoor Unit Combination		Total	Cooling Capacity (kJ/h)				Power Input (W)		Current (A)	Moisture Removal	
			Room A	Room B	Room C	Total	min ~ max	Rated	min ~ max	230V / 60Hz	L/h
1 Room	2.8	2.8	10,080			10,080	6,120 ~ 12,240	700	380 ~ 890	3.6	1.6
	3.2	3.2	11,520			11,520	6,120 ~ 14,400	800	380 ~ 1,200	4.0	1.8
	4.0	4.0	14,400			14,400	6,120 ~ 17,280	1,180	380 ~ 1,480	5.8	2.3
	5.0	5.0	18,000			18,000	6,840 ~ 20,880	1,460	400 ~ 1,890	7.0	2.7
	6.0	6.0	21,600			21,600	6,840 ~ 22,320	1,920	400 ~ 2,070	8.9	3.3
2 Room	2.8 + 2.8	5.6	10,080	10,080		20,160	6,120 ~ 24,120	1,750	420 ~ 2,340	8.3	1.6 + 1.6
	2.8 + 3.2	6.0	10,080	11,520		21,600	6,120 ~ 24,120	2,010	420 ~ 2,340	9.4	1.6 + 1.8
	2.8 + 4.0	6.8	10,080	14,400		24,480	9,000 ~ 27,360	2,420	550 ~ 2,990	11.3	1.6 + 2.3
	2.8 + 5.0	7.8	9,680	17,320		27,000	9,720 ~ 28,800	2,810	530 ~ 2,980	13.1	1.6 + 2.6
	2.8 + 6.0	8.8	8,600	18,400		27,000	9,720 ~ 28,800	2,810	530 ~ 2,980	13.1	1.5 + 2.8
	3.2 + 3.2	6.4	11,520	11,520		23,040	8,280 ~ 26,640	2,290	570 ~ 3,010	10.7	1.8 + 1.8
	3.2 + 4.0	7.2	11,520	14,400		25,920	9,000 ~ 27,720	2,770	550 ~ 2,990	12.9	1.8 + 2.3
	3.2 + 5.0	8.2	10,550	16,450		27,000	10,080 ~ 28,800	2,760	530 ~ 2,970	12.9	1.7 + 2.5
	3.2 + 6.0	9.2	9,400	17,600		27,000	10,080 ~ 28,800	2,760	530 ~ 2,970	12.9	1.6 + 2.7
	4.0 + 4.0	8.0	13,500	13,500		27,000	9,720 ~ 28,440	2,870	540 ~ 2,980	13.4	2.2 + 2.2
	4.0 + 5.0	9.0	11,990	15,010		27,000	10,080 ~ 29,160	2,600	530 ~ 2,970	12.2	1.9 + 2.4
	4.0 + 6.0	10.0	10,800	16,200		27,000	10,080 ~ 29,160	2,600	530 ~ 2,970	12.2	1.7 + 2.5
	5.0 + 5.0	10.0	13,500	13,500		27,000	10,440 ~ 29,880	2,440	520 ~ 2,970	11.4	2.2 + 2.2
	5.0 + 6.0	11.0	12,280	14,720		27,000	10,440 ~ 29,880	2,440	520 ~ 2,970	11.4	2.0 + 2.3
	6.0 + 6.0	12.0	13,500	13,500		27,000	10,440 ~ 29,880	2,440	520 ~ 2,970	11.4	2.2 + 2.2
	3 Room	2.8 + 2.8 + 2.8	8.4	9,000	9,000	9,000	27,000	8,640 ~ 28,440	2,740	580 ~ 2,840	12.8
2.8 + 2.8 + 3.2		8.8	8,600	8,600	9,800	27,000	8,640 ~ 28,800	2,690	580 ~ 2,850	12.6	1.5 + 1.5 + 1.6
2.8 + 2.8 + 4.0		9.6	7,880	7,880	11,240	27,000	9,360 ~ 30,240	2,490	600 ~ 2,930	11.6	1.4 + 1.4 + 1.8
2.8 + 2.8 + 5.0		10.6	7,130	7,130	12,740	27,000	10,080 ~ 31,680	2,250	600 ~ 3,010	10.5	1.3 + 1.3 + 2.0
2.8 + 2.8 + 6.0		11.6	6,520	6,520	13,960	27,000	10,080 ~ 31,680	2,250	600 ~ 3,010	10.5	1.2 + 1.2 + 2.3
2.8 + 3.2 + 3.2		9.2	8,200	9,400	9,400	27,000	8,640 ~ 28,800	2,690	580 ~ 2,860	12.6	1.5 + 1.6 + 1.6
2.8 + 3.2 + 4.0		10.0	7,560	8,640	10,800	27,000	9,360 ~ 30,240	2,450	600 ~ 2,930	11.5	1.4 + 1.5 + 1.7
2.8 + 3.2 + 5.0		11.0	6,870	7,850	12,280	27,000	10,080 ~ 31,680	2,250	600 ~ 3,020	10.5	1.2 + 1.4 + 2.0
2.8 + 3.2 + 6.0		12.0	6,300	7,200	13,500	27,000	10,080 ~ 31,680	2,250	600 ~ 3,020	10.5	1.1 + 1.3 + 2.2
2.8 + 4.0 + 4.0		10.8	6,980	10,010	10,010	27,000	9,720 ~ 31,320	2,290	600 ~ 3,000	10.7	1.3 + 1.6 + 1.6
2.8 + 4.0 + 5.0		11.8	6,410	9,140	11,450	27,000	10,080 ~ 32,400	2,170	580 ~ 3,050	10.1	1.1 + 1.6 + 1.8
2.8 + 4.0 + 6.0		12.8	5,900	8,420	12,680	27,000	10,080 ~ 32,400	2,170	580 ~ 3,050	10.1	1.0 + 1.5 + 2.0
2.8 + 5.0 + 5.0		12.8	5,900	10,550	10,550	27,000	10,080 ~ 32,400	2,070	520 ~ 2,830	9.7	1.0 + 1.7 + 1.7
3.2 + 3.2 + 3.2		9.6	9,000	9,000	9,000	27,000	8,640 ~ 28,800	2,650	590 ~ 2,860	12.4	1.5 + 1.5 + 1.5
3.2 + 3.2 + 4.0		10.4	8,320	8,320	10,360	27,000	9,360 ~ 30,240	2,450	600 ~ 2,940	11.5	1.5 + 1.5 + 1.7
3.2 + 3.2 + 5.0		11.4	7,600	7,600	11,800	27,000	10,080 ~ 31,680	2,250	600 ~ 3,020	10.5	1.4 + 1.4 + 1.9
3.2 + 3.2 + 6.0		12.4	6,980	6,980	13,040	27,000	10,080 ~ 31,680	2,250	600 ~ 3,020	10.5	1.3 + 1.3 + 2.1
3.2 + 4.0 + 4.0		11.2	7,700	9,650	9,650	27,000	10,080 ~ 31,320	2,290	600 ~ 3,000	10.7	1.4 + 1.6 + 1.6
3.2 + 4.0 + 5.0		12.2	7,090	8,860	11,050	27,000	10,080 ~ 32,400	2,170	580 ~ 3,060	10.1	1.3 + 1.5 + 1.7
3.2 + 4.0 + 6.0		13.2	6,550	8,170	12,280	27,000	10,080 ~ 32,400	2,170	580 ~ 3,060	10.1	1.2 + 1.5 + 2.0
3.2 + 5.0 + 5.0	13.2	6,560	10,220	10,220	27,000	10,080 ~ 32,400	2,060	520 ~ 2,830	9.6	1.2 + 1.7 + 1.7	
4.0 + 4.0 + 4.0	12.0	9,000	9,000	9,000	27,000	10,080 ~ 32,400	2,170	590 ~ 3,040	10.1	1.5 + 1.5 + 1.5	
4.0 + 4.0 + 5.0	13.0	8,320	8,320	10,360	27,000	10,080 ~ 32,400	2,070	540 ~ 2,830	9.7	1.5 + 1.5 + 1.7	

Windows

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 10 times more OH radicals to ensure the air is purified at all times.

The difference between nanoe™ X, nanoe™ and nanoe-G

Main Components & Size (Conceptual Diagram)	nanoe™X	nanoe™	nanoe-G
			
Device Generator			
Deodorises	●	○	▲
Inhibits Bacteria & Viruses	●	○	▲ (Collects dust particles)
Dust Removal (PM2.5)	×	×	●
Discharge System	Electrostatic atomisation (Multi-leader discharge)	Electrostatic atomisation (Corona discharge)	Plasma discharge
Size	5 - 20 nm	5 - 20 nm	1 - 2 nm
OH Radical	4.8 trillion OH radicals / sec	480 billion OH radicals / sec	3 trillion negative ions / sec
Generating Principle	 <p>The moisture in the air is condensed and concentrated at one point, and nanoe™ X is generated by applying a high voltage (via multi-leader discharge). nanoe™ X contains 10 times more OH radicals than nanoe™</p>	 <p>The moisture in the air is condensed, concentrated, and radially dispersed, and nanoe™ is generated by applying a high voltage (via corona discharge).</p>	 <p>Natural ion wind spreads nanoe-G negative ions that are released from the nanoe-G generator.</p>

● : Very Effective ○ : Effective ▲ : Moderate × : Not Effective

Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe™ X and nanoe™ 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. It does not eliminate toxic substances in cigarette (carbon monoxide, etc.). Odours that are continuously generated (e.g. building material odours and pet odours) are not completely eliminated.

How nanoe™X is generated

- 1 Atomised electrode produces condensation.
- 2 High voltage is applied to water condensed from the atmosphere.
- 3 nanoe™ X is generated.

How nanoe-G is generated

- 1 nanoe-G generator releases 3 trillion nanoe-G negative ions.
- 2 nanoe-G negative ions spread to the filter using natural ion wind.

nanoe™X

Deodorises frequently encountered odours

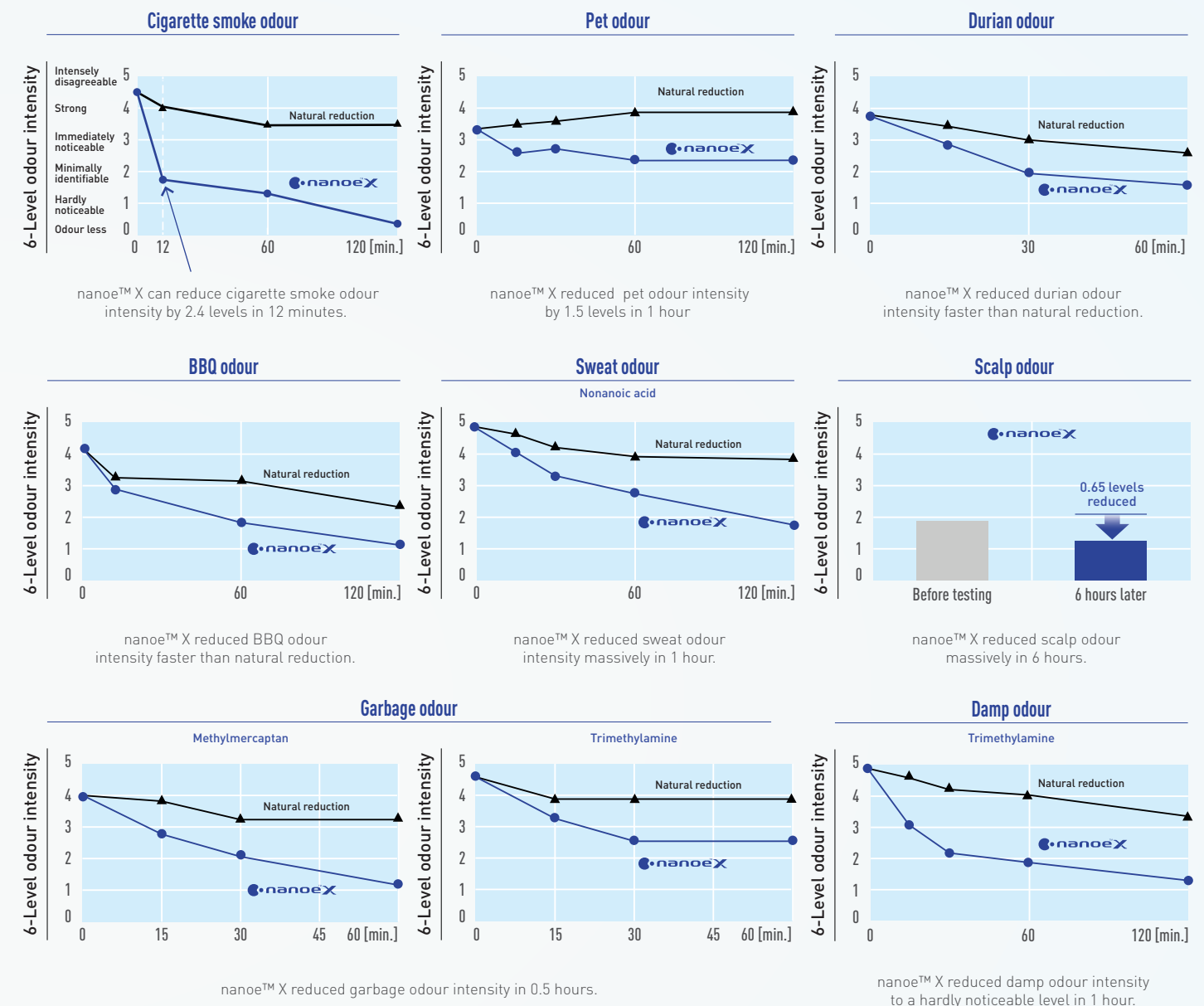
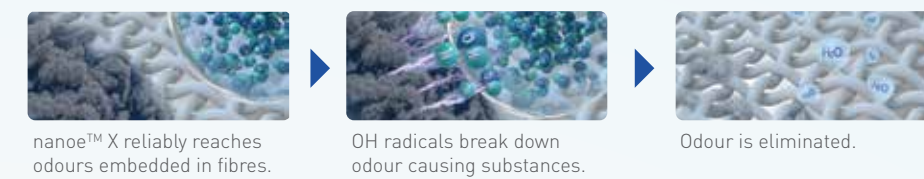
Odour causing substances such as cigarette smoke and garbage are removed to a hardly noticeable level.



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.

3 steps on how to deodorise odour



[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. 23m³	0.2	Panasonic Product Analysis Center	4AA33-160615-N04
	Pet odour	Odour intensity reduced by 1.5 levels	Approx. 23m³	1	Panasonic Product Analysis Center	4AA33-160315-A34
	Durian odour	Odour intensity reduced by 1.0 levels	Approx. 23m³	0.5	Panasonic Product Analysis Center	1V332-180402-K01
	BBQ odour	Odour intensity reduced by 1.2 levels	Approx. 23m³	2	Panasonic Product Analysis Center	4AA33-151221-N01
	Sweat odour (Nonanoic acid)	Odour intensity reduced by 1.1 levels	Approx. 23m³	1	Panasonic Product Analysis Center	Y16HM016
	Sweat odour (Hexanoic acid)	Odour intensity reduced by 2.6 levels	Approx. 23m³	1	Panasonic Product Analysis Center	4AA33-160315-A35
	Scalp odour (Pillow cover)	Odour intensity reduced by 0.65 levels	Approx. 23m³	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. 23m³	0.5	Panasonic Product Analysis Center	1V332-18220-K11
	Garbage odour (Trimethylamine)	Odour intensity reduced by 1.4 levels	Approx. 23m³	0.5	Panasonic Product Analysis Center	1V332-180220-K12
	Damp odour (Triethylamine)	Odour intensity reduced by 1.7 levels	Approx. 23m³	0.5	Panasonic Product Analysis Center	Y16RA002

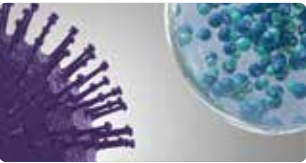
Results may vary based on usage, and seasonal and enviroment variables [temperature and humidity]. nanoe™ X and nanoe™ inhibit activity or growth of viruses, but do not prevent infection. Deodorisation effect varies according to the enviroment [temperature and humidity], operation time, odour, and fabric types.



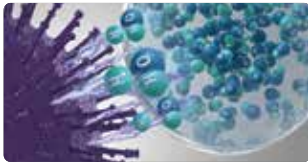
Inhibits activity of airborne, adhered bacteria and viruses

nanoe™ X inhibits the activity of airborne and adhered bacteria and viruses.

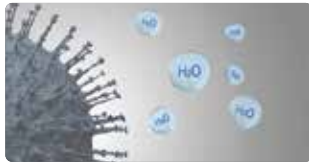
3 steps on how to inhibit bacteria & viruses



nanoe™ X reliably reaches virus.

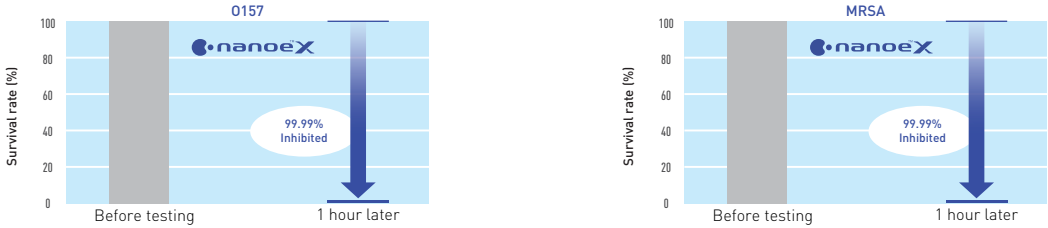


OH radicals transform virus proteins.

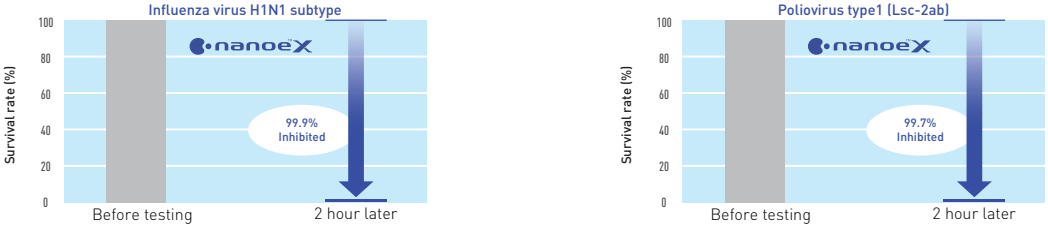


Virus activity is inhibited.

Adhered bacteria



Adhered viruses



[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. 25m³	6	Kitasato Research Center for Environmental Science	24_0300_1
	Bacteria Staphylococcus aureus	99.9% inhibited	Approx. 25m³	4	Kitasato Research Center for Environmental Science	2016_0279
Adhered	Virus Bacteriophage ΦX174	99.8% inhibited	Approx. 25m³	8	Japan Food Research Laboratories	13001265005-01
	Bacteria Staphylococcus aureus	99.1% inhibited	Approx. 25m³	8	Japan Food Research Laboratories	13044083003-01
Adhered virus	Influenza virus (H1N1 subtype)	99.9% inhibited	1m³	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	1m³	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

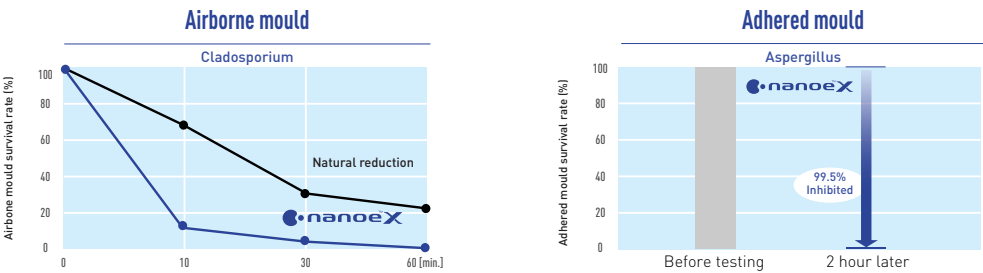
Results may vary based on usage, and seasonal and enviroment variables [temperature and humidity]. nanoe™ X and nanoe™ inhibit activity or growth of viruses, but do not prevent infection.



Inhibits activity of airborne mould and adhered mould

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

3 steps on how to inhibit growth of mould



[Representative evidence]

Mould		Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Airborne	Cladosporium	99% inhibited	Approx. 23m³	1	Japan Food Research Laboratories	205061541-001
	Aspergillus	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	18077411001-0201
Adhered	Alternaria	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-0801
	Aspergillus	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-0901
	Cladosporium	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-1001
	Eurotium	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-1101
	Fusarium	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-1201
	Mucor	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-1301
	Penicillium	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	17145307001-1401
	Stachybotrys	Inhibited	Approx. 23m³	8	Japan Food Research Laboratories	11038081001-02
	Aspergillus	99.5% inhibited	45L	8	Japan Food Research Laboratories	11028760001-01
	Penicillium	99.9% inhibited	45L	4	Japan Food Research Laboratories	11018692001-02
	Fusarium	99.9% inhibited	45L	8	Kitasato Research Center for Environmental Science	22_0455
	Eurotium	99.9% inhibited	45L	8	Japan Food Research Laboratories	11038080001-01
	Mucor	99.9% inhibited	45L	8	Kitasato Research Center for Environmental Science	22_0455
	Stachybotrys	99.9% inhibited	45L	8	Japan Food Research Laboratories	11038082001-01
	Alternaria	99.9% inhibited	45L	16	Japan Food Research Laboratories	

Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoe™ X and nanoe™ 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.

3 steps on how to inhibit allergens



[Representative evidence]

** : Units based on Panasonic standards

Allergens		Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Mites	Dermatophagoides pteronyssinus	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	4AA33-160615-F01
	Dermatophagoides farinae	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	4AA33-170301-F15
Mould	Alternaria (Sooty moulds)	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	4AA33-160615-F02
	Aspergillus (Aspergillus genus)	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	
	Candida	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	
	Malassezia	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	
Insect	Cockroach	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	4AA33-160615-F03
	Moth	Inhibited	Approx. 23m³	24		
Animal	Dog (dander)	Inhibited	Approx. 23m³	24	Panasonic Product Analysis Center	4AA33-160620-F01
	Cat (dander)	Inhibited	Approx. 23m³	24		

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



Inhibits pollens globally all year around

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

3 steps on how to inhibit pollen



[Representative evidence]

** : Units based on Panasonic standards

Pollen Allergens	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Cedar	97% inhibited	Approx. 23m ³	8	Panasonic Product Analysis Center	4AA33-151001-F01
Cypress	Inhibited	Approx. 23m ³	24	Panasonic Product Analysis Center	4AA33-151028-F01
Orchard grass	Inhibited	Approx. 23m ³	24		
Ragweed	Inhibited	Approx. 23m ³	24		
Alnus japonica	Inhibited	Approx. 23m ³	24	Panasonic Product Analysis Center	4AA33-160601-F01
Japanese white birch	Inhibited	Approx. 23m ³	24		
Artemisia	Inhibited	Approx. 23m ³	24		
Olive	Inhibited	Approx. 23m ³	24	Panasonic Product Analysis Center	4AA33-160601-F02
Juniper	Inhibited	Approx. 23m ³	24		
Casuarina	Inhibited	Approx. 23m ³	24		
Miscanthus	Inhibited	Approx. 23m ³	24	Panasonic Product Analysis Center	4AA33-160701-F01
Timothy grass	Inhibited	Approx. 23m ³	24		
Humulus japonicus	Inhibited	Approx. 23m ³	24		

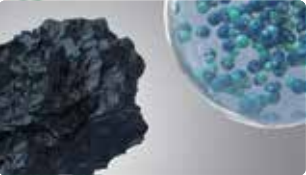
Results may vary based on usage, and seasonal and environment variables (temperature and humidity). nanoeTM X and nanoeTM inhibit activity or growth of viruses, but do not prevent infection.



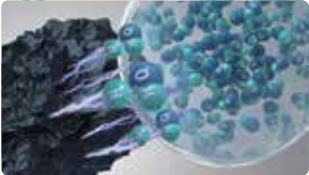
Inhibition of hazardous substances known to be found in PM2.5

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

3 steps on how to inhibit hazardous substances



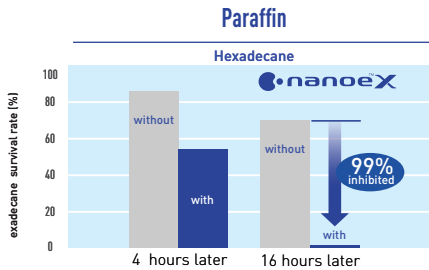
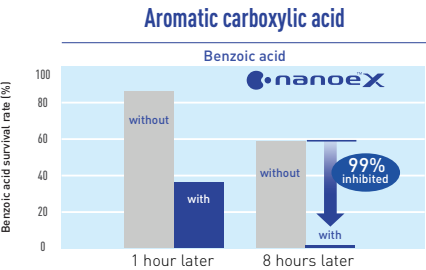
nanoeTM reliably reaches hazardous substance.



OH radicals denature hazardous substances proteins.



Hazardous substance is inhibited.



[Representative evidence]

** : Units based on Panasonic standards

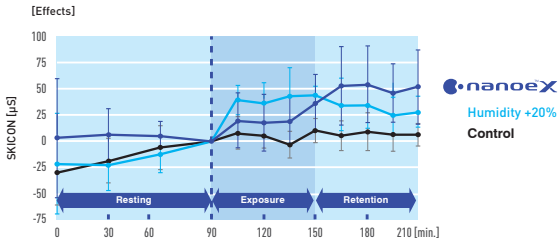
	Hazardous substances	Result**	Capacity	Time (Hr.)	Testing organisation	Report No.
Pollutants	Paraffin(Hexadecane)	99% inhibited	Approx. 23m ³	16	Panasonic Product Analysis Center	Y17NF089
	Aromatic carboxylic acid (Benzoic acid)	99% inhibited	Approx. 23m ³	8	Panasonic Product Analysis Center	Y17NF096
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). nanoeTM X and nanoeTM inhibit activity or growth of viruses, but do not prevent infection.



Moisturised skin, straighter & sleeker hair

nanoeTM X combines with natural sebum to coat the skin, leading to smooth, well-hydrated skin. Furthermore, the abundant moisture found in nanoeTM X hydrates the hair, contributing to straighter, sleeker hair.



nanoeTM 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 ³	1	Panasonic Product Analysis Center	USG-KT-14K-012-TM
	Effective	Standard household	28 days	FCG Research Institute, Inc.	19104
Hair	Effective	Approx. 46m ³	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). nanoeTM X and nanoeTM inhibit activity or growth of viruses, but do not prevent infection.

Test reports of nanoeTM X

The effects of nanoeTM 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

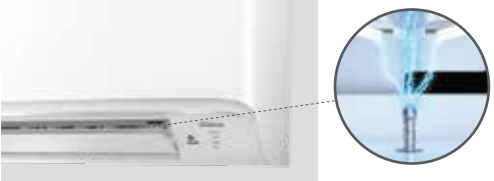


How Inside Cleaning work?



1. POWER "OFF"

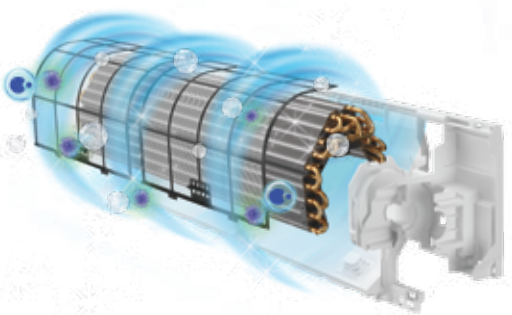
The air-conditioner first has to be turned off.



2. nanoe™ X runs on Fan Operation

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

The indoor unit will automatically run with fan operation for 2.5 hours during the inside cleaning process. The flap will open slightly, allowing airflow to circulate the OH radicals and perform inside cleaning within the air conditioning unit.



3. Effective inhibition with OH 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.

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

Fan Operation : ON
Flap : Flaps slightly open
nanoe™ Technology LED : ON

INSIDE CLEANING

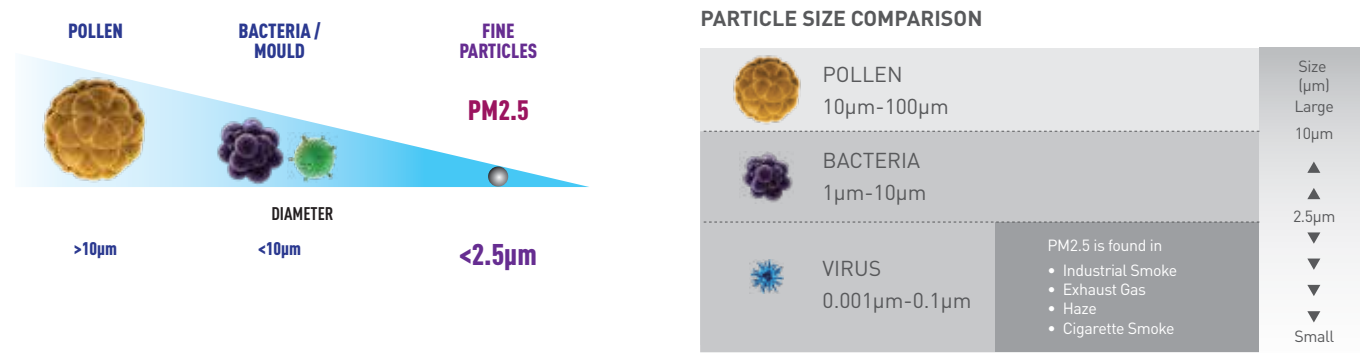
SUBSTANCE NAME	TARGET PARTS	RESULT	CAPACITY	TIME (Hr.)	TESTING ORGANISATION	REPORT NO.
Bacteria <i>Escherichia coli</i> NBRC3301	Filter	99% inhibited [compared to non-operation]	42.8m³	2.5	Protectea,Ltd	PR190803
	Heat exchanger fin	99% inhibited [compared to non-operation]	42.8m³	2.5	Protectea,Ltd	PR190803
	Air outlet	99% inhibited [compared to non-operation]	42.8m³	2.5	Protectea,Ltd	PR191102
Virus <i>Escherichia coli</i> Phage QB NBRC20012	Filter	99% inhibited [compared to non-operation]	42.8m³	2.5	Protectea,Ltd	PR190803
	Heat exchanger fin	99% inhibited [compared to non-operation]	42.8m³	2.5	Protectea,Ltd	PR190803
	Air outlet	99% inhibited [compared to non-operation]	42.8m³	2.5	Protectea,Ltd	PR191102

* Applicable to DELUXE INVERTER 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.

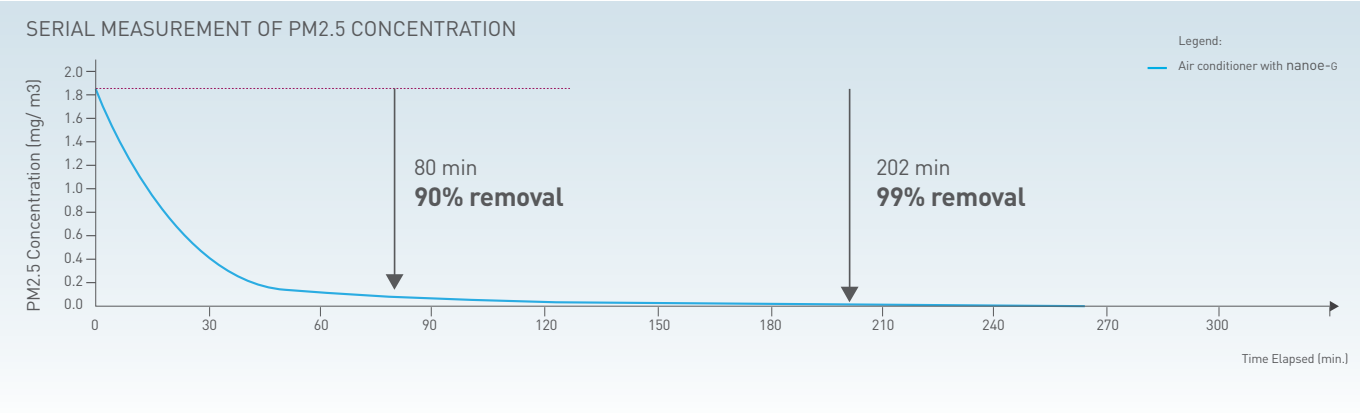


SOURCES OF PM2.5

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	Cigarette smoke [as PM2.5]	Removed by 99% [compared to the initial concentration]	23m³	202 mins.	FCG Research Institute, Inc.	25034

Radiant Cooling For Users' Comfort Cooling

Conventional air conditioners are built to blow cold air downwards and directly at people to cool them instantly. However, when in direct contact with cold air for too long, some people experience discomfort and dry skin.

Inspired by the cooling effect of caves, Doctor Naoshi Kakitsuba investigated the benefits of RADIANT COOLING. He found that this gentler and more even cooling method results in a greater feeling of comfort and wellbeing.

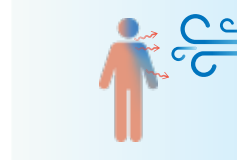


DR NAOSHI KAKITSUBA

DEPT. OF ENVIRONMENTAL
SCIENCE AND TECHNOLOGY,
MEIJO UNIVERSITY JAPAN

THE PRINCIPLE OF RADIANT COOLING

Conventional Cooling

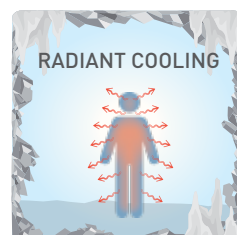


Heat is absorbed by the breeze on the skin, resulting in a cool feeling.

Conventional air conditioner

The breeze directly contacts the body for cooling.

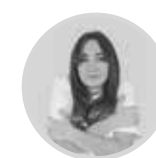
RADIANT COOLING



Heat is absorbed by the cool surrounding walls and ceiling, resulting in a cool feeling.

SKY SERIES

The breeze cools the walls and ceiling, which absorb the body heat.

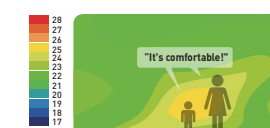
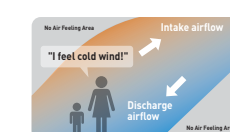
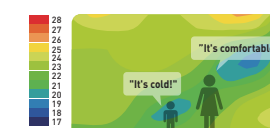


Conventional air conditioner

SKY SERIES

COOLS GENTLY AND EVENLY

The SKY Series makes the room evenly cool, even though no airflow feeling. The cooling system of SKY Series gives comfort based on the principle of RADIANT COOLING.



The temperature in all areas of the room can be evenly set at a comfortable level.

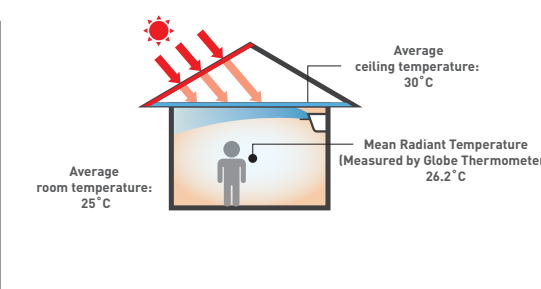
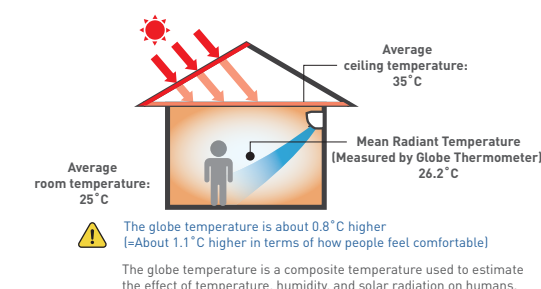
Comfortable in living space with no wind (less than 0.2 m/s*)
*Meter per second



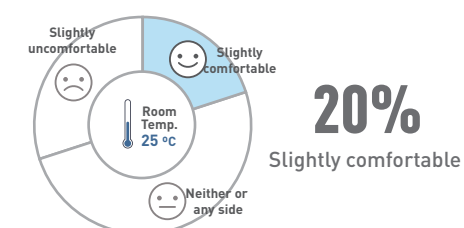
Test conditions: Measured in stable operation at 25°C cooling with fan speed set at "HI."

RADIANT COOLING REMOVES HEAT FROM CEILING AND WALLS

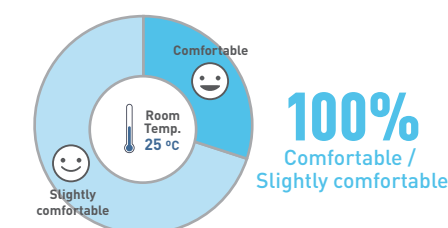
SKY Series makes people comfortable because the radiant heat from ceiling is less.



Sensation evaluation



Measured in stable operation at 25°C cooling with fan speed set at "MEDIUM." The actual average room temperature is the same.



THE BENEFITS OF RADIANT COOLING

SKYWING angles upwards to cool without direct airflow, thus PREVENTING OVERCOOLING AND MAINTAINS SKIN MOISTURE.



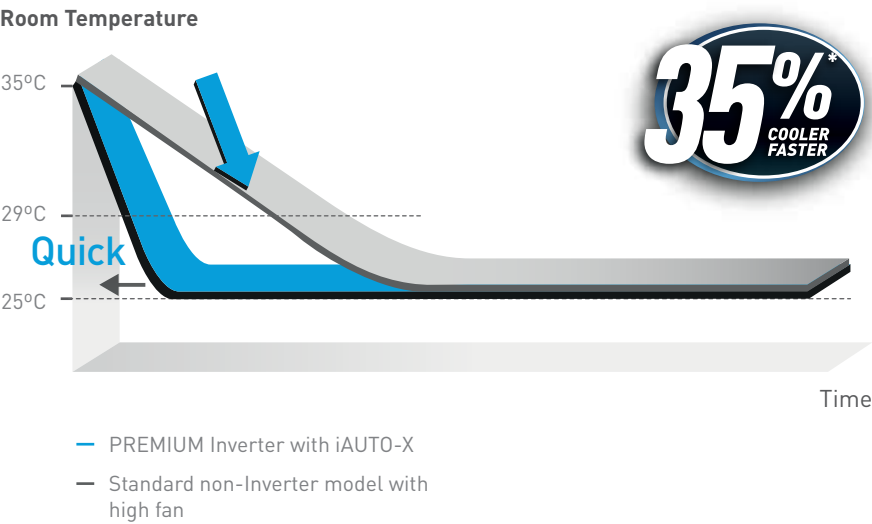
Measured in stable operation at 25°C cooling with fan speed set at "HI."

*Applicable to ELITE INVERTER only.
*All test results are based on internal test.



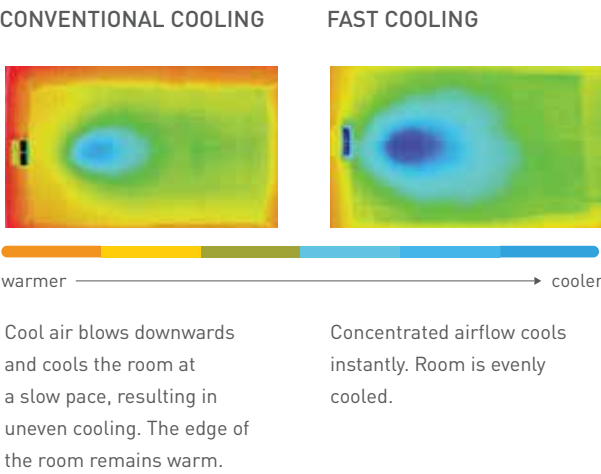
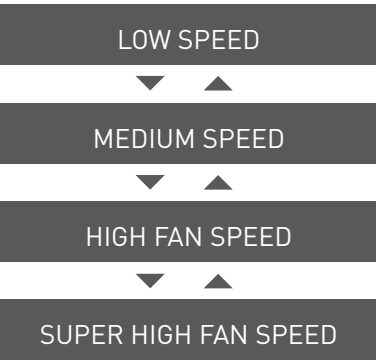
Faster Cooling

iAUTO-X cools you down 35% faster compared to Panasonic Standard non-Inverter model with high fan.



Automatic Fan Speed

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



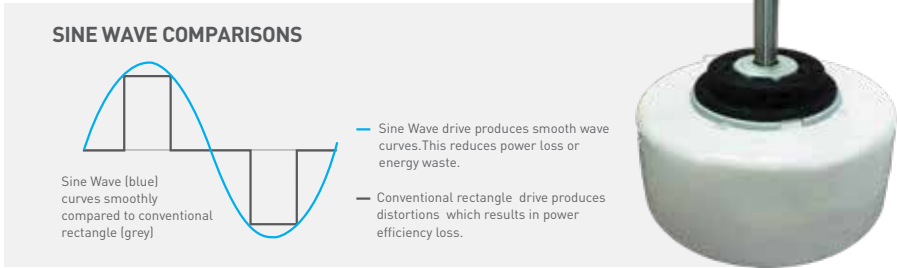
*Applicable to PREMIUM INVERTER only.



True Comfort Is Just A Touch Away

SINE WAVE DRIVE

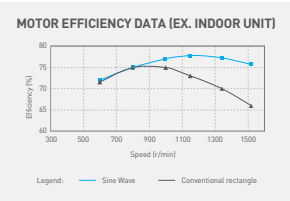
iAUTO utilises high efficient Sine Wave DC motor to realise both powerful cooling and energy saving.



ADVANTAGES OF SINE WAVE

1. EFFICIENCY UP EVEN AT HIGH ROTATIONAL SPEED PER MINUTE (RPM)

Reduced current distortion enables fan motor to start faster, run cooler and perform more efficiently even while running at super high fan speed to help reduce power consumption.



2. STABLE OPERATION

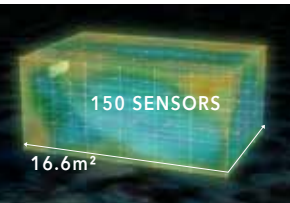
Sine Wave regulates power voltage that is identical to power supplied, ensuring consistent performance and stable operation.

3. LOW VIBRATION

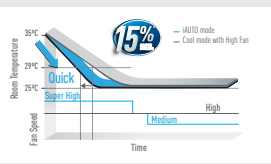
Motor loads run smoother with low vibrations resulting in quieter operation.

QUALITY CONTROL THROUGH SIMULATED LABORATORY TEST

Panasonic carried out testing at our own Environmental Testing Room which simulates a standard living room condition. This makes it possible to ensure the air conditioner operates at optimum performance level under varying conditions.



Testing is done in a large space of 16.6m² to simulate the size of an actual living room. Indoor temperature is measured using 150 sensors to get the average room temperature. This ensures the accuracy of indoor temperature data.



1. FAST COOLING AT START UP

At start up, iAUTO will run at super high fan speed to cool the room faster, 15% faster for cooler comfort.

2. MAINTAIN COOLING COMFORT

Once the room cools down, iAUTO provides constant cool airflow to maintain a comfortable level of relative humidity, to stay cool and comfortable all day long.

3. AUTOMATIC FAN SPEED

iAUTO automatically switches fan speed to high and super high fan speed depending on the temperature difference between the room and the set temperature.










































* Comparison of 1.5HP Non-INVERTER model with iAUTO Mode and Cooling Mode
iAUTO Mode
iAUTO Mode, Outside Temperature: 35°C / 24°C
Remote setting temperature: 25°C with Fan Speed: Auto
Horizontal Airflow direction: Middle, Vertical Airflow direction: Straight

Cooling Mode with High Fan
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 power consumption amount is measured for 2 hours under stable operation.
At Panasonic Amenity Room (size: 16.6m²)
The effect differs according to conditions in installation and usage.






*Applicable to STANDARD INVERTER (2.5HP) and STANDARD NON-INVERTER only.





FEATURES COMPARISON

Split Type	ELITE INVERTER	PREMIUM INVERTER		DELUXE INVERTER	STANDARD INVERTER		STANDARD NON-INVERTER		INVERTER MULTI-SPLIT
	Wall-Mounted								
	CS-VU9UKQ CS-VU12UKQ CS-VU18UKQ	CS-XU9VKQ CS-XU12VKQ	CS-XU18VKQ CS-XU24VKQ CS-XU30VKQ	CS-XPU9WKQ CS-XPU12WKQ CS-XPU18WKQ	CS-PU9WKQ CS-PU12WKQ CS-PU18WKQ	CS-PU24VKQ	CS-PN9UKQ CS-PN12UKQ	CS-PN18UKQ CS-PN24UKQ	CS-S9TKZW CS-S12TKZW CS-MS15TKZ CS-S18TKZW CS-S24TKZW
Cooling Models									
COMFORT									
 Radiant Cooling	●								
 iAUTO-X	●	●	●						
 ECONAVI									●
 Temperature Wave									●
 SLEEP	●	●	●	●	●	●	●	●	●
 Inverter Control	●	●	●	●	●	●			●
 iAUTO						●	●	●	
 Quiet Mode	●	●	●	●	●	●	●	●	●
 Powerful Mode				●	●				●
 Soft Dry Operation Mode	●	●	●	●	●	●	●	●	●
 Personal Airflow Creation	●	●	●						●
 Airflow Direction Control (Up & Down)				●	●	●	●	●	
 Manual Horizontal Airflow Direction Control				●	●	●	●	●	
 ECO Mode with A.I.				●	●				
CLEANER AIR									
 nanoe™ X	●	●	●	●					●
 nanoe-G	●	●	●	●					
 Anti-Dust Coating	●								
 Dust Sensor	●								
 Odour-Removing Function	●	●	●	●	●	●	●	●	●
 Removable, Washable Panel		●	●	●	●	●	●	●	●
CONVENIENCE									
 Wireless LAN Remote Control For Internet Connection	● [Optional]	● [Optional]	● [Optional]	● [Optional]	● [Optional]				● [Optional]
 24-Hour Dual ON & OFF Real Setting Timer	●	●	●	●	●	●			●
 24-Hour ON & OFF Real Setting Timer							●	●	
 LCD Wireless Remote Control	●	●	●	●	●	●	●	●	●
 Wired Remote Control	● [Optional]	● [Optional]	● [Optional]	● [Optional]	● [Optional]	● [Optional]			● [Optional]
RELIABILITY									
 Random Auto Restart (32 Restart Patterns)	●	●	●	●	●	●	●	●	●
 Blue Fin Condenser	●	●	●	●	●	●	●	●	●
 Long Piping (Numbers indicate the maximum pipe length)	20m [VU9/12] 30m [VU18]	20m	30m	20m [XPU9/12] 30m [XPU18]	20m [PU9/12] 30m [PU18]	30m	20m	30m	Refer page 44
 Top-Panel Maintenance Access	●	●	●	●	●	●	●	●	●
 Self-Diagnostic Function	●	●	●	●	●	●			●



FEATURES EXPLANATION

COMFORT



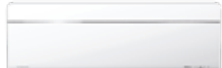






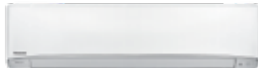
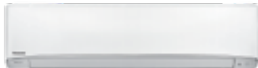
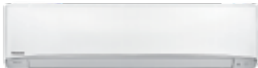












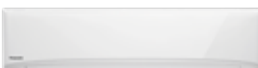




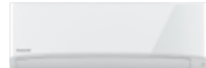
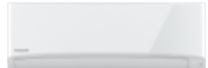
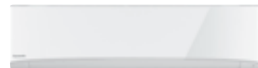
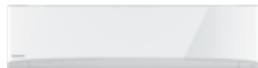





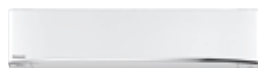
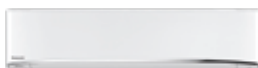



CONVENIENCE		
WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.		LCD WIRELESS REMOTE CONTROL 
24-HOUR DUAL ON & OFF REAL SETTING TIMER This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.		WIRED REMOTE CONTROL 
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.		

RELIABILITY			
RANDOM AUTO RESTART	 (Random)	LONG PIPING	
BLUE FIN CONDENSER		TOP-PANEL MAINTENANCE ACCESS	
SELF-DIAGNOSTIC FUNCTION Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows			

OPTIONAL ACCESSORIES

■ REMOTE CONTROL	
Wired Remote Control  CZ-RD514C	CS-VU9UKQ, CS-VU12UKQ, CS-VU18UKQ CS-XU9VKQ, CS-XU12VKQ, CS-XU18VKQ, CS-XU24VKQ, CS-XU30VKQ CS-XPU9WKQ, CS-XPU12WKQ, CS-XPU18WKQ CS-PU9WKQ, CS-PU12WKQ, CS-PU18WKQ, CS-PU24VKQ CS-S9TKZW, CS-S12TKZW, CS-MS15TKZ, CS-S18TKZW, CS-S24TKZW
Network Adaptor  CZ-TACG1	CS-VU9UKQ, CS-VU12UKQ, CS-VU18UKQ CS-XU9VKQ, CS-XU12VKQ, CS-XU18VKQ, CS-XU24VKQ, CS-XU30VKQ CS-XPU9WKQ, CS-XPU12WKQ, CS-XPU18WKQ CS-PU9WKQ, CS-PU12WKQ, CS-PU18WKQ CS-S9TKZW, CS-S12TKZW, CS-MS15TKZ, CS-S18TKZW, CS-S24TKZW

■ PIPE SIZE REDUCER		■ PIPE SIZE EXPANDER	
Use at the indoor unit's connection port		Use at the outdoor unit's connection port	
 CZ-MA1P	 CZ-MA3P	 CZ-MA2P	
CS-S12TKZW, CS-MS15TKZ, CS-S18TKZW		CS-S24TKZW	
		CS-S24TKZW	

Capacity (Btu/h)	9,000	12,000	15,000	18,000	24,000	30,000	Features
Wall-Mounted ELITE INVERTER Page 32-33	 CS-VU9UKQ (CU-VU9UKQ)	 CS-VU12UKQ (CU-VU12UKQ)		 CS-VU18UKQ (CU-VU18UKQ)			 SKYWING   
Wall-Mounted PREMIUM INVERTER Page 34-35	 CS-XU9VKQ (CU-XU9VKQ)	 CS-XU12VKQ (CU-XU12VKQ)		 CS-XU18VKQ (CU-XU18VKQ)	 CS-XU24VKQ (CU-XU24VKQ)	 CS-XU30VKQ (CU-XU30VKQ)	 AEROWINGS  
Wall-Mounted DELUXE INVERTER Page 36-37	 CS-XPU9WKQ (CU-XPU9WKQ)	 CS-XPU12WKQ (CU-XPU12WKQ)		 CS-XPU18WKQ (CU-XPU18WKQ)			 AEROWINGS  
Wall-Mounted STANDARD INVERTER Page 38-39	 CS-PU9WKQ (CU-PU9WKQ)	 CS-PU12WKQ (CU-PU12WKQ)		 CS-PU18WKQ (CU-PU18WKQ)	 CS-PU24VKQ (CU-PU24VKQ)		    (CS-PU9/12/18WKQ)
Wall-Mounted STANDARD NON-INVERTER Page 40-41	 CS-PN9UKQ (CU-PN9UKQ)	 CS-PN12UKQ (CU-PN12UKQ)		 CS-PN18UKQ (CU-PN18UKQ)	 CS-PN24UKQ (CU-PN24UKQ)		 
Wall-Mounted INVERTER MULTI-SPLIT Page 42-45	 CS-S9TKZW (CU-2S18PKZ) (CU-3S27KKZ)	 CS-S12TKZW (CU-2S18PKZ) (CU-3S27KKZ)	 CS-MS15TKZ (CU-3S27KKZ)	 CS-S18TKZW (CU-3S27KKZ)	 CS-S24TKZW (CU-3S27KKZ)		 AEROWINGS  
WINDOWS Page 46-47							