A CENTURY OF RELIABILITY

Panasonic

ROOM AIR CONDITIONERS

2018 / 2019

PREMIUM INVERTER

DELUXE INVERTER

nanoe™ TECHNOLOGY | AEROWINGS | INVERTER

QUALITY AIR FOR LIFE

Panasonic

- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of January 2017.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.

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

Authorised Dealer

Panasonic Singapore Customer Care Centre

202 Bedok South Avenue 1, Block A
Singapore 469332
Tel : +65 6222 7222
Email : service@sg.panasonic.com
Website : www.panasonic.com.sg

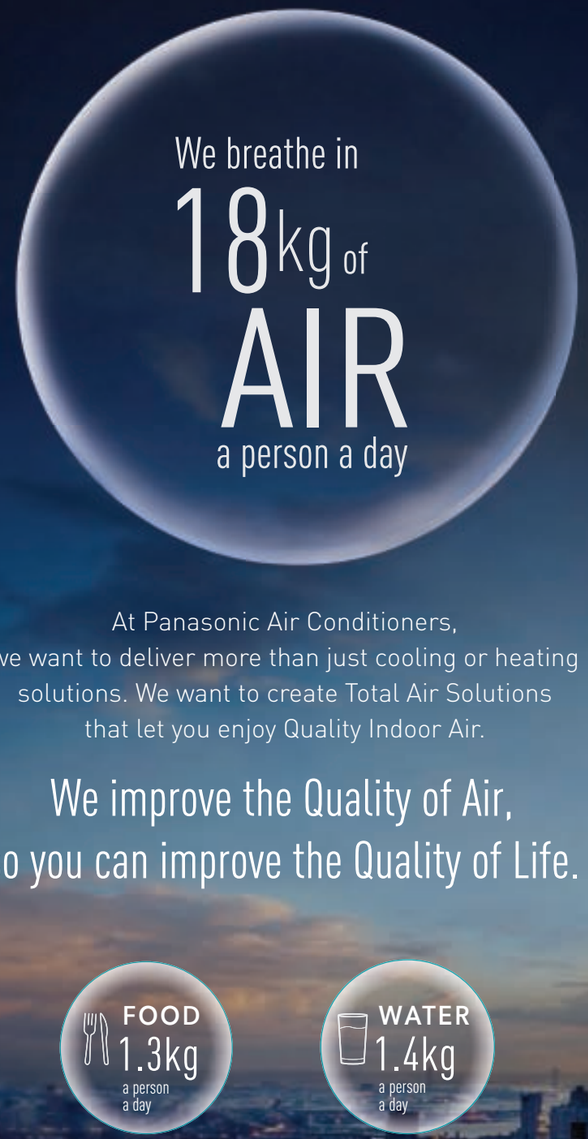
www.facebook.com/sgpanasonic

Panasonic Global Air Conditioner

Global site : aircon.panasonic.com
PROClub : panasonicproclub.global

airconpanasonicglobal

AC-SG-C-18



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

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

QUALITY AIR FOR LIFE

INDEX

The nanoe™ Technology

nanoe™ is nano-sized water particle filled with OH radicals.
nanoe™ Technology removes dust particles, deodorises adhesive odours and deactivate bacteria & viruses for a fresher and cleaner indoor environment.

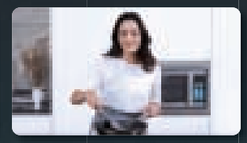
Quality Air For Life

Air Is Life

Clean Air for Fresher & Cleaner Living Space

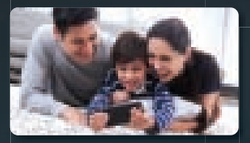
Dust Removal

Wake up feeling fresh with nanoe-G working round-the-clock to remove dust particles as small PM 2.5 from your room.



Deodorises

nanoe-G freshen up your living space by deodorising adhesive odours, for a pleasant environment for you and your loved ones.



Deactives Bacteria & Viruses

nanoe-G deactivates bacteria & viruses, so you and your family can enjoy quality time with peace of mind in a cleaner environment.

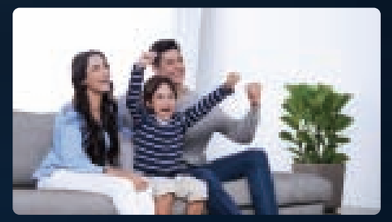
Purifies Even When Cooling is Off

nanoe™ Technology is able to operate even when the cooling is off, so it can continue to purify and deodorise your home while you're away.

Air Is Comfort

Healthy Airflow for Better Comfort

FAST COOLING
SHOWER COOLING



Air Is Energy

Energy Saving For Greater Efficiency

INVERTER

Unchanging principles for a rapidly changing world

Panasonic was founded in 1918 by Konosuke Matsushita. Taking to heart people's desires to live life ever more comfortably, he worked day and night to develop a wide variety of innovative new products. That year, Panasonic introduced an improved attachment plug, which allowed people to power an electrical appliance from a light socket. Next was a double cluster socket that made it possible to power lights and appliances from a single source. The ideas were small, but the quality and value of the products were excellent, and their reputation spread. By offering better products at reasonable prices, the company began making its contribution to society. Since then, the world has greatly changed, but Panasonic's principles have not. Today, we express those principles with the words, "A Better Life, A Better World."

Panasonic began exporting its products in 1931 and was proactive in establishing a presence overseas. Today, Panasonic consumer electronics are offered through 172 locations in 37 countries and territories.* Listening to the voice of the customer in each market, we have worked constantly to create products that make life better for all people, no matter where they live.

And now, Panasonic's 100th anniversary is upon us. To address the changing times, we continue to develop the products of the future worldwide. And we will always cherish the principles our founder defined for us, one century ago.

* As of September 1, 2017

Founder
Konosuke Matsushita

1918

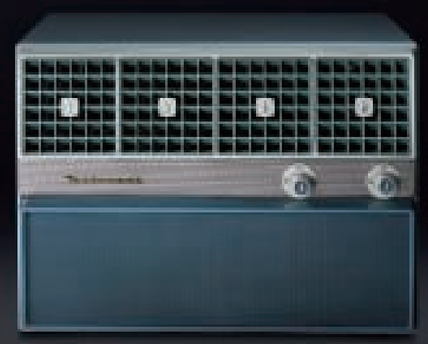
Panasonic founded,
introduces the improved attachment plug.

100 A CENTURY OF RELIABILITY

2018

CS-VU18UKH

Air Conditioner "SKY Series"



1958

W-31

First Room Air Conditioner

60 YEARS

Panasonic Air Conditioners

60th anniversary

Bringing You Ultimate Cooling Comfort Since 1958

1962 Window Air Conditioner Ad

1958	First Room Air Conditioner
1972	Room Heater / Air Conditioner
1993	Air Conditioner with Human Detection Sensor
2008	Air Conditioner with nanoe™ Technology
2016	Air Conditioner with Top Flap Airflow

In 1958, Panasonic developed the first compact window-type air conditioner to accommodate the demand for home use air conditioner in Japan. Since then, Panasonic has been taking a leading role in developing air conditioning solutions. Taking on the challenge of dealing with cold winters in Japan, Panasonic then introduced a model that could provide both effective cooling and heating. In the 1990s, room air conditioners were widely adopted in Japanese households, soon they became a common necessity in every Japanese home.

First Air Conditioner with nanoe™.

Panasonic stepped up its effort to develop its home air conditioning range to include inverter technology that reduces energy consumption, helping consumers save on electricity bills. The company further enhanced air conditioners' energy efficiency by inventing ECONAVI intelligent sensor technology that reduces energy wastage by sensing the level of activity in the room and optimizing cooling operation accordingly.

Panasonic advanced into intuitive cooling technology next by introducing models offering indirect cooling which cools the surroundings to create a more natural and even cooling comfort.

Consumers' rising health awareness led Panasonic to launch its first air conditioner equipped with nanoe™ Technology in Japan that provides clean and comfortable air. Now, Panasonic will launch a series of air conditioners equipped with newly improved nanoe™ Technology with outstanding air purification performance in deodorisation, bacteria and viruses inhibition and dust removal to enhance your indoor air quality, helping you to live a better and healthier life.

Radiant Cooling

Directs cool air towards the ceiling and walls, this model evenly cools the entire room.

PANASONIC'S MOST ADVANCED

Air Purification System

Air pollution isn't just an outdoor concern. People are spending more time indoors, making indoor air quality a more serious issue than most people realise.

Quality Air, Better Life For You and Your Family

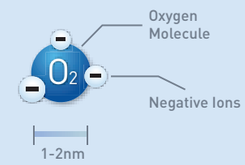
Panasonic's nanoe™ Technology is a revolutionary air purification system that effective in dust removal, deodorises and deactivates bacteria & viruses to create a fresher and cleaner living environment.

*Applicable to PREMIUM INVERTER and DELUXE INVERTER

nanoe-G releases negative ions to capture airborne particles in the air.

nanoe-G, Panasonic's original air-purifying and filtering system releases 3 trillion negative ions to remove airborne dust particles as small as PM2.5 and adhesive bacteria and viruses. It then deactivates these trapped particles in the positively-charged filter.

3 trillion*1
Negative Ions



Dust Removal*2

We breathe in large amounts of unseen bacteria, viruses, mites and mould circulating in the air or adhere to surfaces every day.

Deodorises*3

nanoe-G deodorises adhesive odours so you can enjoy a more pleasant living space for greater well-being.

Deactivates Bacteria & Viruses*4

nanoe-G deactivates bacteria and viruses in your home, maintaining a cleaner home for your children.

*1 Please refer to page 13
*2 Please refer to page 48-49
*3*4 Please refer to page 50

nanoe-G

Live in A Breath of Clean Air

nanoe-G air purification system removes microorganisms and dust particles as small as PM2.5 from the air by trapping them in the filter for deactivation. Purify your living environment for better breathing.

Remark:
* 3 trillion is the simulated number of nanoe-G negative ions under the mentioned conditions. Actual measured nanoe-G negative ions at the centre of the room (13m²): 100k/cc calculated number of nanoe-G negative ions in the entire room assuming they are evenly distributed.

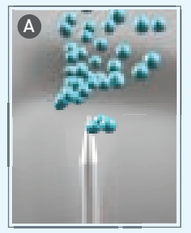
nanoe-G generators produces 3 trillion negative ions from the atomised electrode. Then, natural ion wind spreads the negative ions that are released from the nanoe-G generator to attach to airborne dust particles.

How nanoe-G Is Generated

1 nanoe-G generator releases 3 trillion nanoe-G negative ions.

2 nanoe-G negative ions spread to the filter using natural ion wind.

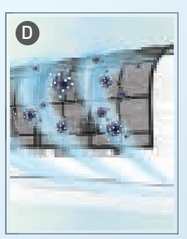
How nanoe-G Removes Dust Particles



nanoe-G ion generator releases negative ions.

Negative ions attach to dust particles.

These particles are being carried back to the air filter.



Deactivates 99%*4 bacteria and viruses trapped in the filter.

*4 Please refer to Pg51

1 Removes Airborne Particles

(Up To 99%*1 *2)

Removes airborne particles down to PM2.5*1. These particles*2 include bacteria, viruses and mould.

*1 & *2 Please refer to Pg 48-49

2 DEACTIVATES ADHESIVE PARTICLES & DEODORISES ADHESIVE ODOURS

(Up to 99%*3)

Deactivates adhesive micro-organisms and deodorises adhesive odours. Inhibits mould growth that settles on surfaces around you.

*3 Please refer to Pg50

3 IN-FILTER DEACTIVATION

(Up to 99%*4)

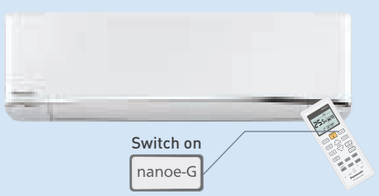
Deactivates bacteria and viruses trapped in the filter.

*4 Please refer to Pg51

PURIFIES WHEN COOLING IS OFF

nanoe™ Technology is able to function even when the cooling is off to continue purifying your living space.

Switch on nanoe-G mode

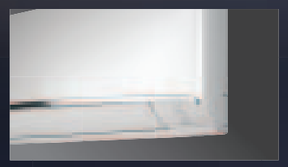


* Applicable to PREMIUM INVERTER and DELUXE INVERTER

Healthy Airflow

SLIM & SLEEK OUTLINE

- 37mm slimmer than previous models.



LUSTROUS PEARL FINISHING

- Classy tone with a soft, pearly glow.
- Chrome escutcheon with a sense of luxury.

AERO CONTROLLER

- Precise Temperature Control - Adjustable at 0.5°C.

DELUXE INVERTER
AERO SERIES
AIR CONDITIONER

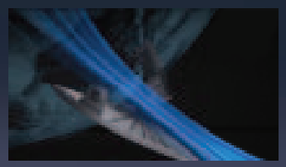
2 Independent Flaps & Motors - AEROWINGS

AEROWINGS is equipped with two independent motors that control the two independent flaps to direct concentrated airflow to cool an area effectively. The two flaps are able to channel and concentrate cool air upwards, which showers down gently over the room for even coolness- Shower Cooling.

AEROWINGS WITH FLEXIBLE TWIN FLAPS

AEROWINGS can cool you in two ways :

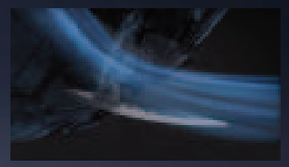
DIRECT COOLING



FAST COOLING

AEROWINGS twin flaps angle downwards to deliver concentrated airflow to cool you instantly at start up.

INDIRECT COOLING



SHOWER COOLING

AEROWINGS angles upwards to spread cool air over a wider area, then showers down gently and evenly across the room after reaching the set temperature.

Shower Airflow

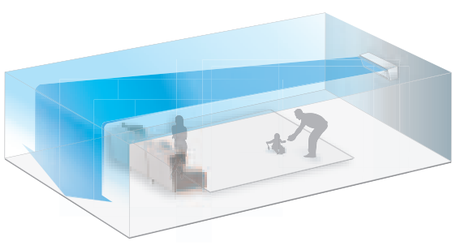
- SHOWER COOLING

Stay cosy and relaxed in your living space while experiencing gentle cooling.

Cool Comfort From Above

Aero Series uses AEROWINGS to send concentrated airflow across the room, cooling you gently from above

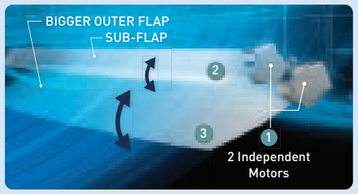
Stay cosy and relaxed in your living space without the constant cold blast to your skin and body. Say goodbye to excessive cooling.



Shower Airflow delivers cool air across the room which then showers down and cools everyone in the room gently.

Concentrated Airflow, Further, Faster

The AEROWINGS is controlled by 2 independent motors and dual independent flaps. Airflow is delivered at a faster pace, spreading further at a concentrated level.



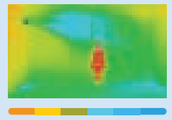
1. **2 Independent Motors** control the Sub-Flap and Bigger Outer Flap separately.
2. **Sub-Flap** compresses and concentrates cool air.
3. **Bigger Outer Flap** helps to deliver airflow further.

SHOWER COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST

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

TEMPERATURE DISTRIBUTION TEST



SHOWER COOLING

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

TOP AIR INTAKE

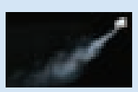
Hot air is drawn in from the top, and cool air is discharged from the bottom to facilitate cool air showering down over the entire area.

FAST COOLING

AEROWINGS twin flaps direct concentrated airflow downwards, delivering powerful cool air to cool you in the shortest time possible.

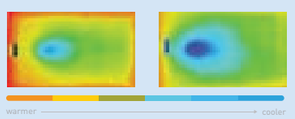
FAST COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



AEROWINGS directs airflow downwards and straight to room occupants for a fast cooling effect.

TEMPERATURE DISTRIBUTION TEST



CONVENTIONAL COOLING

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

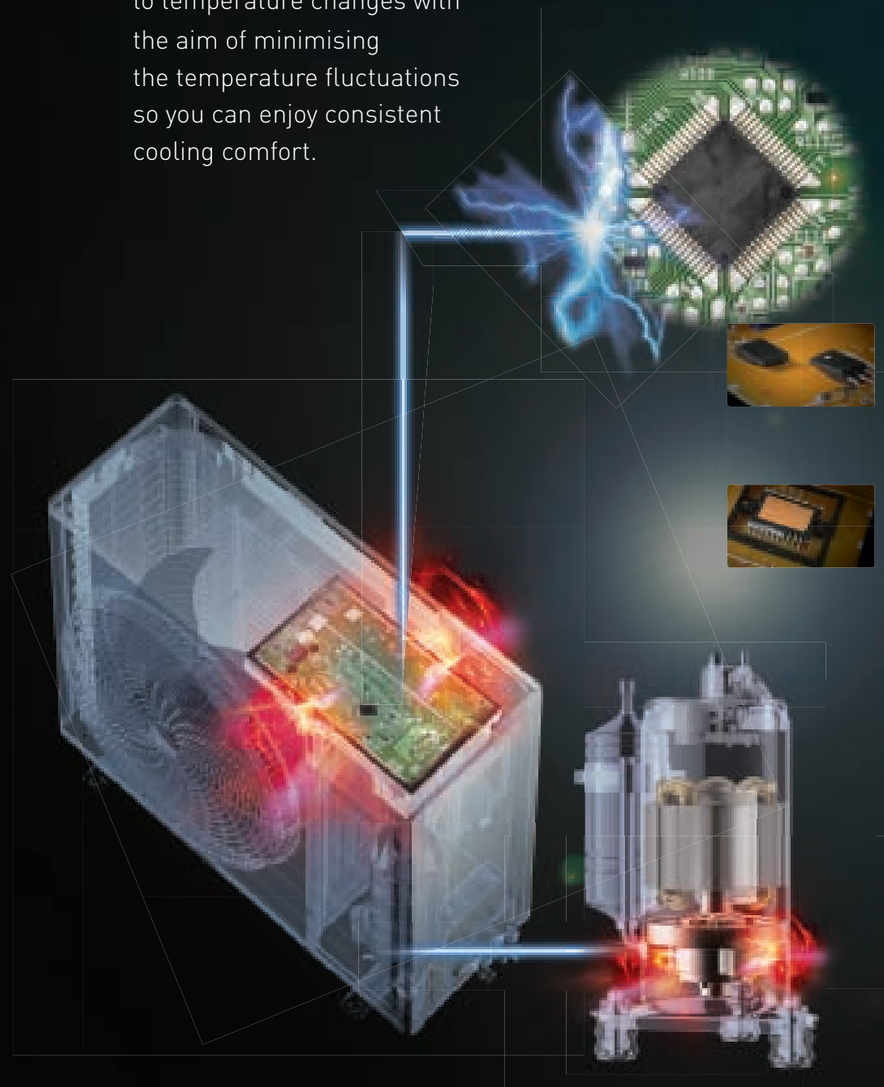
FAST COOLING

Concentrated airflow cools instantly. Room is evenly cooled.

PANASONIC TECHNOLOGY

Energy Saving & Precise Temperature Control

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



THE "BRAIN" OF THE INVERTER

Micro computer determines the most suitable operation mode as time passes and automatically adjusts output power for maximum comfort always.

PAM (Pulse Amplitude Modulation)

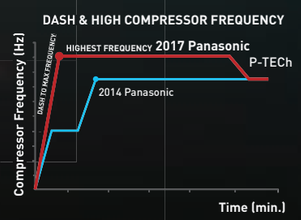
Increases compressor voltage rapidly, to provide powerful cooling to reach the set temperature fast at start up, just like turbo charging a car.

PWM (Pulse Width Modulated Wave)

Stabilises the compressor rotation speed when maintaining the set temperature, like putting a car on cruise control.

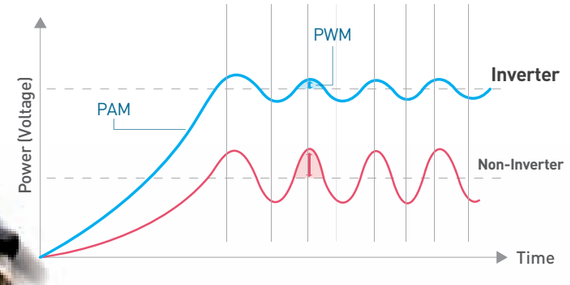
P-TECh – THE POWER BEHIND FAST COOLING

P-TECh enables the compressor to achieve maximum frequency in the shortest time from start up, giving you powerful cooling the moment the air conditioner is switched on.



Quick Cooling & Constant Comfort

PAM increases the power output to accelerate compressor speed at start up to deliver powerful cool air. Once the set temperature is reached, PWM controls the compressor speed to maintain the set temperature for comfortable ambiance without wasting energy.

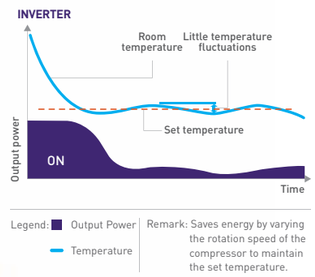


NON INVERTER

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

INVERTER

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



ECONAVI is a high-precision sensor technology that detects where energy is usually wasted and adjusts cooling power according to room conditions and activity levels.

ECONAVI has two sensors – Human Activity Sensor and Sunlight Sensor. Together, they monitor human location, movement, absence, and sunlight intensity to use energy more efficiently.

AREA SEARCH — Where you are.

ABSENCE DETECTION — When you leave the room.

ACTIVITY DETECTION — When you are less active.

SUNLIGHT DETECTION — Whether it's a sunny day or at night.

TEMPERATURE WAVE — Adapts to rhythmic temperature control after detecting low activity level.

Adapts cooling power to changes in sunlight intensity.

Detects human absence in the room, changes in human movements and changes in activity levels and adjust cooling power accordingly to prevent energy wastage.

*Applicable to PREMIUM INVERTER and DELUXE INVERTER

Mandatory Energy Labelling (MELS) was introduced by the NEA Singapore for regulated goods to help consumers compare the energy efficiency and make more informed purchasing.

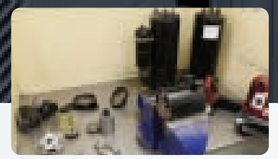
Panasonic's XS Series Multi-Split Air Conditioner is rated 5 ticks for its maximum energy efficiency as it utilises energy savings technology – ECONAVI and Inverter. It allows you to save energy and stay comfortable due to its precise temperature control and prevent wasteful energy consumption by varying the compressor rotation speed.

Reliable Comfort Comes From Reliable Technology

A rugged design ensures that the air conditioners will continue to keep the room comfortable, and provide reliable operation for many years. Panasonic believes this is the true value of an air conditioner. And that is why we subject them to a wide range of stringent durability tests.

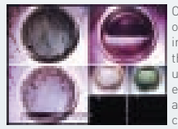
LONG-TERM DURABILITY TEST

The air conditioner's main mission is to provide a level of durability that ensures stable operation for many years. In order to achieve this, we conduct a long-term continuous operation test. The results of this test, which is conducted under conditions that are much more severe than actual operating conditions, prove the rugged strength of Panasonic Air Conditioners.

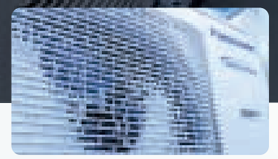


COMPRESSOR RELIABILITY TEST

After the continuous operation test, we remove the compressor from a selected outdoor unit, disassemble it, then examine the internal mechanisms and parts for possible failure and durability. These tests are conducted to see if there is sufficient lubrication inside the compressor under various operating conditions.

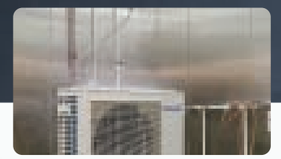


Checking the oil condition inside the compressor under various extremely cold and hot conditions.



OPERATING TEST IN HARSH CONDITIONS

In addition to tests under normal operating conditions, an operating durability test is conducted in a high-temperature, high-humidity test chamber at a temperature up to 55°C. For use in extremely cold climates, the test is also conducted in a low-temperature test chamber down to -20°C. Panasonic Air Conditioners continue to provide their designed performance for many years even after prolonged operation under harsh conditions.



WATERPROOF TEST

The outdoor unit, which is subject to rain and wind, is provided with IPX4 waterproof compliance. Potential problems are checked by tests such as showering the unit for a predetermined amount of time.

Durability

Panasonic's Air Conditioners are subject to the highest international industrial quality standards.

Long Term Endurance & Solid Performance

Panasonic's Air Conditioners are designed to resist tough conditions such as rain, direct sunlight and strong winds.

They undergo a variety of stringent tests for durability, waterproofing and shock resistance to ensure their effectiveness and long term reliability.

Blue Fin Condenser

- Improve durability
- Protect condenser against corrosion from air, water and other corrosive.
- Anti-rust

CORROSION RESISTANT OUTDOOR COATING

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

COPPER TUBE CONDENSER

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

WATER RESISTANT PCB

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

INVERTER SINGLE-SPLIT TYPE

WALL-MOUNTED : XS-SERIES PREMIUM INVERTER

CS-XS9RKZW | CS-XS12RKZW

Wireless

Wired (Optional)

CS-XS18RKZW | CS-XS24RKZW | CS-XS28RKZ

Wireless

Wired (Optional)

SPECIFICATIONS

Cooling ( ): Outdoor Unit

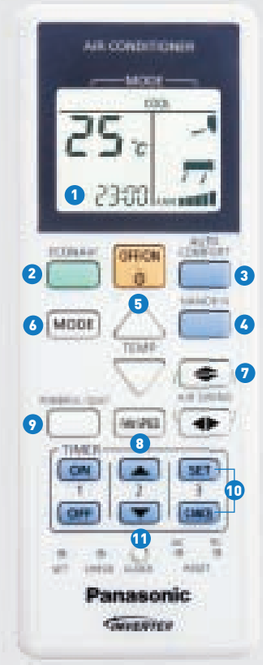
MODEL		(50Hz)	CS-XS9RKZW [CU-XS9RKZ]	CS-XS12RKZW [CU-XS12RKZ]	CS-XS18RKZW [CU-XS18RKZ]	CS-XS24RKZW [CU-XS24RKZ]	CS-XS28RKZ [CU-XS28RKZ]
Cooling Capacity	(min-max)	kW	2.50 (0.85-3.20)	3.23 (0.92-4.00)	5.20 (1.10-6.00)	6.00 (1.12-7.10)	6.90 (1.15-8.50)
	(min-max)	Btu/h	8,530 (2,900-10,900)	11,000 (3,140-13,600)	17,700 (3,750-20,500)	20,500 (3,820-24,200)	23,500 (3,920-29,000)
COP	(min-max)	W/W	4.55 (4.25-3.81)	4.31 (4.38-4.00)	3.80 (3.93-3.70)	3.80 (3.50-3.59)	3.40 (3.29-3.15)
EER	(min-max)	Btu/hW	15.51 (14.50-12.98)	14.67 (14.95-13.60)	12.92 (13.39-12.65)	12.97 (11.94-12.22)	11.58 (11.20-10.74)
Weighted COP		W/W	5.38	5.28	4.53	4.38	4.18
Electrical Data	Voltage	V	220-240				
	Current	A	2.7-2.5	3.7-3.4	6.3-5.9	7.4-7.0	9.6 - 9.0
	Power Input (min-max)	W	550 (200-840)	750 (210-1,000)	1,370 (280-1,620)	1,580 (320-1,980)	2,030 (350-2,700)
Moisture Removal		L/h	1.5	1.8	2.9	3.3	3.9
		Pt/h	3.2	3.8	6.1	7.0	8.2
Air Circulation	Indoor	m^3/min (ft^3/min)	11.3 (400)	12.6 (445)	17.6 (620)	18.4 (650)	18.4 (650)
	Outdoor	m^3/min (ft^3/min)	30.1 (1,065)	34.6 (1,220)	39.1 (1,380)	48.6 (1,715)	50.2 (1,770)
Noise Level	Indoor (H / L / Q-Lo)	dB-A	39/26/23 - 39/26/23	40/28/25 - 40/28/25	45/36/33 - 45/36/33	47/37/34 - 47/37/34	47/37/34 - 47/37/34
	Outdoor (H)	dB-A	(47) - (48)	(49) - (50)	(49) - (50)	(52) - (53)	(52) - (53)
Dimensions	Height	mm	296 (542)	296 (619)	296 (695)	296 (795)	296 (795)
		inch	11-21/32 (21-11/32)	11-21/32 (24-3/8)	11-21/32 (27-3/8)	11-21/32 (31-5/16)	11-21/32 (31-5/16)
	Width	mm	870 (780)	870 (824)	1,070 (875)	1,070 (875)	1,070 (875)
		inch	34-9/32 (30-23/32)	34-9/32 (32-15/32)	42-5/32 (34-15/32)	42-5/32 (34-15/32)	42-5/32 (34-15/32)
	Depth	mm	236 (289)	236 (299)	241 (320)	241 (320)	241 (320)
		inch	9-5/16 (11-13/32)	9-5/16 (11-25/32)	9-1/2 (12-5/8)	9-1/2 (12-5/8)	9-1/2 (12-5/8)
Net Weight	Indoor	kg (lb)	9 (20)	9 (20)	12 (26)	12 (26)	12 (26)
	Outdoor	kg (lb)	31 (68)	32 (71)	44 (97)	56 (123)	57 (126)
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35				
		inch	1/4				
	Gas Side	mm	ø 9.52	ø 12.70		ø 15.88	
		inch	3/8	1/2		5/8	
Pipe Extension	Chargeless Pipe Length	m	7.5		10		
	Maximum Pipe Length	m	15		20	30	
	Maximum Elevation Length	m	5		15	20	
	Additional Refrigerant Gas*	g/m	15			30	
Power Supply			Outdoor				

Caution For CS-XS9/XS12/XS18/XS24RKZW/XS28RKZ (Important) Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

EASY-TO-USE REMOTE CONTROLLER

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

1. LCD display for an easy overview of the operation status.
2. ECONAVI monitors sunlight intensity, human movement, activity levels and human absence to detect and reduce energy waste.
3. Auto comfort mode detects high activity levels and switches to comfort operation for maximum comfort.
4. Activates the nanoe-G function even when the air conditioner is switched off.
5. Press up or down to set the temperature.
6. Toggles between COOL and DRY setting mode.
7. Set the airflow.
8. Adjusts the fan speed.
9. Stronger airflow to cool the room more quickly/ Quiet function allows you to sleep comfortably at night.
10. Set the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer.
11. Set the actual time (hour and minute).



Wireless
Applicable to PREMIUM Inverter

DUAL TIMER

24 DUAL

DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

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

Select ON or OFF Timer

1 ON → ⏲1 → ⏲2 → Cancel

OFF → ⏲1 → ⏲2 → Cancel

Set the time.

TIMER → 3 SET

nanoe TECHNOLOGY

AEROWINGS

INVERTER

ECONAVI

COOLING MODELS

(Random) | CS-XS9RKZW CS-XS12RKZW | CS-XS18RKZW | CS-XS24RKZW CS-XS28RKZ | (Optional)

OUTDOOR

Blue Fin Condenser

R410A

CU-XS9RKZ

CU-XS12RKZ

CU-XS18RKZ

CU-XS24RKZ
CU-XS28RKZ

INVERTER SINGLE-SPLIT TYPE

WALL-MOUNTED : AERO SERIES DELUXE INVERTER

CS-S9TKZW | CS-S12TKZW

Wireless

Wired (Optional)

CS-S18TKZW | CS-S24TKZW | CS-S28TKZ

Wireless

Wired (Optional)

SPECIFICATIONS

Cooling ( ): Outdoor Unit

MODEL		(50Hz)	CS-S9TKZW [CU-S9TKZ]	CS-S12TKZW [CU-S12TKZ]	CS-S18TKZW [CU-S18TKZ]	CS-S24TKZW [CU-S24TKZ]	CS-S28TKZ [CU-S28TKZ]
Cooling Capacity	(min-max)	kW	2.50 (0.84-3.20)	3.23 (0.92-4.00)	5.20 (1.10-6.00)	6.00 (1.12-7.10)	6.90 (1.15-8.50)
	(min-max)	Btu/h	8,530 (2,860-10,900)	11,000 (3,140-13,600)	17,700 (3,750-20,500)	20,500 (3,820-24,200)	23,500 (3,920-29,000)
COP	(min-max)	W/W	3.91 (3.73-3.68)	3.65 (3.54-3.51)	3.69 (3.79-3.59)	3.57 (3.50-3.51)	3.40 (3.29-3.15)
EER	(min-max)	Btu/hW	13.33 (12.71-12.53)	12.43 (12.08-11.93)	12.55 (12.93-12.28)	12.20 (11.94-11.98)	11.58 (11.20-10.74)
Weighted COP		W/W	4.02	4.11	4.12	4.00	3.88
Electrical Data	Voltage	V	220-240				
	Current	A	3.3-3.1	4.2-3.9	6.7-6.2	7.8-7.4	9.6-9.0
	Power Input (min-max)	W	640 (225-870)	885 (260-1,140)	1,410 (290-1,670)	1,680 (320-2,020)	2,030 (350-2,700)
Moisture Removal		L/h	1.5	1.8	2.9	3.3	3.9
		Pt/h	3.2	3.8	6.1	7.0	8.2
Air Circulation	Indoor	m^3/min (ft^3/min)	9.9 (350)	10.7 (380)	19.3 (680)	20.3 (715)	21.2 (750)
	Outdoor	m^3/min (ft^3/min)	21.6 (760)-24.9 (880)	31.0 (1,095)-31.6 (1,115)	35.0 (1,235)-36.2 (1,280)	47.0 (1,660)-47.0 (1,660)	48.6 (1,715)-51.9 (1,830)
Noise Level	Indoor (H / L / Q-Lo)	dB-A	36/26/23	38/28/25	45/36/33	46/37/34	47/37/34
	Outdoor (H)	dB-A	(46)-(47)	(47)-(48)	(49)-(50)	(49)-(50)	(52)-(53)
Dimensions	Height	mm	295 (511)	295 (542)	302 (619)	302 (695)	302 (795)
		inch	11-5/8 (20-1/8)	11-5/8 (21-11/32)	11-29/32 (24-3/8)	11-29/32 (27-3/8)	11-29/32 (31-5/16)
	Width	mm	919 (650)	919 (780)	1,120 (824)	1,120 (875)	1,120 (875)
		inch	36-3/16 (25-19/32)	36-3/16 (30-23/32)	44-1/8 (32-15/32)	44-1/8 (34-15/32)	44-1/8 (34-15/32)
	Depth	mm	199 (230)	199 (289)	241 (299)	241 (320)	241 (320)
		inch	7-27/32 (9-1/16)	7-27/32 (11-13/32)	9-1/2 (11-25/32)	9-1/2 (12-5/8)	9-1/2 (12-5/8)
Net Weight	Indoor	kg (lb)	9 (20)	9 (20)	12 (26)	12 (26)	12 (26)
	Outdoor	kg (lb)	21 (46)	29 (64)	36 (79)	40 (88)	62 (137)
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35				
		inch	1/4				
	Gas Side	mm	ø 9.52	ø 12.70		ø 15.88	
		inch	3/8	1/2		5/8	
Pipe Extension	Chargeless Pipe Length	m	7.5		10		
	Maximum Pipe Length	m	15		30	20	30
	Maximum Elevation Length	m	5		20	15	20
	Additional Refrigerant Gas*	g/m	15			20	30
Power Supply			Outdoor				

Caution For CS-S9/S12/S18/S24TKZW/S28TKZ (Important) Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

EASY-TO-USE REMOTE CONTROLLER

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

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

Wireless
Applicable to DELUXE Inverter

DUAL TIMER

24 DUAL

DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

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

Select ON or OFF Timer

1 ON → 1 → 2 → Cancel

OFF → 1 → 2 → Cancel

Set the time.

TIMER → 3 SET

nanoe TECHNOLOGY

AEROWINGS

INVERTER

ECONAVI

COOLING MODELS

ECONAVI | SLEEP | nanoe-G | mode | 24 HOUR

(Random)

15m CS-S9TKZW CS-S12TKZW

20m CS-S24TKZW

30m CS-S18TKZW CS-S28TKZ

(Optional)

OUTDOOR

Blue Fin Condenser

R410A

CU-S9TKZ

CU-S12TKZ

CU-S18TKZ

CU-S24TKZ

CU-S28TKZ

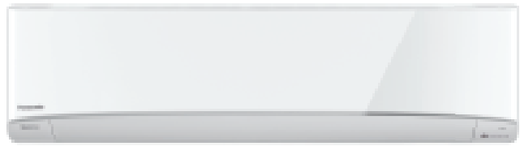
INVERTER SINGLE-SPLIT TYPE

WALL-MOUNTED : STANDARD INVERTER

CS-PS9UKZ | CS-PS12UKZ

Wireless

Wired (Optional)



CS-PS18UKZ | CS-PS24UKZ

Wireless

Wired (Optional)

BIG FLAP

INVERTER

COOLING MODELS

SPECIFICATIONS

Cooling ( ): Outdoor Unit

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

Caution For CS-PS9/PS12/PS18/PS24UKZ (Important)Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

OUTDOOR

Blue Fin Condenser

R410A

CU-PS9UKZ

CU-PS12UKZ

CU-PS18UKZ

CU-PS24UKZ

CLEANER AIR

ANTI-BACTERIAL

Anti-bacterial Filter

The Anti-Bacterial Filter combines three effects in one: anti-bacteria, anti-virus and anti-allergen protection to provide clean air.

HOW ANTI-BACTERIAL FILTER WORKS

EFFECTIVENESS	TARGET SUBSTANCE AND SUBSTANCE NAME	MECHANISM
DEACTIVATES UP TO 99% of filter-captured Bacteria *1	Anti-bacterial *1 Bacteria deactivation was certified by Boken Quality Evaluation Institute. Test Report No: 10042459-1 and 10042459-2 Bacteria: *Staphylococcus aureus* NBRC 12732 : *Escherichia coli* NBRC 3972	Artificial Enzyme Cell-wall Cell Bacteria Bacteria is caught by the filter. Artificial Enzyme will attach to surface of bacteria. Cell-wall is covered by Artificial Enzyme Bacteria becomes inactive by preventing its growth. Remark: The above are not actual images of target substance structure. Image drawn is for illustration purpose.
DEACTIVATES UP TO 99% of filter-captured Viruses *2	Anti-virus *2 Virus deactivation was certified by Osaka Prefectural Institute of Public Health. Test Report No: 313360397 Virus: Influenza (H3N2) A/Hong Kong	Disinfectant Virus The virus is caught by the filter. Disinfectant will attach to surface protein of virus. Spikes are covered by Disinfectant Virus becomes inactive through 'tanning effect' making them harmless. Remark: The above are not actual images of target substance structure. Image drawn is for illustration purpose.
DEACTIVATES UP TO 99% of filter-captured Allergen *3	Anti-allergen *3 Allergen deactivation was certified by Shinshu University. Allergen: Cider Pollen Allergen Cry j1	Artificial Enzyme Allergen The allergen is caught by the filter. Artificial Enzyme will 'denature' the filter-captured allergen. Allergen loses original properties or characteristic 'Denatured' allergen will no longer keep its original property as allergen; therefore, it is harmless. When allergen is denatured, the strand of amino acid is "teased" apart hence changing the shape. In this way, allergen will lose its original properties or characteristic as allergen, thus making them harmless. Remark: The above are not actual images of target substance structure. Image drawn is for illustration purpose.
INHIBITS Mould *4 Growth	Anti-mould *4 Certified by Boken Quality Evaluation Institute. Test Report No: 000366-3 Mould: *Aspergillus niger* ATCC 6275	The mould will be caught by the filter. Fungicide will attach to surface protein of mould. 'Fungicide inhibits mould from growing by preventing the cell-wall composition.'

Applicable Models: PS9/ PS12/ PS18/ PS24UKZ

BIG FLAP

BIG FLAP with bigger bottom flap measuring 79mm in depth directs cool air further and longer. So, you can enjoy cool air even in larger living spaces.

Applicable Models: PS9/ PS12/ PS18/ PS24UKZ

INVERTER MULTI-SPLIT TYPE

ADVANTAGES OF THE MULTI INVERTER SYSTEM

Indoor Unit

A variety of indoor units

Air-quality features
(Wall-Mounted type only)
• nanoe-G

Adjusts the operation settings for each indoor unit independently

Outdoor Unit

Space-saving

Single Split Type CU-S9TKZ

BIG SPACE SAVINGS!

CU-4XS34UBZ

With a single outdoor unit, control up to 4 indoor units. (Maximum)

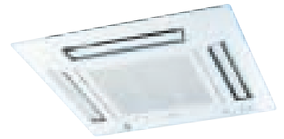
Inverter control

The inverter offers energy-saving efficiency, quick comfort, and flexible power control. Our compressor saves more energy while reducing vibration, noise and unit size.

MINI CASSETTE

CS-S12MB4ZW | CS-S18MB4ZW
CS-S24MB4ZW

Panel CZ-BT20E



Panel CZ-BT20EW
*Available from Feb 2018

Wireless

COOLING MODELS

INVERTER

WALL MOUNTED
XS-SERIES PREMIUM INVERTER TYPE

CS-MXS9UKZ | CS-MXS12UKZ | CS-MXS15UKZ
CS-MXS18UKZ | CS-MXS24UKZ

Wireless

Wired (Optional)

nanoe TECHNOLOGY

AEROWINGS

INVERTER

ECONAVI

COOLING MODELS

SLIM DUCTED

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

Wireless

COOLING MODELS

INVERTER

INVERTER MULTI-SPLIT TYPE

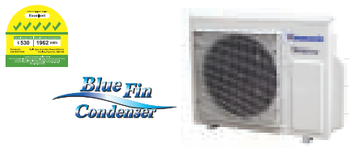
OUTDOOR

DUAL-SPLIT MODEL

MODELS	CU-2XS20UKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
2 Rooms		Port A 2.8 or Either unit 3.2 Port B 2.8 or Either unit 3.2

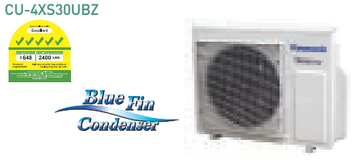
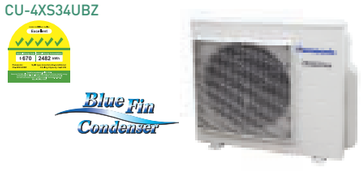
- It is possible to have a combination of wall-mounted models (CS-MXS9, MXS12UKZ) for the (CU-2XS20UKZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

TRIPLE-SPLIT MODEL

MODELS	CU-3XS27UKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
3 Rooms		Port A 2.8 or 3.2 or 4.0 or 5.0 Port B 2.8 or 3.2 or 4.0 or 5.0 Port C 2.8 or 3.2 or 4.0 or 5.0

- It is possible to have a combination of wall-mounted models (CS-MXS9, MXS12, MXS15, MXS18UKZ,) for the (CU-3XS27UKZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

QUADRUPLE-SPLIT MODEL

	MODELS	Indoor Units: Possible Combination Patterns (Must be within capacity range)
4 Rooms	CU-4XS30UBZ  CU-4XS34UBZ 	Port A 2.8 or 3.2 or 4.0 or 5.0 or 6.0 Port B 2.8 or 3.2 or 4.0 or 5.0 or 6.0 Port C 2.8 or 3.2 or 4.0 or 5.0 or 6.0 Port D 2.8 or 3.2 or 4.0 or 5.0 or 6.0

- It is possible to have a combination of wall-mounted models (CS-MXS9, MXS12, MXS15, MXS18, MXS24UKZ), mini cassette models (CS-S12, S18, S24MB4ZW) and slim ducted models (CS-MS9, MS12, MS18, MS24SD3H) for the (CU-4XS30UBZ, 4XS34UBZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

INDOOR

PREMIUM INVERTER SPECIFICATIONS

MODEL		(50Hz)	CS-MXS9UKZ	CS-MXS12UKZ	CS-MXS15UKZ	CS-MXS18UKZ	CS-MXS24UKZ
Operation			1 unit				
Cooling Capacity		Btu/h	9,550	10,900	13,600	17,100	20,500
		kW	2.80	3.20	4.00	5.00	6.00
Electrical Data	Voltage	V	220 - 240				
Sound Pressure Level	Indoor (H/L)	dB-A	42 / 29	44 / 32	45 / 32	47 / 38	48 / 39
Moisture Removal		L/h	1.6	1.8	2.3	2.7	3.3
Air Circulation		m^3/min	12.1	12.6	13.2	17.6	17.9
		ft^3/min	425	445	465	620	630
Fan Output		W	40				
Dimensions	Height	mm	296			296	
	Width	mm	870			1,070	
	Depth	mm	236			241	
Net Weight	Indoor	kg	9			12	
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35				
	Gas Side	mm	ø 9.52				ø 12.70
Power Supply			Outdoor				

MINI CASSETTE SPECIFICATIONS

MODEL		(50Hz)	CS-S12MB4ZW	CS-S18MB4ZW	CS-S24MB4ZW
Operation			1 unit		
Cooling Capacity		Btu/h	10,900	17,100	20,500
		kW	3.20	5.00	6.00
Electrical Data	Voltage	V	220 - 240		
Sound Pressure Level	Indoor (H/L)	dB-A	34 / 26	36 / 28	41 / 33
Moisture Removal		L/h	1.8	2.7	3.3
Air Circulation		m^3/min	10.5	11.0	12.8
		ft^3/min	370	390	450
Fan Output		W	40		
Dimensions	Height	mm	260		
	Width	mm	575		
	Depth	mm	575		
Net Weight	Indoor	kg	18		
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35		
	Gas Side	mm	ø 9.52		ø 12.70
Power Supply			Outdoor		

SLIM DUCTED SPECIFICATIONS

MODEL		(50Hz)	CS-MS9SD3H	CS-MS12SD3H	CS-MS18SD3H	CS-MS24SD3H
Operation			1 unit			
Cooling Capacity		Btu/h	9,550	10,900	17,100	20,500
		kW	2.80	3.20	5.00	6.00
Electrical Data	Voltage	V	220 - 240			
Sound Pressure Level	Indoor (H/L)	dB-A	35 / 28	35 / 28	41 / 30	41 / 30
Moisture Removal		L/h	1.6	1.8	2.7	3.3
Air Circulation		m^3/min	13.2	13.2	15.5	15.5
		ft^3/min	465	465	545	545
Fan Output		W	51			
Dimensions	Height	mm	200			
	Width	mm	750			
	Depth	mm	640			
Net Weight	Indoor	kg	19			
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35			
	Gas Side	mm	ø 9.52			ø 12.70
Power Supply			Outdoor			

INVERTER MULTI-SPLIT TYPE

OUTDOOR

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

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

MODEL		(50Hz)	QUADRUPLE-SPLIT MODEL CU-4XS30UBZ	CU-4XS34UBZ
Cooling Capacity	(min-max)	kW	6.20 (2.80 ~ 9.00)	6.50 (2.90 ~ 10.60)
	(min-max)	Btu/h	21,100 (9,550 ~ 30,700)	22,200 (9,890 ~ 36,100)
COP	(min-max)	W/W	4.88 (5.38-3.02)	4.89 (5.18-3.83)
EER	(min-max)	Btu/hW	16.61 (18.37-10.30)	16.69 (17.66-13.03)
Weighted COP		W/W	5.51	5.56
Electrical Data	Voltage	V	220-240	
	Current	A	6.5 - 5.9	
	Power Input (min-max)	W	1,270 (520 ~ 2,980)	1,330 (560 ~ 2,770)
Sound Pressure Level	Outdoor (Hi/Lo)	dB-A	56	
Maximum Current		A	15.6	
Starting Current		A	6.5	
Compressor Output		W	1,300	
Fan Output		W	60	
Dimensions	Height	mm	695	795
	Width	mm	875 (+95)	875 (+95)
	Depth	mm	320	320
Net Weight	Outdoor	kg	58	69
Pipe Extension	Chargeless Pipe Length	m	35	30
	Maximum Pipe Length	1 Room	25	
		Total	60	70
	Maximum Elevation Length	m	15	
	Additional Refrigerant Gas*	g/m	20	

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

INVERTER DUAL-SPLIT MODEL (CU-2XS20UKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW) A	B	Total	min ~ max	Input Power (W) Rated	min ~ max	Current (A) (50Hz) 220V	240V	Moisture Removal L/h
1 Room	2.8	2.8	2.80	—	2.80	1.10 ~ 3.50	750	220 ~ 1000	3.7	3.4	1.6
	3.2	3.2	3.20	—	3.20	1.10 ~ 4.00	920	220 ~ 1220	4.5	4.2	1.8
2 Room	2.8 + 2.8	5.6	2.10	2.10	4.20	1.50 ~ 6.30	860	250 ~ 1700	4.2	3.9	1.4 + 1.4
	2.8 + 3.2	6.0	2.05	2.35	4.40	1.50 ~ 6.30	900	250 ~ 1690	4.4	4.0	1.3 + 1.5
	3.2 + 3.2	6.4	2.20	2.20	4.40	1.50 ~ 6.30	890	250 ~ 1680	4.3	3.9	1.4 + 1.4

INVERTER TRIPLE-SPLIT MODEL (CU-3XS27UKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW) A	B	C	Total	min ~ max	Input Power (W) Rated	min ~ max	Current (A) (50Hz) 220V	240V	Moisture Removal L/h
1 Room	2.8	2.8	2.80			2.80	1.70 ~ 3.40	700	380 ~ 890	3.8	3.5	1.6
	3.2	3.2	3.20			3.20	1.70 ~ 4.00	800	380 ~ 1,200	4.3	3.9	1.8
	4.0	4.0	4.00			4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	6.1	5.6	2.3
	5.0	5.0	5.00			5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	7.4	6.8	2.7
2 Room	2.8 + 2.8	5.6	2.55	2.55		5.10	2.00 ~ 7.50	1,190	420 ~ 2,450	5.9	5.4	1.6 + 1.6
	2.8 + 3.2	6.0	2.38	2.72		5.10	2.00 ~ 7.50	1,190	420 ~ 2,440	5.9	5.4	1.5 + 1.6
	2.8 + 4.0	6.8	2.10	3.00		5.10	2.60 ~ 8.60	1,070	400 ~ 3,130	5.4	4.9	1.4 + 1.7
	2.8 + 5.0	7.8	1.83	3.27		5.10	2.80 ~ 8.90	950	390 ~ 3,110	4.8	4.4	1.2 + 1.9
	3.2 + 3.2	6.4	2.55	2.55		5.10	2.30 ~ 8.30	1,150	420 ~ 3,140	5.7	5.2	1.6 + 1.6
	3.2 + 4.0	7.2	2.27	2.83		5.10	2.60 ~ 8.60	1,070	400 ~ 3,130	5.4	4.9	1.5 + 1.7
	3.2 + 5.0	8.2	1.99	3.11		5.10	2.80 ~ 8.90	950	390 ~ 3,110	4.8	4.4	1.3 + 1.8
	4.0 + 4.0	8.0	2.55	2.55		5.10	2.80 ~ 8.80	990	390 ~ 3,120	5.0	4.6	1.6 + 1.6
	4.0 + 5.0	9.0	2.27	2.83		5.10	2.90 ~ 9.10	910	380 ~ 3,110	4.6	4.2	1.5 + 1.7
	5.0 + 5.0	10.0	2.55	2.55		5.10	3.00 ~ 9.30	880	380 ~ 3,110	4.5	4.1	1.6 + 1.6
3 Room	2.8 + 2.8 + 2.8	8.4	1.70	1.70	1.70	5.10	2.40 ~ 8.90	1,040	440 ~ 2,980	5.2	4.8	1.1 + 1.1 + 1.1
	2.8 + 2.8 + 3.2	8.8	1.62	1.62	1.86	5.10	2.40 ~ 8.90	1,030	450 ~ 2,930	5.2	4.7	1.0 + 1.0 + 1.2
	2.8 + 2.8 + 4.0	9.6	1.49	1.49	2.12	5.10	2.60 ~ 9.20	1,010	460 ~ 2,950	5.1	4.7	0.9 + 0.9 + 1.4
	2.8 + 2.8 + 5.0	10.6	1.35	1.35	2.40	5.10	2.80 ~ 9.50	930	460 ~ 2,910	4.7	4.3	0.9 + 0.9+ 1.5
	2.8 + 3.2 + 3.2	9.2	1.56	1.77	1.77	5.10	2.40 ~ 8.90	1,030	450 ~ 2,930	5.2	4.7	1.0 + 1.1 + 1.1
	2.8 + 3.2 + 4.0	10.0	1.43	1.63	2.04	5.10	2.70 ~ 9.30	980	460 ~ 2,950	4.9	4.5	0.9 + 1.0 + 1.3
	2.8 + 3.2 + 5.0	11.0	1.30	1.48	2.32	5.10	2.80 ~ 9.40	930	460 ~ 2,800	4.7	4.3	0.8 + 0.9 + 1.5
	2.8 + 4.0 + 4.0	10.8	1.32	1.89	1.89	5.10	2.80 ~ 9.40	960	460 ~ 2,890	4.9	4.5	0.8 + 1.2 + 1.2
	2.8 + 4.0 + 5.0	11.8	1.21	1.73	2.16	5.10	2.90 ~ 9.60	890	440 ~ 2,830	4.5	4.1	0.8 + 1.1 + 1.4
	2.8 + 5.0 + 5.0	12.8	1.12	1.99	1.99	5.10	2.80 ~ 9.70	850	390 ~ 2,720	4.4	4.0	0.7 + 1.3 + 1.3
	3.2 + 3.2 + 3.2	9.6	1.70	1.70	1.70	5.10	2.50 ~ 8.90	1,030	450 ~ 2,940	5.2	4.7	1.1 + 1.1 + 1.1
	3.2 + 3.2 + 4.0	10.4	1.57	1.57	1.96	5.10	2.70 ~ 9.30	980	460 ~ 2,960	4.9	4.5	1.0 + 1.0 + 1.3
	3.2 + 3.2 + 5.0	11.4	1.43	1.43	2.24	5.10	2.80 ~ 9.40	930	460 ~ 2,800	4.7	4.3	0.9 + 0.9 + 1.5
	3.2 + 4.0 + 4.0	11.2	1.46	1.82	1.82	5.10	2.80 ~ 9.50	930	460 ~ 2,900	4.7	4.3	0.9 + 1.2 + 1.2
	3.2 + 4.0 + 5.0	12.2	1.34	1.67	2.09	5.10	2.90 ~ 9.70	890	440 ~ 2,830	4.5	4.1	0.8 + 1.1 + 1.4
	3.2 + 5.0 + 5.0	13.2	1.24	1.93	1.93	5.10	2.80 ~ 9.70	840	390 ~ 2,720	4.3	4.0	0.8 + 1.2 + 1.2
	4.0 + 4.0 + 4.0	12.0	1.70	1.70	1.70	5.10	2.90 ~ 9.60	900	450 ~ 2,820	4.6	4.2	1.1 + 1.1 + 1.1
	4.0 + 4.0 + 5.0	13.0	1.57	1.57	1.96	5.10	2.90 ~ 9.60	860	400 ~ 2,720	4.4	4.0	1.0 + 1.0 + 1.3

• Specification based on JIS C 9612 standard.
• A minimum of 2 indoor units must be connected.
• Switchable between 8.5amp or 11amp.

INVERTER MULTI-SPLIT TYPE

INVERTER MULTI-COMBINATION (CU-4XS30UBZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)						Input Power (W)		Current (A) [50Hz]		Moisture Removal L/h
			A	B	C	D	Total	min ~ max	Rated	min ~ max	220V	240V	
1 Room	2.8	2.8	2.80				2.80	1.70 ~ 3.40	700	380 ~ 890	3.8	3.5	1.6
	3.2	3.2	3.20				3.20	1.70 ~ 4.00	800	380 ~ 1,200	4.3	3.9	1.8
	4.0	4.0	4.00				4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	6.1	5.6	2.3
	5.0	5.0	5.00				5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	7.4	6.8	2.7
	6.0	6.0	6.00				6.00	1.70 ~ 6.20	1,920	400 ~ 2,070	9.3	8.6	3.3
2 Room	2.8 + 2.8	5.6	2.80	2.80			5.60	1.70 ~ 6.50	1,580	420 ~ 2,260	8.0	7.3	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20			6.00	1.70 ~ 6.50	1,820	420 ~ 2,250	9.1	8.3	1.6 + 1.8
	2.8 + 4.0	6.8	2.55	3.65			6.20	2.50 ~ 7.40	1,760	570 ~ 2,890	8.8	8.1	1.6 + 2.1
	2.8 + 5.0	7.8	2.23	3.97			6.20	2.70 ~ 7.70	1,590	550 ~ 2,870	8.0	7.4	1.5 + 2.3
	2.8 + 6.0	8.8	1.97	4.23			6.20	2.70 ~ 7.70	1,590	550 ~ 2,870	8.0	7.4	1.3 + 2.4
	3.2 + 3.2	6.4	3.10	3.10			6.20	2.30 ~ 7.20	1,940	590 ~ 2,900	9.7	8.9	1.7 + 1.7
	3.2 + 4.0	7.2	2.76	3.44			6.20	2.50 ~ 7.40	1,720	570 ~ 2,890	8.6	7.9	1.6 + 2.0
	3.2 + 5.0	8.2	2.42	3.78			6.20	2.80 ~ 7.70	1,550	550 ~ 2,870	7.8	7.2	1.5 + 2.2
	3.2 + 6.0	9.2	2.16	4.04			6.20	2.80 ~ 7.70	1,550	550 ~ 2,870	7.8	7.2	1.4 + 2.3
	4.0 + 4.0	8.0	3.10	3.10			6.20	2.70 ~ 7.70	1,590	560 ~ 2,870	8.0	7.4	1.7 + 1.7
	4.0 + 5.0	9.0	2.76	3.44			6.20	2.80 ~ 7.90	1,510	550 ~ 2,870	7.6	7.0	1.6 + 2.0
	4.0 + 6.0	10.0	2.48	3.72			6.20	2.80 ~ 7.90	1,510	550 ~ 2,870	7.6	7.0	1.5 + 2.2
	5.0 + 5.0	10.0	3.10	3.10			6.20	2.90 ~ 8.10	1,430	540 ~ 2,870	7.2	6.6	1.7 + 1.7
	5.0 + 6.0	11.0	2.82	3.38			6.20	2.90 ~ 8.10	1,430	540 ~ 2,870	7.2	6.6	1.7 + 1.9
	6.0 + 6.0	12.0	3.10	3.10			6.20	2.90 ~ 8.10	1,430	540 ~ 2,870	7.2	6.6	1.7 + 1.7
3 Room	2.8 + 2.8 + 2.8	8.4	2.06	2.06	2.06		6.18	2.40 ~ 7.70	1,640	600 ~ 2,750	8.2	7.5	1.3 + 1.3 + 1.3
	2.8 + 2.8 + 3.2	8.8	1.97	1.97	2.26		6.20	2.40 ~ 7.80	1,610	600 ~ 2,750	8.1	7.5	1.3 + 1.3 + 1.5
	2.8 + 2.8 + 4.0	9.6	1.81	1.81	2.58		6.20	2.60 ~ 8.10	1,540	620 ~ 2,830	7.8	7.1	1.2 + 1.2 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.64	1.64	2.92		6.20	2.80 ~ 8.40	1,420	620 ~ 2,790	7.2	6.6	1.0 + 1.0 + 1.7
	2.8 + 2.8 + 6.0	11.6	1.50	1.50	3.20		6.20	2.80 ~ 8.40	1,420	620 ~ 2,790	7.2	6.6	1.0 + 1.0 + 1.8
	2.8 + 3.2 + 3.2	9.2	1.88	2.16	2.16		6.20	2.40 ~ 7.80	1,610	610 ~ 2,760	8.1	7.5	1.2 + 1.4 + 1.4
	2.8 + 3.2 + 4.0	10.0	1.74	1.98	2.48		6.20	2.60 ~ 8.10	1,500	620 ~ 2,830	7.6	6.9	1.1 + 1.3 + 1.5
	2.8 + 3.2 + 5.0	11.0	1.58	1.80	2.82		6.20	2.80 ~ 8.40	1,420	620 ~ 2,800	7.2	6.6	1.0 + 1.2 + 1.7
	2.8 + 3.2 + 6.0	12.0	1.45	1.65	3.10		6.20	2.80 ~ 8.40	1,420	620 ~ 2,800	7.2	6.6	0.9 + 1.1 + 1.7
	2.8 + 4.0 + 4.0	10.8	1.60	2.30	2.30		6.20	2.70 ~ 8.50	1,450	630 ~ 2,890	7.3	6.7	1.0 + 1.5 + 1.5
	2.8 + 4.0 + 5.0	11.8	1.47	2.10	2.63		6.20	2.80 ~ 8.40	1,350	600 ~ 2,660	6.9	6.3	0.9 + 1.4 + 1.6
	2.8 + 4.0 + 6.0	12.8	1.35	1.94	2.91		6.20	2.80 ~ 8.40	1,350	600 ~ 2,660	6.9	6.3	0.9 + 1.3 + 1.7
	2.8 + 5.0 + 5.0	12.8	1.36	2.42	2.42		6.20	2.80 ~ 8.50	1,290	540 ~ 2,570	6.6	6.0	0.9 + 1.5 + 1.5
	3.2 + 3.2 + 3.2	9.6	2.06	2.06	2.06		6.18	2.40 ~ 7.80	1,620	610 ~ 2,760	8.2	7.5	1.3 + 1.3 + 1.3
	3.2 + 3.2 + 4.0	10.4	1.91	1.91	2.38		6.20	2.60 ~ 8.20	1,500	630 ~ 2,840	7.6	6.9	1.2 + 1.2 + 1.5
	3.2 + 3.2 + 5.0	11.4	1.74	1.74	2.72		6.20	2.80 ~ 8.40	1,420	620 ~ 2,800	7.2	6.6	1.1 + 1.1 + 1.6
	3.2 + 3.2 + 6.0	12.4	1.60	1.60	3.00		6.20	2.80 ~ 8.40	1,420	620 ~ 2,800	7.2	6.6	1.0 + 1.0 + 1.7
	3.2 + 4.0 + 4.0	11.2	1.78	2.21	2.21		6.20	2.80 ~ 8.40	1,420	630 ~ 2,840	7.2	6.6	1.1 + 1.4 + 1.4
	3.2 + 4.0 + 5.0	12.2	1.63	2.03	2.54		6.20	2.80 ~ 8.40	1,350	600 ~ 2,670	6.9	6.3	1.0 + 1.3 + 1.6
	3.2 + 4.0 + 6.0	13.2	1.50	1.88	2.82		6.20	2.80 ~ 8.40	1,350	600 ~ 2,670	6.9	6.3	1.0 + 1.2 + 1.7
	3.2 + 5.0 + 5.0	13.2	1.50	2.35	2.35		6.20	2.80 ~ 8.50	1,290	540 ~ 2,570	6.6	6.0	1.0 + 1.5 + 1.5
	4.0 + 4.0 + 4.0	12.0	2.06	2.06	2.06		6.18	2.80 ~ 8.40	1,350	610 ~ 2,710	6.9	6.3	1.3 + 1.3 + 1.3
	4.0 + 4.0 + 5.0	13.0	1.91	1.91	2.38		6.20	2.80 ~ 8.40	1,300	560 ~ 2,570	6.6	6.1	1.2 + 1.2 + 1.5
4 Room	2.8 + 2.8 + 2.8 + 2.8	11.2	1.55	1.55	1.55	1.55	6.20	2.80 ~ 9.00	1,270	520 ~ 2,980	6.5	5.9	1.0 + 1.0 + 1.0 + 1.0
	2.8 + 2.8 + 2.8 + 3.2	11.6	1.50	1.50	1.50	1.70	6.20	2.80 ~ 9.00	1,270	510 ~ 2,980	6.5	5.9	1.0 + 1.0 + 1.0 + 1.1
	2.8 + 2.8 + 2.8 + 4.0	12.4	1.40	1.40	1.40	2.00	6.20	2.60 ~ 9.00	1,230	440 ~ 2,910	6.3	5.8	0.9 + 0.9 + 0.9 +1.3
	2.8 + 2.8 + 2.8 + 5.0	13.4	1.30	1.30	1.30	2.30	6.20	2.40 ~ 9.00	1,230	320 ~ 2,910	6.3	5.8	0.8 + 0.8 + 0.8 +1.5
	2.8 + 2.8 + 3.2 + 3.2	12.0	1.45	1.45	1.65	1.65	6.20	2.80 ~ 9.00	1,270	510 ~ 2,980	6.5	5.9	0.9 + 0.9 + 1.1 + 1.1

- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.
- Switchable between 8.5amp or 11amp.

INVERTER MULTI-COMBINATION (CU-4XS30UBZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)						Input Power (W)		Current (A) [50Hz]		Moisture Removal L/h
			A	B	C	D	Total	min ~ max	Rated	min ~ max	220V	240V	
4 Room	2.8 + 2.8 + 3.2 + 4.0	12.8	1.36	1.36	1.54	1.94	6.20	2.60 ~ 9.00	1,230	440 ~ 2,910	6.3	5.8	0.9 + 0.9 + 1.0 + 1.3
	2.8 + 3.2 + 3.2 + 3.2	12.4	1.40	1.60	1.60	1.60	6.20	2.70 ~ 9.00	1,270	500 ~ 2,980	6.5	5.9	0.9 + 1.0 + 1.0 + 1.0
	2.8 + 3.2 + 3.2 + 4.0	13.2	1.32	1.50	1.50	1.88	6.20	2.60 ~ 9.00	1,220	430 ~ 2,910	6.3	5.8	0.8 + 1.0 + 1.0 + 1.2
	3.2 + 3.2 + 3.2 + 3.2	12.8	1.55	1.55	1.55	1.55	6.20	2.70 ~ 9.00	1,260	500 ~ 2,920	6.4	5.9	1.0 + 1.0 + 1.0 + 1.0

INVERTER MULTI-COMBINATION (CU-4XS34UBZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)						Input Power (W)		Current (A) [50Hz]		Moisture Removal L/h
			A	B	C	D	Total	min ~ max	Rated	min ~ max	220V	240V	
1 Room	2.8	2.8	2.80				2.80	1.70 ~ 3.40	700	380 ~ 890	3.7	3.4	1.6
	3.2	3.2	3.20				3.20	1.70 ~ 4.00	800	380 ~ 1,200	4.2	3.9	1.8
	4.0	4.0	4.00				4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	6.0	5.5	2.3
	5.0	5.0	5.00				5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	7.3	6.7	2.7
	6.0	6.0	6.00				6.00	1.90 ~ 6.20	1,920	400 ~ 2,070	9.3	8.6	3.3
2 Room	2.8 + 2.8	5.6	2.80	2.80			5.60	2.40 ~ 5.80	1,480	400 ~ 1,550	7.2	6.6	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20			6.00	2.40 ~ 6.70	1,650	390 ~ 2,050	8.0	7.4	1.6 + 1.8
	2.8 + 4.0	6.8	2.68	3.82			6.50	2.40 ~ 7.20	1,980	390 ~ 2,450	9.5	8.8	1.6 + 2.2
	2.8 + 5.0	7.8	2.33	4.17			6.50	2.40 ~ 8.40	1,650	380 ~ 3,020	8.0	7.4	1.5 + 2.4
	2.8 + 6.0	8.8	2.07	4.43			6.50	2.50 ~ 8.40	1,650	410 ~ 3,020	8.0	7.4	1.3 + 2.5
	3.2 + 3.2	6.4	3.20	3.20			6.40	2.40 ~ 7.20	1,840	390 ~ 2,350	8.9	8.1	1.8 + 1.8
	3.2+ 4.0	7.2	2.89	3.61			6.50	2.40 ~ 7.90	1,880	390 ~ 2,990	9.1	8.3	1.7 + 2.1
	3.2 + 5.0	8.2	2.54	3.96			6.50	2.50 ~ 8.60	1,650	400 ~ 3,090	8.0	7.4	1.6 + 2.3
	3.2 + 6.0	9.2	2.26	4.24			6.50	2.50 ~ 8.60	1,650	400 ~ 3,090	8.0	7.4	1.5 + 2.4
	4.0 + 4.0	8.0	3.25	3.25			6.50	2.50 ~ 8.10	1,880	420 ~ 3,230	9.1	8.3	1.8 + 1.8
	4.0 + 5.0	9.0	2.89	3.61			6.50	2.50 ~ 8.60	1,610	400 ~ 3,090	7.8	7.2	1.7 + 2.1
	4.0 + 6.0	10.0	2.60	3.90			6.50	2.50 ~ 8.60	1,610	400 ~ 3,090	7.8	7.2	1.6 + 2.3
	5.0 + 5.0	10.0	3.25	3.25			6.50	2.50 ~ 7.50	1,470	430 ~ 1,870	7.2	6.6	1.8 + 1.8
	5.0 + 6.0	11.0	2.95	3.55			6.50	2.50 ~ 7.50	1,470	430 ~ 1,870	7.2	6.6	1.7 + 2.1
	6.0 + 6.0	12.0	3.25	3.25			6.50	2.50 ~ 7.50	1,470	430 ~ 1,870	7.2	6.6	1.8 + 1.8
3 Room	2.8 + 2.8 + 2.8	8.4	2.16	2.16	2.16		6.48	2.90 ~ 9.30	1,510	490 ~ 2,660	7.4	6.7	1.4 + 1.4 + 1.4
	2.8 + 2.8 + 3.2	8.8	2.07	2.07	2.36		6.50	2.90 ~ 9.40	1,470	490 ~ 2,610	7.2	6.6	1.3 + 1.3 + 1.5
	2.8 + 2.8 + 4.0	9.6	1.90	1.90	2.70		6.50	2.90 ~ 9.50	1,470	490 ~ 2,710	7.2	6.6	1.2 + 1.2 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.72	1.72	3.06		6.50	2.90 ~ 10.00	1,380	520 ~ 2,670	6.7	6.2	1.1 + 1.1 + 1.7
	2.8 + 2.8 + 6.0	11.6	1.57	1.57	3.36		6.50	2.90 ~ 10.00	1,380	520 ~ 2,670	6.7	6.2	1.0 + 1.0 + 1.9
	2.8 + 3.2 + 3.2	9.2	1.98	2.26	2.26		6.50	2.90 ~ 9.50	1,470	490 ~ 2,610	7.2	6.6	1.3 + 1.5 + 1.5
	2.8 + 3.2 + 4.0	10.0	1.82	2.08	2.60		6.50	2.90 ~ 9.60	1,470	490 ~ 2,660	7.2	6.6	1.2 + 1.3 + 1.6
	2.8 + 3.2 + 5.0	11.0	1.65	1.89	2.96		6.50	2.90 ~ 10.10	1,380	520 ~ 2,670	6.7	6.2	1.1 + 1.2 + 1.7
	2.8 + 3.2 + 6.0	12.0	1.52	1.73	3.25		6.50	2.90 ~ 10.10	1,380	520 ~ 2,670	6.7	6.2	1.0 + 1.1 + 1.8
	2.8 + 4.0 + 4.0	10.8	1.68	2.41	2.41		6.50	2.90 ~ 9.60	1,470	490 ~ 2,660	7.2	6.6	1.1 + 1.5 + 1.5
	2.8 + 4.0 + 5.0	11.8	1.54	2.20	2.76		6.50	2.90 ~ 10.10	1,380	520 ~ 2,620	6.7	6.2	1.0 + 1.4 + 1.6
	2.8 + 4.0 + 6.0	12.8	1.42	2.03	3.05		6.50	2.90 ~ 10.10	1,380	520 ~ 2,620	6.7	6.2	0.9 + 1.3 + 1.7
	2.8 + 5.0 + 5.0	12.8	1.42	2.54	2.54		6.50	2.90 ~ 10.50	1,330	560 ~ 2,630	6.5	5.9	0.9 + 1.6 + 1.6
	2.8 + 5.0 + 6.0	13.8	1.31	2.36	2.83		6.50	2.90 ~ 10.50	1,330	560 ~ 2,630	6.5	5.9	0.8 + 1.5 + 1.7
	2.8 + 6.0 + 6.0	14.8	1.22	2.64	2.64		6.50	2.90 ~ 10.50	1,330	560 ~ 2,630	6.5	5.9	0.8 + 1.6 + 1.6
	3.2 + 3.2 + 3.2	9.6	2.16	2.16	2.16		6.48	2.90 ~ 9.70	1,420	490 ~ 2,710	6.9	6.3	1.4 + 1.4 + 1.4
	3.2 + 3.2 + 4.0	10.4	2.00	2.00	2.50		6.50	2.90 ~ 9.70	1,420	490 ~ 2,670	6.9	6.3	1.3 + 1.3 + 1.5
	3.2 + 3.2 + 5.0	11.4	1.82	1.82	2.86		6.50	2.90 ~ 10.20	1,330	520 ~ 2,670	6.5	5.9	1.2 + 1.2 + 1.7

- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.
- Switchable between 8.5amp or 11amp.

INVERTER MULTI-SPLIT TYPE

INVERTER MULTI-COMBINATION (CU-4XS34UBZ)

INDOOR UNIT COMBINATION		Total	Cooling Capacity (kW)						Power Input (W)		Current (A) [50Hz]		Moisture Removal L/h
	Cooling		A	B	C	D	Total	min ~ max	Rated	min ~ max	220V	240V	
3 Room	3.2 + 3.2 + 6.0	12.4	1.68	1.68	3.14		6.50	2.90 ~ 10.20	1,330	520 ~ 2,670	6.5	5.9	1.1 + 1.1 + 1.8
	3.2 + 4.0 + 4.0	11.2	1.86	2.32	2.32		6.50	2.90 ~ 9.70	1,420	520 ~ 2,670	6.9	6.3	1.2 + 1.5 + 1.5
	3.2 + 4.0 + 5.0	12.2	1.70	2.13	2.67		6.50	2.90 ~ 10.20	1,330	520 ~ 2,620	6.5	5.9	1.1 + 1.4 + 1.6
	3.2 + 4.0 + 6.0	13.2	1.58	1.97	2.95		6.50	2.90 ~ 10.20	1,330	520 ~ 2,620	6.5	5.9	1.0 + 1.3 + 1.7
	3.2 + 5.0 + 5.0	13.2	1.58	2.46	2.46		6.50	2.90 ~ 10.50	1,330	590 ~ 2,530	6.5	5.9	1.0 + 1.5 + 1.5
	3.2 + 5.0 + 6.0	14.2	1.46	2.29	2.75		6.50	2.90 ~ 10.50	1,330	590 ~ 2,530	6.5	5.9	0.9 + 1.5 + 1.6
	3.2 + 6.0 + 6.0	15.2	1.36	2.57	2.57		6.50	2.90 ~ 10.50	1,330	590 ~ 2,530	6.5	5.9	0.9 + 1.6 + 1.6
	4.0 + 4.0 + 4.0	12.0	2.16	2.16	2.16		6.48	2.90 ~ 9.70	1,420	520 ~ 2,620	6.9	6.3	1.4 + 1.4 + 1.4
	4.0 + 4.0 + 5.0	13.0	2.00	2.00	2.50		6.50	2.90 ~ 10.30	1,330	520 ~ 2,720	6.5	5.9	1.3 + 1.3 + 1.5
	4.0 + 4.0 + 6.0	14.0	1.86	1.86	2.78		6.50	2.90 ~ 10.30	1,330	520 ~ 2,720	6.5	5.9	1.2 + 1.2 + 1.6
	4.0 + 5.0 + 5.0	14.0	1.86	2.32	2.32		6.50	2.90 ~ 10.50	1,340	590 ~ 2,530	6.5	6.0	1.2 + 1.5 + 1.5
	4.0 + 5.0 + 6.0	15.0	1.73	2.17	2.60		6.50	2.90 ~ 10.50	1,340	590 ~ 2,530	6.5	6.0	1.1 + 1.4 + 1.6
	5.0 + 5.0 + 5.0	15.0	2.16	2.16	2.16		6.48	2.90 ~ 10.50	1,300	640 ~ 2,340	6.3	5.8	1.4 + 1.4 + 1.4
4 Room	2.8 + 2.8 + 2.8 + 2.8	11.2	1.63	1.63	1.63	1.63	6.50	2.90 ~ 10.60	1,330	560 ~ 2,770	6.5	5.9	1.0 + 1.0 + 1.0 + 1.0
	2.8 + 2.8 + 2.8 + 3.2	11.6	1.57	1.57	1.57	1.79	6.50	2.90 ~ 10.60	1,330	560 ~ 2,770	6.5	5.9	1.0 + 1.0 + 1.0 + 1.2
	2.8 + 2.8 + 2.8 + 4.0	12.4	1.47	1.47	1.47	2.09	6.50	2.90 ~ 10.60	1,330	560 ~ 2,720	6.5	5.9	0.9 + 0.9 + 0.9 + 1.4
	2.8 + 2.8 + 2.8 + 50	13.4	1.36	1.36	1.36	2.42	6.50	2.90 ~ 10.60	1,300	600 ~ 2,440	6.3	5.8	0.9 + 0.9 + 0.9 + 1.5
	2.8 + 2.8 + 2.8 + 6.0	14.4	1.26	1.26	1.26	2.72	6.50	2.90 ~ 10.60	1,300	600 ~ 2,440	6.3	5.8	0.8 + 0.8 + 0.8 + 1.6
	2.8 + 2.8 + 3.2 + 3.2	12.0	1.52	1.52	1.73	1.73	6.50	2.90 ~ 10.60	1,330	560 ~ 2,680	6.5	5.9	1.0 + 1.0 + 1.1 + 1.1
	2.8 + 2.8 + 3.2 + 4.0	12.8	1.42	1.42	1.63	2.03	6.50	2.90 ~ 10.60	1,330	560 ~ 2,680	6.5	5.9	0.9 + 0.9 + 1.0 + 1.3
	2.8 + 2.8 + 3.2 + 5.0	13.8	1.32	1.32	1.51	2.35	6.50	2.90 ~ 10.60	1,300	640 ~ 2,440	6.3	5.8	0..8 + 0.8 + 1.0 + 1.5
	2.8 + 2.8 + 3.2 + 6.0	14.8	1.23	1.23	1.41	2.63	6.50	2.90 ~ 10.60	1,300	640 ~ 2,440	6.3	5.8	0.8 + 0.8 + 0.9 + 1.6
	2.8 + 2.8 + 4.0 + 4.0	13.6	1.34	1.34	1.91	1.91	6.50	2.90 ~ 10.60	1,330	560 ~ 2,630	6.5	5.9	0.8 + 0.8 + 1.2 + 1.2
	2.8 + 2.8 + 4.0 + 5.0	14.6	1.25	1.25	1.78	2.22	6.50	2.90 ~ 10.60	1,300	640 ~ 2,390	6.3	5.8	0.8 + 0.8 + 1.1 + 1.4
	2.8 + 2.8 + 4.0 + 6.0	15.6	1.17	1.17	1.67	2.49	6.50	2.90 ~ 10.60	1,300	640 ~ 2,390	6.3	5.8	0.7 + 0.7 + 1.1 + 1.5
	2.8 + 2.8 + 5.0 + 5.0	15.6	1.17	1.17	2.08	2.08	6.50	2.90 ~ 10.60	1,310	700 ~ 2,260	6.4	5.8	0.7 + 0.7 + 1.3 + 1.3
	2.8 + 3.2 + 3.2 + 3.2	12.4	1.46	1.68	1.68	1.68	6.50	2.90 ~ 10.60	1,290	590 ~ 2,630	6.3	5.8	0.9 + 1.1 + 1.1 + 1.1
	2.8 + 3.2 + 3.2 + 4.0	13.2	1.37	1.58	1.58	1.97	6.50	2.90 ~ 10.60	1,290	590 ~ 2,580	6.3	5.8	0.9 + 1.0 + 1.0 + 1.3
	2.8 + 3.2 + 3.2 + 5.0	14.2	1.28	1.46	1.46	2.30	6.50	2.90 ~ 10.60	1,300	640 ~ 2,390	6.3	5.8	0.8 + 0.9 + 0.9 + 1.5
	2.8 + 3.2 + 3.2 + 6.0	15.2	1.20	1.37	1.37	2.56	6.50	2.90 ~ 10.60	1,300	640 ~ 2,390	6.3	5.8	0.7 + 0.9 + 0.9 + 1.6
	2.8 + 3.2 + 4.0 + 4.0	14.0	1.29	1.49	1.86	1.86	6.50	2.90 ~ 10.60	1,290	600 ~ 2,580	6.3	5.8	0.8 + 0.9 + 1.2 + 1.2
	2.8 + 3.2 + 4.0 + 5.0	15.0	1.21	1.39	1.73	2.17	6.50	2.90 ~ 10.60	1,300	650 ~ 2,390	6.3	5.8	0.8 + 0.9 + 1.1 + 1.4
	2.8 + 4.0 + 4.0 + 4.0	14.8	1.22	1.76	1.76	1.76	6.50	2.90 ~ 10.60	1,290	600 ~ 2,580	6.3	5.8	0.8 + 1.1 + 1.1 + 1.1
	3.2 + 3.2 + 3.2 + 3.2	12.8	1.63	1.63	1.63	1.63	6.50	2.90 ~ 10.60	1,290	600 ~ 2,580	6.3	5.8	1.0 + 1.0 + 1.0 + 1.0
	3.2 + 3.2 + 3.2 + 4.0	13.6	1.53	1.53	1.53	1.91	6.50	2.90 ~ 10.60	1,290	600 ~ 2,530	6.3	5.8	1.0 + 1.0 + 1.0 + 1.2
	3.2 + 3.2 + 3.2 + 5.0	14.6	1.42	1.42	1.42	2.24	6.50	2.90 ~ 10.60	1,300	650 ~ 2,350	6.3	5.8	0.9 + 0.9 + 0.9 + 1.5
	3.2 + 3.2 + 3.2 + 6.0	15.6	1.33	1.33	1.33	2.51	6.50	2.90 ~ 10.60	1,300	650 ~ 2,350	6.3	5.8	0.8 + 0.8 + 0.8 + 1.5
	3.2 + 3.2 + 4.0 + 4.0	14.4	1.44	1.44	1.81	1.81	6.50	2.90 ~ 10.60	1,290	600 ~ 2,530	6.3	5.8	0.9 + 0.9 + 1.2 + 1.2
	3.2 + 3.2 + 4.0 + 5.0	15.4	1.35	1.35	1.69	2.11	6.50	2.90 ~ 10.60	1,300	650 ~ 2,350	6.3	5.8	0.9 + 0.9 + 1.1 + 1.4
	3.2 + 4.0 + 4.0 + 4.0	15.2	1.37	1.71	1.71	1.71	6.50	2.90 ~ 10.60	1,300	600 ~ 2,530	6.3	5.8	0.9 + 1.1 + 1.1 + 1.1

- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.
- Switchable between 8.5amp or 11amp.

CONNECTION OF COOLING MULTI INVERTER

Outdoor Unit	Indoor Type	Maximum Connectable Indoor unit kW	KW
CU-2XS20UKZ 	**Wall Mounted**  CS-MXS9UKZ | CS-MXS12UKZ	6.4	2.8 3.2
CU-3XS27UKZ 	**Wall Mounted**   CS-MXS9UKZ | CS-MXS12UKZ CS-MXS15UKZ CS-MXS18UKZ	13.2	2.8 3.2 4.0 5.0
CU-4XS30UBZ	**Wall Mounted**   CS-MXS9UKZ | CS-MXS12UKZ CS-MXS15UKZ CS-MXS18UKZ | CS-MXS24UKZ	13.4	2.8 3.2 4.0 5.0 6.0
	Mini Cassette  CS-S12MB4ZW | CS-S18MB4ZW | CS-S24MB4ZW		3.2 5.0 6.0
	Slim Ducted  CS-MS9SD3H | CS-MS12SD3H | CS-MS18SD3H | CS-MS24SD3H		2.8 3.2 5.0 6.0
CU-4XS34UBZ 	**Wall Mounted**   CS-MXS9UKZ | CS-MXS12UKZ CS-MXS15UKZ CS-MXS18UKZ | CS-MXS24UKZ	15.6	2.8 3.2 4.0 5.0 6.0
	Mini Cassette  CS-S12MB4ZW | CS-S18MB4ZW | CS-S24MB4ZW		3.2 5.0 6.0
	Slim Ducted  CS-MS9SD3H | CS-MS12SD3H | CS-MS18SD3H | CS-MS24SD3H		2.8 3.2 5.0 6.0

INVERTER MULTI-SPLIT TYPE

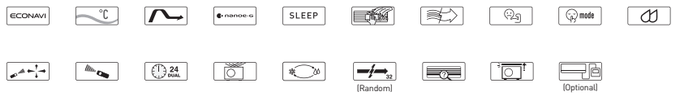
WALL MOUNTED
AERO SERIES DELUXE INVERTER TYPE

CS-S9TKZW | CS-S12TKZW | CS-MS15TKZ
CS-S18TKZW | CS-S24TKZW

Wireless

Wired (Optional)

COOLING MODELS



nanoe TECHNOLOGY

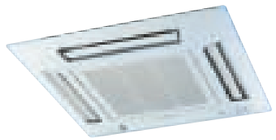
AEROWINGS

INVERTER

ECONAVI

MINI CASSETTE

CS-S12MB4ZW | CS-S18MB4ZW
CS-S24MB4ZW



Panel CZ-BT20E

Wireless

COOLING MODELS

INVERTER

OUTDOOR

INVERTER DUAL-SPLIT MODEL

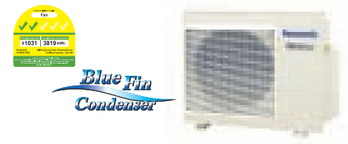
MODELS	CU-2S18PKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
2 Rooms		Port A 2.8 or 3.2 Either unit Port B 2.8 or 3.2 Either unit

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

INVERTER TRIPLE-SPLIT MODEL

MODELS	CU-3S27MKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
3 Rooms		Port A 2.8 or 3.2 or 4.0 or 5.0 Port B 2.8 or 3.2 or 4.0 or 5.0 Port C 2.8 or 3.2 or 4.0 or 5.0

• It is possible to have a combination of wall-mounted models (CS-S9, S12, S18TKZW, CS-MS15TKZ) for the (CU-3S27MKZ) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

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

• It is possible to have a combination of wall-mounted models (CS-S9, S12, S18, S24TKZW, CS-MS15TKZ) and mini cassette models (CS-S12, S18, S24MB4ZW) for the (CU-3S27KKZ) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

INVERTER QUADRUPLE-SPLIT MODEL

MODELS	CU-4S27NKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
4 Rooms		Port A 2.8 or 3.2 or 4.0 or 5.0 Port B 2.8 or 3.2 or 4.0 or 5.0 Port C 2.8 or 3.2 or 4.0 or 5.0 Port D 2.8 or 3.2 or 4.0 or 5.0

• It is possible to have a combination of wall-mounted models (CS-S9, S12, S18TKZW, CS-MS15TKZ) for the (CU-4S27NKZ) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

INVERTER MULTI-SPLIT TYPE

INDOOR

DELUXE INVERTER SPECIFICATIONS

MODEL		(50Hz)	CS-S9TKZW	CS-S12TKZW	CS-MS15TKZ	CS-S18TKZW	CS-S24TKZW
Operation			1 unit				
Cooling Capacity		Btu/h	9,550	10,900	13,600	17,100	20,500
		kW	2.80	3.20	4.00	5.00	6.00
Electrical Data	Voltage	V	220 - 240				
Sound Pressure Level	Indoor (H/L)	dB-A	40/29	44/32	45/32	47/38	48/39
Moisture Removal		L/h	1.6	1.8	2.3	2.7	3.3
Air Circulation		m^3/min	9.8	11.0	12.8	19.3	20.3
		ft^3/min	345	390	450	680	715
Fan Output		W	40	40	40	*40/30	30
Dimensions	Height	mm	295			302	
	Width	mm	919			1,120	
	Depth	mm	199			241	
Net Weight Indoor		kg	9			12	
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35				
	Gas Side	mm	ø 9.52				ø 12.7
Power Supply			Outdoor				

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

MINI CASSETTE SPECIFICATIONS

MODEL		(50Hz)	CS-S12MB4ZW	CS-S18MB4ZW	CS-S24MB4ZW
Operation			1 unit		
Cooling Capacity		Btu/h	10,900	17,100	20,500
		kW	3.20	5.00	6.00
Electrical Data	Voltage	V	220 - 240		
Sound Pressure Level	Indoor (H/L)	dB-A	34 / 26	36 / 28	41 / 33
Moisture Removal		L/h	1.8	2.7	3.3
Air Circulation		m^3/min	10.5	11.0	12.8
		ft^3/min	370	390	450
Fan Output		W	40		
Dimensions	Height	mm	260		
	Width	mm	575		
	Depth	mm	575		
Net Weight Indoor		kg	18		
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35		
	Gas Side	mm	ø 9.52		ø 12.70
Power Supply			Outdoor		

OUTDOOR

			DUAL-SPLIT MODEL	TRIPLE-SPLIT MODEL		QUADRUPLE-SPLIT MODEL
MODEL		(50Hz)	CU-2S18PKZ	CU-3S27MKZ	CU-3S27KKZ	CU-4S27NKZ
Cooling Capacity	(min-max)	kW	5.00 (1.50~6.00)	7.50 (2.80~8.00)	7.50 (2.80~9.00)	7.50 (2.80~8.00)
	(min-max)	Btu/h	17,100 (5,120~20,500)	25,600 (9,550~27,300)	25,600 (9,550~30,700)	25,600 (9,550~27,300)
COP	(min-max)	W/W	3.57 (6.00-3.43)	3.64 (5.38-3.02)	3.64 (5.38-3.18)	3.64 (5.38-3.02)
EER	(min-max)	Btu/hW	12.21 (20.48-11.71)	12.43 (18.37-10.30)	12.43 (18.37-10.85)	12.43 (18.37-10.31)
Weighted COP		W/W	4.03	4.43	4.40	4.11
Electrical Data	Voltage	V	220 - 240			
	Current	A	6.6-6.1	10.2-9.4	10.1-9.2	10.2-9.4
	Power Input (min-max)	W	1,400 (250~1,750)	2,060 (520~2,650)	2,060 (520~2,830)	2,060 (520~2,650)
Sound Pressure Level	Outdoor (H/L)	dB-A	49	49	49	49
Maximum Current		A	12	15.2	15.2	15.2
Starting Current		A	6.6	10.2	10.1	10.2
Compressor Output		W	900	1,300	1,300	1,300
Fan Output		W	40	44	60	44
Dimensions	Height	mm	619	695	795	695
	Width	mm	824 (+70)	875 (+95)	875 (+95)	875 (+95)
	Depth	mm	299	320	320	320
Net Weight	Outdoor	kg	37	57	68	57
Pipe Extension	Chargeless Pipe Length	m	20	30	30	35
	Maximum Pipe Length	1 Room	20	25	25	25
		Total	30	60	60	60
	Maximum Elevation Length	m	10	15	15	15
	Additional Refrigerant Gas*	g/m	15	20	20	20

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

INVERTER DUAL-SPLIT MODEL (CU-2S18PKZ)

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

INVERTER TRIPLE-SPLIT MODEL (CU-3S27MKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW)					Power Input (W)		Current (A) [50Hz]		Moisture Removal L/h
			A	B	C	Total	min ~ max	Rated	min ~ max	220V	240V	
1 Room	2.8	2.8	2.80			2.80	1.70 ~ 3.40	700	380 ~ 890	3.8	3.5	1.6
	3.2	3.2	3.20			3.20	1.70 ~ 4.00	800	380 ~ 1,200	4.3	3.9	1.8
	4.0	4.0	4.00			4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	6.1	5.6	2.3
	5.0	5.0	5.00			5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	7.4	6.8	2.7
2 Room	2.8 + 2.8	5.6	2.80	2.80		5.60	1.70 ~ 6.40	1,750	420 ~ 2,600	8.7	8.0	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.70 ~ 6.50	2,010	420 ~ 2,600	10.0	9.2	1.6 + 1.8
	2.8 + 4.0	6.8	2.80	4.00		6.80	2.50 ~ 7.30	2,420	550 ~ 3,330	12.0	11.0	1.6 + 2.3
	2.8 + 5.0	7.8	2.69	4.81		7.50	2.70 ~ 7.70	2,810	530 ~ 3,310	13.9	12.7	1.6 + 2.6
	3.2 + 3.2	6.4	3.20	3.20		6.40	2.30 ~ 7.10	2,290	570 ~ 3,350	11.3	10.4	1.8 + 1.8
	3.2 + 4.0	7.2	3.20	4.00		7.20	2.50 ~ 7.40	2,770	550 ~ 3,330	13.7	12.5	1.8 + 2.3
	3.2 + 5.0	8.2	2.93	4.57		7.50	2.80 ~ 7.70	2,760	530 ~ 3,310	13.6	12.5	1.7 + 2.5
	4.0 + 4.0	8.0	3.75	3.75		7.50	2.70 ~ 7.60	2,870	540 ~ 3,310	14.2	13.0	2.2 + 2.2
	4.0 + 5.0	9.0	3.33	4.17		7.50	2.80 ~ 7.80	2,600	530 ~ 3,300	12.8	11.8	1.9 + 2.4
	5.0 + 5.0	10.0	3.75	3.75		7.50	2.90 ~ 8.00	2,440	520 ~ 3,300	12.1	11.1	2.2 + 2.2
3 Room	2.8 + 2.8 + 2.8	8.4	2.50	2.50	2.50	7.50	2.40 ~ 7.60	2,740	580 ~ 3,170	13.5	12.4	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.39	2.39	2.72	7.50	2.40 ~ 7.70	2,690	580 ~ 3,170	13.3	12.2	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 4.0	9.6	2.19	2.19	3.12	7.50	2.60 ~ 8.00	2,490	600 ~ 3,260	12.3	11.3	1.4 + 1.4 + 1.8
	2.8 + 2.8 + 5.0	10.6	1.98	1.98	3.54	7.50	2.80 ~ 8.00	2,250	600 ~ 2,910	11.1	10.2	1.3 + 1.3 + 2.0
	2.8 + 3.2 + 3.2	9.2	2.28	2.61	2.61	7.50	2.40 ~ 7.70	2,690	580 ~ 3,180	13.3	12.2	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 4.0	10.0	2.10	2.40	3.00	7.50	2.60 ~ 8.00	2,450	600 ~ 3,200	12.1	11.1	1.4 + 1.5 + 1.7
	2.8 + 3.2 + 5.0	11.0	1.91	2.18	3.41	7.50	2.80 ~ 8.00	2,250	600 ~ 2,910	11.1	10.2	1.2 + 1.4 + 2.0
	2.8 + 4.0 + 4.0	10.8	1.94	2.78	2.78	7.50	2.70 ~ 8.00	2,290	600 ~ 3,020	11.3	10.4	1.3 + 1.6 + 1.6
	2.8 + 4.0 + 5.0	11.8	1.78	2.54	3.18	7.50	2.80 ~ 8.00	2,170	580 ~ 2,760	10.7	9.8	1.1 + 1.6 + 1.8
	2.8 + 5.0 + 5.0	12.8	1.64	2.93	2.93	7.50	2.80 ~ 8.00	2,070	520 ~ 2,650	10.2	9.4	1.0 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	2.50	2.50	2.50	7.50	2.40 ~ 7.70	2,650	590 ~ 3,190	13.1	12.0	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 4.0	10.4	2.31	2.31	2.88	7.50	2.60 ~ 8.00	2,450	600 ~ 3,210	12.1	11.1	1.5 + 1.5 + 1.7
	3.2 + 3.2 + 5.0	11.4	2.11	2.11	3.28	7.50	2.80 ~ 8.00	2,250	600 ~ 2,920	11.1	10.2	1.4 + 1.4 + 1.9
	3.2 + 4.0 + 4.0	11.2	2.14	2.68	2.68	7.50	2.80 ~ 8.00	2,290	600 ~ 2,960	11.3	10.4	1.4 + 1.6 + 1.6
	3.2 + 4.0 + 5.0	12.2	1.97	2.46	3.07	7.50	2.80 ~ 8.00	2,170	580 ~ 2,760	10.7	9.8	1.3 + 1.5 + 1.7
	3.2 + 5.0 + 5.0	13.2	1.82	2.84	2.84	7.50	2.80 ~ 8.00	2,060	520 ~ 2,650	10.2	9.4	1.2 + 1.7 + 1.7
	4.0 + 4.0 + 4.0	12.0	2.50	2.50	2.50	7.50	2.80 ~ 8.00	2,170	590 ~ 2,820	10.7	9.8	1.5 + 1.5 + 1.5
	4.0 + 4.0 + 5.0	13.0	2.31	2.31	2.88	7.50	2.80 ~ 8.00	2,070	540 ~ 2,650	10.2	9.4	1.5 + 1.5 + 1.7

- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.
- Switchable between 8.5amp or 11amp.

INVERTER MULTI-SPLIT TYPE

INVERTER TRIPLE-SPLIT MODEL (CU-3S27KKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW) A	B	C	Total	min ~ max	Power Input (W) Rated	min ~ max	Current (A) [50Hz] 220V	240V	Moisture Removal L/h
1 Room	2.8	2.8	2.80			2.80	1.70 ~ 3.40	700	380 ~ 890	3.7	3.4	1.6
	3.2	3.2	3.20			3.20	1.70 ~ 4.00	800	380 ~ 1,200	4.2	3.9	1.8
	4.0	4.0	4.00			4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	6.0	5.5	2.3
	5.0	5.0	5.00			5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	7.3	6.7	2.7
	6.0	6.0	6.00			6.00	1.90 ~ 6.20	1,920	400 ~ 2,070	9.3	8.6	3.3
2 Room	2.8 + 2.8	5.6	2.80	2.80		5.60	1.70 ~ 6.70	1,750	420 ~ 2,340	8.6	7.9	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.70 ~ 6.70	2,010	420 ~ 2,340	9.8	9.0	1.6 + 1.8
	2.8 + 4.0	6.8	2.80	4.00		6.80	2.50 ~ 7.60	2,420	550 ~ 2,990	11.8	10.8	1.6 + 2.3
	2.8 + 5.0	7.8	2.69	4.81		7.50	2.70 ~ 8.00	2,810	530 ~ 2,980	13.7	12.6	1.6 + 2.6
	2.8 + 6.0	8.8	2.39	5.11		7.50	2.70 ~ 8.00	2,810	530 ~ 2,980	13.7	12.6	1.5 + 2.8
	3.2 + 3.2	6.4	3.20	3.20		6.40	2.30 ~ 7.40	2,290	570 ~ 3,010	11.2	10.3	1.8 + 1.8
	3.2 + 4.0	7.2	3.20	4.00		7.20	2.50 ~ 7.70	2,770	550 ~ 2,990	13.5	12.4	1.8 + 2.3
	3.2 + 5.0	8.2	2.93	4.57		7.50	2.80 ~ 8.00	2,760	530 ~ 2,970	13.5	12.4	1.7 + 2.5
	3.2 + 6.0	9.2	2.61	4.89		7.50	2.80 ~ 8.00	2,760	530 ~ 2,970	13.5	12.4	1.6 + 2.7
	4.0 + 4.0	8.0	3.75	3.75		7.50	2.70 ~ 7.90	2,870	540 ~ 2,980	14.0	12.9	2.2 + 2.2
	4.0 + 5.0	9.0	3.33	4.17		7.50	2.80 ~ 8.10	2,600	530 ~ 2,970	12.7	11.6	1.9 + 2.4
	4.0 + 6.0	10.0	3.00	4.50		7.50	2.80 ~ 8.10	2,600	530 ~ 2,970	12.7	11.6	1.7 + 2.5
	5.0 + 5.0	10.0	3.75	3.75		7.50	2.90 ~ 8.30	2,440	520 ~ 2,970	11.9	10.9	2.2 + 2.2
	5.0 + 6.0	11.0	3.41	4.09		7.50	2.90 ~ 8.30	2,440	520 ~ 2,970	11.9	10.9	2.0 + 2.3
	6.0 + 6.0	12.0	3.75	3.75		7.50	2.90 ~ 8.30	2,440	520 ~ 2,970	11.9	10.9	2.2 + 2.2
3 Room	2.8 + 2.8 + 2.8	8.4	2.50	2.50	2.50	7.50	2.40 ~ 7.90	2,740	580 ~ 2,840	13.4	12.3	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.39	2.39	2.72	7.50	2.40 ~ 8.00	2,690	580 ~ 2,850	13.1	12.1	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 4.0	9.6	2.19	2.19	3.12	7.50	2.60 ~ 8.40	2,490	600 ~ 2,930	12.2	11.2	1.4 + 1.4 + 1.8
	2.8 + 2.8 + 5.0	10.6	1.98	1.98	3.54	7.50	2.80 ~ 8.80	2,250	600 ~ 3,010	11.0	10.1	1.3 + 1.3 + 2.0
	2.8 + 2.8 + 6.0	11.6	1.81	1.81	3.88	7.50	2.80 ~ 8.80	2,250	600 ~ 3,010	11.0	10.1	1.2 + 1.2 + 2.3
	2.8 + 3.2 + 3.2	9.2	2.28	2.61	2.61	7.50	2.40 ~ 8.00	2,690	580 ~ 2,860	13.1	12.1	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 4.0	10.0	2.10	2.40	3.00	7.50	2.60 ~ 8.40	2,450	600 ~ 2,930	12.0	11.0	1.4 + 1.5 + 1.7
	2.8 + 3.2 + 5.0	11.0	1.91	2.18	3.41	7.50	2.80 ~ 8.80	2,250	600 ~ 3,020	11.0	10.1	1.2 + 1.4 + 2.0
	2.8 + 3.2 + 6.0	12.0	1.75	2.00	3.75	7.50	2.80 ~ 8.80	2,250	600 ~ 3,020	11.0	10.1	1.1 + 1.3 + 2.2
	2.8 + 4.0 + 4.0	10.8	1.94	2.78	2.78	7.50	2.70 ~ 8.70	2,290	600 ~ 3,000	11.2	10.3	1.3 + 1.6 + 1.6
	2.8 + 4.0 + 5.0	11.8	1.78	2.54	3.18	7.50	2.80 ~ 9.00	2,170	580 ~ 3,050	10.6	9.7	1.1 + 1.6 + 1.8
	2.8 + 4.0 + 6.0	12.8	1.64	2.34	3.52	7.50	2.80 ~ 9.00	2,170	580 ~ 3,050	10.6	9.7	1.0 + 1.5 + 2.0
	2.8 + 5.0 + 5.0	12.8	1.64	2.93	2.93	7.50	2.80 ~ 9.00	2,070	520 ~ 2,830	10.1	9.3	1.0 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	2.50	2.50	2.50	7.50	2.40 ~ 8.00	2,650	590 ~ 2,860	13.0	11.9	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 4.0	10.4	2.31	2.31	2.88	7.50	2.60 ~ 8.40	2,450	600 ~ 2,940	12.0	11.0	1.5 + 1.5 + 1.7
	3.2 + 3.2 + 5.0	11.4	2.11	2.11	3.28	7.50	2.80 ~ 8.80	2,250	600 ~ 3,020	11.0	10.1	1.4 + 1.4 + 1.9
	3.2 + 3.2 + 6.0	12.4	1.94	1.94	3.62	7.50	2.80 ~ 8.80	2,250	600 ~ 3,020	11.0	10.1	1.3 + 1.3 + 2.1
	3.2 + 4.0 + 4.0	11.2	2.14	2.68	2.68	7.50	2.80 ~ 8.70	2,290	600 ~ 3,000	11.2	10.3	1.4 + 1.6 + 1.6
	3.2 + 4.0 + 5.0	12.2	1.97	2.46	3.07	7.50	2.80 ~ 9.00	2,170	580 ~ 3,060	10.6	9.7	1.3 + 1.5 + 1.7
	3.2 + 4.0 + 6.0	13.2	1.82	2.27	3.41	7.50	2.80 ~ 9.00	2,170	580 ~ 3,060	10.6	9.7	1.2 + 1.5 + 2.0
	3.2 + 5.0 + 5.0	13.2	1.82	2.84	2.84	7.50	2.80 ~ 9.00	2,060	520 ~ 2,830	10.1	9.2	1.2 + 1.7 + 1.7
	4.0 + 4.0 + 4.0	12.0	2.50	2.50	2.50	7.50	2.80 ~ 9.00	2,170	590 ~ 3,040	10.6	9.7	1.5 + 1.5 + 1.5
	4.0 + 4.0 + 5.0	13.0	2.31	2.31	2.88	7.50	2.80 ~ 9.00	2,070	540 ~ 2,830	10.1	9.3	1.5 + 1.5 + 1.7

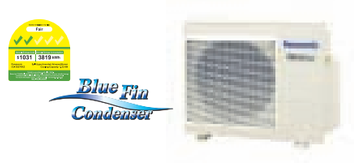
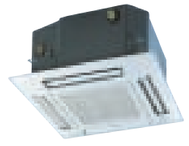
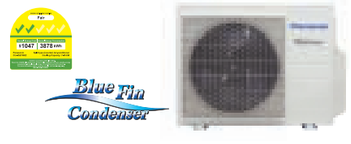
- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.
- Switchable between 8.5amp or 11amp.

INVERTER QUADRUPLE-SPLIT MODEL (CU-4S27NKZ)

INDOOR UNIT COMBINATION	Cooling	Total	Cooling Capacity (kW) A	B	C	D	Total	min ~ max	Power Input (W) Rated	min ~ max	Current (A) [50Hz] 220V	240V	Moisture Removal L/h
1 Room	2.8	2.8	2.80				2.80	1.7 ~ 3.4	700	380 ~ 890	3.8	3.5	1.6
	3.2	3.2	3.20				3.20	1.7 ~ 4.0	800	380 ~ 1,200	4.3	3.9	1.8
	4.0	4.0	4.00				4.00	1.7 ~ 4.8	1,180	380 ~ 1,480	6.1	5.6	2.3
	5.0	5.0	5.00				5.00	1.9 ~ 5.8	1,460	400 ~ 1,890	7.4	6.8	2.7
2 Room	2.8 + 2.8	5.6	2.80	2.80			5.60	1.7 ~ 6.4	1,750	420 ~ 2,600	8.7	8.0	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20			6.00	1.7 ~ 6.5	2,010	420 ~ 2,600	10.0	9.2	1.6 + 1.8
	2.8 + 4.0	6.8	2.80	4.00			6.80	2.5 ~ 7.3	2,420	550 ~ 3,330	12.0	11.0	1.6 + 2.3
	2.8 + 5.0	7.8	2.69	4.81			7.50	2.7 ~ 7.7	2,810	530 ~ 3,310	13.9	12.7	1.6 + 2.6
	3.2 + 3.2	6.4	3.20	3.20			6.40	2.3 ~ 7.1	2,290	570 ~ 3,350	11.3	10.4	1.8 + 1.8
	3.2 + 4.0	7.2	3.20	4.00			7.20	2.5 ~ 7.4	2,770	550 ~ 3,330	13.7	12.5	1.8 + 2.3
	3.2 + 5.0	8.2	2.93	4.57			7.50	2.8 ~ 7.7	2,760	530 ~ 3,310	13.6	12.5	1.7 + 2.5
	4.0 + 4.0	8.0	3.75	3.75			7.50	2.7 ~ 7.6	2,870	540 ~ 3,310	14.2	13.0	2.2 + 2.2
	4.0 + 5.0	9.0	3.33	4.17			7.50	2.8 ~ 7.8	2,600	530 ~ 3,300	12.8	11.8	1.9 + 2.4
	5.0 + 5.0	10.0	3.75	3.75			7.50	2.9 ~ 8.0	2,440	520 ~ 3,300	12.1	11.1	2.2 + 2.2
3 Room	2.8 + 2.8 + 2.8	8.4	2.50	2.50	2.50		7.50	2.4 ~ 7.6	2,740	580 ~ 3,170	13.5	12.4	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	2.39	2.39	2.72		7.50	2.4 ~ 7.7	2,690	580 ~ 3,170	13.3	12.2	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 4.0	9.6	2.19	2.19	3.12		7.50	2.6 ~ 8.0	2,490	600 ~ 3,260	12.3	11.3	1.4 + 1.4 + 1.8
	2.8 + 2.8 + 5.0	10.6	1.98	1.98	3.54		7.50	2.8 ~ 8.0	2,250	600 ~ 2,910	11.1	10.2	1.3 + 1.3 + 2.0
	2.8 + 3.2 + 3.2	9.2	2.28	2.61	2.61		7.50	2.4 ~ 7.7	2,690	580 ~ 3,180	13.3	12.2	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 4.0	10.0	2.10	2.40	3.00		7.50	2.6 ~ 8.0	2,450	600 ~ 3,200	12.1	11.1	1.4 + 1.5 + 1.7
	2.8 + 3.2 + 5.0	11.0	1.91	2.18	3.41		7.50	2.8 ~ 8.0	2,250	600 ~ 2,910	11.1	10.2	1.2 + 1.4 + 2.0
	2.8 + 4.0 + 4.0	10.8	1.94	2.78	2.78		7.50	2.7 ~ 8.0	2,290	600 ~ 3,020	11.3	10.4	1.3 + 1.6 + 1.6
	2.8 + 4.0 + 5.0	11.8	1.78	2.54	3.18		7.50	2.8 ~ 8.0	2,170	580 ~ 2,760	10.7	9.8	1.1 + 1.6 + 1.8
	2.8 + 5.0 + 5.0	12.8	1.64	2.93	2.93		7.50	2.8 ~ 8.0	2,070	520 ~ 2,650	10.2	9.4	1.0 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	2.50	2.50	2.50		7.50	2.4 ~ 7.7	2,650	590 ~ 3,190	13.1	12.0	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 4.0	10.4	2.31	2.31	2.88		7.50	2.6 ~ 8.0	2,450	600 ~ 3,210	12.1	11.1	1.5 + 1.5 + 1.7
	3.2 + 3.2 + 5.0	11.4	2.11	2.11	3.28		7.50	2.8 ~ 8.0	2,250	600 ~ 2,920	11.1	10.2	1.4 + 1.4 + 1.9
	3.2 + 4.0 + 4.0	11.2	2.14	2.68	2.68		7.50	2.8 ~ 8.0	2,290	600 ~ 2,960	11.3	10.4	1.4 + 1.6 + 1.6
	3.2 + 4.0 + 5.0	12.2	1.97	2.46	3.07		7.50	2.8 ~ 8.0	2,170	580 ~ 2,760	10.7	9.8	1.3 + 1.5 + 1.7
	3.2 + 5.0 + 5.0	13.2	1.82	2.84	2.84		7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2	9.4	1.2 + 1.7 + 1.7
	4.0 + 4.0 + 4.0	12.0	2.50	2.50	2.50		7.50	2.8 ~ 8.0	2,170	590 ~ 2,820	10.7	9.8	1.5 + 1.5 + 1.5
	4.0 + 4.0 + 5.0	13.0	2.31	2.31	2.88		7.50	2.8 ~ 8.0	2,070	540 ~ 2,650	10.2	9.4	1.5 + 1.5 + 1.7
4 Room	2.8 + 2.8 + 2.8 + 2.8	11.2	1.88	1.88	1.88	1.88	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2	9.4	1.2 + 1.2 + 1.2 + 1.2
	2.8 + 2.8 + 2.8 + 3.2	11.6	1.81	1.81	1.81	2.07	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2	9.4	1.2 + 1.2 + 1.2 + 1.3
	2.8 + 2.8 + 2.8 + 4.0	12.4	1.69	1.69	1.69	2.43	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2	9.4	1.1 + 1.1 + 1.1 + 1.5
	2.8 + 2.8 + 2.8 + 5.0	13.4	1.57	1.57	1.57	2.79	7.50	2.8 ~ 8.0	2,060	520 ~ 2,530	10.2	9.4	1.0 + 1.0 + 1.0 + 1.6
	2.8 + 2.8 + 3.2 + 3.2	12.0	1.75	1.75	2.00	2.00	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2	9.4	1.1 + 1.1 + 1.3 + 1.3
	2.8 + 2.8 + 3.2 + 4.0	12.8	1.64	1.64	1.88	2.34	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2	9.4	1.0 + 1.0 + 1.2 + 1.5
	2.8 + 3.2 + 3.2 + 3.2	12.4	1.68	1.94	1.94	1.94	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2	9.4	1.1 + 1.3 + 1.3 + 1.3
	2.8 + 3.2 + 3.2 + 4.0	13.2	1.59	1.82	1.82	2.27	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2	9.4	1.0 + 1.2 + 1.2 + 1.5
	3.2 + 3.2 + 3.2 + 3.2	12.8	1.88	1.88	1.88	1.88	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2	9.4	1.2 + 1.2 + 1.2 + 1.2

- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.
- Switchable between 8.5amp or 11amp.

CONNECTION OF COOLING MULTI INVERTER

Outdoor Unit	Indoor		
	Type	Maximum Connectable Indoor unit kW	KW
CU-2S18PKZ 	**Wall Mounted**  CS-S9TKZW | CS-S12TKZW	6.4	2.8 3.2
CU-3S27MKZ 	**Wall Mounted**  CS-S9TKZW | CS-S12TKZW | CS-MS15TKZ  CS-S18TKZW	13.2	2.8 3.2 4.0 5.0
CU-3S27KKZ 	**Wall Mounted**  CS-S9TKZW | CS-S12TKZW | CS-MS15TKZ  CS-S18TKZW | CS-S24TKZW	13.2	2.8 3.2 4.0 5.0 6.0
	Mini Cassette  CS-S12MB4ZW | CS-S18MB4ZW | CS-S24MB4ZW		3.2 5.0 6.0
CU-4S27NKZ 	**Wall Mounted**  CS-S9TKZW | CS-S12TKZW | CS-MS15TKZ  CS-S18TKZW	13.4	2.8 3.2 4.0 5.0

OPTIONAL ACCESSORIES

■ REMOTE CONTROL

Wired Remote Control

CZ-RD514C

CS-S9TKZW, CS-S12TKZW, CS-S18TKZW, CS-S24TKZW, CS-S28TKZ
CS-XS9RKZW, CS-XS12RKZW, CS-XS18RKZW, CS-XS24RKZW, CS-XS28RKZ
CS-PS9UKZ, CS-PS12UKZ, CS-PS18UKZ, CS-PS24UKZ
CS-MXS9UKZ, CS-MXS12UKZ, CS-MXS15UKZ, CS-MXS18UKZ, CS-MXS24UKZ

■ FILTER

Anti-Bacterial Filter

CZ-SA22P

CS-PS9UKZ, CS-PS12UKZ, CS-PS18UKZ, CS-PS24UKZ

■ PIPE SIZE REDUCER

Use at the indoor unit's connection port

CZ-MA1P

CS-S12TKZW, CS-MS15TKZ, CS-S18TKZW
CS-S12MB4ZW, CS-S18MB4ZW

CZ-MA3P

CS-S24TKZW
CS-MXS24UKZ
CS-S24MB4ZW
CS-MS24SD3H

■ PIPE SIZE EXPANDER

Use at the outdoor unit's connection port

CZ-MA2P

CS-S24TKZW
CS-MXS24UKZ
CS-S24MB4ZW
CS-MS24SD3H

THE SYSTEM OF MODEL NUMBERS FOR SPLIT MODELS

❶ Model Type
CS : Split Type (Indoor Unit)
CU : Split Type (Outdoor Unit)
CZ : Accessories

❷ Connection Configuration
<Indoor Unit>
W : Multi Split
<Outdoor Unit>
n : (n) Rooms Multi

❸ Function
XS : Premium Inverter
S : Deluxe Inverter
PS : Standard Inverter
MXS : Premium Inverter Multi

❹ Capacity
Value = Capacity (Btu/h) x 1/1000, e.g. 9,000 Btu/h x 1/1000 = 9

❺ Type
K : Wall-Mounted Type

CS	—		S	9	T	K	Z	W
❶			❸	❹		❺		❷
CU	—	2	S	18	P	K	Z	
❶		❷	❸	❹		❺		

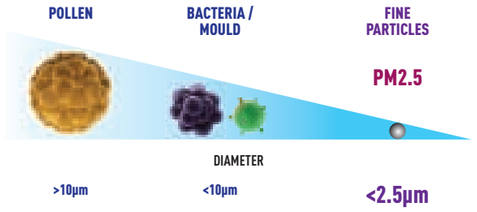
RATING CONDITIONS

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

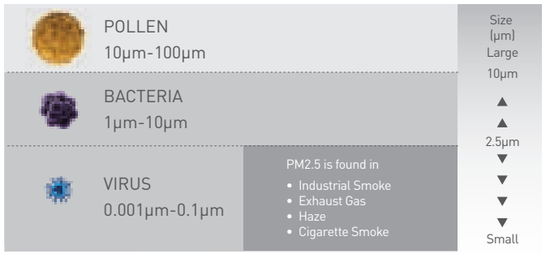
nanoe-G

What is PM2.5?

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



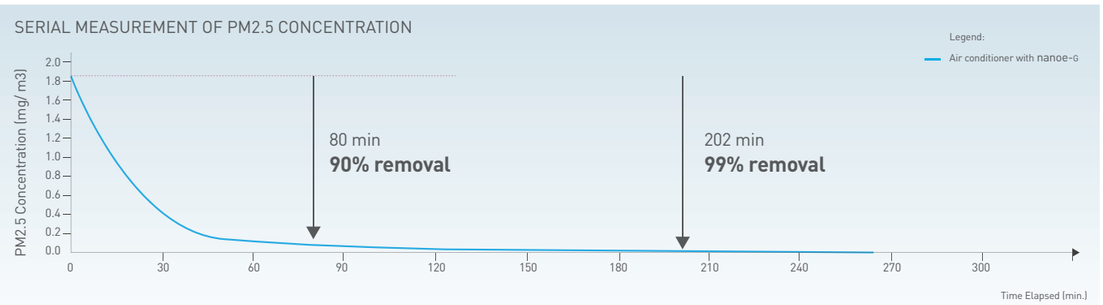
PARTICLE SIZE COMPARISON



SOURCES OF PM2.5

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

PM2.5 REMOVAL EFFICIENCY BASED ON TIME



AIRBORNE

REMOVES UP TO **99%** *1 PM2.5

*1 PM2.5 Removal was certified by FCG Research Institute, Inc

- Test Report no. : 25034
  PM2.5 : Cigarette Smoke (as PM2.5)

Effectiveness is measured on 0.3μm-2.5μm. (Specific size only)

This removal effect is not proven for all the airborne toxic substances.

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

REMOVES UP TO **99%** *2 BACTERIA VIRUSES and MOULD

*2 Airborne Removal was certified by Kitasato Research Center for Environmental Science

- KRCES-Bio. Test Report no. : 23_0182
  Bacteria : Staphylococcus aureus (NBRC 12732)
- KRCES-Env. Test Report no. : 22_0008
  Virus : Escherichia coli phage (øX-174 ATCC 13706-B1)
  : Influenza (H1N1) 2009 Virus
- KRCES-Env. Test Report no. : 23_0140
  Mould : Penicillium pinophilum (NBRC 6345)

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

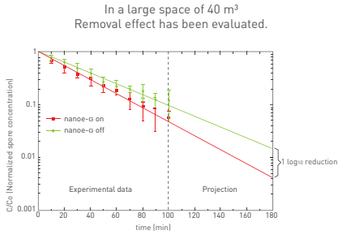
nanoe-G

The Effectiveness of nanoe-G

AIRBORNE

DATA ON REMOVAL OF AIRBORNE BACTERIA WAS PRESENTED BY HARVARD SCHOOL OF PUBLIC HEALTH RESEARCHERS AT NANO-SYMPOSIUM AT KYOTO UNIVERSITY, 2012

In a large space of 40 m³
Removal effect has been evaluated.



The effect after 100 minutes in a 40 m³ test space (about the size of a 10 tatami mats room), not the effect in a space where actually used.

"Performance evaluation of a novel ionizer for air purification applications". Dr. S. Rudnick et al. Harvard School of Public Health, Environmental Health Nanoscience Lab.

nanoe-G

A study of the removal effect of airborne bacteria by using an air-conditioner incorporating nanoe-G was carried out in a large space, and the results were presented at Nano-Symposium jointly held in September 2012 by Harvard University and Kyoto University.
Test methods: Bacteria removal method: Release of nanoe-G negative ions.
Target: Airborne bacteria, Test results: It is estimated that after three hours of operation the nanoe-G will achieve 2.7 $\log_{10}$ reductions, ~ 1 $\log_{10}$ reduction more, as compared to without nanoe-G.

AIRBORNE

TARGET SUBSTANCE	SUBSTANCE NAME	EFFECTIVENESS	TESTING INSTITUTE	TEST REPORT NO	METHOD	RESULT
PM2.5	*Cigarette Smoke* (as PM2.5)	99%	FCG Research Institute, Inc	Test Report No. 25034	The AC with nanoe-G was operated in a test room (23m³) and the concentration of PM2.5 was measured by PM2.5 Digital Dust Indicator.	99% removal from the air after 202 minutes of operation.
Bacteria	*Staphylococcus aureus* (NBRC 12732)	99%	Kitasato Research Center for Environmental Science	KRCES-Bio. Test Report No. 23_0182	The AC with nanoe-G was operated in a test room (25m³) and aerosol was collected and bacterial count was calculated.	99% removal from the air after 150 minutes of operation.
Virus	*Escherichia coli phage* (øX-174 ATCC 13706-B1)	99%	Kitasato Research Center for Environmental Science	KRCES-Env. Test Report No. 22_0008	The AC with nanoe-G was operated in a test room (25m³) and airborne phages were collected and phage count of the collected air was calculated.	99% removal from the air after 120 minutes of operation.
		99%	Kitasato Research Center for Environmental Science	KRCES-Env. Test Report No. 22_0008	nanoe-G was operated in a test chamber (200 Litre) and the phages were collected and phage count of the collected air was calculated.	99% removal from the air after 5 minutes of operation.
	Influenza (H1N1) 2009 virus	99%	Kitasato Research Center for Environmental Science	KRCES-Env. Test Report No. 22_0008	nanoe-G was operated in a test chamber (200 Litre) and the influenza viruses were collected and the virus titers were calculated by the Reed and Muench method.	99% removal from the air after 5 minutes of operation.
					In view of health hazard associated with spatial distribution of Influenza (H1N1) 2009 virus, nanoe-G removal effectiveness cannot be tested in large test room (25m³). When tested in 200 Litre chamber, nanoe-G was able to decrease Influenza (H1N1) 2009 virus (99%) when it was operated for 5 minutes. Additionally when tested in larger test room (25m³), nanoe-G can remove 99.5% of Coli phage virus when operated for 120 minutes. It was validated that evaluation on the influenza virus could be speculated from the results on the phage according to the test results in a 200 Litre test chamber. It appeared that the air-conditioners in a larger test room (25m³) would be able to remove the influenza virus as effectively as the phage.	
Mould	Penicillium pinophilum (NBRC 6345)	99%	Kitasato Research Center for Environmental Science	KRCES-Bio. Test Report No. 23_0140	The AC with nanoe-G was operated in a test room (25m³) and aerosol was collected and fungal spores count was calculated.	99% removal from the air after 90 minutes of operation.

Remark: All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

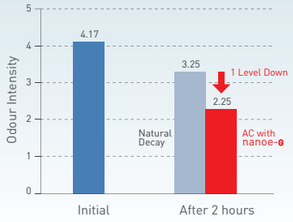
ADHESIVE

ODOUR DEODORISATION: THE ODOUR ADHERED ON THE CURTAINS AND SOFA

Decrease in odour intensity by one level after 2 hours of operation.

Test Subject:	Adhesive smell of tobacco smoke
Test Chamber:	20m³
Measurement Method:	Six-level odour intensity indication method
Test report No.:	13-1204

Odour Intensity	Degree of Smell
0	No odour
1	Barely able to detect (detection threshold)
2	Able to recognise a smell, but weak (recognition threshold)
3	Easily perceptible
4	Strong
5	Very Strong



ADHESIVE

TARGET SUBSTANCE	SUBSTANCE NAME	EFFECTIVENESS	TESTING INSTITUTE	TEST REPORT NO	METHOD	RESULT
Bacteria	*Staphylococcus aureus* (NBRC 12732)	99%	Japan Food Research Laboratories	Test Report No. 11047933001-02	The AC with nanoe-G was operated in a test space (10m³) and viable cells were counted by pour plate method.	99% inactivation after 24 hour operation of nanoe-G. (compared to the original condition/ ventilation mode)
Virus	*Bacteriophage* (Phi X 174 NBRC 103405)	99%	Japan Food Research Laboratories	Test Report No. 11073649001-02	nanoe-G was operated in a test box (90 Litre) and phage infectivity titer was determined by plaque technique.	99% inactivation after 120 minutes operation of nanoe-G. (compared to non-operation)
Mould	*Cladosporium cladosporioides* (NBRC 6348)	Inhibit Mould Growth	Japan Food Research Laboratories	Test Report No. 11047937001-02	nanoe-G was operated in a test box (1m³) and colonies on the plate were counted.	The growth of the subject was inhibited. (>85% after 7 days)
Odour	*Smell of tobacco smoke*	Decrease by one level	OMI ODOR-AIR SERVICE Co.Ltd.	Test Report No. 13-1204	The AC with nanoe-G was operated in a test room (20m³) and the deodorisation effect on a piece of cloth impregnated with odour components of cigarette smoke was evaluated using six-level odour intensity indication method.	Decrease in odour intensity by one level after 120 minutes of operation.

Remark: All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

ADHESIVE

DEACTIVATES UP TO **99%** *3 BACTERIA and VIRUSES

INHIBITS MOULD GROWTH

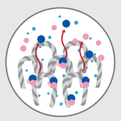
***3 Adhesive Deactivation was certified by Japan Food Research Laboratories**

- Test Report number : 11047933001-02
  Bacteria : *Staphylococcus aureus* (NBRC 12732)
- Test Report number : 11073649001-02
  Virus : Bacteriophage (Phi X 174 NBRC 103405)
- Test Report number : 11047937001-02
  Mould : *Cladosporium cladosporioides* (NBRC 6348)

All results are based on specific testing conditions.
All tests are not demonstrated under actual usage situation.

ADHESIVE ODOURS

DEODORISES ADHESIVE ODOUR (TOBACCO SMELL)



Adhesive odour deodorisation was certified by OMI ODOR-AIR SERVICE Co. Ltd.

- Test Report No. 13-1204

All results are based on specific testing conditions.
All tests are not demonstrated under actual usage situation.

nanoe-G

How Does In-filter Deactivation Work?

1. POWER "OFF"

The air-conditioner first has to be turned off.

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

2. FAN OPERATION

The fan operation will run automatically for 30 minutes with the flaps slightly open to ensure the internal components are dry and free from condensation.

Remark:
The 30-minute fan operation is only applicable when the unit has been operated in COOL /DRY mode.

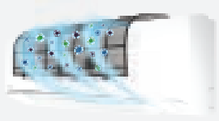
Fan Operation : On
Flap : Flaps slightly open
nanoe-G LED : On

3. nanoe-G OPERATION

Natural Ion Wind spreads nanoe-G negative ions that are released from the nanoe-G generator.

Remark:
Depending on the Air Conditioner's accumulated operation time, nanoe-G In-Filter Deactivation may be activated only once a day.

Fan Operation : Off
Flap : Closed
nanoe-G LED : On



4. DEACTIVATION EFFECT

nanoe-G deactivates bacteria and viruses that are trapped in the filter within 2 hours.

IN-FILTER DEACTIVATION

TARGET SUBSTANCE	SUBSTANCE NAME	EFFECTIVENESS	TESTING INSTITUTE	TEST REPORT NO	METHOD	RESULT
Bacteria	Staphylococcus aureus (NBRC 12732)	99%	Japan Food Research Laboratories	Test Report No. 12037932001	The test piece impregnated with Staphylococcus aureus was placed on the filter of the Air Conditioner indoor unit, and then nanoe-G was operated. After the test piece was collected, viable cells were counted. * test substance was placed on the 4 locations of the filter; upper/lower right and upper/lower left.	99% of deactivation after 2-hour nanoe-G operation.
Virus	Escherichia coli phage (øX-174 ATCC 13706-B1)	99%	Japan Food Research Laboratories	Test Report No. 12014705001	The test piece impregnated with Escherichia coli phage was placed on the filter of the Air Conditioner indoor unit, and then nanoe-G was operated. After the test piece was collected, phage infectivity titer was determined. * test substance was placed on the 4 locations of the filter; upper/lower right and upper/lower left.	99% of deactivation after 2-hour nanoe-G operation.
	Influenza (H1N1) 2009 Virus	Average 90% on filter (The percentage varies from 78.9% to 96.1% depending on its location)	Kitasato Research Center for Environmental Science	KRCES-Virus Test Report No. 24_0013	The test piece impregnated with Influenza (H1N1) 2009 Virus was placed on the filter of the Air Conditioner indoor unit, and then nanoe-G was operated. After the test piece was collected, virus infectivity titer was determined. * test substance was placed on the 4 locations of the filter; upper/lower right and upper/lower left.	Average 90% deactivation after 2-hour nanoe-G operation. (The percentage varies from 78.9% to 96.1%, depending on its location on filter)

Remark: All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

IN-FILTER DEACTIVATION

DEACTIVATES UP TO **99%** *4 BACTERIA and VIRUSES

INHIBITS MOULD GROWTH

DEACTIVATES AVERAGE UP TO **90%** INFLUENZA (H1N1) 2009 VIRUS

***4 In-Filter Deactivation was certified by Japan Food Research Laboratories**

- Test Report number : 12037932001
  Bacteria : Staphylococcus aureus (NBRC 12732)
- Test Report number : 12014705001
  Virus : Escherichia coli phage (øX-174 ATCC 13706-B1)

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

In-Filter Deactivation was certified by Kitasato Research Center for Environmental Science

- Test Report number : KRCES-Virus Test Report No. 24_0013
  Virus : Influenza (H1N1) 2009 Virus

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

FEATURES COMPARISON

Split Type	PREMIUM Inverter		DELUXE Inverter		STANDARD Inverter		Inverter Multi-Split			
	Wall-Mounted								Mini Cassette	Slim Ducted
Cooling Models	CS-XS9RKZW CS-XS12RKZW	CS-XS18RKZW CS-XS24RKZW CS-XS28RKZ	CS-S9TKZW CS-S12TKZW	CS-S18TKZW CS-S24TKZW CS-S28TKZ	CS-PS9UKZ CS-PS12UKZ	CS-PS18UKZ CS-PS24UKZ	CS-MXS9UKZ CS-MXS12UKZ CS-MXS15UKZ CS-MXS18UKZ CS-MXS24UKZ	CS-S9TKZW CS-S12TKZW CS-MS15TKZ CS-S18TKZW CS-S24TKZW	CS-S12MB4ZW CS-S18MB4ZW CS-S24MB4ZW	CS-MS9SD3H CS-MS12SD3H CS-MS18SD3H CS-MS24SD3H
COMFORT										
ECONAVI	●	●	●	●			●	●		
Temperature Wave	●	●	●	●			●	●		
AUTOCOMFORT	●	●					●	●		
SLEEP			●	●	●	●		●		
Inverter Control	●	●	●	●	●	●	●	●	●	●
Quiet Mode	●	●	●	●	●	●	●	●	●	●
Powerful Mode	●	●	●	●	●	●	●	●	●	●
Soft Dry Operation Mode	●	●	●	●	●	●	●	●	●	●
Personal Airflow Creation	●	●	●	●			●	●		
Airflow Direction Control (Up & Down)					●	●			●	
Manual Horizontal Airflow Direction Control					●	●				
Automatic Operation Mode	●	●	●	●	●	●	●	●	●	●
CLEANER AIR										
nanoe-G	●	●	●	●			●	●		
Anti-Bacterial Filter					●	●				
Odour-Removing Function	●	●	●	●	●	●	●	●	●	●
Removable, Washable Panel	●	●	●	●	●	●	●	●	●	
One-touch Air Filter									●	
CONVENIENCE										
24-Hour Dual ON & OFF Real Setting Timer	●	●	●	●			●	●		●
24-Hour ON & OFF Real Setting Timer					●	●			●	
LCD Wireless Remote Control	●	●	●	●	●	●	●	●	●	●
Wired Remote Control	● (Optional)	● (Optional)	● (Optional)	● (Optional)	● (Optional)	● (Optional)	● (Optional)	● (Optional)		
RELIABILITY										
Random Auto Restart (32 Restart Patterns)	●	●	●	●	●	●	●	●	●	●
Blue Fin Condenser	●	●	●	●	●	●	●	●	●	●
Long Piping (Numbers indicate the maximum pipe length)	15m	20m (XS18) 30m (XS24/28)	15m	30m (S18/28) 20m (S24)	15m	20m (PS24) 30m (PS18)	**Refer Page 34**	Refer Page 42	Refer Page 34	Refer Page 34
Top-Panel Maintenance Access	●	●	●	●	●	●	●	●	●	●
Self-Diagnostic Function	●	●	●	●	●	●	●	●	●	●

FEATURES EXPLANATION

COMFORT

ECONAVI
Detects and reduces waste for more energy savings.

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

AUTOCOMFORT
Detects high activity levels and adjusts cooling power to improve comfort.

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

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

QUIET MODE

POWERFUL MODE

SOFT DRY OPERATION MODE
Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.

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

AIRFLOW DIRECTION CONTROL (UP & DOWN)

MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL

AUTOMATIC OPERATION MODE

CLEANER AIR

nanoe-G
nanoe-G works effectively on airborne particles including PM2.5, adhesive and in-filter micro-organisms such as bacteria, viruses and mould ensuring a cleaner living environment.

ANTI-BACTERIAL FILTER
The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacteria protection to provide clean air.

ODOUR-REMOVING FUNCTION
With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed.

The unit must be in cool or dry mode and the fan speed must be set to automatic.

REMOVABLE, WASHABLE PANEL

ONE-TOUCH AIR FILTER

CONVENIENCE

24-HOUR DUAL ON & OFF REAL SETTING TIMER
This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.

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

LCD WIRELESS REMOTE CONTROL

WIRED REMOTE CONTROL

RELIABILITY

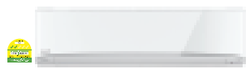
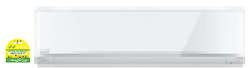
RANDOM AUTO RESTART
(Random)

LONG PIPING

BLUE FIN CONDENSER

TOP-PANEL MAINTENANCE ACCESS

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

Capacity (Btu/h)	9,000	12,000	18,000	24,000	28,000	
	PREMIUM INVERTER		PREMIUM INVERTER WIDE	PREMIUM INVERTER WIDE		FEATURES
Wall-Mounted **PREMIUM INVERTER SINGLE-SPLIT** Page 24-25	 **CS-XS9RKZW** (CU-XS9RKZ)	 **CS-XS12RKZW** (CU-XS12RKZ)	 **CS-XS18RKZW** (CU-XS18RKZ)	 **CS-XS24RKZW** (CU-XS24RKZ)	 **CS-XS28RKZ** (CU-XS28RKZ)	nanoe AEROWINGS INVERTER ECONAVI
	DELUXE INVERTER		DELUXE INVERTER WIDE			FEATURES
Wall-Mounted **DELUXE INVERTER SINGLE-SPLIT** Page 26-27	 **CS-S9TKZW** (CU-S9TKZ)	 **CS-S12TKZW** (CU-S12TKZ)	 **CS-S18TKZW** (CU-S18TKZ)	 **CS-S24TKZW** (CU-S24TKZ)	 **CS-S28TKZ** (CU-S28TKZ)	nanoe AEROWINGS INVERTER ECONAVI
	STANDARD INVERTER		STANDARD INVERTER WIDE			FEATURES
Wall-Mounted **STANDARD INVERTER SINGLE-SPLIT** Page 28	 **CS-PS9UKZ** (CU-PS9UKZ)	 **CS-PS12UKZ** (CU-PS12UKZ)	 **CS-PS18UKZ** (CU-PS18UKZ)	 **CS-PS24UKZ** (CU-PS24UKZ)		BIG FLAP INVERTER
	PREMIUM INVERTER		PREMIUM INVERTER WIDE			FEATURES
Wall-Mounted **PREMIUM INVERTER MULTI-SPLIT** Page 30-39	 **CS-MXS9UKZ** (CU-2XS20UKZ), (CU-3XS27UKZ) (CU-4XS30UBZ), (CU-4XS34UBZ)	 **CS-MXS12UKZ** (CU-2XS20UKZ), (CU-3XS27UKZ) (CU-4XS30UBZ), (CU-4XS34UBZ)	 **CS-MXS18UKZ** (CU-3XS27UKZ) (CU-4XS30UBZ), (CU-4XS34UBZ)	 **CS-MXS24UKZ** (CU-4XS30UBZ), (CU-4XS34UBZ)		nanoe AEROWINGS INVERTER ECONAVI
	DELUXE INVERTER		DELUXE INVERTER WIDE			FEATURES
Wall-Mounted **DELUXE INVERTER MULTI-SPLIT** Page 40-46	 **CS-S9TKZW** (CU-2S18PKZ), (CU-3S27MKZ) (CU-3S27KKZ), (CU-4S27NKZ)	 **CS-S12TKZW** (CU-2S18PKZ), (CU-3S27MKZ) (CU-3S27KKZ), (CU-4S27NKZ)	 **CS-S18TKZW** (CU-3S27MKZ) (CU-3S27KKZ), (CU-4S27NKZ)	 **CS-S24TKZW** (CU-3S27KKZ)		nanoe AEROWINGS INVERTER ECONAVI
	MINI CASSETTE		MINI CASSETTE			FEATURES
Mini Cassette **MINI CASSETTE INVERTER MULTI-SPLIT** Page 31-39, 40-46		 **CS-S12MB4ZW** (CU-3S27KKZ), (CU-4XS30UBZ) (CU-4XS34UBZ)	 **CS-S18MB4ZW** (CU-3S27KKZ), (CU-4XS30UBZ) (CU-4XS34UBZ)	 **CS-S24MB4ZW** (CU-3S27KKZ), (CU-4XS30UBZ) (CU-4XS34UBZ)		INVERTER
	SLIM DUCTED		SLIM DUCTED			FEATURES
Slim Ducted **SLIM DUCTED INVERTER MULTI-SPLIT** Page 31-39	 **CS-MS9SD3H** (CU-4XS30UBZ), (CU-4XS34UBZ)	 **CS-MS12SD3H** (CU-4XS30UBZ), (CU-4XS34UBZ)	 **CS-MS18SD3H** (CU-4XS30UBZ), (CU-4XS34UBZ)	 **CS-MS24SD3H** (CU-4XS30UBZ), (CU-4XS34UBZ)		INVERTER

( ): Outdoor Unit Cooling Models