

PANASONIC AIR CONDITIONERS 2023 / 2024

Residential Air conditioners



nanoe™ X technology



Packaged Air conditioners



VRF Air conditioners



NEW



DAY

NIGHT



24-HOUR PROTECTION

with nanoe™ X + Comfort Cloud

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

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



+



Comfort Cloud App
(Air Connectivity)



*A router with Internet connection is required to connect your air conditioner with the Panasonic Comfort Cloud App. The CZ-TACG1 accessory is required for PREMIUM INVERTER (3.0HP), DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.5HP). Built-in Wireless LAN is only available for PREMIUM INVERTER (1.0HP-2.5HP).

Stay Safe Indoors with 24-Hour nanoe™ X Air Protection¹

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

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

nanoe™ X



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

*Energy consumption may vary depending on models.



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

Smartify Your Air Conditioner Anytime, Anywhere

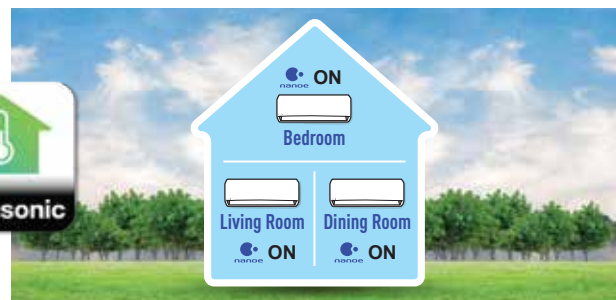
Take control of single or multiple air conditioning units wherever you are. Purify your home with the Panasonic Comfort Cloud App on your mobile device on-the-move.

Purify On-The-Go



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

Control Single or Multiple Units



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

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

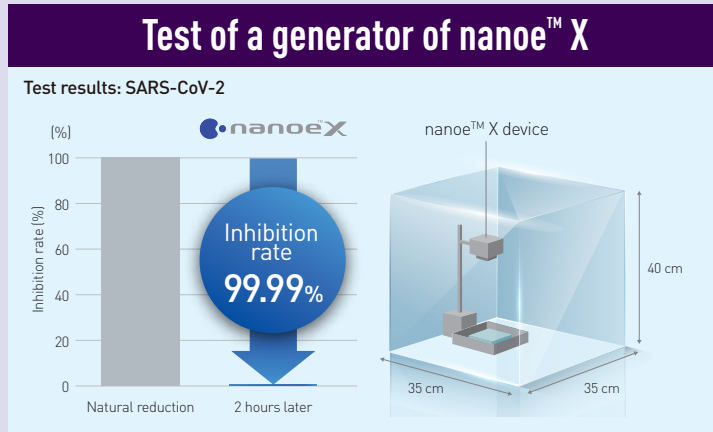
Test Results: Novel Coronavirus Activity Inhibited

Overview

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

Details

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



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

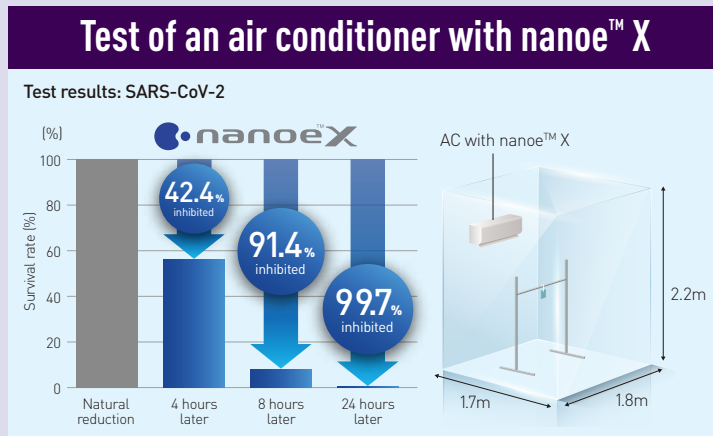


Overview

The objective of this test was to determine if nanoe™ X inhibits the activity of the SARS-CoV-2 virus. Gauze saturated with SARS-CoV-2 virus solution was exposed to an air conditioner with nanoe™ X from a distance of 0.7 m in a 6.7 m³ room for 8 hours. Over 91% of the activity of the SARS-CoV-2 virus was inhibited.

Details

- (1) Testing organisation: Texcell (France)
- (2) Test subject: novel coronavirus (SARS-CoV-2)
- (3) Test volume: 6.7 m³ room (1.7 m x 1.8 m x 2.2 m)
- (4) Exposure time: 8 hours



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



The Development of nanoe™ X Generators

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



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

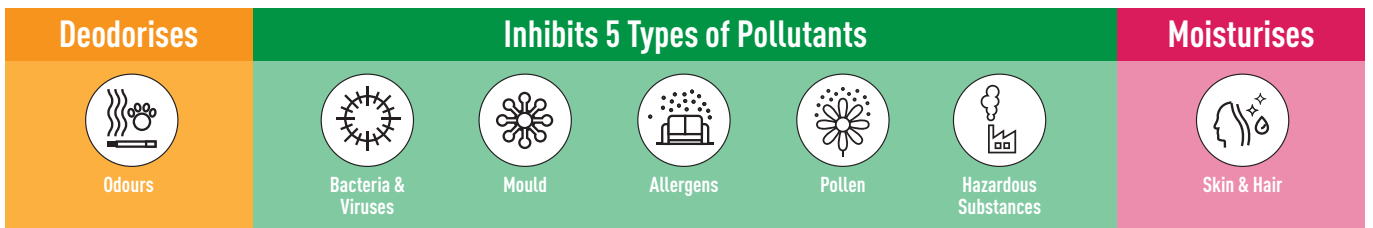
SCAN FOR MORE INFO





7 Effects of nanoe™ X

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



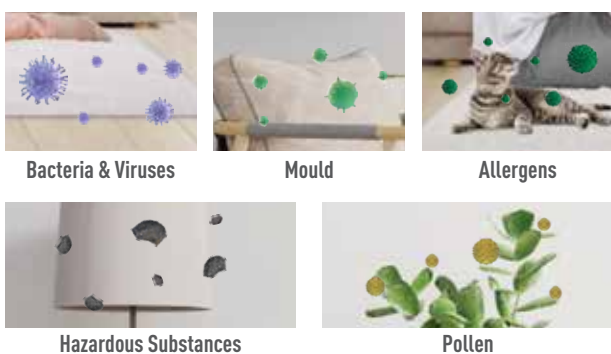
Deodorises Various Types of Odours



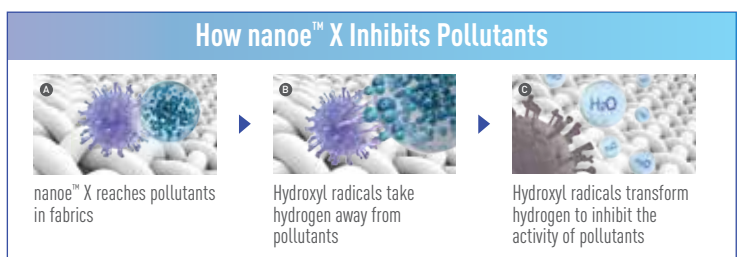
nanoe™ X reduces strong, adhesive odours¹ by deeply penetrating into fabrics, resulting in lasting freshness in your living space.



Inhibits 5 Types of Pollutants

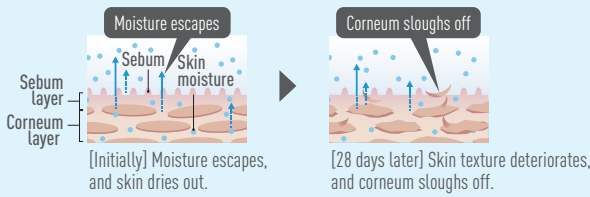


nanoe™ X inhibits airborne and adhered pollutants², providing better air quality for your loved ones.



Moisturises Skin and Hair

Without nanoe™ X



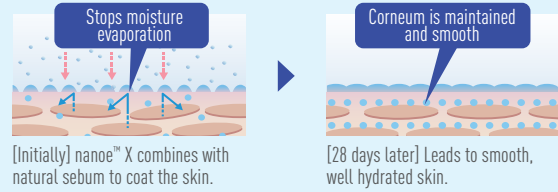
Without nanoe™ X



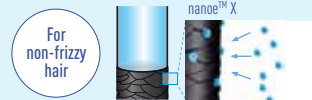
nanoe™ X water particles help to achieve proper moisture balance, resulting in smooth, hydrated skin and hair³.

How nanoe™ X works

Maintain skin moisture



Maintain straighter, smoother hair



Effective in removing 99% of dust particles⁴, nanoe-G releases negative ions to capture dust particles sized as small as PM2.5, carrying them back to the filter to provide a clean and pristine living space.

Dust Removal (PM2.5)



What is PM2.5?

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

POLLEN



>10µm

BACTERIA / MOULD



DIAMETER

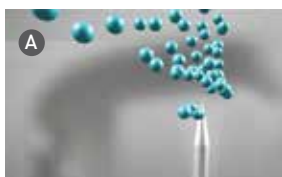
<10µm

FINE PARTICLES

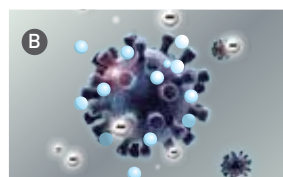
PM2.5

<2.5µm

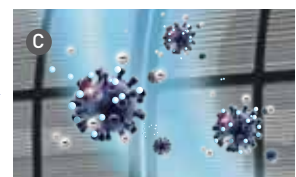
How nanoe-G works



nanoe-G ion generator releases negative ions.



Negative ions attach to dust particles.



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



Manage at Ease Using Panasonic Comfort Cloud App

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

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

XU SERIES WITH BUILT-IN WIRELESS LAN

**NEW
2021**



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

AIR CONDITIONER WITH OPTIONAL NETWORK ADAPTOR



Optional Network Adaptor (CZ-TACG1)

Optional network adaptor is required

Learn more about the Panasonic Comfort App

Find out more about how the Panasonic Comfort Cloud can smartify your air and managing your Air conditioners anytime, anywhere.



Download Free App





Humidity Sensor Optimises An Ideal Sleeping Environment

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



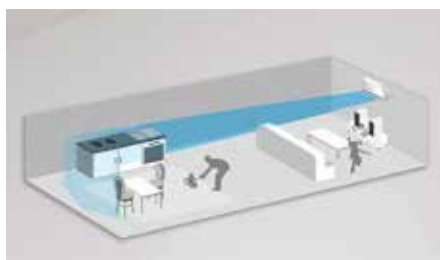
*Applicable to PREMIUM INVERTER (1.0HP - 2.5HP)

Learn more about iAUTO-X and Humidity Sensor

Airflow Efficiency for Optimum Cooling in Every Corner

Panasonic's air conditioning delivers cooling comfort by distributing cool air throughout an entire room to keep your home cool and comfortable all day long.

NEW AEROWINGS



The improved new AEROWINGS gives long air distance as far as 15 meters by incorporating two independently controlled flaps.

*Applicable to PREMIUM INVERTER (1.0HP - 2.5HP)

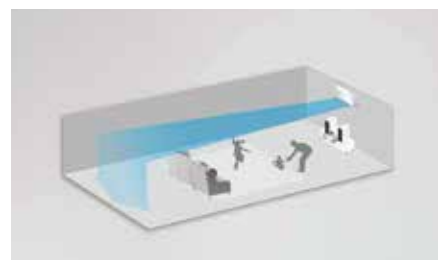
AEROWINGS



AEROWINGS concentrates cool air for further and faster airflow across the room.

*Applicable to PREMIUM INVERTER (3.0HP), DELUXE INVERTER, STANDARD INVERTER (2.5HP) and STANDARD NON-INVERTER (2.0HP - 2.5HP).

BIG FLAP



Big bottom flap directs cooling and comforting air across the room.

*Applicable to STANDARD INVERTER (1.0HP - 2.0HP) and STANDARD NON-INVERTER (1.0HP - 1.5HP).



Powerful Cooling for Instant Cooling Comfort

By activating the 'POWERFUL' mode or 'iAUTO-X' mode, the air conditioner will run both the compressor and indoor fan at higher speed, so you get to enjoy rapid cooling even on the hottest days.



*Applicable to PREMIUM INVERTER (1.0HP - 2.5HP)

*Applicable to DELUXE INVERTER and STANDARD INVERTER (1.0HP - 2.5HP).

NEW

AEROWINGS

Shower Cooling

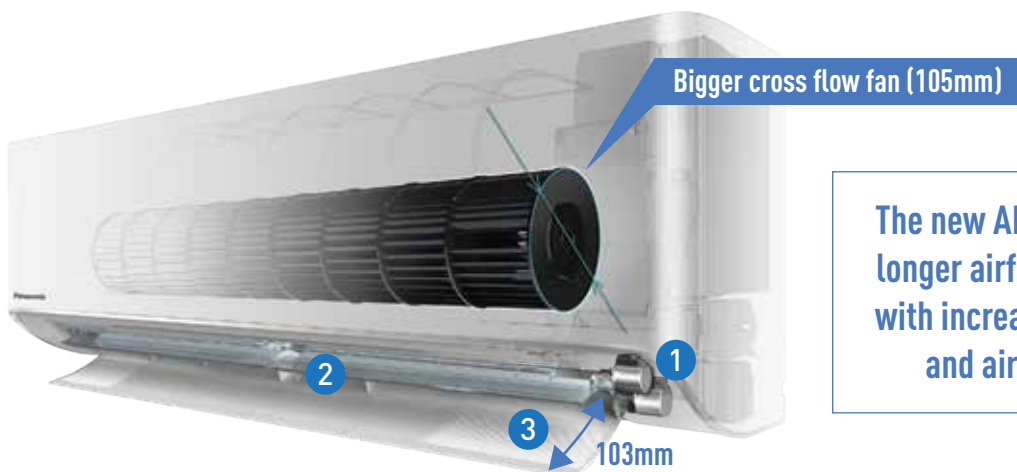
Shower airflow spreads fast, cool and concentrated air across room and to the wall, then showers down gently.

Fast Cooling

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

15 Meters Long Air Distance with The Improved New AEROWINGS¹

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



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

1 2 Independent Motors
Control the Sub-Flap and Bigger Outer Flap separately.

2 Sub-Flap
Compresses and concentrates cool air.

3 Bigger Outer Flap (103mm)
Helps to deliver airflow further.

¹Applicable to PREMIUM INVERTER (1.0HP-2.5HP) only. ²Compared to previous PREMIUM model (1.5HP)

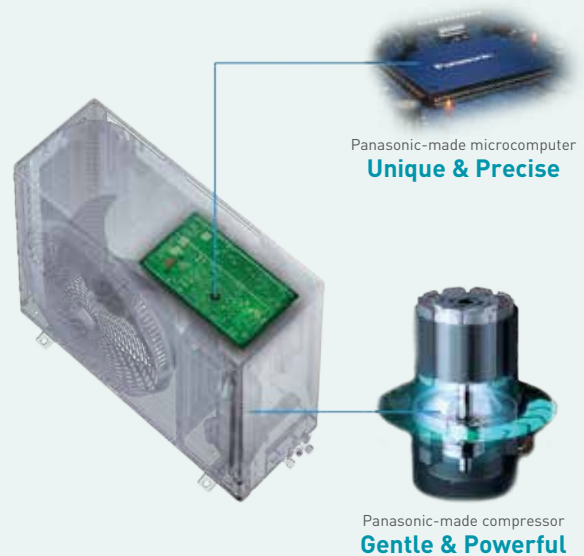
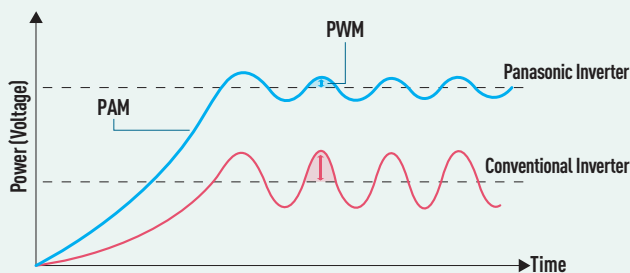


Powerful Performance with Efficiency

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

Quick Cooling and Constant Comfort

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



Benefits of Panasonic Inverter Technology

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



Fast cooling at start-up



Maintain a stable set temperature



Wide output range



Quiet operation

Reasons to Choose Panasonic Inverter Air-Conditioner



Save on Your Electricity Bill

Panasonic inverter air conditioner prevents overcooling or overheating regardless of room size or condition.



Stay Cool Throughout the Day

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



Cut Down on Waiting Time

With powerful and quick start-up, you no longer have to wait to experience refreshing comfort.



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



AI ECO

Intelligently Balances Energy Savings And Comfort

Air conditioners have become an essential appliance in every home. In warmer regions especially, they can be one of the appliances that consume high amounts of energy in a household. This means that energy efficiency is becoming a concern but energy savings should never come at the cost of indoor air quality or the occupants' comfort.

Incorporating Artificial Intelligence (A.I.) into air conditioners can bring about improvements in both energy efficiency and comfort levels. With A.I., it is possible to optimize variables such as input power and temperature control – to provide a good balance between cooling comfort and energy savings.

About Conventional Energy Savings Mode

The energy savings feature has always been a common deciding factor for homeowners when purchasing an air conditioner. An energy saving air conditioner is always a good investment for the long run. It optimises the usage of energy so less power is consumed while still providing the same cooling comfort indoors.



A normal cooling mode merely operates at optimal capacity to cool a room until it reaches the set temperature.

In contrast, the energy savings mode reduces the air conditioner's energy usage by using less power - either by automatically adjusting the compressor to run at minimal speed or operate the air conditioner at a few degrees above set temperature.

While this mode provides significant energy savings, user comfort is often compromised. Air conditioners on energy saving mode lower room temperature gradually to prevent spikes in energy usage, therefore takes longer to cool a room down. Low comfort levels can impact a person's well being and quality of life. Therefore, it is imperative to maintain a comfortable indoor environment while saving energy.

Panasonic ECO mode with A.I. Control For Optimised Energy Savings And Home Comfort



Feeling Comfortable

ECO mode with A.I. works around the ever changing temperature in the room. So whatever the indoor condition may be, you will remain comfortable while conserving energy.



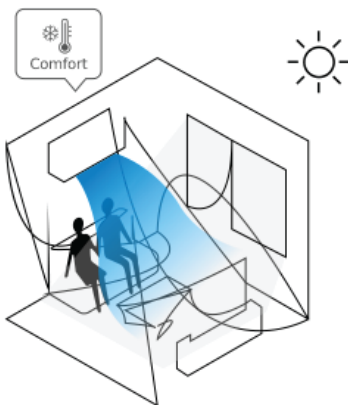
Feeling Less Comfortable

Conventional ECO mode operates at preset settings to save energy without reacting to changes in the condition of the room. This often result in discomfort for the occupants.

A.I. Continuously Gathers Information on Changing Indoor Environment

Each room condition is different from one another and vary through the course of a day. Room size and heat source such as sun light, home appliances as well as body heat with occupants in the room greatly affect condition of a room. The ECO mode with A.I. feature progressively learns the room condition each time this mode is activated based on intake air temperature and operation time until the set temperature is reached. For example, in the morning it can interpret a room is in cool condition when the intake temperature is low and short time is taken to reach the set temperature. By using A.I. to regulate the information of indoor condition, the occupant comfort can be address more efficiently.

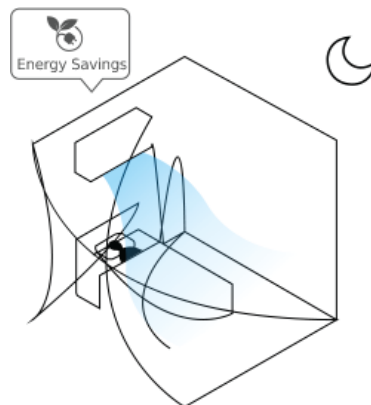
During Day



When Air Conditioner and ECO mode is switched on – Maximize Cooling Comfort

A big warm room with sunlight and multiple appliances require a longer time to reach set temperature and cooling comfort. In this case, ECO mode with A.I. prompts the air conditioner to provide comfort quickly, in the most energy efficient manner.

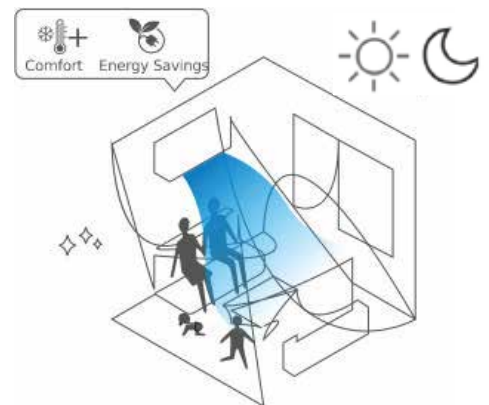
During Day



When Air Conditioner and ECO mode is switched on – Maximize Energy Saving

When the room is cooler at night and with lesser human activity, a shorter time and less input power is needed to reach the set temperature. ECO mode with A.I. constantly adjusts power consumption to minimise energy usage while maintaining a comfortable indoor environment, all through the night.

During Day and Night



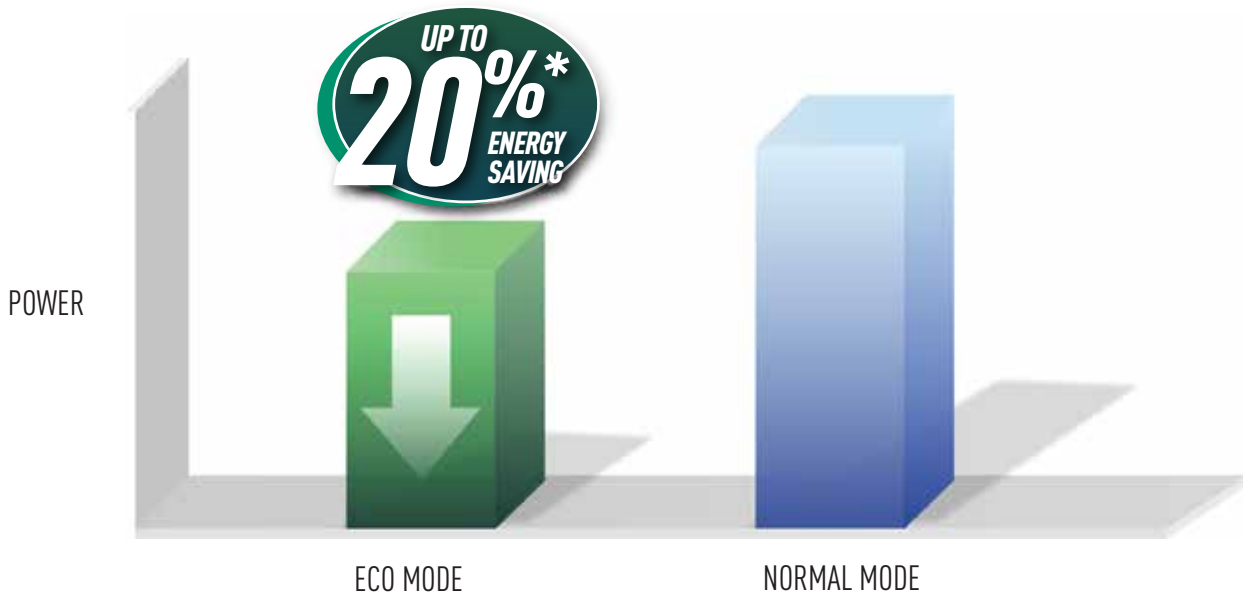
After Reach Set Temperature – Consistent Comfort and Saves Energy

Upon reaching set temperature, this feature continuously gathers information from the fluctuations in the room's environment while the air conditioner is running. It automatically regulates the room's temperature to maintain a comfortable indoor temperature more efficiently.

Comparison of ECO mode with A.I. Control & Normal mode

Panasonic ECO mode with A.I. saves up to 20%* energy compared to normal mode.

*Comparison of ECO mode & Normal mode using 1.5HP inverter model



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

Normal Mode, 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 of installation and usage

Benefits of Panasonic ECO mode with A.I. Control

Incorporating the ECO mode with A.I. feature into air conditioners allow for optimal energy efficiency without affecting user comfort. It progressively analyses the room's condition and reacts accordingly so that the air conditioning unit operates at a perfect balance between providing both comfort and energy savings.



Minimizing your energy consumption

ECO mode with A.I. control prioritises user comfort as it delivers maximum cooling, efficiently. This mode is beneficial for individuals working full time from home, as extra cooling is required in the afternoons while less is required during other parts of the day. This helps their working day to be more effective - by providing a comfortable indoor environment while keeping energy bills low.



Autonomous adjustments for energy savings

Temperatures are typically lower when the sun is down, so the home feels much cooler. Therefore, gradual cooling can be afforded. ECO mode with A.I. is ideal for use at night, when energy consuming full blasts of cool air is unnecessary. This reduces the power consumption to maximise energy savings.



Reacts to indoor environment for your comfort

The environment at home varies throughout the day, depending on indoor activities. ECO mode with A.I. is useful in living spaces where constant changes in the amount of activities occur. When a rise in temperature is detected due to higher levels of human activity, this feature quickly lowers the room temperature to a comfortable level without consuming large amounts of energy.

Energy Efficient & Eco-Friendly Technologies

Panasonic's energy saving technologies such as INVERTER technology, ECO Mode with Artificial Intelligence (A.I.), environment-friendly R32 refrigerants and high CSPF help you make smarter, greener choices for your lifestyle.



Save Energy with Panasonic Inverter Technology



Learn more about Inverter technology

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 while saving energy.

*Applicable to PREMIUM INVERTER, DELUXE INVERTER and STANDARD INVERTER.



Intelligently Balances Energy Savings And Comfort

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

*Applicable to PREMIUM INVERTER (1.0HP - 2.5HP), DELUXE INVERTER and STANDARD INVERTER (1.0HP - 2.5HP).



An Environment-Friendly Refrigerant

Panasonic air conditioners are equipped with the environmentally friendly R32 refrigerant which efficiently carries heat, leading to greater energy savings and cost-effectiveness with lower environmental impact.





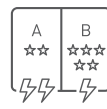
Cooling Seasonal Performance Factor (CSPF)

Panasonic Air Conditioners not only achieved high EER for rated operations, but also have a high Cooling Seasonal Performance Factor - a more realistic energy efficiency measurement based on customer's actual environment of use over an entire year.

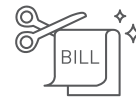
Benefits of Implementing CSPF



A More Realistic Measure of Energy Efficiency



Easy To Identify Energy Savings Value



Reduce Electricity Bills



Reduce Environmental Impact

The adoption of CSPF ratings will greatly benefit you. It provides a more realistic evaluation of 'efficiency' which will be useful to choose the most energy efficient air conditioner model, thereby allowing you to reduce your energy bills and environmental impact.

The Advantages of Seasonal Efficiency VS Rated Efficiency

Factor	Nominal	CSPF
Temperature	Single point of temperature conditions, e.g. outdoor temperature 35°C for cooling. In reality, outdoor temperatures continuously change.	Adopts several rating temperatures for cooling, reflecting actual performance over an entire cooling season.
Cooling Capacity	Calculated based on full capacity. Hence, it is difficult to justify the benefits of INVERTER technology.	Integrates operations at partial load instead of full capacity. Benefits of INVERTER can be easily identified.



Easy to Install & Service

Panasonic air conditioners are durable and designed to fit easily with any interior. Its uniquely designed structure enhances durability, yet conveniently eases installation and maintenance routines.

Fits Easily In Tight Spaces



The compact design allows the unit to fit in tight spaces with a minimum 50mm gap from ceiling and wall.

One-Piece Front Grille



New design with an open concept front grille that pulls right out for easy opening and access.

Built-In Support Holder



A convenient support holder helps to hold the unit up, leaving both your hands free and making it easier for you to work.

Modular Design



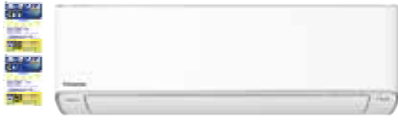
Electronic and wiring components have been integrated and moved to one side for easy servicing.

*Applicable to PREMIUM INVERTER (1.0HP - 2.5HP), DELUXE INVERTER, STANDARD INVERTER (1.0HP - 2.5HP) and STANDARD NON-INVERTER.

Split Type Air conditioner Line-Up

WALL-MOUNTED

PREMIUM *INVERTER* Single-Split Type



CS-XU9XKQ | CS-XU12XKQ



CS-XU18XKQ | CS-XU24XKQ



Wireless
(Standard)



Wireless
CZ-RD514C
(Optional)



MODEL	INDOOR UNIT (60Hz)		CS-XU9XKQ	CS-XU12XKQ	CS-XU18XKQ	CS-XU24XKQ
	OUTDOOR UNIT		CU-XU9XKQ	CU-XU12XKQ	CU-XU18XKQ	CU-XU24XKQ
Cooling Capacity	[min-max]	kW	2.55 (0.92-3.20)	3.50 (1.02-4.20)	5.30 (1.10-6.21)	6.10 (1.12-7.18)
	[min-max]	kJ/h	9,180 (3,310-11,520)	12,600 (3,670-15,120)	19,080 (3,960-22,360)	21,960 (4,030-25,850)
EER	[min-max]	kJ/hW	14.34 (14.71-13.09)	14.00 (14.12-12.81)	15.14 (15.84-13.15)	14.17 (16.12-12.61)
CSPF		W/W	5.81 (★★★★★)	6.53 (★★★★★)	6.92 (★★★★★)	6.81 (★★★★★)
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.1	4.1	5.7	6.9
	Power Input (min-max)	W	640 (225-880)	900 (260-1,180)	1,260 (250-1,700)	1,550 (250-2,050)
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	2.0 (4.2)	2.9 (6.1)	3.4 (7.2)
Air Circulation	Indoor	m³/min (ft³/min)	11.8 (415)	12.5 (440)	18.7 (660)	19.2 (680)
	Outdoor	m³/min (ft³/min)	27.6 (970)	30.9 (1,090)	34.9 (1,230)	46.3 (1,635)
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	38/26/19	40/28/19	44/32/27	45/34/28
	Outdoor (H)	dB (A)	47	48	50	51
Unit Dimensions Indoor (Outdoor)	Height	mm	295 (511)	295 (542)	295 (619)	295 (695)
		inch	11-5/8 (20-1/8)	11-5/8 (21-11/32)	11-5/8 (24-3/8)	11-5/8 (27-3/8)
	Width	mm	870 (650)	870 (780)	1,040 (824)	1,040 (875)
		inch	34-9/32 (25-19/32)	34-9/32 (30-23/32)	40-31/32 (32-15/32)	40-31/32 (34-15/32)
	Depth	mm	229 (230)	229 (289)	244 (299)	244 (320)
		inch	9-1/32 (9-1/16)	9-1/32(11-13/32)	9-5/8 (11-25/32)	9-5/8 (12-5/8)
Packaging Dimensions Indoor (Outdoor)	Height	mm	283 (578)	283 (603)	314 (680)	314 (761)
		inch	11-5/32 (22-25/32)	11-5/32 (23-3/4)	12-3/8 (26-25/32)	12-3/8 (29-31/32)
	Width	mm	952 (784)	952 (891)	1,148 (958)	1,148 (1,049)
		inch	37-1/2 (30-7/8)	37-1/2 (35-3/32)	45-7/32 (37-23/32)	45-7/32 (41-5/16)
	Depth	mm	374 (347)	374 (396)	383 (416)	383 (460)
		inch	14-3/4 (13-11/16)	14-3/4 (15-19/32)	15-3/32 (16-13/32)	15-3/32 (18-1/8)
Net Weight	Indoor / Outdoor	kg (lb)	10 (22) / 18 (40)	10 (22) / 23 (51)	12 (26) / 30 (66)	12 (26) / 39 (86)
Gross Weight	Indoor / Outdoor	kg (lb)	12 (26) / 20 (44)	12 (26) / 25 (55)	14 (31) / 33 (73)	14 (31) / 43 (95)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	15
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-XU9XKQ



CU-XU12XKQ



CU-XU18XKQ



CU-XU24XKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

PREMIUM *INVERTER* Single-Split Type



CS-XU30VKQ



Wireless
(Standard)



Wireless
CZ-RD514C
(Optional)



Network Adaptor
CZ-TACG1
(Optional)



AEROWINGS



INVERTER

MODEL	INDOOR UNIT (60Hz)		CS-XU30VKQ
	OUTDOOR UNIT		CU-XU30VKQ
Cooling Capacity	(min-max)	kW	8.20 (1.15-10.00)
	(min-max)	kJ/h	29,520 (4,140-36,000)
EER	(min-max)	kJ/hW	12.83 (11.83-11.25)
CSPF		W/W	5.70 (★★★★★)
Electrical Data	Voltage	V	230
	Current	A	11.0
	Power Input (min-max)	W	2,300 (350-3,200)
Moisture Removal		L/h (Pt/h)	4.8 (10.1)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	21.3 (750)
	Outdoor	m ³ /min (ft ³ /min)	50.2 (1,770)
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	47/37/34
	Outdoor (H)	dB (A)	53
Unit Dimensions Indoor (Outdoor)	Height	mm	302 (795)
		inch	11-29/32 (31-5/16)
	Width	mm	1,120 (875)
		inch	44-1/8 (34-15/32)
	Depth	mm	241 (320)
		inch	9-1/2 (12-5/8)
Packaging Dimensions Indoor (Outdoor)	Height	mm	287 (899)
		inch	11-5/16 (35-13/32)
	Width	mm	1,190 (1,049)
		inch	46-7/8 (41-5/16)
	Depth	mm	378 (485)
		inch	14-29/32 (19-1/8)
Net Weight	Indoor / Outdoor	kg (lb)	13 (29) / 55 (121)
Gross Weight	Indoor / Outdoor	kg (lb)	15 (33) / 60 (132)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 15.88 (5/8)
Pipe Extension	Chargeless Pipe Length	m	10.0
	Maximum Pipe Length	m	30
	Maximum Elevation Length	m	20
	Additional Refrigerant Gas*	g/m	25
Power Supply			Outdoor

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

OUTDOOR UNIT



CU-XU30VKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

DELUXE *INVERTER* Single-Split Type



CS-XPU9WKQ | CS-XPU12WKQ |
CS-XPU18WKQ



CS-XPU24XKQ



Wireless (Standard)
(CS-XPU9/12/18WKQ)



Wireless (Standard)
(CS-XPU24XKQ)



Wired CZ-RD514C
(Optional)



Network Adaptor CZ-TACG1
(Optional)



MODEL	INDOOR UNIT (60Hz)		CS-XPU9WKQ	CS-XPU12WKQ	CS-XPU18WKQ	CS-XPU24XKQ
	OUTDOOR UNIT		CU-XPU9WKQ	CU-XPU12WKQ	CU-XPU18WKQ	CU-XPU24XKQ
Cooling Capacity	[min-max]	kW	2.54 [0.84-3.10]	3.06 [1.02-3.80]	5.00 [1.10-5.40]	6.10 [1.12-7.18]
	[min-max]	kJ/h	9,140 [3,020-11,160]	11,020 [3,670-13,680]	18,000 [3,960-19,440]	21,960 [4,030-25,850]
EER	[min-max]	kJ/hW	13.64 [13.73-12.61]	14.69 [14.98-11.69]	11.61 [13.66-10.80]	13.31 [16.12-12.61]
CSPF		W/W	5.04 [★★★★★]	5.65 [★★★★★]	5.04 [★★★★★]	6.11 [★★★★★]
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.2	3.4	7.0	7.4
	Power Input (min-max)	W	670 [220-885]	750 [245-1,170]	1,550 [290-1,800]	1,650 [250-2,050]
Moisture Removal		L/h (Pt/h)	1.6 [3.4]	1.7 [3.6]	2.8 [5.9]	3.4 [7.2]
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.3 [365]	10.8 [380]	12.6 [445]	19.2 [680]
	Outdoor	m ³ /min (ft ³ /min)	27.3 [960]	31.6 [1,120]	39.3 [1,390]	34.9 [1,230]
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26/21	38/28/21	44/34/28	45/36/29
	Outdoor (H)	dB (A)	47	48	51	51
Unit Dimensions Indoor (Outdoor)	Height	mm	290 [511]	290 [542]	290 [619]	295 [619]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-7/16 [24-3/8]	11-5/8 [24-3/8]
	Width	mm	779 [650]	779 [780]	779 [824]	1,040 [824]
		inch	30-11/16 [25-19/32]	30-11/16 [30-23/32]	30-11/16 [32-15/32]	40-31/32 [32-15/32]
	Depth	mm	209 [230]	209 [289]	209 [299]	244 [299]
		inch	8-1/4 [9-1/16]	8-1/4 [11-13/32]	8-1/4 [11-25/32]	9-5/8 [11-25/32]
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 [578]	255 [603]	255 [680]	314 [680]
		inch	10-1/16 [22-25/32]	10-1/16 [23-3/4]	10-1/16 [26-25/32]	12-3/8 [26-25/32]
	Width	mm	861 [784]	861 [891]	861 [958]	1,148 [958]
		inch	33-29/32 [30-7/8]	33-29/32 [35-3/32]	33-29/32 [37-23/32]	45-7/32 [37-23/32]
	Depth	mm	364 [347]	364 [396]	364 [416]	383 [416]
		inch	14-11/32 [13-11/16]	14-11/32 [15-19/32]	14-11/32 [16-13/32]	15-3/32 [16-13/32]
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 18 (40)	8 (18) / 23 (51)	9 (20) / 29 (64)	12 (26) / 31 (68)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 20 (44)	9 (20) / 25 (55)	10 (22) / 32 (71)	14 (31) / 34 (75)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	15
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-XPU9WKQ



CU-XPU12WKQ



CU-XPU18WKQ
CU-XPU24XKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

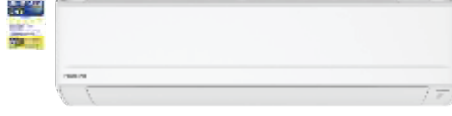
STANDARD **INVERTER** Single-Split Type

NEW



CS-QU9YKQ | CS-QU12YKQ |
CS-QU18YKQ

NEW



CS-QU24YKQ



Wireless
(Standard)



Wired
CZ-RD514C
(Optional)



Network Adaptor
CZ-TACG1
(Optional)

BIG FLAP
(CS-QU9/12/18YKQ)

AEROWINGS
(CS-QU24YKQ)

POWERFUL

INVERTER

AIECO

MODEL	INDOOR UNIT (60Hz)		CS-QU9YKQ	CS-QU12YKQ	CS-QU18YKQ	CS-QU24YKQ
	OUTDOOR UNIT		CU-QU9YKQ	CU-QU12YKQ	CU-QU18YKQ	CU-QU24YKQ
Cooling Capacity	(min-max)	kW	2.54 [0.84-3.10]	3.06 [1.02-3.80]	5.00 [1.10-5.40]	6.10 [1.12-7.18]
	(min-max)	kJ/h	9,140 [3,020-11,160]	11,020 [3,670-13,680]	18,000 [3,960-19,440]	21,960 [4,030-25,850]
EER	(min-max)	kJ/hW	13.64 [13.73-12.61]	14.69 [14.98-11.69]	11.61 [13.66-10.80]	13.31 [16.12-12.61]
CSPF		W/W	5.04 [★★★★★]	5.65 [★★★★★]	5.04 [★★★★★]	6.11 [★★★★★]
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.2	3.4	7.0	7.4
	Power Input (min-max)	W	670 [220-885]	750 [245-1,170]	1,550 [290-1,800]	1,650 [250-2,050]
Moisture Removal		L/h [Pt/h]	1.6 [3.4]	1.7 [3.6]	2.8 [5.9]	3.4 [7.2]
Air Circulation	Indoor	m ³ /min [ft ³ /min]	10.3 [365]	10.8 [380]	12.6 [445]	19.2 [680]
	Outdoor	m ³ /min [ft ³ /min]	27.3 [960]	31.6 [1,120]	39.3 [1,390]	34.9 [1,230]
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26/21	38/28/21	44/34/28	45/36/29
	Outdoor (H)	dB (A)	47	48	51	51
Unit Dimensions Indoor (Outdoor)	Height	mm	290 [511]	290 [542]	290 [619]	295 [619]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-7/16 [24-3/8]	11-5/8 [24-3/8]
	Width	mm	779 [650]	779 [780]	779 [824]	1,040 [824]
		inch	30-11/16 [25-19/32]	30-11/16 [30-23/32]	30-11/16 [32-15/32]	40-31/32 [32-15/32]
	Depth	mm	209 [230]	209 [289]	209 [299]	244 [299]
		inch	8-1/4 [9-1/16]	8-1/4 [11-13/32]	8-1/4 [11-25/32]	9-5/8 [11-25/32]
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 [578]	255 [603]	255 [680]	314 [680]
		inch	10-1/16 [22-25/32]	10-1/16 [23-3/4]	10-1/16 [26-25/32]	12-3/8 [26-25/32]
	Width	mm	861 [784]	861 [891]	861 [958]	1,148 [958]
		inch	33-29/32 [30-7/8]	33-29/32 [35-3/32]	33-29/32 [37-23/32]	45-7/32 [37-23/32]
	Depth	mm	364 [347]	364 [396]	364 [416]	383 [416]
		inch	14-11/32 [13-11/16]	14-11/32 [15-19/32]	14-11/32 [16-13/32]	15-3/32 [16-13/32]
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 18 (40)	8 (18) / 23 (51)	9 (20) / 29 (64)	12 (26) / 31 (68)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 20 (44)	9 (20) / 25 (55)	10 (22) / 32 (71)	14 (31) / 34 (75)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	15
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT

**Blue Fin
Condenser**

**R32
REFRIGERANT**



CU-QU9YKQ



CU-QU12YKQ



CU-QU18YKQ
CU-QU24YKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD **INVERTER** Single-Split Type



**CS-PU9WKQ | CS-PU12WKQ |
CS-PU18WKQ**



CS-PU24XKQ



Wireless
(Standard)



Wired
CZ-RD514C
(Optional)



Network Adaptor
CZ-TACG1
(Optional)

BIG FLAP
(CS-PU9/12/18WKQ)

AEROWINGS
(CS-PU24XKQ)

POWERFUL

INVERTER

AIECO

MODEL	INDOOR UNIT (60Hz)		CS-PU9WKQ	CS-PU12WKQ	CS-PU18WKQ	CS-PU24XKQ
	OUTDOOR UNIT		CU-PU9WKQ	CU-PU12WKQ	CU-PU18WKQ	CU-PU24XKQ
Cooling Capacity	[min-max]	kW	2.54 [0.84-3.10]	3.06 [1.02-3.80]	5.00 [1.10-5.40]	6.10 [1.12-7.18]
	[min-max]	kJ/h	9,140 [3,020-11,160]	11,020 [3,670-13,680]	18,000 [3,960-19,440]	21,960 [4,030-25,850]
EER	[min-max]	kJ/hW	13.64 [13.73-12.61]	14.69 [14.98-11.69]	11.61 [13.66-10.80]	13.31 [16.12-12.61]
CSPF		W/W	5.04 [★★★★★]	5.65 [★★★★★]	5.04 [★★★★★]	6.11 [★★★★★]
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.2	3.4	7.0	7.4
	Power Input (min-max)	W	670 [220-885]	750 [245-1,170]	1,550 [290-1,800]	1,650 [250-2,050]
Moisture Removal		L/h (Pt/h)	1.6 [3.4]	1.7 [3.6]	2.8 [5.9]	3.4 [7.2]
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.3 [365]	10.8 [380]	12.6 [445]	19.2 [680]
	Outdoor	m ³ /min (ft ³ /min)	27.3 [960]	31.6 [1,120]	39.3 [1,390]	34.9 [1,230]
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26/21	38/28/21	44/34/28	45/36/29
	Outdoor (H)	dB (A)	47	48	51	51
Unit Dimensions Indoor (Outdoor)	Height	mm	290 [511]	290 [542]	290 [619]	295 [619]
		inch	11-7/16 [20-1/8]	11-7/16 [21-11/32]	11-7/16 [24-3/8]	11-5/8 [24-3/8]
	Width	mm	779 [650]	779 [780]	779 [824]	1,040 [824]
		inch	30-11/16 [25-19/32]	30-11/16 [30-23/32]	30-11/16 [32-15/32]	40-31/32 [32-15/32]
	Depth	mm	209 [230]	209 [289]	209 [299]	244 [299]
		inch	8-1/4 [9-1/16]	8-1/4 [11-13/32]	8-1/4 [11-25/32]	9-5/8 [11-25/32]
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 [578]	255 [603]	255 [680]	314 [680]
		inch	10-1/16 [22-25/32]	10-1/16 [23-3/4]	10-1/16 [26-25/32]	12-3/8 [26-25/32]
	Width	mm	861 [784]	861 [891]	861 [958]	1,148 [958]
		inch	33-29/32 [30-7/8]	33-29/32 [35-3/32]	33-29/32 [37-23/32]	45-7/32 [37-23/32]
	Depth	mm	364 [347]	364 [396]	364 [416]	383 [416]
		inch	14-11/32 [13-11/16]	14-11/32 [15-19/32]	14-11/32 [16-13/32]	15-3/32 [16-13/32]
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 18 (40)	8 (18) / 23 (51)	9 (20) / 29 (64)	12 (26) / 31 (68)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 20 (44)	9 (20) / 25 (55)	10 (22) / 32 (71)	14 (31) / 34 (75)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10.0	10.0
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	15
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-PU9WKQ



CU-PU12WKQ



**CU-PU18WKQ
CU-PU24XKQ**

Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD **INVERTER** Single-Split Type



CS-PU36WKQ



Wireless
(Standard)

POWERFUL



MODEL	INDOOR UNIT		OUTDOOR UNIT	
	[60Hz]		CS-PU36WKQ	
			CU-PU36WKQ	
Cooling Capacity	(min-max)	kW	10.0 (2.7-11.0)	
	(min-max)	kJ/h	36,000 (9,720-39,600)	
EER	(min-max)	kJ/hW	10.8 (17.1-10.6)	
Electrical Data	Voltage	V	230	
	Current	A	15.0	
	Power Input (min-max)	W	3,330 (570-3,730)	
Moisture Removal		L/h (Pt/h)	4.4 (9.4)	
Air Circulation	Indoor	m ³ /min (ft ³ /min)	24.0 (847)	
	Outdoor	m ³ /min (ft ³ /min)	82.2 (2,902)	
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	49/39	
	Outdoor (H)	dB (A)	57	
Unit Dimensions Indoor (Outdoor)	Height	mm	295 (955)	
		inch	11-5/8 (37-5/8)	
	Width	mm	1,160 (1,100)	
		inch	45-11/16 (43-5/16)	
	Depth	mm	255 (370)	
		inch	10-1/16 (14-19/32)	
Packaging Dimensions Indoor (Outdoor)	Height	mm	375 (1,018)	
		inch	14-25/32 (40-3/32)	
	Width	mm	1,250 (1,305)	
		inch	49-7/32 (51-13/32)	
	Depth	mm	331 (535)	
		inch	13-1/16 (21-3/32)	
Net Weight	Indoor / Outdoor	kg (lb)	14 (31) / 76 (168)	
Gross Weight	Indoor / Outdoor	kg (lb)	20 (44) / 85 (187)	
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	
	Gas Side	mm (inch)	ø 15.88 (5/8)	
Pipe Extension	Chargeless Pipe Length	m	10.0	
	Maximum Pipe Length	m	30	
	Maximum Elevation Length	m	20	
	Additional Refrigerant Gas*	g/m	25	
Power Supply			Outdoor	

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

OUTDOOR UNIT



CU-PU36WKQ

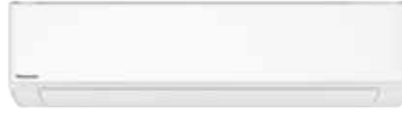
Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD NON-INVERTER Single-Split Type



CS-PN9XKQ | CS-PN12XKQ



CS-PN18XKQ | CS-PN24XKQ



Wireless
(Standard)

BIG FLAP

(CS-PN9/12XKQ)

AEROWINGS

(CS-PN18/24XKQ)

POWERFUL

MODEL	INDOOR UNIT (60Hz)		CS-PN9XKQ	CS-PN12XKQ	CS-PN18XKQ	CS-PN24XKQ
	OUTDOOR UNIT		CU-PN9XKQ	CU-PN12XKQ	CU-PN18XKQ	CU-PN24XKQ
Cooling Capacity	[min-max]	kW	2.67	3.55	5.25	6.80
	[min-max]	kJ/h	9,610	12,780	18,900	24,480
EER	[min-max]	kJ/hW	11.2	11.5	11.2	11.4
CSPF		W/W	3.30 (★)	3.40 (★★)	3.30 (★★)	3.37 (★★)
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.8	4.9	7.4	9.6
	Power Input (min-max)	W	860	1,110	1,690	2,140
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	2.1 (4.4)	2.9 (6.1)	3.9 (8.2)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.4 (367)	11.5 (406)	17.9 (632)	20.5 (724)
	Outdoor	m ³ /min (ft ³ /min)	29.2 (1,030)	33.6 (1,190)	36.9 (1,300)	52.5 (1,850)
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26	40/29	43/39	47/42
	Outdoor (H)	dB (A)	49	50	54	55
Unit Dimensions Indoor (Outdoor)	Height	mm	290 (511)	290 (542)	295 (619)	295 (695)
		inch	11-7/16 (20-1/8)	11-7/16 (21-11/32)	11-5/8 (24-3/8)	11-5/8 (27-3/8)
	Width	mm	779 (650)	779 (780)	1,040 (824)	1,040 (875)
		inch	30-11/16 (25-19/32)	30-11/16 (30-23/32)	40-31/32 (32-15/32)	40-31/32 (34-15/32)
	Depth	mm	209 (230)	209 (289)	244 (299)	244 (320)
		inch	8-1/4 (9-1/16)	8-1/4 (11-13/32)	9-5/8 (11-25/32)	9-5/8 (12-5/8)
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 (578)	255 (603)	314 (680)	314 (761)
		inch	10-1/16 (22-25/32)	10-1/16 (23-3/4)	12-3/8 (26-25/32)	12-3/8 (29-31/32)
	Width	mm	861 (784)	861 (891)	1,148 (958)	1,148 (1,049)
		inch	33-29/32 (30-7/8)	33-29/32 (35-3/32)	45-7/32 (37-23/32)	45-7/32 (41-5/16)
	Depth	mm	364 (347)	364 (396)	383 (416)	383 (460)
		inch	14-11/32 (13-11/16)	14-11/32 (15-19/32)	15-3/32 (16-13/32)	15-3/32 (18-1/8)
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 21 (46)	8 (18) / 28 (62)	12 (26) / 35 (77)	12 (26) / 54 (119)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 23 (51)	9 (20) / 30 (66)	14 (31) / 38 (84)	14 (31) / 58 (128)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)	ø 15.88 (5/8)
Pipe Extension	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.

OUTDOOR UNIT



CU-PN9XKQ



CU-PN12XKQ



CU-PN18XKQ



CU-PN24XKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD NON-INVERTER Single-Split Type **NEW**



CS-PN9XKQ | CS-PN12XKQ



CS-PN18XKQ | CS-PN24XKQ



Wireless
[Standard]

BIG FLAP | AEROWINGS | POWERFUL

[CS-PN9/12XKQ]

[CS-PN18/24XKQ]

MODEL	INDOOR UNIT (60Hz)		CS-PN9XKQ	CS-PN12XKQ	CS-PN18XKQ	CS-PN24XKQ
	OUTDOOR UNIT		CU-PN9XKQ	CU-PN12XKQ	CU-PN18XKQ	CU-PN24XKQ
Cooling Capacity	[min-max]	kW	2.67	3.55	5.25	6.80
	[min-max]	kJ/h	9,610	12,780	18,900	24,480
EER	[min-max]	kJ/hW	11.2	11.5	11.2	11.4
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.8	4.9	7.4	9.6
	Power Input (min-max)	W	860	1,110	1,690	2,140
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	2.1 (4.4)	2.9 (6.1)	3.9 (8.2)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.4 (367)	11.5 (406)	17.9 (632)	20.5 (724)
	Outdoor	m ³ /min (ft ³ /min)	29.2 (1,030)	33.6 (1,190)	36.9 (1,300)	52.5 (1,850)
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26	40/29	43/39	47/42
	Outdoor (H)	dB (A)	49	50	54	55
Unit Dimensions Indoor (Outdoor)	Height	mm	290 (511)	290 (542)	295 (619)	295 (695)
		inch	11-7/16 (20-1/8)	11-7/16 (21-11/32)	11-5/8 (24-3/8)	11-5/8 (27-3/8)
	Width	mm	779 (650)	779 (780)	1,040 (824)	1,040 (875)
		inch	30-11/16 (25-19/32)	30-11/16 (30-23/32)	40-31/32 (32-15/32)	40-31/32 (34-15/32)
	Depth	mm	209 (230)	209 (289)	244 (299)	244 (320)
		inch	8-1/4 (9-1/16)	8-1/4 (11-13/32)	9-5/8 (11-25/32)	9-5/8 (12-5/8)
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 (578)	255 (603)	314 (680)	314 (761)
		inch	10-1/16 (22-25/32)	10-1/16 (23-3/4)	12-3/8 (26-25/32)	12-3/8 (29-31/32)
	Width	mm	861 (784)	861 (891)	1,148 (958)	1,148 (1,049)
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	Depth	mm	364 (347)	364 (396)	383 (416)	383 (460)
		inch	14-11/32 (13-11/16)	14-11/32 (15-19/32)	15-3/32 (16-13/32)	15-3/32 (18-1/8)
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 21 (46)	8 (18) / 28 (62)	12 (26) / 35 (77)	12 (26) / 54 (119)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 23 (51)	9 (20) / 30 (66)	14 (31) / 38 (84)	14 (31) / 58 (128)
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm (inch)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)	ø 15.88 (5/8)
Pipe Extension	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.

OUTDOOR UNIT



CU-PN9XKQ



CU-PN12XKQ






CU-PN18XKQ



CU-PN24XKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED








Split Type	PREMIUM INVERTER		DELUXE INVERTER	STANDARD INVERTER		STANDARD NON-INVERTER
Cooling Models	CS-XU9XKQ CS-XU12XKQ CS-XU18XKQ CS-XU24XKQ	CS-XU30VKQ	CS-XPU9WKQ CS-XPU12WKQ CS-XPU18WKQ CS-XPU24XKQ	CS-QU9YKQ CS-QU12YKQ CS-QU18YKQ CS-QU24YKQ	CS-PU9WKQ CS-PU12WKQ CS-PU18WKQ CS-PU24XKQ	CS-PN9XKQ CS-PN12XKQ CS-PN18XKQ CS-PN24XKQ
						
COMFORT						
 iAUTO-X	●	●				
 Powerful Mode			●	●	●	
 Humidity Sensor	●					
 ECO Mode with A.I.	●		●	●		
 Inverter Control	●	●	●	●		
 SLEEP	●	●	●	●		●
 Quiet Mode	●	●	●	●		●
 Soft Dry Operation Mode	●	●	●	●		●
 Personal Airflow Creation	●	●	[XPU24]			
 Airflow Direction Control (Up & Down)			[XPU9/12/18]	●		●
 Manual Horizontal Airflow Direction Control			[XPU9/12/18]	●		●
 ECONAVI						
 Temperature Wave						
CLEANER AIR						
 nanoe™ X	● [Mark 2]	● [Mark 1]	● [Mark 1]			
 nanoe-G	●	●	●			
 Odour-Removing Function	●	●	●	●		●
 Removable, Washable Panel	●	●	●	●		●
CONVENIENCE						
 24-Hour Dual ON & OFF Real Setting Timer	●	●	●	●		
 24-Hour ON & OFF Real Setting Timer						●
 LCD Wireless Remote Control	●	●	●	●		●
 Wireless LAN Remote Control For Internet Connection	● [Built-in]	● [Optional]	● [Optional]	● [Optional]	● [Optional]	
 Wired Remote Control	● [Optional]	● [Optional]	● [Optional]	● [Optional]	● [Optional]	
RELIABILITY						
 Random Auto Restart (32 Restart Patterns)	●	●	●	●	●	●
 Blue Fin Condenser	●	●	●	●	●	●
 Long Piping (Numbers indicate the maximum pipe length)	20m [XU9/12] 30m [XU18/24]	30m	20m [XPU9/12] 30m [XPU18/24]	20m [QU9/12] [PU9/12] 30m [QU18/24] [PU18/24]		20m [PN9/12] 30m [PN18/24]
 Top-Panel Maintenance Access	●	●	●	●	●	●
 Self-Diagnostic Function	●	●	●	●	●	

ONE SYSTEM THAT HOUSES ALL

Panasonic Multi-Split Air Conditioning System with R32 Refrigerant

Panasonic's Multi-Split Air Conditioning System with the environmentally friendly R32 refrigerant offers flexible multi-zone cooling solutions with just one outdoor unit, perfect for installation with limited outdoor spaces. Connects up to 4 rooms with independent indoor operational control and a vast selection of indoor types from a wide cooling capacity range. Enjoy a comfortable and cleaner living space with our customisable multi-split system.



Model	System 2	System 3	System 4	
	CU-2U18YBZ	CU-3U27YBZ	CU-4U28YBZ	CU-4U34YBZ
Capacity Range (kW) Rated (Min - Max)	 5.10 (1.50 - 6.10)	 7.50 (2.80 - 9.50)	 8.00 (2.80 - 10.20)	 9.50 (2.90 - 11.50)
Indoor Selection	 X-DELUXE INVERTER R32	 STANDARD INVERTER R32	 SLIM DUCTED	

BENEFITS OF PANASONIC MULTI-SPLIT SYSTEM

Panasonic Multi-Split system offers installation versatility, independent control, space saving while maintaining great efficiency.



VARIOUS COMBINATIONS FOR DIFFERENT NEEDS

Multiple types of indoor units are available for you to choose from based on your needs, preferences, and interior layouts. The various combinations of indoor units offer an ideal multi-zone cooling solution for your home.



INDEPENDENT INDOOR UNIT OPERATIONAL CONTROL

Multiple indoor units are connected independently to the outdoor unit, enabling each indoor unit to be controlled separately.



IDEAL SOLUTION FOR LIMITED SPACES

A tidier solution is to install only one outdoor unit rather than multiple outdoor units. This is great for residential buildings with limited outdoor unit installation.



BETTER HEAT DISPERSION TO MAINTAIN EFFICIENCY

Since the outdoor unit releases hot air out to the environment during the cooling operation, placing multiple outdoor units in a narrow space may cause overheating and potentially damage or shorten the lifespan of the outdoor units. Meanwhile, a single outdoor unit provides better air circulation and heat dispersion, while maintaining cooling performance and efficiency.

PANASONIC MULTI-SPLIT OUTDOOR


Panasonic Multi-Split Outdoor is designed to produce increased cooling capacity indoors to accommodate large spaces. It is energy saving with its high energy efficiency by using the inverter technology and R32 refrigerant gas. The outdoor unit offers flexibility up to 11.50kW and up to 4 ports. It is equipped with chargeless gas for easy installation and is durable outdoors. The compact design and long piping provides greater installation flexibility for indoor units.

<p>Connectable up to 2 indoor units</p>  <p>CU-2U18YBZ</p>	<p>Connectable up to 3 indoor units</p>  <p>CU-3U27YBZ</p>	<p>Connectable up to 4 indoor units</p>  <p>CU-4U28YBZ CU-4U34YBZ</p>
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COPPER TUBE CONDENSER

ENERGY EFFICIENCY



Panasonic *INVERTER* technology
Quick Cooling and Constant Comfort

 <p>Panasonic-made microcomputer Unique & Precise</p>	 <p>Panasonic-made compressor Gentle & Powerful</p>
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Panasonic air conditioners are equipped with the environmentally friendly R32 refrigerant which efficiently carries heat, leading to greater energy and cost-effectiveness with lower environmental impact.



Panasonic Inverter technology controls the temperature precisely to provide consistent cooling comfort while saving energy.

WIDE COOLING CAPACITY RANGE

With maximum outdoor cooling capacity range of up to 11.50kW*, a single outdoor unit can now be connected to indoor units of higher cooling capacity range, offering more flexibility to scale cooling operation according to different needs and preferences.

Outdoor unit	Outdoor Cooling Capacity kW Rated (min-max)	Max. indoor units combination
CU-2U18YBZ	5.10 (1.50 - 6.10)	8.5kW
CU-3U27YBZ	7.50 (2.80 - 9.50)	14.8kW
CU-4U28YBZ	8.0 (2.80 - 10.20)	16.2kW
CU-4U34YBZ	9.50 (2.90 - 11.50)	17.6kW

*Up to 11.50kW apply to CU-4U34YBZ.

Min Power Max Power



The diagram illustrates the power range of the outdoor unit. A horizontal bar at the top shows a color gradient from light blue (Min Power) to dark blue (Max Power). Below this, three scenarios are shown in separate frames: 1. A person working at a desk (Min Power). 2. A family in a living room (Medium Power). 3. A group of people in a large dining area (Max Power). A Panasonic outdoor unit is shown at the bottom, connected to these scenarios.

FLEXIBLE DESIGN

With more compact outdoor units and extended pipe length, the system is your solution to overcoming space and installation limitations. Mix and match the indoor units depending on capacity requirements and interior room layout.

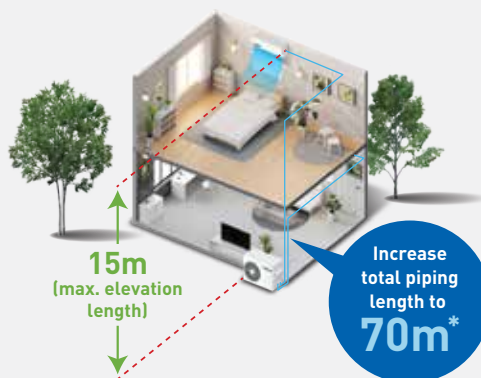


Flexible to install in large space and open concept area

Space saving outdoor units



Long piping ensures installation flexibility



*CU-4U28YBZ and CU-4U34YBZ

EASY INSTALLATION

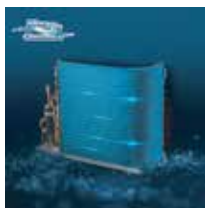
Installation is made easier and flexible with the new improved outdoor units. No additional cost for refrigerant gas is required to fill up the outdoor unit on initial installation, even with the extended pipe length.



DURABLE OUTDOOR



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



Corrosion-Resistant and Anti-Rust Blue Fin Condenser



Better Heat Transfer with Copper Tube Condenser



Corrosion-Resistant Outdoor Coating



Water-Resistant Printed Circuit Board (PCB)

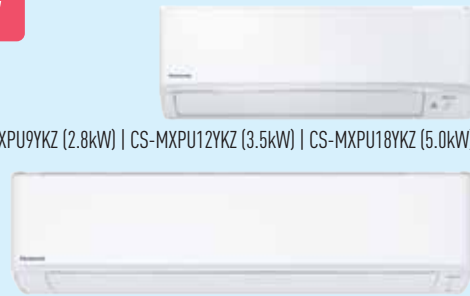
X-DELUXE *INVERTER* R32 **NEW**

The X-Deluxe Inverter R32 comes with nanoe™ X air purification system to provide 24-hour nanoe™ X protection while AEROWINGS provides further and faster airflow. Comes with a built-in network adaptor that helps connect to the Panasonic Comfort Cloud App and gain remote access to control the air conditioning units anytime, anywhere.



Scan to know more

CS-MXPU9YKZ (2.8kW) | CS-MXPU12YKZ (3.5kW) | CS-MXPU18YKZ (5.0kW)



CS-MXPU24YKZ (6.0kW) | CS-MXPU28YKZ (7.1kW)



AEROWINGS

POWERFUL



nanoe-G

24-HOUR nanoe™ X PROTECTION

Activate nanoe™ X all day long to stay safe with quality indoor air. nanoe™ X effectively inhibits novel coronavirus and various types of pollutants, reduces odour as well as moisturises skin and hair.



Inhibits 5 Types of Pollutants



Bacteria & Viruses



Mould



Allergens



Pollen



Hazardous Substances

Deodorises



Odours

Moisturises



Skin & Hair



CONVENIENT CENTRALISED CONTROL

With the built-in network adaptor connectable to Panasonic Comfort Cloud App, control and monitor all air conditioning units from mobile devices remotely. Turn on nanoe™ X when you are away from home or schedule timer according to your lifestyle needs, and monitor energy consumption conveniently.

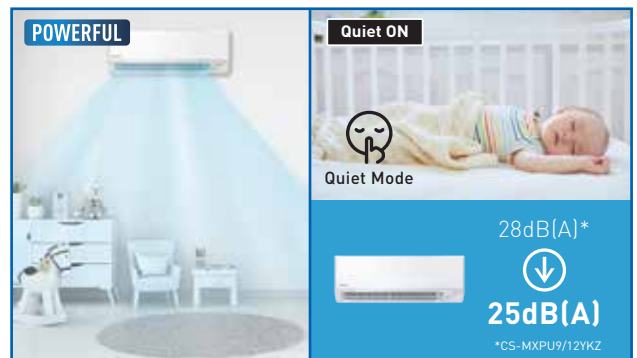


INSTANT COOLING COMFORT WITH POWERFUL MODE OR QUIET MODE

The AEROWINGS twin flaps shower cooling feature directs cool air further and faster across the room and to the wall. It then showers down gently to cool you rapidly while avoiding direct cooling. Switch on POWERFUL Mode to enjoy cooling comfort instantly, even on a hot day. Reduce indoor noise levels by 3dB(A) and enjoy uninterrupted sleep quality with QUIET Mode.



Press 'POWERFUL' once to switch ON POWERFUL Mode



Note: Illustrations of app screens may differ from the actual screen appearance.

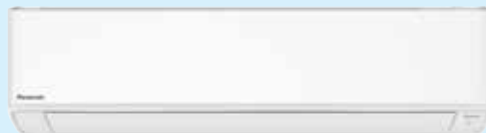
STANDARD *INVERTER* R32 **NEW**

The Standard Inverter R32 series provides instant cooling upon start-up with POWERFUL Mode. For cooling comfort, AEROWINGS delivers further and faster airflow, while Big Flap directs cool air across the room. With an optional network adaptor, you can control the air conditioning units with the Panasonic Comfort Cloud App anytime, anywhere.

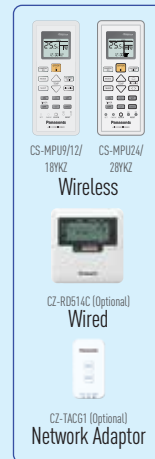


Scan to know more

CS-MPU9YKZ (2.8kW) | CS-MPU12YKZ (3.5kW) | CS-MPU18YKZ (5.0kW)



CS-MPU24YKZ (6.0kW) | CS-MPU28YKZ (7.1kW)



BIG FLAP
(CS-MPU9/12/18YKZ)

AEROWINGS
(CS-MPU24/28YKZ)



POWERFUL



CONVENIENT CENTRALISED CONTROL

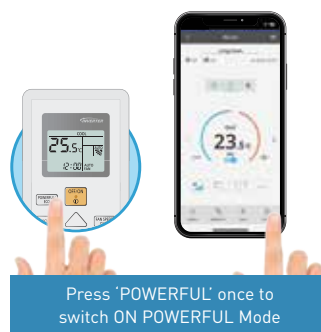
With an optional network adaptor (CZ-TACG1), connect to Panasonic Comfort Cloud App to remotely control and monitor all air conditioning units from mobile devices. Adjust temperature, or schedule timer according to your lifestyle needs, and monitor energy consumption conveniently.



INSTANT COOLING WITH A PUSH OF A BUTTON

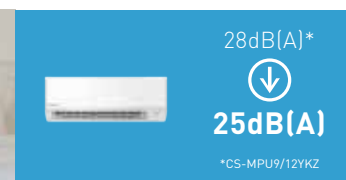
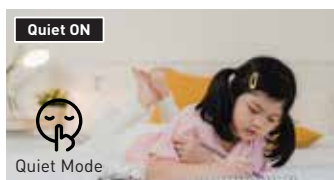
POWERFUL Mode cools the room faster by decreasing the setting temperature by 2°C and operating the indoor fan at a higher speed to create powerful instant cooling during start-up.

POWERFUL



COMFORT COOLING ENVIRONMENT WITH QUIET MODE

Panasonic AEROWINGS delivers further and faster airflow, while Big Flap directs cool air across the room to offer a comfortable, cooling environment. Switch on the Quiet Mode to ensure lower noise levels for a peaceful environment.



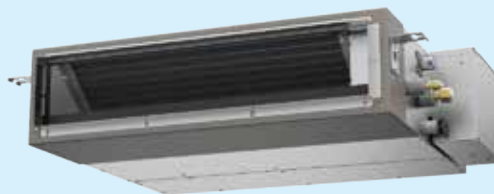
Note: 1. Illustrations of app screens may differ from actual screen appearance.

SLIM DUCTED NEW

Featuring slim and compact design with built-in drain pump for flexible installation in narrow ceiling spaces. Cool airflow is directed towards the ceiling over a wide-angle range. With an optional network adaptor (CZ-TACG1), connect air conditioning units to Panasonic Comfort Cloud App for a convenient control anytime, anywhere.



Scan to know more



CS-MU9YD3Z (2.8kW) | CS-MU12YD3Z (3.5kW) | CS-MU18YD3Z (5.0kW) | CS-MU24YD3Z (6.0kW)



POWERFUL



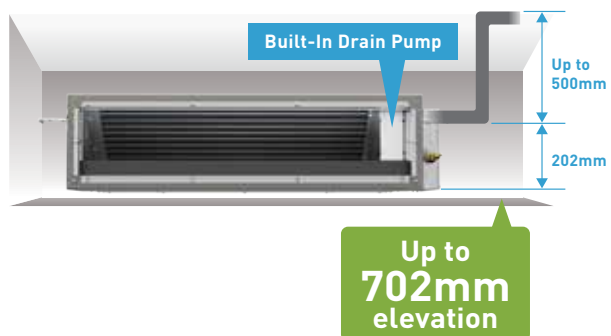
200mm HEIGHT TO FIT NARROW CEILING SPACES

Slim and compact design with 200mm height, requiring only 240mm ceiling space for installation in narrow ceiling spaces.



FLEXIBLE INSTALLATION

Panasonic's ducted unit is designed to be slim and compact. This, with the built-in drain pump and bottom air intake function, allows for flexible installation that can fit the interior of any room.



COOLING COMFORT WITH POWERFUL MODE

When POWERFUL Mode is switched on, the internal setting temperature will shift lower and increases fan speed, offering instant powerful cooling when you need to cool the space quickly after arriving home.



Directs cool air towards ceiling

Note: Illustrations of app screens may differ from actual screen appearance.





Features Comparison

NEW

SPLIT TYPE	WALL-MOUNTED X-DELUXE INVERTER R32		WALL-MOUNTED STANDARD INVERTER R32		SLIM DUCTED
COOLING MODELS	CS-MXPU9YKZ CS-MXPU12YKZ CS-MXPU18YKZ	CS-MXPU24YKZ CS-MXPU28YKZ	CS-MPU9YKZ CS-MPU12YKZ CS-MPU18YKZ	CS-MPU24YKZ CS-MPU28YKZ	CS-MU9YD3Z CS-MU12YD3Z CS-MU18YD3Z CS-MU24YD3Z
					
COMFORT					
 Inverter Control	•	•	•	•	•
 Sleep Mode	•	•	•	•	
 Quiet Mode	•	•	•	•	•
 POWERFUL Mode	•	•	•	•	•
 ECO Mode with A.I.	• [Temperature shift]	• [Temperature shift]	• [Temperature shift]	• [Temperature shift]	
 Soft Dry Operation Mode	•	•	•	•	•
 Personal Airflow Creation		•		•	
 Airflow Direction Control (Up & Down)	•		•		
 Manual Horizontal Airflow Direction Control	•		•		
CLEANER AIR					
 nanoe™ X	•	•			
 nanoe-G	•	•			
 Odour-Removing Function	•	•	•	•	•
 Removable, Washable Panel	•	•	•	•	
CONVENIENCE					
 24-Hour Dual ON & OFF Real Setting Timer	•	•	•	•	•
 LCD Wireless Remote Control	•	•	•	•	•
 Wireless LAN Remote Control For Internet Connection	• [Built-in]	• [Built-in]	• [Optional]	• [Optional]	• [Optional]
 Wired Remote Control	• [Optional]	• [Optional]	• [Optional]	• [Optional]	• [Optional]
 Bottom Air Intake					•
 Built-In Drain Pump					•
RELIABILITY					
 Random Auto Restart (32 Restart Patterns)	•	•	•	•	•
 Blue Fin Condenser	•	•	•	•	•
 Top-Panel Maintenance Access	•	•	•	•	•
 Self-Diagnostic Function	•	•	•	•	•

Connection of Outdoor and Indoor Units

NEW

Models	Indoor Units: Possible Combination Patterns (Must be within capacity range)	Indoor Units Combination Range	Indoor Unit Combination			
			Capacity (kW class)	X-DELUXE INVERTER R32	STANDARD INVERTER R32	SLIM DUCTED
System 2  CU-2U18YBZ 5.1kW Dimensions (H x W x D): 542 x 780 x 289 mm	PORT A 2.8 or 3.5 or 5.0 *Either unit PORT B 2.8 or 3.5 or 5.0 *Either unit	5.6kW to 8.5kW	2.8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			3.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
System 3  CU-3U27YBZ 7.5kW Dimensions (H x W x D): 695 x 875(+95) x 320 mm	PORT A 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT B 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT C 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit	5.6kW to 14.8kW	2.8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			3.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			6.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			7.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System 4  CU-4U28YBZ 8.0kW Dimensions (H x W x D): 695 x 875(+95) x 320 mm	PORT A 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT B 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT C 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT D 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit	5.6kW to 16.2kW	2.8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			3.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			6.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			7.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
System 4  CU-4U34YBZ 9.5kW Dimensions (H x W x D): 795 x 875(+95) x 320 mm	PORT A 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT B 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT C 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit PORT D 2.8 or 3.5 or 5.0 or 6.0 or 7.1 *Either unit	5.6kW to 17.6kW	2.8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			3.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			6.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			7.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indoor Units Specifications

NEW

MODEL		WALL-MOUNTED X-DELUXE INVERTER R32				
		CS-MXPU9YKZ	CS-MXPU12YKZ	CS-MXPU18YKZ	CS-MXPU24YKZ	CS-MXPU28YKZ
Cooling Capacity	kW	2.8	3.5	5.0	6.0	7.1
	kJ/h	10,080	12,600	18,000	21,600	25,560
Power Source		Single Phase, 230V, 60Hz				
Sound Pressure Level (H/L)	dB(A)	43/28	44/28	45/34	49/39	49/39
Air Circulation (H)	m ³ /min (ft ³ /min)	12.7 (450)	13.1 (460)	13.3 (470)	20.2 (715)	20.5 (725)
Dimensions	Height	mm	290	290	290	295
	Width	mm	779	779	779	1,040
	Depth	mm	209	209	209	244
Net Weight	kg	8	8	9	14	14
Refrigerant Pipe Diameter	Liquid Side	mm	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 12.70*2
Power Supply		Outdoor				

Note: Pipe size expander CZ-MA2PA is not required when outdoor units CU-4U34YBZ are connected to CS-MXPU24YKZ and CS-MXPU28YKZ.

MODEL		WALL-MOUNTED STANDARD INVERTER R32				
		CS-MPU9YKZ	CS-MPU12YKZ	CS-MPU18YKZ	CS-MPU24YKZ	CS-MPU28YKZ
Cooling Capacity	kW	2.8	3.5	5.0	6.0	7.1
	kJ/h	10,080	12,600	18,000	21,600	25,560
Power Source		Single Phase, 230V, 60Hz				
Sound Pressure Level (H/L)	dB(A)	43/28	44/28	45/34	49/39	49/39
Air Circulation (H)	m ³ /min (ft ³ /min)	12.7 (450)	13.1 (460)	13.3 (470)	20.2 (715)	20.5 (725)
Dimensions	Height	mm	290	290	290	295
	Width	mm	779	779	779	1,040
	Depth	mm	209	209	209	244
Net Weight	kg	8	8	9	14	14
Refrigerant Pipe Diameter	Liquid Side	mm	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 12.70*2
Power Supply		Outdoor				

Note: Pipe size expander CZ-MA2PA is not required when outdoor unit CU-4U34YBZ is connected to CS-MPU24YKZ and CS-MPU28YKZ.

MODEL		SLIM DUCTED			
		CS-MU9YD3Z	CS-MU12YD3Z	CS-MU18YD3Z	CS-MU24YD3Z
Cooling Capacity	kW	2.8	3.5	5.0	6.0
	kJ/h	10,080	12,600	18,000	21,600
Power Source		Single Phase, 230V, 60Hz			
Sound Pressure Level (H/L)	dB(A)	35/28	35/28	41/30	41/30
Air Circulation (H)	m ³ /min (ft ³ /min)	13.2 (465)	13.2 (465)	15.5 (545)	15.5 (545)
Dimensions	Height	mm	200	200	200
	Width	mm	750	750	750
	Depth	mm	640	640	640
Net Weight	kg	19	19	19	19
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52
Power Supply		Outdoor			

Note: Pipe size expander CZ-MA2PA is not required when outdoor units CU-4U34YBZ are connected to CS-MU24YD3Z.

Outdoor Units Specifications

NEW

MODEL			U SERIES			
			CU-2U18YBZ	CU-3U27YBZ	CU-4U28YBZ	CU-4U34YBZ
Cooling Capacity	(min - max)	kW	5.10 (1.50 - 6.10)	7.50 (2.80 - 9.50)	8.00 (2.80 - 10.20)	9.50 (2.90 - 11.50)
	(min - max)	kJ/h	18,360 (5,400 - 21,960)	27,000 (10,080 - 34,200)	28,800 (10,080 - 36,720)	34,200 (10,440 - 41,400)
Power Source			Single Phase, 230V, 60Hz			
Maximum Indoor Connectable Capacity		kW	8.5	14.8	16.2	17.6
Maximum Connectable Indoor		units	2	3	4	4
Electrical Data	Running Current	A	5.8	8.8	9.0	10.8
	Power Input (min - max)	W	1,310 (250 - 1,900)	1,980 (540 - 2,740)	2,000 (540 - 3,200)	2,430 (560 - 3,100)
EER	(min - max)	kJ/hW	14.02 (21.60 - 11.56)	13.64 (18.67 - 12.48)	14.40 (18.67 - 11.48)	14.07 (18.64 - 13.35)
	(min - max)	W/W	3.89 (6.00 - 3.21)	3.79 (5.19 - 3.47)	4.00 (5.19 - 3.19)	3.91 (5.18 - 3.71)
Sound Pressure Level (H/L)		dB(A)	50/45	49/44	49/44	54/49
Maximum Current		A	10.4	16.2	16.6	16.6
Starting Current		A	6.1	9.2	9.4	11.3
Compressor Output		W	900	1,500	1,500	1,500
Dimensions	Height	mm	542	695	695	795
	Width	mm	780	875 (+95)	875 (+95)	875 (+95)
	Depth	mm	289	320	320	320
Net Weight		kg	33	48	48	58
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35 x2	ø 6.35 x3	ø 6.35 x4	ø 6.35 x4
	Gas Side	mm	ø 9.52 x2	ø 9.52 x3	ø 9.52 x4	ø 9.52 x3, ø 12.70 x1
Pipe Extension	Maximum Pipe Length	1 Room (m)	20	30	30	30
		Total (m)	30	60	70	70
	Maximum Elevation Length	m	15	15	15	15
	Additional Refrigerant Gas	g/m	Chargeless	Chargeless	Chargeless	Chargeless
Refrigerant Type			R32	R32	R32	R32

Accessories



CZ-MA1PA

*1 CZ-MA1PA is to be used to reduce the connection size on the indoor unit from 1/2" (12.70mm) to 3/8" (9.52mm).



CZ-MA2PA

*2 CZ-MA2PA is to be used to increase the connection size on the outdoor unit from 3/8" (9.52mm) to 1/2" (12.70mm).

Outdoor and Indoor Units Combination

NEW

CU-2U18YBZ

INDOOR UNIT COMBINATION		Total	Cooling Capacity (kW)					Input Power (W)		Current [60Hz] (A)	Moisture Removal VolumeL/h	
			Room A	Room B	Room C	Room D	Total	min ~ max	Rated			min ~ max
1 Room	Cooling											
	2.8	2.8	2.80				2.80	1.10 ~ 3.50	650	220 ~ 890	3.0	1.6
	3.5	3.5	3.50				3.50	1.10 ~ 4.20	890	220 ~ 1,370	4.0	2.0
	5.0	5.0	5.00				5.00	1.10 ~ 5.10	1,800	220 ~ 1,860	7.9	2.7
2 Rooms	2.8 + 2.8	5.6	2.50	2.50			5.00	1.50 ~ 5.90	1,270	260 ~ 1,900	5.7	1.5 + 1.5
	2.8 + 3.5	6.3	2.22	2.78			5.00	1.50 ~ 5.95	1,270	260 ~ 1,900	5.7	1.4 + 1.6
	2.8 + 5.0	7.8	1.81	3.24			5.05	1.50 ~ 6.05	1,290	250 ~ 1,900	5.7	1.2 + 1.8
	3.5 + 3.5	7.0	2.50	2.50			5.00	1.50 ~ 6.00	1,270	260 ~ 1,900	5.7	1.5 + 1.5
	3.5 + 5.0	8.5	2.10	3.00			5.10	1.50 ~ 6.10	1,310	250 ~ 1,900	5.8	1.4 + 1.7

CU-3U27YBZ

INDOOR UNIT COMBINATION		Total	Cooling Capacity (kW)					Input Power (W)		Current [60Hz] (A)	Moisture Removal VolumeL/h	
			Room A	Room B	Room C	Room D	Total	min ~ max	Rated			min ~ max
1 Room	Cooling											
	2.8	2.8	2.80				2.80	1.70 ~ 3.60	650	380 ~ 930	2.9	1.6
	3.5	3.5	3.50				3.50	1.70 ~ 4.60	890	380 ~ 1,470	4.0	2.0
	5.0	5.0	5.00				5.00	1.70 ~ 5.60	1,600	380 ~ 1,920	7.0	2.7
	6.0	6.0	6.00				6.00	1.90 ~ 7.30	1,780	400 ~ 2,830	7.8	3.3
	7.1	7.1	7.10				7.10	1.90 ~ 7.50	2,570	400 ~ 3,070	11.3	4.1
2 Rooms	2.8 + 2.8	5.6	2.80	2.80			5.60	1.70 ~ 7.35	1,580	380 ~ 2,690	7.1	1.6 + 1.6
	2.8 + 3.5	6.3	2.80	3.50			6.30	1.90 ~ 7.90	1,970	400 ~ 2,970	8.8	1.6 + 2.0
	2.8 + 5.0	7.8	2.30	4.10			6.40	2.60 ~ 7.95	2,030	540 ~ 3,000	9.1	1.5 + 2.3
	2.8 + 6.0	8.8	2.28	4.88			7.15	2.80 ~ 8.45	2,130	550 ~ 3,020	9.5	1.5 + 2.7
	2.8 + 7.1	9.9	2.04	5.16			7.20	2.80 ~ 8.50	2,160	550 ~ 3,020	9.7	1.3 + 2.8
	3.5 + 3.5	7.0	3.18	3.18			6.35	1.90 ~ 7.95	2,000	400 ~ 2,970	9.0	1.8 + 1.8
	3.5 + 5.0	8.5	2.66	3.79			6.45	2.60 ~ 8.00	2,060	540 ~ 3,000	9.2	1.6 + 2.2
	3.5 + 6.0	9.5	2.63	4.52			7.15	2.80 ~ 8.50	2,130	550 ~ 3,020	9.5	1.6 + 2.5
	3.5 + 7.1	10.6	2.38	4.82			7.20	2.80 ~ 8.55	2,160	550 ~ 3,020	9.7	1.5 + 2.6
	5.0 + 5.0	10.0	3.25	3.25			6.50	2.60 ~ 8.10	2,060	540 ~ 3,000	9.2	1.8 + 1.8
	5.0 + 6.0	11.0	3.27	3.93			7.20	2.80 ~ 8.55	2,130	550 ~ 3,020	9.5	1.9 + 2.3
	5.0 + 7.1	12.1	3.00	4.25			7.25	2.80 ~ 8.60	2,160	550 ~ 3,020	9.7	1.7 + 2.4
	6.0 + 6.0	12.0	3.73	3.73			7.45	2.80 ~ 9.20	2,320	550 ~ 3,220	10.4	2.2 + 2.2
	6.0 + 7.1	13.1	3.44	4.06			7.50	2.80 ~ 9.25	2,350	550 ~ 3,220	10.5	2.0 + 2.3
	7.1 + 7.1	14.2	3.75	3.75			7.50	2.80 ~ 9.30	2,350	550 ~ 3,220	10.5	2.2 + 2.2
3 Rooms	2.8 + 2.8 + 2.8	8.4	2.33	2.33	2.33		7.00	2.80 ~ 9.00	1,830	550 ~ 3,050	8.1	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.5	9.1	2.15	2.15	2.69		7.00	2.80 ~ 9.05	1,830	550 ~ 3,050	8.1	1.4 + 1.4 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.86	1.86	3.33		7.05	2.80 ~ 9.10	1,850	550 ~ 3,050	8.2	1.2 + 1.2 + 1.9
	2.8 + 2.8 + 6.0	11.6	1.73	1.73	3.70		7.15	2.80 ~ 9.25	1,860	540 ~ 3,030	8.3	1.1 + 1.1 + 2.2
	2.8 + 2.8 + 7.1	12.7	1.59	1.59	4.03		7.20	2.80 ~ 9.30	1,860	540 ~ 3,030	8.3	1.0 + 1.0 + 2.3
	2.8 + 3.5 + 3.5	9.8	2.00	2.50	2.50		7.00	2.80 ~ 9.10	1,830	550 ~ 3,050	8.1	1.3 + 1.5 + 1.5
	2.8 + 3.5 + 5.0	11.3	1.75	2.18	3.12		7.05	2.80 ~ 9.15	1,840	550 ~ 3,050	8.2	1.1 + 1.4 + 1.8
	2.8 + 3.5 + 6.0	12.3	1.63	2.03	3.49		7.15	2.80 ~ 9.30	1,850	540 ~ 3,030	8.2	1.0 + 1.3 + 2.0
	2.8 + 3.5 + 7.1	13.4	1.50	1.88	3.81		7.20	2.80 ~ 9.35	1,850	540 ~ 3,030	8.2	1.0 + 1.2 + 2.2
	2.8 + 5.0 + 5.0	12.8	1.58	2.81	2.81		7.20	2.80 ~ 9.20	1,890	550 ~ 3,050	8.4	1.0 + 1.6 + 1.6
	2.8 + 5.0 + 6.0	13.8	1.48	2.64	3.17		7.30	2.80 ~ 9.35	1,900	540 ~ 3,030	8.4	0.9 + 1.6 + 1.8
	2.8 + 6.0 + 6.0	14.8	1.42	3.04	3.04		7.50	2.80 ~ 9.50	1,980	540 ~ 2,740	8.8	0.9 + 1.7 + 1.7
	3.5 + 3.5 + 3.5	10.5	2.33	2.33	2.33		7.00	2.80 ~ 9.15	1,830	550 ~ 3,050	8.1	1.5 + 1.5 + 1.5
	3.5 + 3.5 + 5.0	12.0	2.06	2.06	2.94		7.05	2.80 ~ 9.20	1,840	550 ~ 3,050	8.2	1.3 + 1.3 + 1.7
	3.5 + 3.5 + 6.0	13.0	1.93	1.93	3.30		7.15	2.80 ~ 9.35	1,850	540 ~ 3,030	8.2	1.2 + 1.2 + 1.9
3.5 + 3.5 + 7.1	14.1	1.79	1.79	3.63		7.20	2.80 ~ 9.40	1,850	540 ~ 3,030	8.2	1.2 + 1.2 + 2.1	
3.5 + 5.0 + 5.0	13.5	1.87	2.67	2.67		7.20	2.80 ~ 9.25	1,890	550 ~ 3,050	8.4	1.2 + 1.6 + 1.6	
3.5 + 5.0 + 6.0	14.5	1.76	2.52	3.02		7.30	2.80 ~ 9.40	1,900	540 ~ 3,030	8.4	1.1 + 1.5 + 1.7	

MULTI-SPLIT COMBINATION CAPACITY TABLE

NEW

CU-4U28YBZ

INDOOR UNIT COMBINATION	Total	Cooling Capacity (kW)						Input Power (W)		Current [60Hz] (A)	Moisture Removal VolumeL/h	
		Room A	Room B	Room C	Room D	Total	min - max	Rated	min - max	230V		
1 Room	2.8	2.8	2.80				2.80	1.70 - 3.60	650	380 - 930	2.9	1.6
	3.5	3.5	3.50				3.50	1.70 - 4.60	890	380 - 1,470	4.0	2.0
	5.0	5.0	5.00				5.00	1.70 - 5.60	1,600	380 - 1,920	7.0	2.7
	6.0	6.0	6.00				6.00	1.90 - 7.30	1,780	400 - 2,830	7.8	3.3
	7.1	7.1	7.10				7.10	1.90 - 7.50	2,570	400 - 3,070	11.3	4.1
2 Rooms	2.8+2.8	5.6	2.80	2.80			5.60	1.70 - 7.35	1,750	380 - 2,850	7.9	1.6+1.6
	2.8+3.5	6.3	2.80	3.50			6.30	1.90 - 7.90	2,150	400 - 3,100	9.7	1.6+2.0
	2.8+5.0	7.8	2.30	4.10			6.40	2.60 - 8.00	2,210	540 - 3,100	10.0	1.5+2.3
	2.8+6.0	8.8	2.28	4.88			7.15	2.80 - 8.45	2,240	550 - 3,210	10.1	1.5+2.7
	2.8+7.1	9.9	2.04	5.16			7.20	2.80 - 8.50	2,260	550 - 3,210	10.2	1.3+2.8
	3.5+3.5	7.0	3.18	3.18			6.35	1.90 - 7.95	2,150	400 - 3,100	9.7	1.8+1.8
	3.5+5.0	8.5	2.66	3.79			6.45	2.60 - 8.05	2,230	540 - 3,110	10.1	1.6+2.2
	3.5+6.0	9.5	2.63	4.52			7.15	2.80 - 8.50	2,240	550 - 3,210	10.1	1.6+2.5
	3.5+7.1	10.6	2.38	4.82			7.20	2.80 - 8.55	2,260	550 - 3,210	10.2	1.5+2.6
	5.0+5.0	10.0	3.25	3.25			6.50	2.60 - 8.10	2,250	540 - 3,110	10.2	1.8+1.8
	5.0+6.0	11.0	3.27	3.93			7.20	2.80 - 8.55	2,260	550 - 3,210	10.2	1.9+2.3
	5.0+7.1	12.1	3.00	4.25			7.25	2.80 - 8.60	2,280	550 - 3,210	10.3	1.7+2.4
	6.0+6.0	12.0	3.95	3.95			7.90	2.80 - 9.20	2,570	550 - 3,210	11.6	2.3+2.3
	6.0+7.1	13.1	3.64	4.31			7.95	2.80 - 9.25	2,590	550 - 3,210	11.7	2.1+2.4
7.1+7.1	14.2	4.00	4.00			8.00	2.80 - 9.30	2,610	550 - 3,210	11.8	2.3+2.3	
3 Rooms	2.8+2.8+2.8	8.4	2.33	2.33	2.33		7.00	2.80 - 9.00	2,080	550 - 3,180	9.4	1.5+1.5+1.5
	2.8+2.8+3.5	9.1	2.15	2.15	2.69		7.00	2.80 - 9.05	2,080	550 - 3,180	9.4	1.4+1.4+1.6
	2.8+2.8+5.0	10.6	1.86	1.86	3.33		7.05	2.80 - 9.10	2,100	550 - 3,180	9.5	1.2+1.2+1.9
	2.8+2.8+6.0	11.6	1.73	1.73	3.70		7.15	2.80 - 9.25	2,040	540 - 3,160	9.2	1.1+1.1+2.2
	2.8+2.8+7.1	12.7	1.59	1.59	4.03		7.20	2.80 - 9.30	2,060	540 - 3,160	9.3	1.0+1.0+2.3
	2.8+3.5+3.5	9.8	2.00	2.50	2.50		7.00	2.80 - 9.10	2,080	550 - 3,180	9.4	1.3+1.5+1.5
	2.8+3.5+5.0	11.3	1.75	2.18	3.12		7.05	2.80 - 9.15	2,100	550 - 3,180	9.5	1.1+1.4+1.8
	2.8+3.5+6.0	12.3	1.63	2.03	3.49		7.15	2.80 - 9.30	2,040	540 - 3,160	9.2	1.0+1.3+2.0
	2.8+3.5+7.1	13.4	1.50	1.88	3.81		7.20	2.80 - 9.35	2,060	540 - 3,160	9.3	1.0+1.2+2.2
	2.8+5.0+5.0	12.8	1.58	2.81	2.81		7.20	2.80 - 9.20	2,170	550 - 3,180	9.8	1.0+1.6+1.6
	2.8+5.0+6.0	13.8	1.48	2.64	3.17		7.30	2.80 - 9.35	2,110	540 - 3,160	9.5	0.9+1.6+1.8
	2.8+5.0+7.1	14.9	1.38	2.47	3.50		7.35	2.80 - 9.40	2,130	540 - 3,160	9.6	0.9+1.5+2.0
	2.8+6.0+6.0	14.8	1.50	3.22	3.22		7.95	2.80 - 9.55	2,280	540 - 3,210	10.3	1.0+1.8+1.8
	2.8+6.0+7.1	15.9	1.41	3.02	3.57		8.00	2.80 - 9.60	2,300	540 - 3,210	10.4	0.9+1.7+2.1
	3.5+3.5+3.5	10.5	2.33	2.33	2.33		7.00	2.80 - 9.15	2,080	550 - 3,180	9.4	1.5+1.5+1.5
	3.5+3.5+5.0	12.0	2.06	2.06	2.94		7.05	2.80 - 9.20	2,100	550 - 3,200	9.5	1.3+1.3+1.7
	3.5+3.5+6.0	13.0	1.93	1.93	3.30		7.15	2.80 - 9.35	2,040	540 - 3,160	9.2	1.2+1.2+1.9
	3.5+3.5+7.1	14.1	1.79	1.79	3.63		7.20	2.80 - 9.40	2,060	540 - 3,160	9.3	1.2+1.2+2.1
	3.5+5.0+5.0	13.5	1.87	2.67	2.67		7.20	2.80 - 9.25	2,170	550 - 3,180	9.8	1.2+1.6+1.6
	3.5+5.0+6.0	14.5	1.76	2.52	3.02		7.30	2.80 - 9.40	2,110	540 - 3,160	9.5	1.1+1.5+1.7
3.5+5.0+7.1	15.6	1.65	2.36	3.35		7.35	2.80 - 9.45	2,130	540 - 3,160	9.6	1.1+1.5+1.9	
3.5+6.0+6.0	15.5	1.81	3.10	3.10		8.00	2.80 - 9.60	2,300	540 - 3,210	10.4	1.2+1.7+1.7	
5.0+5.0+5.0	15.0	2.42	2.42	2.42		7.25	2.80 - 9.30	2,170	550 - 3,180	9.8	1.5+1.5+1.5	
5.0+5.0+6.0	16.0	2.30	2.30	2.76		7.35	2.80 - 9.45	2,130	540 - 3,160	9.6	1.5+1.5+1.6	

Outdoor and Indoor Unit Combination

NEW

CU-4U28YBZ

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)					Input Power (W)		Current [60Hz] (A)		Moisture Removal VolumeL/h
			Room A	Room B	Room C	Room D	Total	min ~ max	Rated	min ~ max	230V	
4 Rooms	2.8 + 2.8 + 2.8 + 2.8	11.2	1.88	1.88	1.88	1.88	7.50	2.80 ~ 9.40	1,850	550 ~ 3,380	8.3	1.2 + 1.2 + 1.2 + 1.2
	2.8 + 2.8 + 2.8 + 3.5	11.9	1.76	1.76	1.76	2.21	7.50	2.80 ~ 9.45	1,850	550 ~ 3,380	8.3	1.1 + 1.1 + 1.1 + 1.4
	2.8 + 2.8 + 2.8 + 5.0	13.4	1.58	1.58	1.58	2.82	7.55	2.80 ~ 9.50	1,840	550 ~ 3,380	8.2	1.0 + 1.0 + 1.0 + 1.7
	2.8 + 2.8 + 2.8 + 6.0	14.4	1.52	1.52	1.52	3.25	7.80	2.80 ~ 10.00	1,910	540 ~ 3,200	8.6	1.0 + 1.0 + 1.0 + 1.8
	2.8 + 2.8 + 2.8 + 7.1	15.5	1.42	1.42	1.42	3.60	7.85	2.80 ~ 10.10	1,940	540 ~ 3,200	8.7	0.9 + 0.9 + 0.9 + 2.1
	2.8 + 2.8 + 3.5 + 3.5	12.6	1.67	1.67	2.08	2.08	7.50	2.80 ~ 9.50	1,850	550 ~ 3,440	8.3	1.1 + 1.1 + 1.3 + 1.3
	2.8 + 2.8 + 3.5 + 5.0	14.1	1.50	1.50	1.87	2.68	7.55	2.80 ~ 9.55	1,840	550 ~ 3,380	8.2	1.0 + 1.0 + 1.2 + 1.6
	2.8 + 2.8 + 3.5 + 6.0	15.1	1.46	1.46	1.83	3.14	7.90	2.80 ~ 10.10	1,960	540 ~ 3,200	8.8	0.9 + 0.9 + 1.2 + 1.8
	2.8 + 2.8 + 3.5 + 7.1	16.2	1.38	1.38	1.73	3.51	8.00	2.80 ~ 10.20	2,000	540 ~ 3,200	9.0	0.9 + 0.9 + 1.1 + 2.0
	2.8 + 2.8 + 5.0 + 5.0	15.6	1.36	1.36	2.44	2.44	7.60	2.80 ~ 9.60	1,890	550 ~ 3,380	8.5	0.9 + 0.9 + 1.5 + 1.5
	2.8 + 3.5 + 3.5 + 3.5	13.3	1.59	1.99	1.99	1.99	7.55	2.80 ~ 9.55	1,850	550 ~ 3,440	8.3	1.0 + 1.3 + 1.3 + 1.3
	2.8 + 3.5 + 3.5 + 5.0	14.8	1.44	1.80	1.80	2.57	7.60	2.80 ~ 9.60	1,890	550 ~ 3,380	8.5	0.9 + 1.2 + 1.2 + 1.6
	2.8 + 3.5 + 3.5 + 6.0	15.8	1.40	1.75	1.75	3.00	7.90	2.80 ~ 10.10	1,960	540 ~ 3,200	8.8	0.9 + 1.1 + 1.1 + 1.7
	3.5 + 3.5 + 3.5 + 3.5	14.0	1.89	1.89	1.89	1.89	7.55	2.80 ~ 9.60	1,850	550 ~ 3,380	8.3	1.2 + 1.2 + 1.2 + 1.2
3.5 + 3.5 + 3.5 + 5.0	15.5	1.72	1.72	1.72	2.45	7.60	2.80 ~ 9.65	1,890	550 ~ 3,380	8.5	1.1 + 1.1 + 1.1 + 1.5	

CU-4U34YBZ

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)					Input Power (W)		Current [60Hz] (A)		Moisture Removal VolumeL/h
			Room A	Room B	Room C	Room D	Total	min ~ max	Rated	min ~ max	230V	
1 Room	2.8	2.8	2.80				2.80	1.70 ~ 3.60	650	380 ~ 930	2.9	1.6
	3.5	3.5	3.50				3.50	1.70 ~ 4.60	890	380 ~ 1,470	4.0	2.0
	5.0	5.0	5.00				5.00	1.70 ~ 5.60	1,600	380 ~ 1,920	7.0	2.7
	6.0	6.0	6.00				6.00	1.90 ~ 7.57	1,460	400 ~ 2,510	6.4	3.3
	7.1	7.1	7.10				7.10	1.90 ~ 8.03	2,250	400 ~ 2,850	9.9	4.1
2 Rooms	2.8 + 2.8	5.6	2.80	2.80			5.60	1.70 ~ 8.20	1,380	380 ~ 2,310	6.2	1.6 + 1.6
	2.8 + 3.5	6.3	2.80	3.50			6.30	1.90 ~ 8.55	1,600	400 ~ 2,550	7.2	1.6 + 2.0
	2.8 + 5.0	7.8	2.80	5.00			7.80	2.90 ~ 8.95	2,420	570 ~ 2,950	10.8	1.6 + 2.7
	2.8 + 6.0	8.8	2.74	5.86			8.60	2.90 ~ 9.80	2,460	560 ~ 3,040	11.0	1.6 + 3.2
	2.8 + 7.1	9.9	2.45	6.20			8.65	2.90 ~ 9.90	2,480	560 ~ 3,040	11.1	1.5 + 3.5
	3.5 + 3.5	7.0	3.50	3.50			7.00	1.90 ~ 8.60	1,800	400 ~ 2,550	8.1	2.0 + 2.0
	3.5 + 5.0	8.5	3.27	4.68			7.95	2.90 ~ 9.00	2,460	570 ~ 2,950	11.0	1.9 + 2.5
	3.5 + 6.0	9.5	3.19	5.46			8.65	2.90 ~ 9.90	2,480	560 ~ 3,040	11.1	1.8 + 3.0
	3.5 + 7.1	10.6	2.87	5.83			8.70	2.90 ~ 10.00	2,500	560 ~ 3,040	11.2	1.7 + 3.2
	5.0 + 5.0	10.0	4.05	4.05			8.10	2.90 ~ 9.20	2,500	570 ~ 2,950	11.2	2.3 + 2.3
	5.0 + 6.0	11.0	3.98	4.77			8.75	2.90 ~ 10.20	2,500	560 ~ 3,040	11.2	2.3 + 2.6
	5.0 + 7.1	12.1	3.64	5.16			8.80	2.90 ~ 10.30	2,520	560 ~ 3,040	11.3	2.1 + 2.8
	6.0 + 6.0	12.0	4.70	4.70			9.40	2.90 ~ 10.40	2,810	560 ~ 3,140	12.6	2.5 + 2.5
6.0 + 7.1	13.1	4.33	5.12			9.45	2.90 ~ 10.45	2,830	560 ~ 3,140	12.7	2.4 + 2.8	
7.1 + 7.1	14.2	4.75	4.75			9.50	2.90 ~ 10.50	2,850	560 ~ 3,160	12.8	2.6 + 2.6	

MULTI-SPLIT COMBINATION CAPACITY TABLE

NEW

CU-4U34YBZ

INDOOR UNIT COMBINATION	Total	Cooling Capacity (kW)						Input Power (W)		Current [60Hz] (A)	Moisture Removal VolumeL/h	
		Room A	Room B	Room C	Room D	Total	min ~ max	Rated	min ~ max	230V		
3 Rooms	2.8+2.8+2.8	8.4	2.80	2.80	2.80		8.40	2.90 ~ 10.00	2,110	570 ~ 2,810	9.5	1.6 + 1.6 + 1.6
	2.8+2.8+3.5	9.1	2.65	2.65	3.31		8.60	2.90 ~ 10.10	2,210	570 ~ 2,810	9.9	1.6 + 1.6 + 1.9
	2.8+2.8+5.0	10.6	2.30	2.30	4.10		8.70	2.90 ~ 10.20	2,250	570 ~ 2,810	10.1	1.5 + 1.5 + 2.3
	2.8+2.8+6.0	11.6	2.20	2.20	4.71		9.10	2.90 ~ 10.60	2,520	560 ~ 3,100	11.3	1.4 + 1.4 + 2.5
	2.8+2.8+7.1	12.7	2.02	2.02	5.12		9.15	2.90 ~ 10.70	2,540	560 ~ 3,100	11.4	1.3 + 1.3 + 2.8
	2.8+3.5+3.5	9.8	2.47	3.09	3.09		8.65	2.90 ~ 10.15	2,230	570 ~ 2,810	10.0	1.5 + 1.7 + 1.7
	2.8+3.5+5.0	11.3	2.17	2.71	3.87		8.75	2.90 ~ 10.25	2,270	570 ~ 2,810	10.2	1.4 + 1.6 + 2.3
	2.8+3.5+6.0	12.3	2.08	2.60	4.46		9.15	2.90 ~ 10.70	2,540	560 ~ 3,100	11.4	1.3 + 1.6 + 2.5
	2.8+3.5+7.1	13.4	1.92	2.40	4.87		9.20	2.90 ~ 10.80	2,560	560 ~ 3,100	11.5	1.2 + 1.5 + 2.7
	2.8+5.0+5.0	12.8	1.96	3.50	3.50		8.95	2.90 ~ 10.50	2,450	570 ~ 2,960	11.0	1.3 + 2.0 + 2.0
	2.8+5.0+6.0	13.8	1.88	3.35	4.02		9.25	2.90 ~ 10.80	2,520	560 ~ 3,100	11.3	1.2 + 1.9 + 2.3
	2.8+5.0+7.1	14.9	1.75	3.12	4.43		9.30	2.90 ~ 10.90	2,540	560 ~ 3,100	11.4	1.1 + 1.8 + 2.5
	2.8+6.0+6.0	14.8	1.78	3.81	3.81		9.40	2.90 ~ 11.05	2,540	560 ~ 3,120	11.4	1.1 + 2.2 + 2.2
	2.8+6.0+7.1	15.9	1.66	3.57	4.22		9.45	2.90 ~ 11.10	2,560	560 ~ 3,120	11.5	1.1 + 2.1 + 2.4
	2.8+7.1+7.1	17.0	1.56	3.97	3.97		9.50	2.90 ~ 11.15	2,580	560 ~ 3,120	11.6	1.0 + 2.3 + 2.3
	3.5+3.5+3.5	10.5	2.90	2.90	2.90		8.70	2.90 ~ 10.20	2,250	570 ~ 2,810	10.1	1.7 + 1.7 + 1.7
	3.5+3.5+5.0	12.0	2.57	2.57	3.67		8.80	2.90 ~ 10.30	2,290	570 ~ 2,810	10.3	1.6 + 1.6 + 2.1
	3.5+3.5+6.0	13.0	2.48	2.48	4.25		9.20	2.90 ~ 10.80	2,560	560 ~ 3,100	11.5	1.5 + 1.5 + 2.4
	3.5+3.5+7.1	14.1	2.30	2.30	4.66		9.25	2.90 ~ 10.90	2,580	560 ~ 3,100	11.6	1.5 + 1.5 + 2.5
	3.5+5.0+5.0	13.5	2.33	3.33	3.33		9.00	2.90 ~ 10.55	2,470	570 ~ 2,960	11.1	1.5 + 1.9 + 1.9
3.5+5.0+6.0	14.5	2.24	3.21	3.85		9.30	2.90 ~ 10.90	2,540	560 ~ 3,100	11.4	1.5 + 1.8 + 2.3	
3.5+5.0+7.1	15.6	2.10	3.00	4.26		9.35	2.90 ~ 11.00	2,560	560 ~ 3,100	11.5	1.4 + 1.7 + 2.4	
3.5+6.0+6.0	15.5	2.12	3.64	3.64		9.40	2.90 ~ 11.10	2,540	560 ~ 3,120	11.4	1.4 + 2.1 + 2.1	
3.5+6.0+7.1	16.6	1.99	3.42	4.04		9.45	2.90 ~ 11.15	2,560	560 ~ 3,120	11.5	1.3 + 2.0 + 2.3	
5.0+5.0+5.0	15.0	3.03	3.03	3.03		9.10	2.90 ~ 10.60	2,470	570 ~ 2,960	11.1	1.7 + 1.7 + 1.7	
5.0+5.0+6.0	16.0	2.94	2.94	3.53		9.40	2.90 ~ 11.00	2,580	560 ~ 3,100	11.6	1.7 + 1.7 + 2.0	
5.0+5.0+7.1	17.1	2.76	2.76	3.92		9.45	2.90 ~ 11.10	2,600	560 ~ 3,100	11.6	1.6 + 1.6 + 2.3	
5.0+6.0+6.0	17.0	2.79	3.35	3.35		9.50	2.90 ~ 11.20	2,580	560 ~ 3,120	11.6	1.6 + 1.9 + 1.9	
4 Rooms	2.8+2.8+2.8+2.8	11.2	2.25	2.25	2.25	2.25	9.00	2.90 ~ 10.85	2,270	570 ~ 3,100	10.1	1.5 + 1.5 + 1.5 + 1.5
	2.8+2.8+2.8+3.5	11.9	2.12	2.12	2.12	2.65	9.00	2.90 ~ 10.90	2,270	570 ~ 3,100	10.1	1.4 + 1.4 + 1.4 + 1.6
	2.8+2.8+2.8+5.0	13.4	1.89	1.89	1.89	3.38	9.05	2.90 ~ 10.95	2,290	570 ~ 3,100	10.2	1.2 + 1.2 + 1.2 + 1.9
	2.8+2.8+2.8+6.0	14.4	1.78	1.78	1.78	3.81	9.15	2.90 ~ 11.10	2,320	560 ~ 3,040	10.3	1.1 + 1.1 + 1.1 + 2.2
	2.8+2.8+2.8+7.1	15.5	1.66	1.66	1.66	4.21	9.20	2.90 ~ 11.15	2,330	560 ~ 3,040	10.3	1.1 + 1.1 + 1.1 + 2.4
	2.8+2.8+3.5+3.5	12.6	2.00	2.00	2.50	2.50	9.00	2.90 ~ 10.95	2,270	570 ~ 3,100	10.1	1.3 + 1.3 + 1.5 + 1.5
	2.8+2.8+3.5+5.0	14.1	1.80	1.80	2.25	3.21	9.05	2.90 ~ 11.00	2,290	570 ~ 3,100	10.2	1.2 + 1.2 + 1.5 + 1.8
	2.8+2.8+3.5+6.0	15.1	1.70	1.70	2.12	3.64	9.15	2.90 ~ 11.15	2,320	560 ~ 3,040	10.3	1.1 + 1.1 + 1.4 + 2.1
	2.8+2.8+3.5+7.1	16.2	1.59	1.59	1.99	4.03	9.20	2.90 ~ 11.20	2,330	560 ~ 3,040	10.3	1.0 + 1.0 + 1.3 + 2.3
	2.8+2.8+5.0+5.0	15.6	1.63	1.63	2.92	2.92	9.10	2.90 ~ 11.10	2,290	570 ~ 3,100	10.2	1.0 + 1.0 + 1.7 + 1.7
	2.8+2.8+5.0+6.0	16.6	1.55	1.55	2.77	3.33	9.20	2.90 ~ 11.25	2,320	560 ~ 3,040	10.3	1.0 + 1.0 + 1.6 + 1.9
	2.8+2.8+6.0+6.0	17.6	1.51	1.51	3.24	3.24	9.50	2.90 ~ 11.50	2,430	560 ~ 3,100	10.8	1.0 + 1.0 + 1.8 + 1.8
	2.8+3.5+3.5+3.5	13.3	1.91	2.38	2.38	2.38	9.05	2.90 ~ 11.00	2,290	570 ~ 3,100	10.2	1.2 + 1.5 + 1.5 + 1.5
	2.8+3.5+3.5+5.0	14.8	1.72	2.15	2.15	3.07	9.10	2.90 ~ 11.05	2,290	570 ~ 3,100	10.2	1.1 + 1.4 + 1.4 + 1.7
	2.8+3.5+3.5+6.0	15.8	1.63	2.04	2.04	3.49	9.20	2.90 ~ 11.25	2,230	560 ~ 3,040	10.3	1.0 + 1.3 + 1.3 + 2.0
	2.8+3.5+3.5+7.1	16.9	1.53	1.92	1.92	3.89	9.25	2.90 ~ 11.30	2,340	560 ~ 3,040	10.4	1.0 + 1.2 + 1.2 + 2.3
	2.8+3.5+5.0+5.0	16.3	1.56	1.95	2.79	2.79	9.10	2.90 ~ 11.15	2,290	570 ~ 3,100	10.2	1.0 + 1.3 + 1.6 + 1.6
	2.8+3.5+5.0+6.0	17.3	1.49	1.86	2.66	3.19	9.20	2.90 ~ 11.35	2,320	560 ~ 3,040	10.3	0.9 + 1.2 + 1.6 + 1.8
	3.5+3.5+3.5+3.5	14.0	2.26	2.26	2.26	2.26	9.05	2.90 ~ 11.05	2,290	570 ~ 3,100	10.2	1.5 + 1.5 + 1.5 + 1.5
	3.5+3.5+3.5+5.0	15.5	2.05	2.05	2.05	2.94	9.10	2.90 ~ 11.10	2,290	570 ~ 3,100	10.2	1.3 + 1.3 + 1.3 + 1.7
3.5+3.5+3.5+6.0	16.5	1.95	1.95	1.95	3.35	9.20	2.90 ~ 11.35	2,330	560 ~ 3,040	10.3	1.3 + 1.3 + 1.3 + 1.9	
3.5+3.5+3.5+7.1	17.6	1.84	1.84	1.84	3.73	9.25	2.90 ~ 11.40	2,340	560 ~ 3,040	10.4	1.2 + 1.2 + 1.2 + 2.2	
3.5+3.5+5.0+5.0	17.0	1.87	1.87	2.68	2.68	9.10	2.90 ~ 11.20	2,290	570 ~ 3,100	10.2	1.2 + 1.2 + 1.6 + 1.6	

Window Air Conditioners with Pure Energy Savings

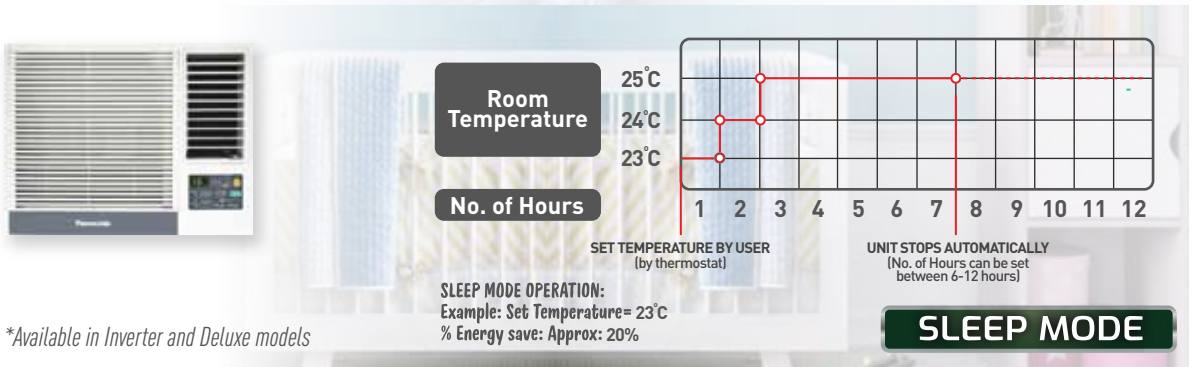
Inverter



Panasonic has Inverter technology with All DC Motor and Powerful Compressor

The All DC Motor has independent controls on each fan (indoor & outdoor) that provides better efficiency and lowers energy consumption leading to additional Pure Energy Savings.

Sleep Mode



**Available in Inverter and Deluxe models*

Panasonic Window Airconditioner use Sleep Mode Function

Sleep Mode helps you to regularize the coolness of the room to your body for a more comfortable sleep

OTHER FEATURES

Mechanical Off Timer



Consume Energy Efficiently

With Panasonic's 12-hr timer function, you can control the use of your aircon to keep your energy cost within the budget

Powerful Mode



Stay Comfortable in All Day Moves

Compressor speeds up its rotation faster than the maximum speed of normal operation, giving you coolness to the max with extra cooling power.

Anti-bacterial Filter



Filters Virus And Bacteria for Assured Cleaner Air

The Anti-Bacterial Filter combines three effects in one: Anti-bacterial, Anti-virus and Anti-allergen.

*Bacteria deactivation was certified by Boken Quality Evaluation Institute. Test Report No: 10042459 and 100042459-2 Bacteria: Staphylococcus aureus NBRC 12732 :Escherichia coli NBRC 3972

**Virus deactivation was certified by Osaka Prefectural Institute of Public Health Test Report No: 313360397 Virus: Influenza (H3N2) A/ Hong Kong

***Allergen deactivation was certified by Shinshu University Allergen: Cider Pollen Allergen Cry j1

Window Type Air conditioner Line-Up

XU & U SERIES: INVERTER Window Type with nanoe™ X Technology

MODEL NO.		CW-XU1021VPH	CW-XU1221VPH	CW-XU1821EPH	CW-XU2421EPH	CW-U921JPH	CW-U1021VPH	CW-U1221VPH	CW-U1821EPH	CW-U2421EPH
TECHNICAL DATA	UNIT									
Cooling Capacity	hp	1.0	1.5	2.0	2.5	1.0	1.0	1.5	2.0	2.5
	kW	2.96	3.33	5.21	6.53	2.64	2.96	3.33	5.21	6.53
Power Input	W	860	968	1,524	1,911	792	874	984	1,563	1,958
CSPF		4.84 (★★★★★)	4.54 (★★★★★)	4.84 (★★★★★)	4.91 (★★★★★)	4.36 (★★★★★)	4.76 (★★★★★)	4.47 (★★★★★)	4.77 (★★★★★)	4.82 (★★★★★)
Noise Level Indoor (Low)	dB A	46	46	48	54	42	46	46	48	54
Power Source	V/Phase Hz	230 V, 1Ø Phase - 60 Hz								
Refrigerant		R32	R32	R32	R32	R32	R32	R32	R32	R32
PHYSICAL DATA										
Unit Dimension	mm	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800	450 x 346 x 640	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800
Packaging Dimension	mm	640 x 481 x 728	640 x 481 x 728	760 x 582 x 877	760 x 582 x 877	515 x 460 x 655	640 x 481 x 728	640 x 481 x 728	760 x 582 x 877	760 x 582 x 877
Net Weight	kg	38	38	67	63	28	34	34	59	63
Gross Weight	kg	40	40	70	67	31	39	39	62	67



XU Series



U Series

XN SERIES: DELUXE Window Type

MODEL NO.		CW-XN620JPH	CW-XN820JPH	CW-XN920JPH	CW-XN1020VPH	CW-XN1220VPH	CW-XN1820EPH	CW-XN2420EPH
TECHNICAL DATA	UNIT							
Cooling Capacity	hp	0.5	0.75	1.0	1.0	1.5	2.0	2.5
	kW	1.53	2.07	2.64	3.07	3.60	5.31	7.09
Power Input	W	511	616	839	916	1,170	1,640	2,660
CSPF		3.18 (★)	3.57 (★★★)	3.34 (★★)	3.56 (★★★)	3.27 (★★)	3.44 (★★★)	2.83 (★)
Noise Level Indoor (Low)	dB A	44	44	44	46	46	48	52
Power Source	V/Phase Hz	230 V, 1Ø Phase - 60 Hz						
Refrigerant		R32	R32	R32	R32	R32	R32	R32
PHYSICAL DATA								
Unit Dimension	mm	450 x 346 x 590	450 x 346 x 590	450 x 346 x 590	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800
Packaging Dimension	mm	505 x 465 x 660	505 x 465 x 660	505 x 465 x 660	649 x 488 x 756	649 x 488 x 756	760 x 582 x 877	760 x 582 x 877
Net Weight	kg	24	28	28	33	35	61	65
Gross Weight	kg	26	30	30	38	40	65	69



MN SERIES: MECHANICAL Window Type

MODEL NO.		CW-MN620JPH	CW-MN820JPH	CW-MN920JPH	CW-MN1220VPH
TECHNICAL DATA	UNIT				
Cooling Capacity	hp	0.5	0.75	1.0	1.5
	kW	1.53	2.07	2.64	3.60
Power Input	W	511	616	839	1,170
CSPF		3.18 (★)	3.57 (★★★)	3.34 (★★)	3.27 (★★)
Noise Level Indoor (Low)	dB A	44	44	44	46
Power Source	V/Phase Hz	230 V, 1Ø Phase - 60 Hz			
Refrigerant		R32	R32	R32	R32
PHYSICAL DATA					
Unit Dimension	mm	450 x 346 x 590	450 x 346 x 590	450 x 346 x 590	560 x 346 x 655
Packaging Dimension	mm	505 x 465 x 660	505 x 465 x 660	505 x 465 x 660	649 x 488 x 756
Net Weight	kg	24	28	28	35
Gross Weight	kg	26	30	30	40



CW-MN620JPH CW-MN920JPH
CW-MN820JPH



CW-MN1220VPH

N SERIES: STANDARD Window Type

MODEL NO.		CW-N620JPH	CW-N820JPH	CW-N920JPH	CW-N1020VPH	CW-N1220VPH	CW-N1820EPH	CW-N2420EPH
TECHNICAL DATA	UNIT							
Cooling Capacity	hp	0.5	0.75	1.0	1.0	1.5	2.0	2.5
	kW	1.53	2.07	2.64	3.07	3.60	5.31	7.09
Power Input	W	511	616	839	916	1,170	1,640	2,660
CSPF		3.18 (★)	3.57 (★★★)	3.34 (★★)	3.56 (★★★)	3.27 (★★)	3.44 (★★★)	2.83 (★)
Noise Level Indoor (Low)	dB A	44	44	44	46	46	48	52
Power Source	V/Phase Hz	230 V, 1Ø Phase - 60 Hz						
Refrigerant		R32	R32	R32	R32	R32	R32	R32
PHYSICAL DATA								
Unit Dimension	mm	450 x 346 x 590	450 x 346 x 590	450 x 346 x 590	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800
Packaging Dimension	mm	505 x 465 x 660	505 x 465 x 660	505 x 465 x 660	649 x 488 x 756	649 x 488 x 756	760 x 582 x 877	760 x 582 x 877
Net Weight	kg	24	28	28	33	35	61	65
Gross Weight	kg	26	30	30	38	40	65	69



CW-N920JPH



CW-N1020VPH CW-N1820EPH
CW-N1220VPH CW-N2420EPH

NX Series Product Lineup

- New DELUXE 4-Way Cassette, equipped with nanoe™ X technology (Mark 3)
- Other indoor units are equipped with nanoe™ X technology (Mark 2) as standard
- The NX series features DELUXE and STANDARD series models.



Capacity [Btu/h]	17,100	20,500	24,200	27,600/29,000	34,100	42,700	45,500-47,800
4-Way Cassette DELUXE 	S-18PU3QA	S-21PU3QA	S-24PU3QA	—	S-34PU3QA	S-43PU3QA	S-48PU3QA
							S-3448PU3QA*
4-Way Cassette STANDARD 	S-18PU3Q	S-21PU3Q	S-24PU3Q	S-30PU3Q	S-34PU3Q	S-43PU3Q	S-48PU3Q
							S-3448PU3Q*
Adaptive Ducted DELUXE/STANDARD 	S-1821PF3Q		S-2430PF3Q		S-3448PF3Q		
Ceiling Exposed DELUXE 	S-18PT3QA	S-21PT3QA	S-24PT3QA	—	S-34PT3QA	S-43PT3QA	S-48PT3QA
							S-3448PT3QA*
Ceiling Exposed STANDARD 	S-18PT3Q	S-21PT3Q	S-24PT3Q	S-30PT3Q	S-34PT3Q	S-43PT3Q	S-48PT3Q
							S-3448PT3Q*
Outdoor DELUXE 	U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	—	U-34PRH1Q6	U-43PRH1Q6	U-48PRH1Q6
	—	—	—	—	—	U-43PRH1Q9*	U-48PRH1Q9*
Outdoor STANDARD 	U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-48PR1Q6
	—	—	—	—	—	U-43PR1Q9*	U-48PR1Q9*

*3-phase model newly added. Note: DELUXE and STANDARD Series indoor units can only be connected to outdoor units of the same series. STANDARD series models with new product numbers will be available at the end of Sep. 2022.

Differences between DELUXE and STANDARD 4-Way Cassette

The DELUXE and STANDARD series differ in terms of nanoe effectiveness, energy efficiency and operating temperature, depending on the project requirements.



Differences	DELUXE Series	STANDARD Series
nanoe™X	Generator Mark 3	Generator Mark 2
CONEX	Connectable	Connectable
COP	Ave. 4.15	Ave. 3.38
CSPF	Ave. 6.50	Ave. 5.80
Operation range	16 - 52°C	16 - 46°C
Piping length	5-50m for all range	24,200Btu or less 5-30m 29,000Btu and above 5-50m

NEW ///

24-hour nanoe™ X Air Protection

Get 24 hours of quality air for you and your loved ones by turning nanoe™ X on using Panasonic Comfort Cloud anywhere, anytime. nanoe™ X functions in the cooling mode and is maintenance-free, helping you enjoy cleaner air while keeping your costs down.



Please refer to the nanoe™ X website.



7 Effects of nanoe™ X : Creating Cleaner Environments

nanoe™ inhibits 5 types of pollutants, deodorises and moisturises thanks to the action of hydroxyl radicals contained in water.

<p>Deodorises</p> <p>Odours</p>	<p>Inhibits 5 types of pollutants</p> <p>Bacteria & viruses</p> <p>Mould</p> <p>Allergens</p> <p>Pollen</p> <p>Hazardous substances</p>	<p>Moisturises</p> <p>Skin & Hair</p>
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nanoe™ X Effectiveness Proven in Large Space

Access to the evidence page of nanoe™ X effect

NEW ///

Smart Comfort with CONEX

CONEX offers IoT integration that connects directly to a variety of apps for next-generation solutions.

Easy control and access for end users, installers, and service partners with just one remote.



Please refer to the CONEX website.



New CONEX Control

New smart design with built-in BLE & WLAN model.



Comfort Cloud-End User

High level control and energy monitoring via WLAN and cloud giving access from anywhere anytime.



H&C Control App-End User & Installer

H&C Control App makes complex initial set-up easy and allows installers to respond swiftly to clients' requests via Bluetooth .



H&C Diagnosis App-Service Partner

Provides the service partner with detailed operational data, for in-depth analysis and optimising the system.



DELUXE 4-WAY CASSETTE

- With the further advanced air purification technology of nanoe™ X Generator Mark 3.
- Powerful industry-leading, 360° wide, comfortable airflow.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.



nanoe™ X
Generator Mark3

Panel: CZ-KPU3H

(Accessory): CZ-RTC5B, CZ-RTC4

(Optional Wired Remote Controller): CZ-RTC6, CZ-RTC6BL [BLE], CZ-RTC6BLW [BLE&WLAN]

(Optional): CZ-CAPWFC1

If not use CZ-RTC6BLW, The adaptor also can be used.

DELUXE

Specifications of R32 DELUXE Series **R32**

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source	V/Phase Hz	230V, 10 Phase - 60Hz			400V, 30 Phase - 60Hz			230V, 10 Phase - 60Hz	
Indoor Unit		S-18PU30A	S-21PU30A	S-24PU30A	S-34PU30A	S-43PU30A	S-3448PU30A	S-48PU30A	S-3448PU30A
Outdoor Unit		U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	U-34PRH1Q6	U-43PRH1Q6	U-43PRH1Q9	U-48PRH1Q6	U-48PRH1Q9
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rated [Min-Max]	kW	5.00 [2.00-6.00]	6.00 [2.00-6.30]	7.10 [2.10-8.00]	10.00 [3.80-11.20]	12.50 [3.80-14.00]	12.50 [3.80-14.00]	14.00 [5.30-15.50]	14.00 [5.30-15.50]
	Btu/h	17,100 [6,820-20,500]	20,500 [6,820-21,500]	24,200 [7,170-27,300]	34,100 [13,000-38,200]	42,700 [13,000-47,800]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]
Current: Rated [Max]	A	4.1 [9.1]	5.7 [11.0]	7.0 [12.0]	11.1 [25.5]	16.2 [26.0]	5.3 [10.5]	19.4 [28.0]	6.4 [11.5]
Power Input: Rated [Min-Max]	kW	0.90 [0.26-1.35]	1.27 [0.26-1.65]	1.57 [0.28-2.25]	2.35 [0.62-3.00]	3.42 [0.63-4.10]	3.42 [0.63-4.10]	4.10 [0.96-4.90]	4.10 [0.96-4.90]
CSPF		7.50 [★★★★]	7.10 [★★★★]	6.80 [★★★★]	6.60 [★★★★]	6.30 [★★★★]	6.30 [★★★★]	5.70 [★★★★]	5.70 [★★★★]
COP/EER	W/W	5.56	4.72	4.52	4.26	3.65	3.65	3.41	3.41
	Btu/hW	19.00	16.14	15.41	14.51	12.49	12.49	11.66	11.66
Indoor Unit									
Air Volume	m³/min	25.0	25.0	25.0	36.4	36.4	36.4	36.4	36.4
	cfm	882	882	882	1,285	1,285	1,285	1,285	1,285
Sound Pressure Level [Hi/L0]	dB [A]	42 / 35	42 / 35	42 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
Sound Power Level [Hi/L0]	dB [A]	57 / 50	57 / 50	57 / 50	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
Dimension	Indoor [HxWxD]	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel [HxWxD]	mm	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950
Net Weight	Indoor	kg	21	21	21	24	24	24	24
	Panel	kg	5	5	5	5	5	5	5
Outdoor Unit									
Sound Pressure Level	dB [A]	50	51	53	54	57	57	58	58
Sound Power Level	dB [A]	69	70	72	73	76	76	77	77
Dimension	Outdoor [HxWxD]	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net Weight		kg	39	39	39	69	69	75	73
Piping Connection	Gas Pipe	mm (inch)	12.70 [1/2]	12.70 [1/2]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	6.35 [1/4]	6.35 [1/4]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
Pipe Length	Min-Max	m	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	30	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30	30
Additional Gas	g/m	15	15	25	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	16-52	16-52	16-52

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * DELUXE series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

What's New of nanoe™ X Generator Mark 3

48 Trillion Hydroxyl Radicals Generated

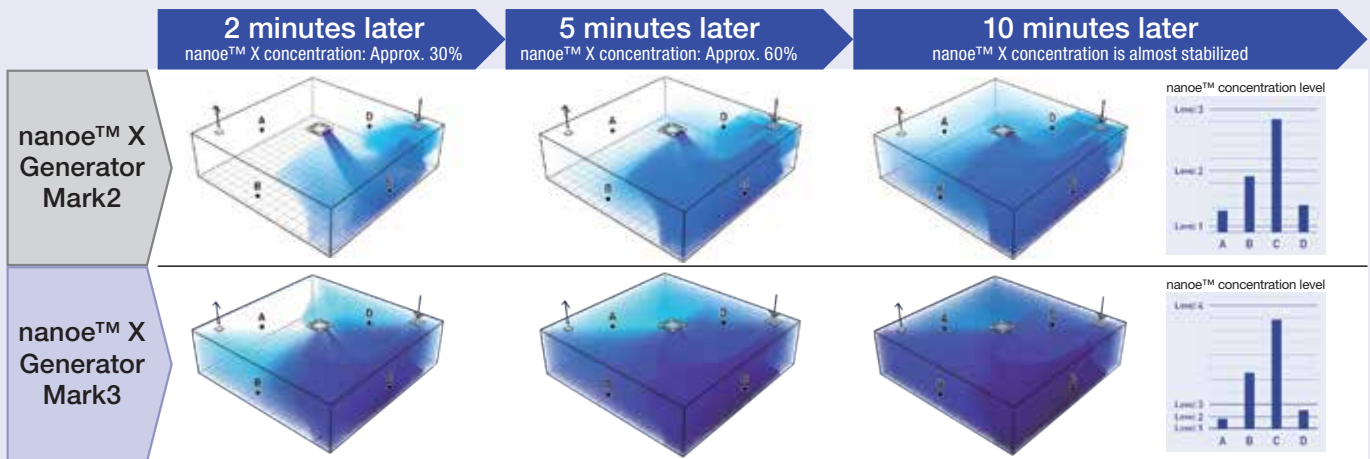
The amount of hydroxyl radicals generated increased 100 times, compared to original nanoe™.

Higher Concentration, Even in Large Spaces

Greater effectiveness even in large spaces of more than 100 m².

nanoe™ X Concentration Simulation

Higher concentration levels of generator mark 3 than mark 2.



Conditions of the simulation : Verification space : 168 m³ / Room size: 70 m² / Room height: 2.4 m/Inspection model: 4-way cassette / Position of IDU: center

nanoe™ concentration level

1 2 3 4

* There are 7 key benefits provided by nanoe which commence when concentration reaches Level 1. The concentration level affects the speed at which the benefits occur. Concentration level 2 is 10 times the concentration of level 1, and concentration level 3 is 20 times the concentration of level 1. ** The results shown are for simulation purpose only and concentration may vary due to actual room conditions

STANDARD 4-WAY CASSETTE

- Industry-leading powerful, 360° wide & comfortable airflow.
- Individual flap control for true-comfort.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.



STANDARD

Specifications of R32 STANDARD Series R32

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	29,000	34,100	42,700	42,700 [3]	47,800	47,800[3]
Power Source	V/Phase Hz 230V, 1Ø Phase - 60Hz								
Indoor Unit	S-18PU3Q	S-21PU3Q	S-24PU3Q	S-30PU3Q	S-34PU3Q	S-43PU3Q	S-448PU3Q	S-48PU3Q	S-3448PU3Q
Outdoor Unit	U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Panel	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rated [Min-Max]	kW Btu/h								
Current: Rated [Max]	A								
Power Input: Rated [Min-Max]	kW								
CSPF									
COP/EER	W/W Btu/hW								
Indoor Unit									
Air Volume	m³/min cfm								
Sound Pressure Level [Hi/Lo]	dB [A]								
Sound Power Level [Hi/Lo]	dB [A]								
Dimension	Indoor [HxWxD] mm Panel [HxWxD] mm								
Net Weight	Indoor kg Panel kg								
Outdoor Unit									
Sound Pressure Level	dB [A]								
Sound Power Level	dB [A]								
Dimension	Outdoor [HxWxD] mm								
Net Weight	kg								
Piping Connection	Gas Pipe mm (inch) Liquid Pipe mm (inch)								
Pipe Length	Min-Max m								
Elevation Difference	m								
Maximum Chargeless Length	Max m								
Additional Gas	g/m								
Operation Range, Outdoor	Min-Max °C								

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Advantages of New 4-way Cassette

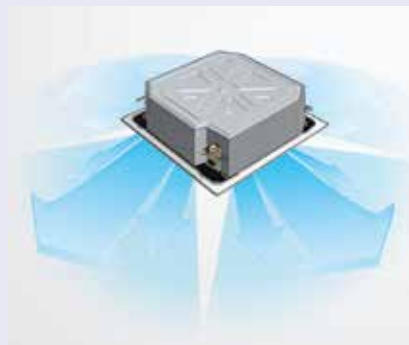
Compact, Modern & Flat Panel Design

Featuring uniform cooling, easy installation, and with a sleek exterior, this unit is the perfect match for all commercial applications.



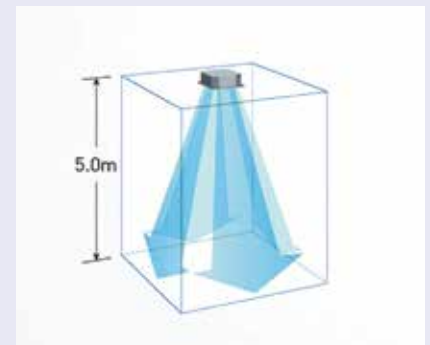
Powerful Airflow

Thanks to its compact design the Twisted 3D Blade Fan increases airflow.



360° Comfortable Airflow

Air coming out of the center of the discharge outlets travels farther. Air is discharged across a wide area from the four sides of the unit.



Wide Flap

A wider main flap and sub flap reduce turbulence and increase airflow. Also, a wider angle jetting port allows airflow to reach as far as five meters.

* 4-Way Cassette : 3448PU type

DELUXE / STANDARD ADAPTIVE DUCTED

- Air intake from rear as standard. Industry-leading horizontal and vertical design.
- Powerful 150Pa ESP and space saving 250 mm height, filter included.
- Built-in Drain pump and selectable air inlet position (bottom and rear).



Selectable Remote Controller



CZ-RTC5B



CZ-RTC6



CZ-RTC6
CZ-RTC6BL [BLE]
CZ-RTC6BLW [BLE&WLAN]



CZ-CAPWFC1

[Optional]
If not use
CZ-RTC6BLW,
The adaptor also
can be used.

nanoeX
Generator Mark2

DELUXE

Specifications of R32 DELUXE Series R32

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	34,100	42,700	42,700[3]	47,800	47,800[3]
Power Source	V/Phase Hz	230V, 10 Phase - 60Hz							
Indoor Unit		S-1821PF3Q	S-1821PF3Q	S-2430PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q
Outdoor Unit		U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	U-34PRH1Q6	U-43PRH1Q6	U-43PRH1Q9	U-48PRH1Q6	U-48PRH1Q9
Cooling Capacity: Rated [Min-Max]	kW	5.00 [1.60-6.00]	6.00 [1.60-6.30]	7.10 [1.80-8.00]	10.00 [3.80-11.20]	12.50 [3.80-14.00]	12.50 [3.80-14.00]	14.00 [5.30-15.50]	14.00 [5.30-15.50]
	Btu/h	17,100 [5,460-20,500]	20,500 [5,460-21,500]	24,200 [6,140-27,300]	34,100 [13,000-38,200]	42,700 [13,000-47,800]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]
Current: Rated [Max]	A	5.3 [9.1]	7.1 [11.0]	8.0 [12.0]	11.3 [25.5]	17.0 [26.0]	5.6 [10.5]	20.5 [28.0]	6.7 [11.5]
Power Input: Rated [Min-Max]	kW	1.16 [0.24-1.55]	1.58 [0.24-1.80]	1.80 [0.30-2.35]	2.40 [0.65-3.08]	3.59 [0.65-4.35]	3.59 [0.65-4.35]	4.34 [0.96-5.15]	4.34 [0.96-5.15]
CSPF		5.90 (★★★★)	5.60 (★★★★)	6.10 (★★★★)	6.40 (★★★★)	5.45 (★★★★)	5.45 (★★★★)	5.55 (★★★★)	5.55 (★★★★)
COP/EER	W/W	4.31	3.80	3.94	4.17	3.48	3.48	3.23	3.23
	Btu/hW	14.74	12.97	13.44	14.21	11.89	11.89	11.01	11.01
Indoor Unit									
Air Volume	m ³ /min cfm	16.0 565	16.0 565	21.0 740	36.0 1,270	36.0 1,270	36.0 1,270	36.0 1,270	36.0 1,270
External static pressure	Pa	30 [10-150]	30 [10-150]	30 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]
Sound Pressure Level [Hi/L0]	dB [A]	35 / 29	35 / 29	35 / 29	40 / 30	40 / 30	40 / 30	40 / 30	40 / 30
Sound Power Level [Hi/L0]	dB [A]	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
Dimension	Indoor (HxWxD)	mm	250 x 800 x 730	250 x 800 x 730	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
	Net Weight	Indoor	kg	25	25	30	39	39	39
Outdoor Unit									
Sound Pressure Level	dB [A]	50	51	53	54	57	57	58	58
Sound Power Level	dB [A]	69	70	72	73	76	76	77	77
Dimension	Outdoor (HxWxD)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net Weight		kg	39	39	39	69	69	75	73
Piping Connection	Gas Pipe	mm (inch)	12.70 [1/2]	12.70 [1/2]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	6.35 [1/4]	6.35 [1/4]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
Pipe Length	Min-Max	m	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	30	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30	30
Additional Gas		g/m	15	15	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	16-52	16-52	16-52

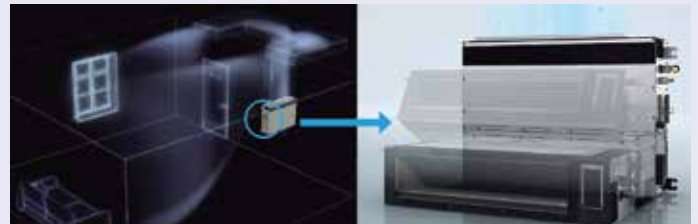
* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * DELUXE series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Flexible Installation Adaptive Ducted

New NX Series Adaptive Ducted units can be mounted not only horizontally but also vertically without the need for alterations. Our groundbreaking drain pan design delivers a new level of flexibility in an industry-leading vertical installation.



Product information



Horizontal

Vertical

Compact Body with Powerful 150 Pa ESP

The indoor units have also been completely renewed, offering a 40 mm height reduction to only 250 mm and a weight reduction of up to 10%, all while maintaining the same powerful 150 Pa.

* Compared to conventional model.

Space saving 250 mm height



Height 290 mm Weight* 31 kg

Height 250 mm Weight* 25 kg

Note: In the case of 5.0kW and 6.0kW.

150Pa



STANDARD

Specifications of R32 STANDARD Series R32

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	27,600	34,100	42,700	42,700 (3)	47,000	47,000(3)
Power Source	V/Phase Hz	230V, 1Ø Phase - 60Hz								
Indoor Unit		S-1821PF3Q	S-1821PF3Q	S-2430PF3Q	S-2430PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q
Outdoor Unit		U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Cooling Capacity: Rated [Max]	kW	5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.00-7.60]	8.10 [2.00-8.90]	10.00 [3.20-11.20]	12.50 [3.80-13.50]	12.50 [3.80-13.50]	13.77 [3.80-14.20]	13.77 [3.80-14.20]
	Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [6,820-25,900]	27,600 [6,820-30,400]	34,100 [10,900-38,200]	42,700 [13,000-46,100]	42,700 [13,000-46,100]	47,000 [13,000-48,500]	47,000 [13,000-48,500]
Current: Rated [Min-Max]	A	6.9 [9.1]	8.7 [11.0]	10.1 [12.0]	11.5 [15.5]	13.8 [16.5]	18.7 [26.0]	6.1 [10.5]	22.5 [28.0]	7.4 [11.0]
	kW	1.54 [0.41-1.75]	1.95 [0.41-2.30]	2.27 [0.34-2.48]	2.60 [0.33-2.90]	3.12 [0.59-3.65]	3.96 [0.65-4.35]	3.96 [0.65-4.35]	4.77 [0.65-4.95]	4.77 [0.65-4.95]
CSPF		5.02 (★★★★)	4.65 (★★★★)	5.21 (★★★★)	5.21 (★★★★)	4.74 (★★★★)	5.02 (★★★★)	5.02 (★★★★)	4.74 (★★★★)	4.74 (★★★★)
COP/EER	W/W	3.25	3.08	3.13	3.12	3.21	3.16	3.16	2.89	2.89
	Btu/hW	11.10	10.51	10.66	10.62	10.93	10.78	10.78	9.85	9.85
Indoor Unit										
Air Volume	m ³ /min	16.0	16.0	21.0	21.0	36.0	36.0	36.0	36.0	36.0
	cfm	565	565	740	740	1,270	1,270	1,270	1,270	1,270
External static pressure	Pa	30 [10-150]	30 [10-150]	30 [10-150]	30 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]
Sound Pressure Level [Hi/L0]	dB [A]	35 / 29	35 / 29	35 / 29	35 / 29	40 / 30	40 / 30	40 / 30	40 / 30	40 / 30
Sound Power Level [Hi/L0]	dB [A]	58 / 52	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
Dimension	Indoor (HxWxD)	mm	250 x 800 x 730	250 x 800 x 730	250 x 1,000 x 730	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
	Net Weight	Indoor	kg	25	25	30	30	39	39	39
Outdoor Unit										
Sound Pressure Level	dB [A]	50	51	51	53	55	57	57	58	58
Sound Power Level	dB [A]	69	70	70	72	74	76	76	77	77
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Net Weight	kg	29	29	33	39	48	68	67	67
Piping Connection	Gas Pipe	mm (inch)	12.70 [1/2]	12.70 [1/2]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	6.35 [1/4]	6.35 [1/4]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
Pipe Length	Min-Max	m	5 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference	m	20	20	20	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	10	10	10	30	30	30	30	30
Additional Gas	g/m	15	15	15	25	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

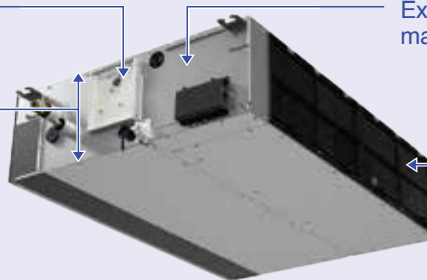
Technical Focus

Built-in Drain pump (DC motor pump)

External electrical equipment box makes maintenance easy

Space saving height of 250mm for all models

250mm standardised height provides easy and uniform installation for models with different capacities, especially when ceiling heights are restricted.



Built-in filter

Superior air quality • nanoeX

The new ducted models are equipped with nanoe™ X as standard, an unique air quality improvement technology producing twice the amount of hydroxyl radicals compared to previous generations. Combined with the strong static pressure this ensures pristine nanoe™ X air travels unaffected even through multiple duct shapes at lengths of 10m, as well as making them ideal for use in larger spaces.

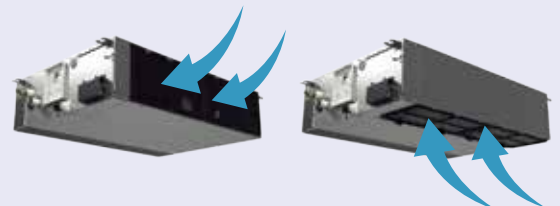


Note: PF3 and PE3 (16.0kW and below) ranges only.

Bend once Bend twice Bend three times
Based on in-house test result, even with a total ductwork length up to 10m, effectiveness of nanoe™ X is maintained.

Selectable air inlet position

A removable panel allows air inlet position to be adjusted to enable rear or bottom entry, depending on ductwork installation.



DELUXE / STANDARD CEILING EXPOSED

- The slim design makes thickness only 235 mm.
- Compact looking, stylish, one-motion design.
- Comfortable, long-distance airflow distribution.

(Accessory)



(Optional Wired Remote Controller)



CZ-RTC6
CZ-RTC6BL [BLE]
CZ-RTC6BLW [BLE&WLAN]



[Optional]
If not use
CZ-RTC6BLW,
The adaptor also
can be used.



nanoeX
Generator Mark2

DELUXE

Specifications of R32 DELUXE Series **R32**

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	34,100	42,700	42,700[3]	47,800	47,800[3]	
Power Source	V/Phase Hz	230V, 10 Phase - 60Hz				400V, 30 Phase - 60Hz		230V, 10 Phase - 60Hz		400V, 30 Phase - 60Hz
Indoor Unit		S-18PT3QA	S-21PT3QA	S-24PT3QA	S-34PT3QA	S-43PT3QA	S-3448PT3QA	S-48PT3QA	S-3448PT3QA	
Outdoor Unit		U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	U-34PRH1Q6	U-43PRH1Q6	U-43PRH1Q9	U-48PRH1Q6	U-48PRH1Q9	
Cooling Capacity: Rated [Min-Max]	kW	5.00 [1.80-6.00]	6.00 [1.80-6.30]	7.10 [1.80-8.00]	10.00 [3.80-11.20]	12.50 [3.80-14.00]	12.50 [3.80-14.00]	14.00 [5.30-15.50]	14.00 [5.30-15.50]	
	Btu/h	17,100 [6,140-20,500]	20,500 [6,140-21,500]	24,200 [6,140-27,300]	34,100 [13,000-38,200]	42,700 [13,000-47,800]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]	
Current: Rated [Max]	A	4.9 [9.1]	6.5 [11.0]	7.5 [12.0]	11.7 [25.5]	17.7 [26.0]	5.8 [10.5]	20.0 [28.0]	6.6 [11.5]	
Power Input: Rated [Min-Max]	kW	1.08 [0.27-1.43]	1.44 [0.27-1.72]	1.70 [0.25-2.15]	2.47 [0.68-3.04]	3.75 [0.68-4.40]	3.75 [0.68-4.40]	4.24 [0.94-5.00]	4.24 [0.94-5.00]	
CSPF		7.20 [★★★★★]	6.70 [★★★★★]	6.85 [★★★★★]	6.05 [★★★★★]	5.50 [★★★★★]	5.50 [★★★★★]	5.40 [★★★★★]	5.40 [★★★★★]	
COP/EER	W/W	4.63	4.17	4.18	4.05	3.33	3.33	3.30	3.30	
	Btu/hW	15.83	14.24	14.24	13.81	11.39	11.39	11.27	11.27	
Indoor Unit										
Air Volume	m ³ /min	15.0	15.0	21.0	35.0	35.0	35.0	35.0	35.0	
	cfm	530	530	740	1,235	1,235	1,235	1,235	1,235	
Sound Pressure Level [Hi/L0]	dB [A]	38 / 29	38 / 29	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38	46 / 38	
Sound Power Level [Hi/L0]	dB [A]	56 / 47	56 / 47	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56	
Dimension	Indoor [HxWxD]	mm	235 x 960 x 690	235 x 960 x 690	235 x 1,275 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	
Net Weight	Indoor	kg	26	26	34	40	40	40	40	
Outdoor Unit										
Sound Pressure Level	dB [A]	50	51	53	54	57	57	58	58	
Sound Power Level	dB [A]	69	70	72	73	76	76	77	77	
Dimension	Outdoor [HxWxD]	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	
Net Weight	kg	39	39	39	69	69	67	75	73	
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
	Liquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	
Pipe Length	Min-Max	m	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	
Elevation Difference	m	30	30	30	30	30	30	30	30	
Maximum Chargeless Length	Max	m	30	30	30	30	30	30	30	
Additional Gas	g/m	15	15	25	25	25	25	25	25	
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	16-52	16-52	16-52	

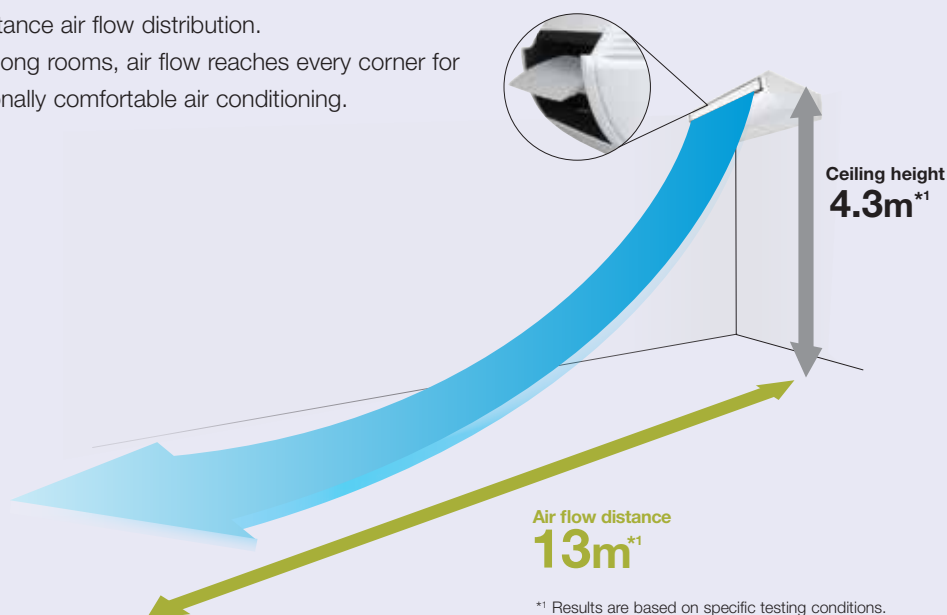
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Advantages of Ceiling Exposed

Comfortable, Long-Distance Airflow Distribution

The shape of the outlet has been optimised to provide long-distance air flow distribution.

Even in long rooms, air flow reaches every corner for exceptionally comfortable air conditioning.



*1 Results are based on specific testing conditions.



NX Series Lineup



STANDARD

Specifications of R32 STANDARD Series R32

Capacity [Btu/h/Phase]	17,100	20,500	24,200	29,000	34,100	42,700	42,700 [3]	45,500	45,500[3]	
Power Source	V/Phase Hz				230V, 1Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz		230V, 1Ø Phase - 60Hz	
Indoor Unit	S-18PT3Q		S-21PT3Q		S-24PT3Q		S-30PT3Q		S-34PT3Q	
Outdoor Unit	U-18PR1Q6		U-21PR1Q6		U-24PR1Q6		U-30PR1Q6		U-34PR1Q6	
Cooling Capacity: Rated [Min-Max]	kW	5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.00-7.80]	8.50 [2.00-9.60]	10.00 [3.20-11.20]	12.50 [3.80-13.54]	13.33 [3.80-14.00]	13.33 [3.80-14.00]	13.33 [3.80-14.00]
	Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [6,820-26,600]	29,000 [6,820-32,800]	34,100 [10,900-38,200]	42,700 [13,000-46,200]	45,500 [13,000-47,800]	45,500 [13,000-47,800]	45,500 [13,000-47,800]
Current: Rated [Max]	A	6.0 [9.1]	8.6 [11.0]	9.3 [12.0]	12.2 [15.5]	14.9 [16.5]	19.4 [26.0]	6.4 [10.5]	21.3 [28.0]	7.0 [11.0]
Power Input: Rated [Min-Max]	kW	1.33 [0.39-1.65]	1.92 [0.39-2.25]	2.10 [0.32-2.36]	2.75 [0.29-3.31]	3.36 [0.58-3.77]	4.10 [0.68-4.50]	4.10 [0.68-4.50]	4.50 [0.68-4.80]	4.50 [0.68-4.80]
CSPF		6.18 (★★★★)	5.65 (★★★★)	5.51 (★★★★)	5.86 (★★★★)	5.04 (★★★★)	5.08 (★★★★)	5.08 (★★★★)	4.98 (★★★★)	4.98 (★★★★)
COP/EER	W/W	3.76	3.13	3.38	3.09	2.98	3.05	3.05	2.96	2.96
	Btu/h/W	12.86	10.68	11.52	10.55	10.15	10.41	10.41	10.11	10.11
Indoor Unit										
Air Volume	m ³ /min	15.0	15.0	21.0	21.0	35.0	35.0	35.0	35.0	35.0
	cfm	530	530	740	740	1,235	1,235	1,235	1,235	1,235
Sound Pressure Level [Hi/Lo]	dB [A]	38 / 29	38 / 29	40 / 32	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38	46 / 38
Sound Power Level [Hi/Lo]	dB	56 / 47	56 / 47	58 / 50	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
Dimension	Indoor [HxWxD]	mm	235 x 960 x 690	235 x 960 x 690	235 x 1,275 x 690	235 x 1,275 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690
Net Weight	Indoor	kg	26	26	34	34	40	40	40	40
Outdoor Unit										
Sound Pressure Level	dB [A]	50	51	51	53	55	57	57	58	58
Sound Power Level	dB	69	70	70	72	74	76	76	77	77
Dimension	Outdoor [HxWxD]	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net Weight		kg	29	29	33	39	48	68	67	67
Piping Connection	Gas Pipe	mm (inch)	12.70 [1/2]	12.70 [1/2]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	6.35 [1/4]	6.35 [1/4]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
Pipe Length	Min-Max	m	5 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	20	20	20	30	30	30	30	30
Maximum Chargeless Length	Max	m	10	10	10	30	30	30	30	30
Additional Gas		g/m	15	15	15	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46

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NX Series Remote Controller Information

		Compatibility Table		
CONEX Type		CZ-RTC6BLW Built-in BLE & WLAN	CZ-RTC6BL Built-in BLE	CZ-RTC6
App		○	○	—
		○	○	—
		○	—	—

Wireless Remote Controller

* For 4-Way Cassette & Ceiling Exposed



Wired Remote Controller



CZ-RTC6BLW
CZ-RTC6BL
CZ-RTC6

CZ-RTC5B

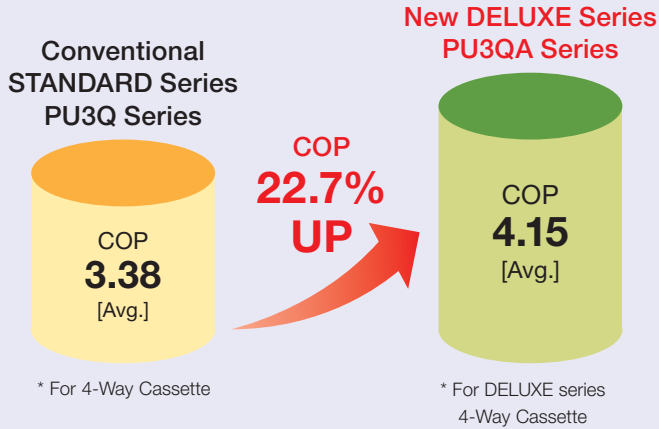
CZ-RTC4

High Energy Efficiency

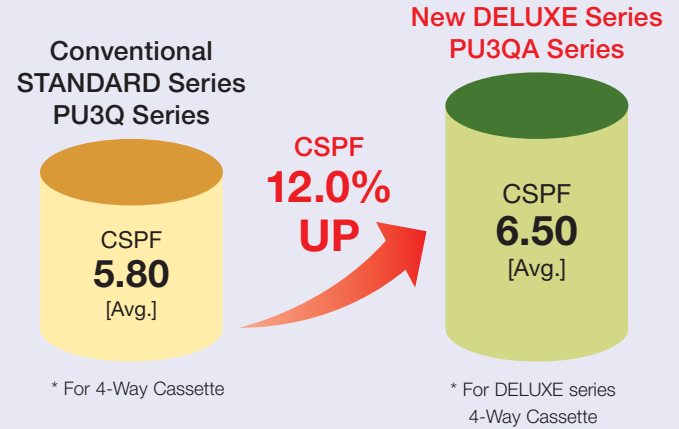
Save Power Consumption

NX series has 2 Lineup DLX & STD series, choose STD and DLX series depend on the project requirements. For DLX series, the Coefficient of Performance has been especially improved to reduce power consumption.

COP Comparison

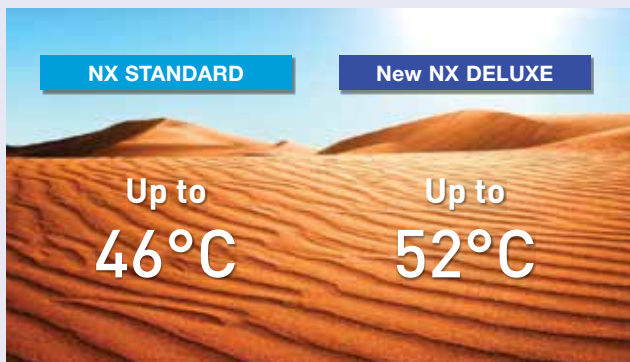


CSPF Comparison

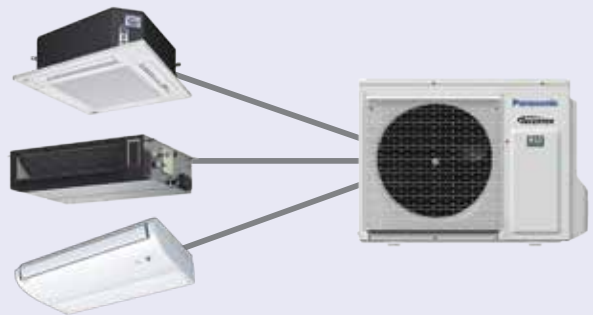


Operation Temperature

The operating range of the new NX series expanded up to outdoor air temperature of 52°C. Even in an extremely hot environment like Asian countries, they operate powerfully with its toughness.

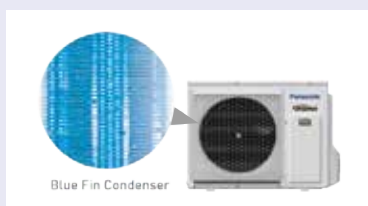


Long Piping Length



Differences	DELUXE series	STANDARD series
Piping length	5-50m for all range	24,200 Btu or less: 5-30m 29,000 Btu and above : 5-50m

Advantages for Outdoor Unit



High Durability Outdoor Unit

All Panasonic heat exchangers feature our Blue Fin technology, which offers enhanced corrosion resistance compared to non-Blue Fin models.

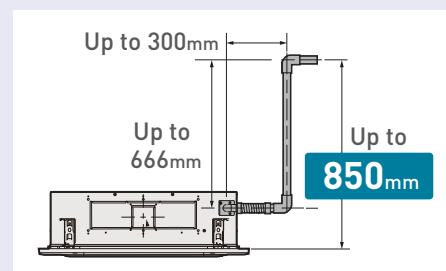


In-house manufactured compressor

Panasonic all in-house manufactured compressors are supplied to the world. The cumulative total of high-quality compressors in use has reached 580 million units*.

* As of September 2019. (In-house research)

Installation Instruction



A strong and quiet drain pump

The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy. Supports for 4-way Cassette

Floor Standing Lineup

- Stylish design & powerful air flow
- The control panel/remote controller have nanoe™ X displays
- Compact 34,100 Btu ODU (210 mm shorter/27 kg lighter than current model)

(S-24PB3Q6 Accessory)



(S-24PB3Q6 Control Panel)



(S-34/43/48 PB3Q6 Accessory)



(S-34/43/48 PB3Q6 Control Panel)



S-24PB3Q6



S-34PB3Q6/
S-43PB3Q6/
S-48PB3Q6



Capacity [Btu/h]		24,600	34,100	42,700	47,750
Power Source	V/Phase Hz	230V, 1Ø Phase - 60Hz			
Indoor		S-24PB3Q6	S-34PB3Q6	S-43PB3Q6	S-48PB3Q6
Outdoor		U-24PRB1Q6	U-34PSB3Q6	U-43PSB3Q6	U-48PSB3Q6
Cooling Capacity: Rated (Min-Max)	kW	7.25 [1.00-7.50]	10.00 [1.20-10.30]	12.53 [2.00-13.50]	14.00 [2.00-14.60]
	Btu/h	24,600 [3,410-25,570]	34,100 [4,090-35,120]	42,700 [6,820-46,030]	47,750 [6,820-49,780]
Current: Rated (Max)	A	11.2 [13.7]	15.1 [16.9]	20.3 [26.9]	25.6 [28.1]
Cooling Power Input: Rated (Min-Max)	kW	2.55 [0.21-2.80]	3.45 [0.30-3.60]	4.47 [0.80-5.00]	5.60 [0.80-5.70]
CSPF		4.05 [★★★★★]	4.06 [★★★★★]	4.06 [★★★★★]	4.06 [★★★★★]
Cooling Rated COP/EER	W/W	2.84	2.89	2.80	2.50
	Btu/hW	9.64	9.88	9.55	8.52
Indoor Unit					
Cooling Air Volume	m³/min	15.5	32.0	32.0	32.0
	cfm	547	1,130	1,130	1,130
Sound Pressure Level (Hi/Lo)	dB (A)	45 / 33	53 / 44	53 / 44	53 / 44
Sound Power Level (Hi/Lo)	dB (A)	58 / 46	66 / 57	66 / 57	66 / 57
Dimension	Indoor [HxWxD]	1,680 x 500 x 318	1,880 x 600 x 357	1,880 x 600 x 357	1,880 x 600 x 357
Net Weight	Indoor	kg	29.5	45.0	45.0
Outdoor					
Sound Pressure Level	dB (A)	54	54	55	56
Sound Power Level	dB (A)	67	67	68	69
Dimension Outdoor: [HxWxD]	mm	626 x 825 x 320	786 x 900 x 320	996 x 940 x 340	996 x 940 x 340
Net Weight	kg	36.0	45.0	74.0	74.0
Piping Connection	Gas Pipe	mm (inch)	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	6.35 [1/4]	6.35 [1/4]	9.52 [3/8]
Pipe Length	Min-Max	m	3 - 40	7.5 - 50	7.5 - 50
Elevation Difference (Outdoor unit upper)	m	20	20	30	30
Maximum Chargeless Length Max	m	15	20	20	20
Additional Gas	g/m	10	40	50	50
Operation Range, Outdoor	Min-Max	°C	18-43	18-43	18-43

* Specifications are subject to change without notice. Please refer to technical documents for more details.
* The sound pressure level is measured in accordance with JIS C 9 612 and JIS B 8616.

Clean airflow direction control with remote controller

Easily swing the louvre at the touch of a button.



S-24PB3Q6 Blow distance: Up to 7 m



S-34/43/48PB3Q6 Blow distance: Up to 11 m



Other Functions

Random auto restart

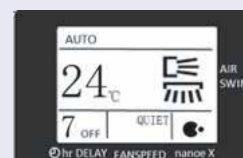
During a power failure, when power is restored, it automatically restarts operating in the same mode as just before power was lost.

Auto fan mode

When the auto fan mode is set, the indoor unit of the air conditioner automatically is adjusted the suitable fan speed according to factors such as load.

12-hour On/Off delay setting timer















Pressing the timer button on the remote control lets you set operation start/stop time within 12 hours of the current time.



* The images above show the remote controller screen display.

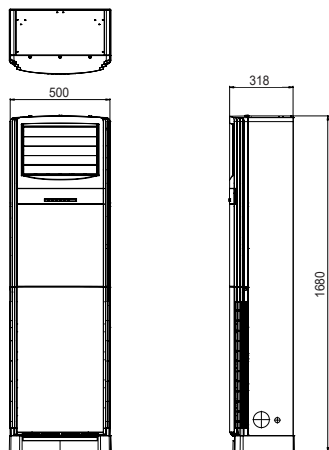
Floor Standing Lineup

- All new models equipped with nanoe™ X Generator Mark 2 as standard
- Little installation work required, easy to clean
- Adjustable airflow direction provides a comfortable space for all

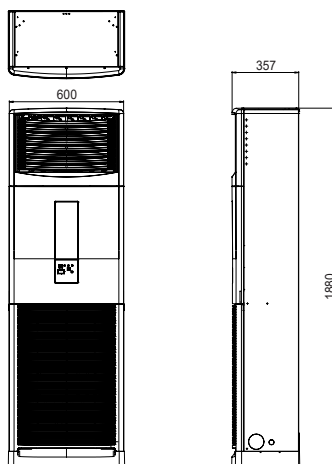
Type	Btu/h	24,600	34,100	42,700	47,750
Refrigerant	 				
Floor standing 		S-24PB3Q6			
Floor standing 			S-34PB3Q6	S-43PB3Q6	S-48PB3Q6
Outdoor   	  	U-24PRB1Q6	U-34PSB3Q6	U-43PSB3Q6	U-48PSB3Q6

FLOOR STANDINGS NEW // Dimensions

S-24PB3Q6

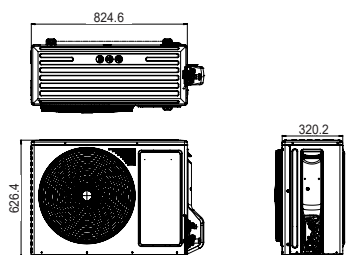


S-34/43/48PB3Q6

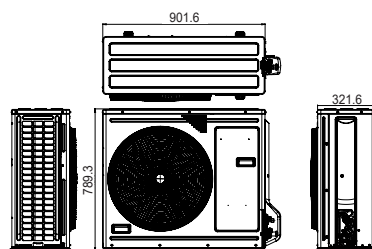


OUTDOOR UNITS NEW // Dimensions

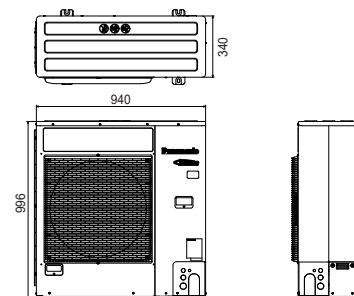
U-24PRB1Q6



U-34PSB3Q6



U-43/48PSB3Q6



Product Lineup

2-WAY FSV-EX ME2 Series

Extraordinary energy-saving performance and powerful operation



Space-saving Combination Model

Cooling or Heating Type

Hi-Durability Model

- Wide range of systems from 8HP to 80HP
- Class-leading EER of 5.3 (for 8HP model)
- Industry-leading low noise of 53.0 DB (8HP model)
- Cooling operation possible with outdoor temperature as high as 52°C (DB)
- Long maximum pipe length (up to 1,000 m)
- Up to 64 indoor units connectable
- External static pressure of 80 Pa
- Extended operating range allows heating with outdoor temperatures as low as -25°C (WB)
- Suitable for R22 refurbishing projects



High Efficiency Combination Model

Cooling or Heating Type

Hi-Durability Model

- Wide range of systems from 8HP to 64HP
- Class-leading EER of 5.3 (for 8HP model)
- Higher EER than the Space-saving Combination Model e.g., a combination of two 10HP units delivering 20HP reduces compressor load.
- Suitable for R22 refurbishing projects

2-WAY Mini-FSV LE2/LE1 Series

For small-scale commercial and residential use



LE2 (3-phase)

Cooling or Heating Type 1/3-phase

4/5/6 HP

- High external static pressure 35Pa
- Wide operation range: Cooling: -10°C to 46°C DB, Heating at: -20°C to 18°C WB
- Refrigerant chargeless up to 50m
- Extraordinary energy saving: 5.08 EER for 4HP model
- Suitable for R22 renewal projects
- Maximum number of connectable indoor units : 9*
* 6 HP only; 4 HP for 7 units, 5 HP for 8 units.



LE1

Cooling or Heating Type 3-phase

8/10 HP

- High external static pressure 35Pa
- Wide operation range: Cooling: -10°C to 46°C DB, Heating at: -20°C to 18°C DB
- Actual piping length: 150m (Total piping length: 300m)
- System difference of elevation: 50m /40m (outdoor above/below)
- Difference in elevation between indoor units: 15m
- Suitable for R22 renewal project
- Maximum number of connectable indoor units : 13

VRF Smart Connectivity+

VRF Smart Connectivity+ offers efficient energy management and a new air conditioning control solution with high IAQ.



Energy Management System for Rooms

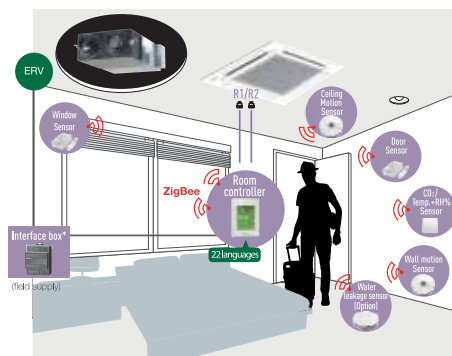
Sensing & Control technology

Detecting a room's temperature, humidity and CO2 concentration, ZigBee remote sensors detect the opening/closing of windows and doors, and the presence/absence of people in a room. Various IAQ controls and detailed energy savings are possible by using Interface box* based on this detected information.



Schneider Electric smart controller SE8000

- Dramatic Reduction of OpEx with Outstanding IAQ.
- User-/Owner-friendly.
- Ultimate Customisation.
- Easy Design and Plug and Play Reducing CapEx.

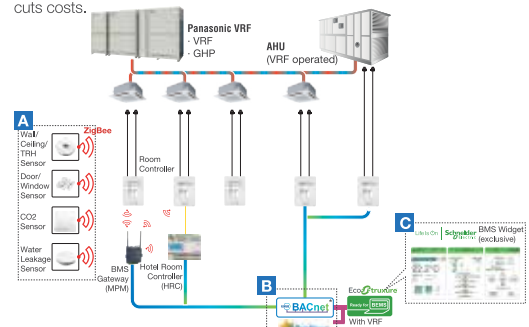


* Product availability may vary by sales area. Please consult with an authorized Panasonic distributor.

Management System for the Entire Building

Plug and Play BMS connection

With the SE8000, connection to BMS is extremely easy better still, a remote controller is all that's needed to enable use as a stand-alone system. In addition to dramatically reducing the burden on system integrators, this cuts costs.



- A** SE8000 smart controller with direct hub to ZigBee Pro sensors
- B** BACnet MS/TP or Modbus RTU direct connection can be assigned a device address by room scale.
- C** For Schneider Electric BMS connection, Panasonic VRF widgets enable easy Plug and Play

VRF System Air Conditioners

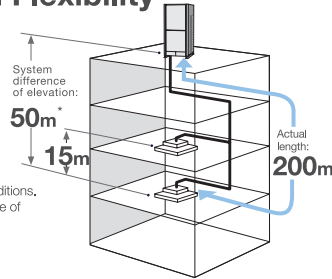
Designed for energy-savings, high efficiency, and high durability

Flexible Installation (FSV-EX ME2 Series)

Increased Piping Length for Greater Design Flexibility

The ME2 Series supports greater distances between indoor units and outdoor units, making it adaptable to buildings of various types and sizes.

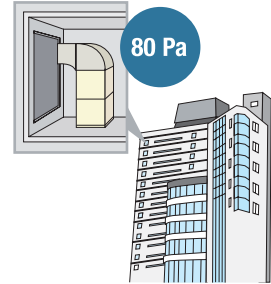
*1: 40 m if the outdoor unit is below the indoor unit.
*Elevation difference of Max. 90m in case of ODU is higher than IDU may be allowed following certain conditions.
Please consult with Panasonic sales engineers in case of piping elevation of over 50m is required.



Max. total length: 1,000m

High External Static Pressure On Condensers

With a newly designed fan, fan guard, motor, and casing, new models can be custom-installed on-site to provide up to 80 Pa of external static pressure. An air discharge duct prevents shortages of air circulation, allowing outdoor units to be installed on every floor of a building.



Single Outdoor Units Combine to Expand Capacity up to 80HP

Designed to be durable enough to withstand extreme heat, FSV EX ensures reliable cooling operation over an extended operation range up to 52°C.



(8-10HP) (12-16HP) (18-20HP)

From 8HP up to 80HP*

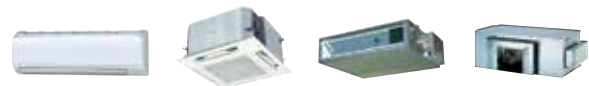


8HP → Expanded air conditioning space in building → 80HP*

*High efficiency combination model provides capacity up to 64HP.

Up to 64* Indoor Units can be connected

Flexibility in piping makes it easier to design air conditioning systems for locations such as train stations, airports, schools, and hospitals



Up to **64***
indoor units can be connected



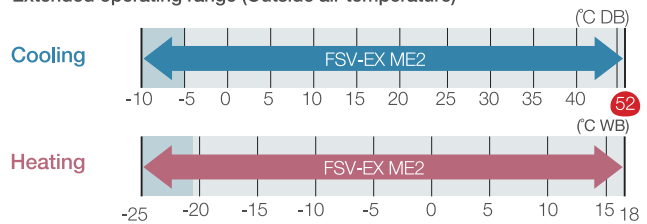
*Maximum number of indoor units depends on outdoor unit capacity.

High Efficiency (FSV-EX ME2 Series)

High Reliability Even Under High Temperature Conditions

Designed to be durable enough to withstand extreme heat, FSV EX ensures reliable cooling operation over an extended operation range up to 52°C.

Extended operating range (Outside air temperature)



Advanced Control Solutions

OPERATION SYSTEM	INDIVIDUAL CONTROL SYSTEMS				TIMER OPERATION	CENTRALISED CONTROL SYSTEMS				BMS System PC Base	Connection with 3rd Party Controller
	Requirements	High-spec operation	Normal operation	Operation from anywhere in the room		Operation with various functions from a central location	Only ON/OFF operation from a central location	Simplified load distribution ratio (LDR) for each tenant	10.4 in. touch screen panel color LCD		
External appearance										P-AIMS Software Up to 1024 units 	Seri-Para I/O unit for outdoor unit
Type, model name	Simplified high-spec Wired Remote Controller CZ-RTC6 CZ-RTC6BL	High-spec Wired Remote Controller CZ-RTC5B	Timer Remote Controller (Wired) CZ-RTC4	Wireless Remote Controller Controller: CZ-RWS3 Receiver: CZ-RWRU3 CZ-RWRL3 CZ-RWRD3 CZ-RWRT3 CZ-RWRP3	Schedule Timer CZ-ESWC2	System Controller CZ-64ESMC3	ON/OFF Controller CZ-ANC3	Intelligent Controller CZ-256ESMC3 (CZ-CFUNC2)	Optiona Software 	Seri-Para I/O unit for each indoor unit 	
Built-in thermostat	●	●	●	—	—	—	—	—	—	—	—
ECONAVI ON/OFF control	●	●	●	●	—	●	—	●	—	—	—
Number of indoor units which can be controlled	1 group, 8 units	1 group, 8 units	1 group, 8 units	1 group, 8 units	64 groups, max. 64 units	64 groups, max. 64 units	16 groups, max. 64 units	64 units x 16 systems, max. 256 units	—	—	—

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 September 2021.
- 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 damage or deterioration in safety due to usage of other refrigerant.

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Panasonic Heating & Cooling Solutions

Global site : aircon.panasonic.com

PRO Club : panasonicproclub.global



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