Panasonic
BUSINESS

Building Passion,
Building Solutions.
Multi-Split Air Conditioners
2016/2017

⚠ 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.

**Panasonic Appliances Air Conditioning
System Engineering Malaysia (PAPASEMY)**
Unit T2-L08-1B, Level 8, Tower 2, Jaya33,
Jalan Semangat, Seksyen 13,
46100 Petaling Jaya,
Selangor Darul Ehsan, Malaysia.
Tel : 03-7956 4188
Fax : 03-7954 2400

Authorized Dealer

Panasonic
BUSINESS
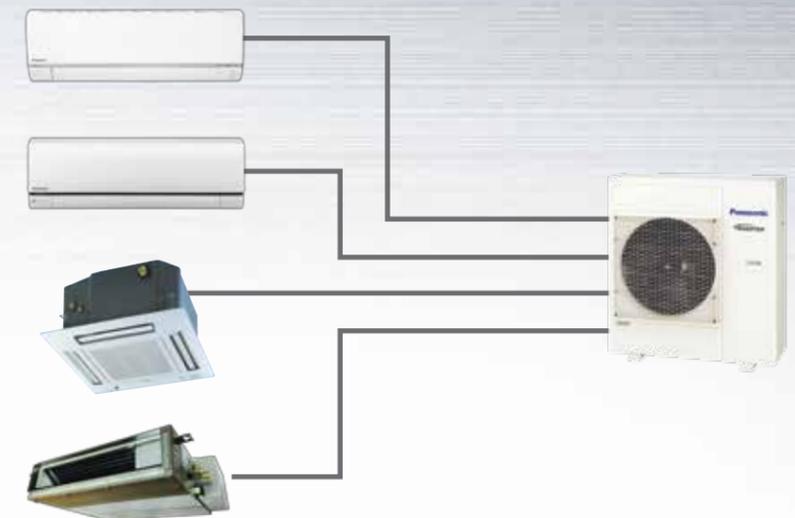
Building Passion, Building Solutions.

Panasonic Air Conditioning Systems

INDEX

Wall-Mounted

Panasonic Wall-Mounted types are suitable for residential. These air conditioners giving you greater comfort and energy savings.
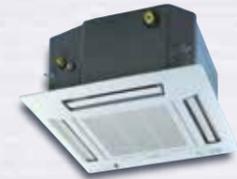
Mini Cassette

Panasonic Mini Cassette types are compact in size and particularly suitable for small to medium-sized offices and restaurants.

Slim Ducted

Panasonic Slim Ducted types are available in middle static pressure power. These air conditioners are suitable for applications in concealed or false ceilings such as business centers.

Range of Indoor Units

Capacity		2.8kW	3.2kW	4.0kW	5.0kW	6.0kW	7.0kW
Wall-Mounted (Deluxe Type)	INVERTER ECONAVI nanoe-G	CS-MS9SKH-1	CS-MS12SKH-1	CS-MS15SKH-1	CS-MS18SKH-1	CS-MS24SKH-1	CS-MS28SKH-1
Wall-Mounted (Standard Type)	INVERTER	CS-MPS9SKH-1	CS-MPS12SKH-1	CS-MPS18SKH-1	CS-MPS18SKH-1	CS-MPS24SKH-1	
Mini Cassette	INVERTER		CS-S12MB4Z		CS-S18MB4Z	CS-S24MB4Z	
Slim Ducted	INVERTER	CS-MS9SD3H-1	CS-MS12SD3H-1		CS-MS18SD3H-1	CS-MS24SD3H-1	

INTELLIGENT ECO SENSORS

ECONAVI + *INVERTER*

ECONAVI AND INVERTER
WORK HARD
TO SAVE ENERGY

With a Human Activity Sensor and Sunlight Sensor, ECONAVI and INVERTER can monitor human location, movement, absence and sunlight intensity to use energy more efficiently.

ECONAVI SAVES YOU ENERGY BECAUSE IT KNOWS:

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 rhythmic temperature control after detecting low activity level.

HUMAN ACTIVITY SENSOR

SUNLIGHT SENSOR

SUNLIGHT DETECTION

HUMAN ACTIVITY DETECTION

* Econavi only applicable for CS-MS9 / 12 / 15 / 18 / 24 / 28SKH-1.

HOW DOES
HUMAN ACTIVITY DETECTION
WORK?

ECONAVI monitors activity and room conditions to detect where energy is normally wasted, then adjusts cooling power accordingly. With Intelligent Eco Sensors, it adjusts to changes in human movement, activity levels, absence and sunlight intensity. With a touch of a button, 5 energy saving features get activated:

ACTIVITY DETECTION

ECONAVI detects changes in activity levels and reduces the waste of cooling with unnecessary power.

Energy Wasted!

DETECT
Level of activity is decreased.
Detects low activity.

Waste Reduced!

ADJUSTED
Reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.
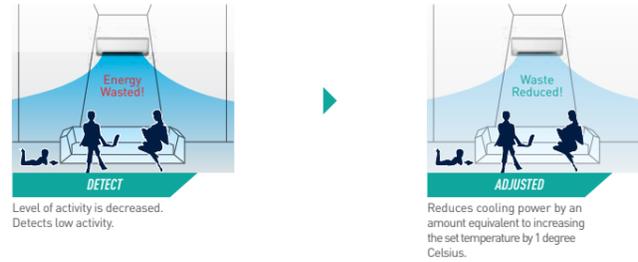
ABSENCE DETECTION

ECONAVI detects human absence in the room and reduces the waste of cooling an empty room.

Energy Wasted!

DETECT
No one is in the room.
Detects absence.

Waste Reduced!

ADJUSTED
Gradually reduces cooling power by an amount equivalent to increasing the set temperature by 2 degrees Celsius.
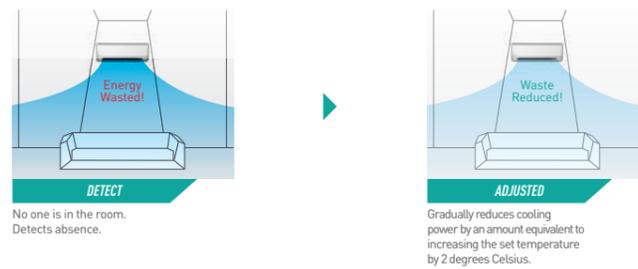
AREA SEARCH

ECONAVI detects changes in human movements and reduces the waste of cooling the unoccupied area of the room.

Energy Wasted!

DETECT
Only one person in the room.
Detects wasted cooling area.

Waste Reduced!

ADJUSTED
Reduces cooling the unoccupied area of the room.

TEMPERATURE WAVE

ECONAVI with Temperature Wave incorporates a unique pattern of Temperature Shifting Control to realise even more energy savings without sacrificing comfort.

WHEN ECONAVI DETECTS LOW ACTIVITY

+1°C
Set Temperature

Time (min)   0   10   20   30   40   50   60   70   80   90   100   110   120   140

Legend: ····· Set Temperature   —— Cooling Power

Offset Thermal Physiological Response

Average Room Temperature (Degree Celsius)

Rhythmic	Moderate temperature increase
Result : More Energy Saving	

Thermal Sensation Votes (Mean Votes)

Rhythmic	-0.1
Result : Maintain within the comfortable range *	

Remark: Set temperature on remote control display remains unchanged.
Temperature Wave is only applicable to Inverter deluxe cooling models.
Temperature Wave works either in ECONAVI or Autocomfort mode during low activity.

HOW DOES ECONAVI HUMAN ACTIVITY WORK?

ECONAVI

	PRESENT			ABSENT	
	Enter Room	Low	High	Normal	Exit Room	Out

Low Activity Detection

Human Presence/Absence

+2°C
Set Temperature
-1°C

20 mins   +1°C   20 mins   +2°C
1 Hour

Fan Speed   Set Speed   Max Medium Fan

Cooling

Legend:
····· Set Temperature   —— Cooling Power

Remark: Set temperature on remote control display remains unchanged.
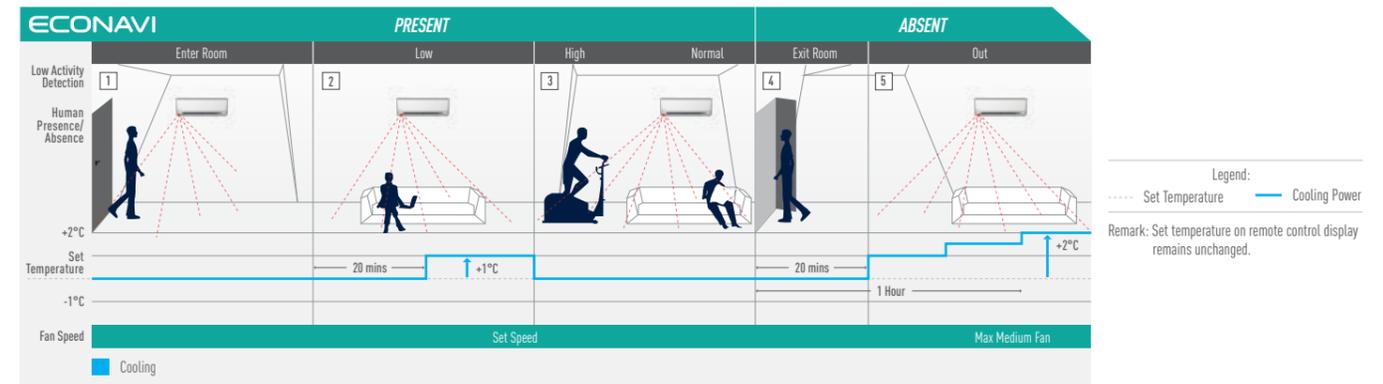
HUMAN ACTIVITY SENSOR

ECONAVI DUAL SENSOR

ECONAVI dual sensor consists of High Precision Sensor and Fresnel Lens. These sensors can detect wasted energy and automatically select an optimum energy-saving operation based on 5 factors – Activity Detection, Absence Detection, Area Search, Temperature Wave and Sunlight Detection.

High Precision Sensor
This high precision sensor analyses and judges the detected infrared ray reaction.

Fresnel Lens
This optimal design directs the infrared rays from the entire room to the sensor.

Panasonic
INVERTER
dual sensor

DETECTING HUMAN PRESENCE

Difference in temperatures ✗	Difference in temperatures ✗	Difference in temperatures ✓
Movement ✗	Movement ✗	Movement ✓

When there is no movement for over 20min.

Concludes nobody is present	Concludes nobody is present	Concludes somebody is present

DETERMINING THE LEVEL OF HUMAN ACTIVITY

Scale	Frequency	Speed of Movement

A highly precise conclusion is reached through a complex algorithm

High	Normal

Concludes Level of Activity High or Normal

* Only applicable for CS-MS 9 / 12 / 15 / 18 / 24 / 28SKH-1.

INTELLIGENT ECO SENSORS
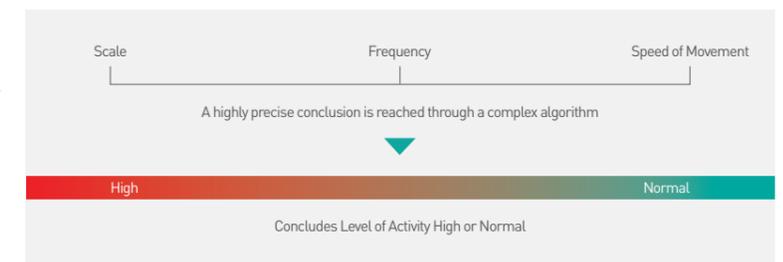
ECONAVI

HIGH-PRECISION SENSING

All objects emit infrared rays, which although invisible, can be detected as heat by ECONAVI's Human Activity Sensor if it is within the detection zone. When an object moves within its detection zone, ECONAVI compares the object's temperature with the room temperature to determine if it is human, and level of activity based on its movement.

COVERAGE CAPABILITIES

Human Activity Sensor covers a wider area due to its improved area detection function.

THE ENTIRE ROOM IS DIVIDED INTO 3 DETECTION AREAS

HORIZONTAL SENSING AREA

VERTICAL SENSING AREA

7m

2m

120°

7m

Remark: Applicable for dual sensor.
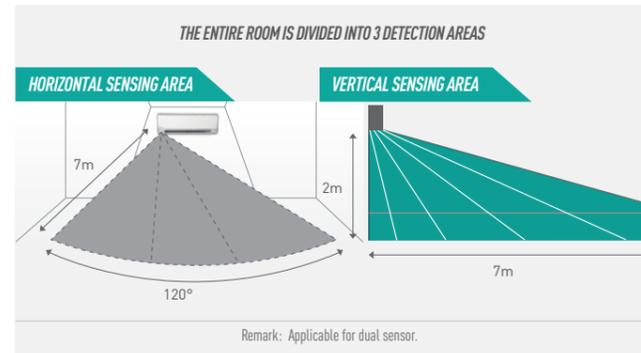
DIFFERENTIATING OBJECTS

OBJECTS	DIFFERENCE IN TEMPERATURE	+ MOVEMENT	DETECTION
Eletrical Products	☑	☒	Concludes it is not human
Small Insects	☑	☑	Concludes it is not human Both changes may be detected, but they are too small to have any effect on the sensor.
A Rolling Ball	☒	☑	Concludes it is not human
Pets	☑	☑	Concludes it is not human* From the difference in temperatures and the nature of the object's movement, ECONAVI can determine if it's human*. *The sensor may deem pets as humans, unless it moves within the detection zone at speeds that are not humanly possible.

HOW DOES SUNLIGHT DETECTION WORK?

ECONAVI detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces the waste of cooling under less sunlight conditions.

Set Temperature 23°C

SUNNY

ECONAVI is switched on when it is SUNNY.

Set Temperature 23°C

Energy Wasted!

DETECT

ECONAVI detects less cooling power is required.

Set Temperature 24°C

Waste Reduced!

REDUCE WASTE

Set temperature remains unchanged. ECONAVI reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.
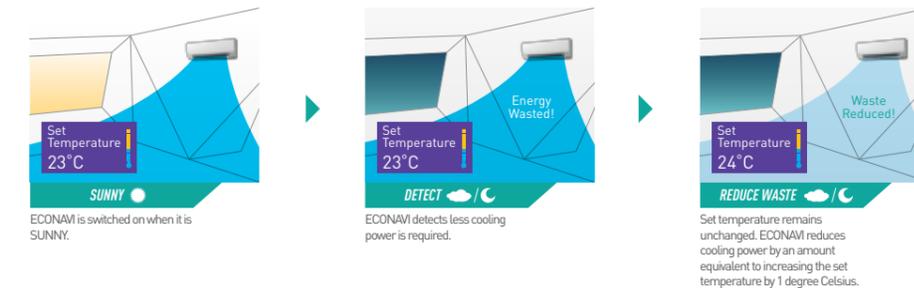
When weather changes from sunny to cloudy/night, ECONAVI detects less sunlight intensity and determines less cooling power is required. If cooling power remains the same, energy will be wasted. ECONAVI detects this waste and reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.

HOW DOES ECONAVI SUNLIGHT SENSOR WORK?

SUNNY WHEN ECONAVI IS SWITCHED ON

	SUNNY	CLOUDY / NIGHT	SUNNY

Shift Speed 0.33deg/ 20min

+2°C

Set Temperature

-1°C

+1°C

1 Hour

20 mins

1 Hour

20 mins

Judgement time

Legend:
Set Temperature
Cooling Power

Remark: Set temperature on remote control display remains unchanged.

CLOUDY / NIGHT WHEN ECONAVI IS SWITCHED ON

	CLOUDY / NIGHT	SUNNY	CLOUDY / NIGHT

+2°C

Set Temperature

-1°C

30 mins

1 Hour

20 mins

Judgement time

Legend:
Set Temperature
Cooling Power

Remark: Set temperature on remote control display remains unchanged.

Remark: When ECONAVI is switched on during cloudy/night, the temperature will be maintained at the set temperature. Only when the sensor detects a change from sunny to cloudy/night, it will adjust cooling power accordingly.

* Only applicable for CS-MS 9 / 12 / 15 / 18 / 24 / 28SKH-1.

HOW DOES SHOWER COOLING WORK?

NEW AEROWINGS

INNER FLAP
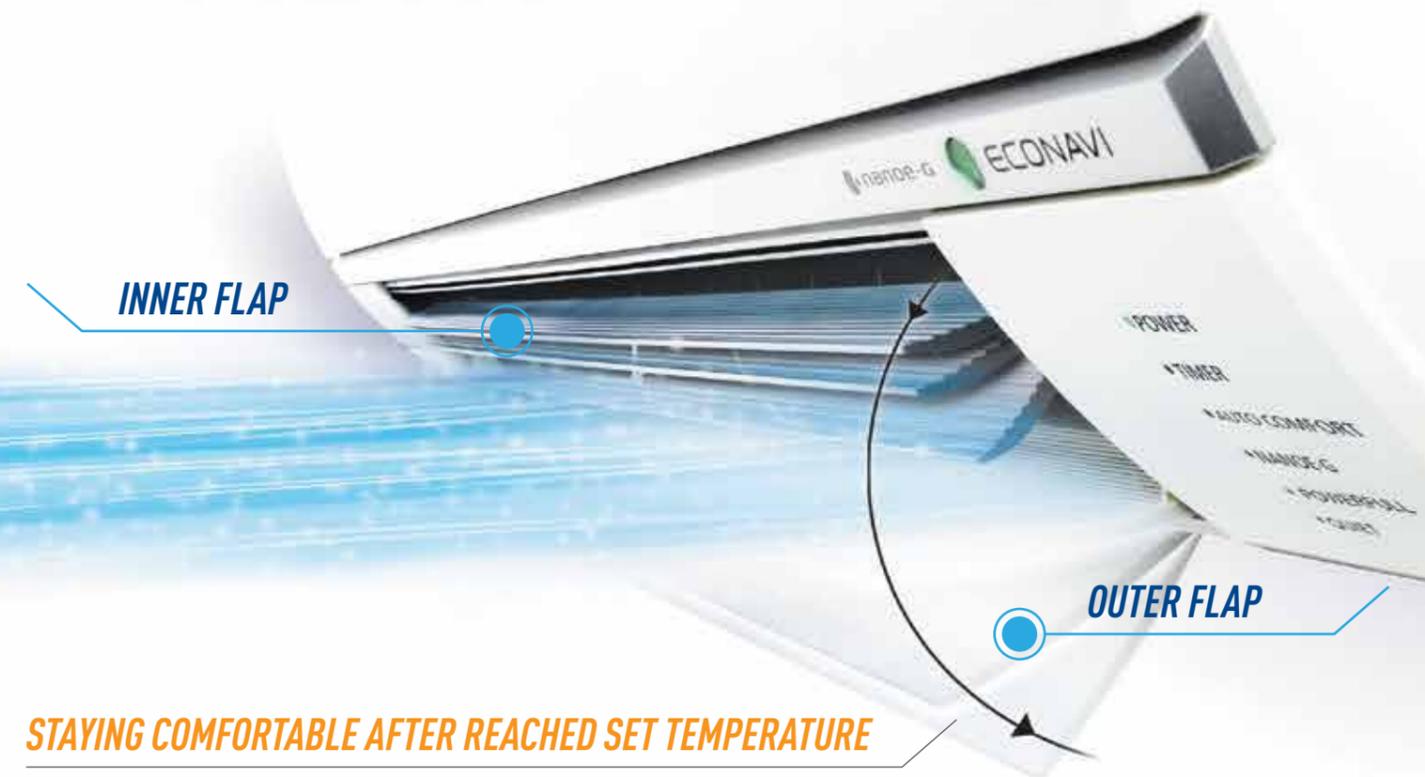
OUTER FLAP

DISPERSED AIRFLOW

AEROWINGS automatically adjusts the inner and outer flap so that airflow is directed upwards along the ceiling.

SHOWER COOLING

Cool air then showers down naturally and spreads over a wider area of room.
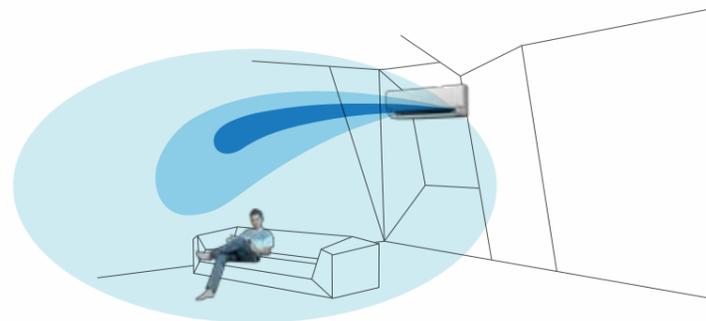
STAYING COMFORTABLE AFTER REACHED SET TEMPERATURE

After reaching set temperature, the twin flaps direct airflow towards the ceiling activating the Shower Cooling effect for more comfortable cooling.

CONTINUOUS DIRECT AIRFLOW AFTER REACHING SET TEMPERATURE

If direct airflow continues, you may start to feel too cold.

INDIRECT AIRFLOW AFTER REACHING SET TEMPERATURE

After reaching the set temperature, the twin flaps direct air towards the ceiling to create the Shower Cooling effect. Then, Human Activity Sensor detects the level of activity to keep you comfortable.

NEW DESIGN

PKZ (2014)

HOT AIR INTAKE
214mm

BIG INTAKE

RKZ (2015)

MORE HOT AIR INTAKE
236mm

BIGGER INTAKE

Panasonic Air Conditioners feature a new intake grille which is 22 mm wider and improved indoor fan speed that goes up to a super-high fan speed at start up. The new chassis design generates bigger air volume that contributes to faster cooling.
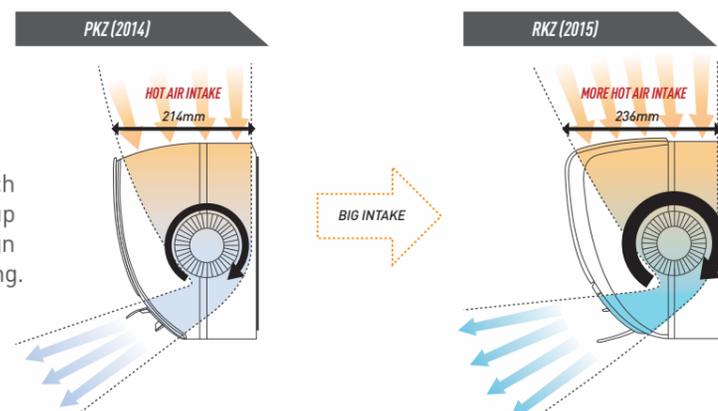
HONEYCOMB INTAKE GRILLE

New Honeycomb Intake Grille has a wider opening to increase the suction of hot air from the room so that the room can be cooled faster. The stronger honeycomb structure also offers the air conditioner better protection.

HOT AIR INTAKE
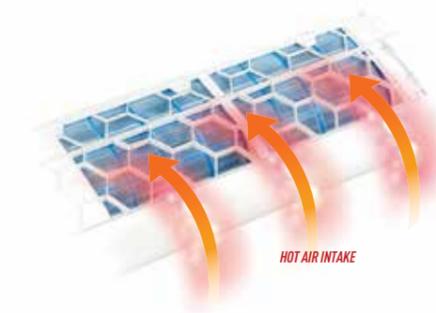
*AEROWING only applicable for CS-MS9 / 12 / 15 / 18 / 24 / 28SKH-1.

nanoe-G

PURIFIES AIR IN YOUR HOME
DOWN / TO THE
SMALLEST DETAIL

nanoe-G releases 3 trillion of fine particles to clean the air in your home environment for fresher and cleaner living.

1 REMOVAL OF AIRBORNE PARTICLES

*nanoe-G can effectively remove up to 99% of PM2.5*1 and airborne particles*2 such as bacteria, viruses and mould.*

*1 & *2 Please refer to page 16 - 17

2 DEACTIVATION OF ADHESIVE MICRO-ORGANISMS AND
NEW DEODORISATION OF ADHESIVE ODOURS

*nanoe-G particles are able to deactivate up to 99% *3 of bacteria, viruses and inhibit mould growth that settles on surfaces around you. The odours adhered on the curtains and sofa are deodorised.*

*3 Please refer to page X

3 IN-FILTER DEACTIVATION

*With In-Filter Deactivation, nanoe-G deactivates 99% *4 of bacteria and viruses trapped inside the filter.*

*4 Please refer to page X & X

*Only applicable for CS-MS9 / 12 / 15 / 18 / 24 / 28SKH-1.

1 AIRBORNE

99%*1 PM2.5, Bacteria, Viruses & Mould Removal

Removal of airborne particles, even those smaller than 2.5 micrometers in size (PM2.5).

Airborne particles:
PM2.5 | Bacteria | Viruses | Mould

3 IN-FILTER DEACTIVATION

99%*4 Bacteria & Viruses Deactivation

Deactivates bacteria and viruses trapped in the filter.

nanoe-G catches airborne particles

2 ADHESIVE

99%*3 Bacteria & Viruses Deactivation

Deactivates adhesive micro-organisms and deodorises adhesive odours.

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

3 trillion* nanoe-G fine particles released from the generator.

Natural Ion Wind spreads nanoe-G fine particles that are released from the nanoe-G generator.

Mechanism
Odour Particle
nanoe-G
Strike Odour Particles → Decompose and Remove Odour

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.

POLLEN	BACTERIA / MOULD	FINE PARTICLES
		PM2.5

DIAMETER

>10μm	<10μm	<2.5μm
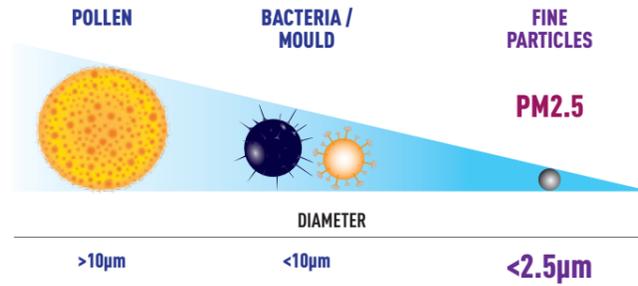
PARTICLE SIZE COMPARISON

PARTICLE SIZE COMPARISON

		Size (μm)
POLLEN 10μm-100μm		**Large** 10μm
BACTERIA 1μm-10μm		▲ ▲ 2.5μm
VIRUS 0.001μm-0.1μm	**PM2.5 is found in** • Industrial Smoke • Exhaust Gas • Haze • Cigarette Smoke	▼ ▼ ▼ ▼ ▼ ▼ **Small**

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

SERIAL MEASUREMENT OF PM2.5 CONCENTRATION

Legend:
— Air conditioner with nanoe-G

PM2.5 Concentration (mg/ m3)

Time Elapsed (min.)

80 min
90% removal

202 min
99% removal
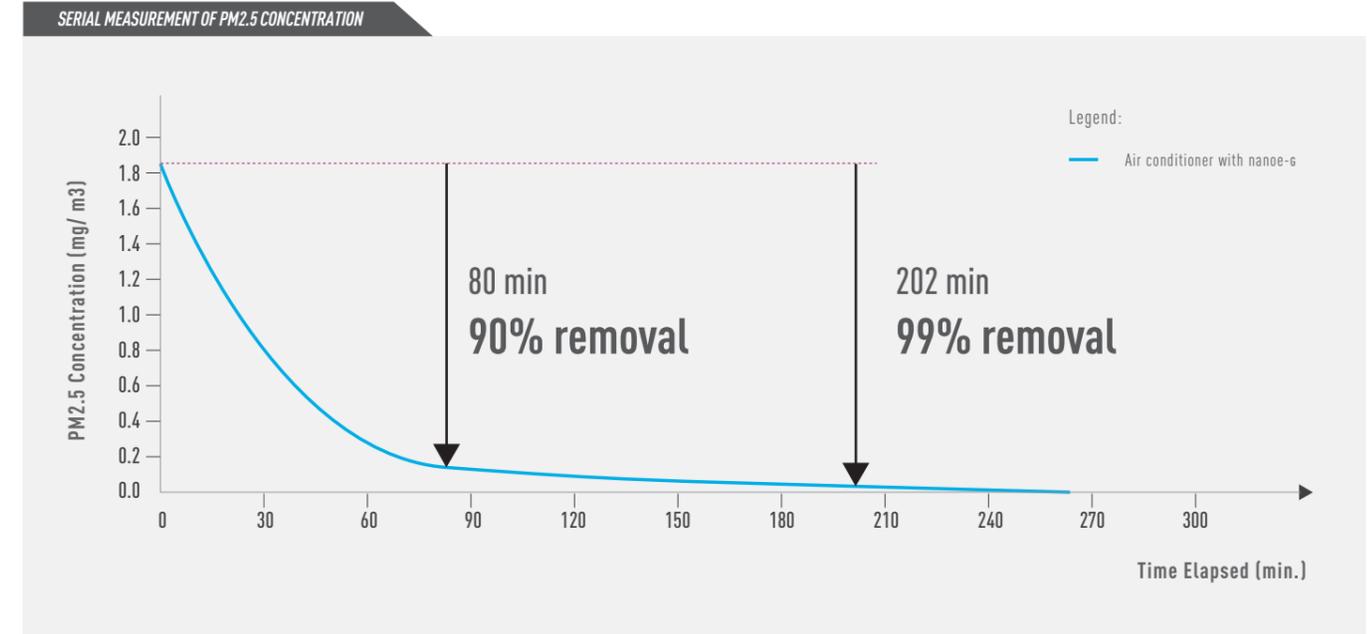
REMOVES
99%*1
PM2.5

REMOVES
99%*2
BACTERIA VIRUSES and MOULD

AIRBORNE

*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.

*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.

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-S10RKH-1

BIG SPACE SAVINGS!

CU-4S27SBH-1

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.

STANDARD TYPE WALL MOUNTED

INVERTER

Wireless

Wired (Optional)

CS-MPS9SKH-1 (2.8kW) / CS-MPS12SKH-1 (3.2kW) / CS-MPS15SKH-1 (4.0kW)

CS-MPS18SKH-1 (5.0kW) / CS-MPS24SKH-1 (6.0kW)

COOLING MODELS

MINI CASSETTE

INVERTER

Panel CZ-BT20E

Wireless

CS-S12MB4Z (3.2kW) / CS-S18MB4Z (5.0kW) / CS-S24MB4Z (6.0kW)

COOLING MODELS

DELUXE TYPE WALL MOUNTED

INVERTER

ECONAVI

nanoe-G

Wireless

Wired (Optional)

CS-MS9SKH-1 (2.8kW) / CS-MS12SKH-1 (3.2kW) / CS-MS15SKH-1 (4.0kW)

CS-MS18SKH-1 (5.0kW) / CS-MS24SKH-1 (6.0kW) / CS-MS28SKH-1 (7.0kW)

COOLING MODELS

SLIM DUCTED

INVERTER
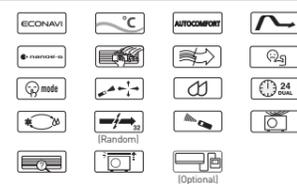
Wireless

Wired (Optional)

CS-MS9SD3H-1 (2.8kW) / CS-MS12SD3H-1 (3.2kW) / CS-MS18SD3H-1 (5.0kW) / CS-MS24SD3H-1 (6.0kW)

COOLING MODELS

Models — CU-2S18SKH-1 | Indoor Units: Possible Combination Patterns (Must be within capacity range)

2 Rooms	Blue Fin Condenser

Port A 2.8 or 3.2
Port B 2.8 or 3.2

• It is possible to have a combination of wall-mounted models (CS-MS9 & 12SKH-1 & MPS9 & 12SKH-1) and Slim Ducted (CS-MS9 & 12D3H-1) for the (CU-2S18SKH-1) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

Models — CU-3S27SBH-1 | Indoor Units: Possible Combination Patterns (Must be within capacity range)

3 Rooms	Blue Fin Condenser

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-MS9, 12, 15, 18SKH-1 & MPS9, 12, 15, 18SKH-1) and mini cassette (CS-S12, 18MB4Z) and Slim Ducted (CS-MS9, 12, 18SD3H-1) for the (CU-3S27SBH-1) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

Models — CU-3S28SBH-1 | Indoor Units: Possible Combination Patterns (Must be within capacity range)

3 Rooms	Blue Fin Condenser

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-MS9, 12, 15, 18, 24SKH-1 & MPS9, 12, 15, 18, 24SKH-1) and mini cassette (CS-S12, 18, 24MB4Z) and Slim Ducted (CS-MS9, 12, 18SD3H-1) for the (CU-3S28SBH-1) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

Models — CU-4S27SBH-1 | Indoor Units: Possible Combination Patterns (Must be within capacity range)

4 Rooms	Blue Fin Condenser

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-MS9, 12, 15, 18SKH-1 & MPS9, 12, 15, 18SKH-1) and mini cassette (CS-S12, 18MB4Z) and Slim Ducted (CS-MS9, 12, 18SD3H-1) for the (CU-4S27SBH-1) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

Models — CU-4S34SBH-1 | Indoor Units: Possible Combination Patterns (Must be within capacity range)

4 Rooms	Blue Fin Condenser

Port A 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0
Port B 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0
Port C 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0
Port D 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0

• It is possible to have a combination of wall-mounted models (CS-MS9, 12, 15, 18, 24, 28SKH-1 & MPS9, 12, 15, 18, 24SKH-1) and mini cassette (CS-S12, 18, 24MB4Z) and Slim Ducted (CS-MS9, 12, 18SD3H-1) for the (CU-4S34SBH-1) Outdoor Unit Ports.
• A minimum of 2 indoor units must be connected.

SPECIFICATIONS - INDOOR (Deluxe Wall Mounted)

MODEL			CS-MS9SKH-1	CS-MS12SKH-1
Operation			1-Unit	1-Unit
Cooling Capacity		Btu/h	9,550	10,900
		kW	2.80	3.20
Electrical Data	Voltage	V	220 – 240	220 – 240
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	41 / 29	44 / 32
Moisture Removal		L/h	1.6	1.8
Air Circulation (Indoor/Hi)		m³/min.	11.2	12.6
		cfm	395	445
Fan Output		W	40	40
Dimensions	Height	mm	296	296
	Width	mm	870	870
	Depth	mm	236	236
Net Weight Indoor		kg	9	9
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52
Power Supply			Outdoor	Outdoor

SPECIFICATIONS - INDOOR (Deluxe Wall Mounted)

MODEL			CS-MS15SKH-1	CS-MS18SKH-1	CS-MS24SKH-1	CS-MS28SKH-1
Operation			1-Unit	1-Unit	1-Unit	1-Unit
Cooling Capacity		Btu/h	13,600	17,100	20,500	23,900
		kW	4.00	5.00	6.00	7.00
Electrical Data	Voltage	V	220 – 240	220 – 240	220 – 240	220 – 240
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	45 / 32	47 / 38	48 / 39	48 / 39
Moisture Removal		L/h	2.3	2.7	3.3	3.9
Air Circulation (Indoor/Hi)		m³/min.	13.3	17.6	17.9	18.4
		cfm	470	620	630	650
Fan Output		W	40	40	40	40
Dimensions	Height	mm	296	296	296	296
	Width	mm	870	1,070	1,070	1,070
	Depth	mm	236	241	241	241
Net Weight Indoor		kg	9	12	12	12
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.7	ø 12.7
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

SPECIFICATIONS - INDOOR (Standard Wall Mounted)

MODEL			CS-MPS9SKH-1	CS-MPS12SKH-1	CS-MPS15SKH-1	CS-MPS18SKH-1	CS-MPS24SKH-1
Operation			1-Unit	1-Unit	1-Unit	1-Unit	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	220 - 240	220 - 240	220 - 240	220 - 240
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	40 / 29	44 / 32	45 / 32	47 / 38	48 / 39
Moisture Removal		L/h	1.6	1.8	2.3	2.7	3.3
Air Circulation (Indoor/Hi)		m³/min.	10.1	10.9	11.2	18.1	18.5
		cfm	355	385	395	640	655
Fan Output		W	24	24	24	40	40
Dimensions	Height	mm	290	290	290	290	290
	Width	mm	870	870	870	1,070	1,070
	Depth	mm	214	214	214	240	240
Net Weight Indoor		kg	9	9	9	12	12
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52	ø 12.7
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor

SPECIFICATIONS - INDOOR (Slim Ducted)

MODEL			CS-MS9SD3H-1	CS-MS12SD3H-1	CS-MS18SD3H-1	CS-MS24SD3H-1
Operation			1-Unit	1-Unit	1-Unit	1-Unit
Cooling Capacity		Btu/h	9,550	10,900	17,100	20,500
		kW	2.80	3.20	5.00	6.00
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	35 / 28	35 / 28	41 / 30	41 / 30
Air Circulation (Indoor/Hi)		m³/min.	13.2	13.2	15.5	15.5
		cfm	465	465	545	545
Dimensions	Height	mm	200	200	200	200
	Width	mm	750	750	750	750
	Depth	mm	640	640	640	640
Net Weight Indoor		kg	19	19	19	19
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 12.7
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

SPECIFICATIONS - INDOOR (Mini Cassette)

MODEL			MINI CASSETTE		
			CS-S12MB4Z	CS-S18MB4Z	CS-S24MB4Z
Operation			1-Unit	1-Unit	1-Unit
Cooling Capacity		Btu/h	10,900	17,100	20,500
		kW	3.20	5.00	6.00
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	34 / 26	36 / 28	41 / 33
Moisture Removal		L/h	1.8	2.7	3.3
Air Circulation (Indoor/Hi)		m³/min.	10.5	11.0	12.8
		cfm	370	390	450
Fan Output		W	40	40	40
Dimensions	Height	mm	260	260	260
	Width	mm	575	575	575
	Depth	mm	575	575	575
Net Weight Indoor		kg	18	18	18
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.7
Power Supply			Outdoor	Outdoor	Outdoor

SPECIFICATIONS - OUTDOOR

MODEL			DUAL-SPLIT MODEL	TRIPLE-SPLIT MODEL		QUADRUPLE-SPLIT MODEL	
			CU-2S18SKH-1	CU-3S27SBH-1	CU-3S28SBH-1	CU-4S27SBH-1	CU-4S34SBH-1
Cooling Capacity		Btu/h (Min ~ Max)	17,100 (5,120~20,500)	25,600 (9,550~27,300)	25,600 (9,550~30,700)	25,600 (9,550~27,300)	34,100 (9,890~37,500)
		kW (Min ~ Max)	5.00 (1.50~6.00)	7.50 (2.80~8.00)	7.50 (2.80~9.00)	7.50 (2.80~8.00)	10.0 (2.90~11.00)
EER		Btu/hW	11.96	12.43	12.43	12.43	12.18
		W/W	3.5	3.64	3.64	3.64	3.57
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240	220 - 240
	Running Current	A	6.8 - 6.2	10.2 - 9.4	10.1 - 9.2	10.2 - 9.4	13.5 - 12.4
	Power Input	W (Min ~ Max)	1,430 (250~1,780)	2,060 (520~2,650)	2,060 (520~2,830)	2,060 (520~2,530)	2,800 (560~3,460)
Sound Pressure Level	Outdoor (Hi/Lo)	(dB-A)	50	49	49	49	52
Maximum Current		A	12	15.2	15.2	15.2	21.3
Starting Current		A	6.8	10.2	10.1	10.2	13.5
Compressor Output		W	900	1,300	1,300	1,300	1,700
Fan Output		W	40	44	60	44	90
Dimensions	Height	mm	619	695	795	695	999
	Width	mm	824 (+70)	875 (+95)	875 (+95)	875(+95)	940
	Depth	mm	299	320	320	320	340
Net Weight Outdoor		kg	37	57	68	57	76
Pipe Extension**	Chargeless Pipe Length	m	20	30	30	35	45
	Maximum Pipe Length	1 Room	20	25	25	25	25
		Total	30	60	60	60	70
	Maximum Elevation Length	m	10	15	15	15	15
	Additional Refrigerant Gas*	g/m	15	20	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-2S18SKH-1)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)				POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	28	28	2.80		2.80	1.10 ~ 3.50	0.75	0.22 ~ 1.00	3.65 / 3.40	1.6
	32	32	3.20		3.20	1.10 ~ 4.00	0.92	0.22 ~ 1.22	4.50 / 4.20	1.8
2 Room	28 + 28	56	2.40	2.40	4.80	1.50 ~ 5.80	1.34	0.25 ~ 1.72	6.50 / 6.05	1.5 + 1.5
	28 + 32	60	2.30	2.70	5.00	1.50 ~ 5.90	1.52	0.25 ~ 1.74	7.40 / 6.90	1.5 + 1.6
	32 + 32	64	2.50	2.50	5.00	1.50 ~ 6.00	1.43	0.25 ~ 1.78	6.75 / 6.25	1.5 + 1.5

INVERTER TRIPLE-SPLIT MODEL (CU-3S27SBH-1)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)					POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	28	28	2.80			2.80	1.7 ~ 3.4	700	380 ~ 890	3.8 / 3.5	1.6
	32	32	3.20			3.20	1.7 ~ 4.0	800	380 ~ 1,200	4.3 / 3.9	1.8
	40	40	4.00			4.00	1.7 ~ 4.8	1,180	380 ~ 1,480	6.1 / 5.6	2.3
	50	50	5.00			5.00	1.9 ~ 5.8	1,460	400 ~ 1,890	7.4 / 6.8	2.7
2 Rooms	28 + 28	56	2.80	2.80		5.60	1.7 ~ 6.4	1,750	420 ~ 2,600	8.7 / 8.0	1.6 + 1.6
	28 + 32	60	2.80	3.20		6.00	1.7 ~ 6.5	2,010	420 ~ 2,600	10.0 / 9.2	1.6 + 1.8
	28 + 40	68	2.80	4.00		6.80	2.5 ~ 7.3	2,420	550 ~ 3,330	12.0 / 11.0	1.6 + 2.3
	28 + 50	78	2.69	4.81		7.50	2.7 ~ 7.7	2,810	530 ~ 3,310	13.9 / 12.7	1.6 + 2.6
	32 + 32	64	3.20	3.20		6.40	2.3 ~ 7.1	2,290	550 ~ 3,350	11.3 / 10.4	1.8 + 1.8
	32 + 40	72	3.20	4.00		7.20	2.5 ~ 7.4	2,770	550 ~ 3,330	13.7 / 12.5	1.8 + 2.3
	32 + 50	82	2.93	4.57		7.50	2.8 ~ 7.7	2,760	530 ~ 3,310	13.6 / 12.5	1.7 + 2.5
	40 + 40	80	3.75	3.75		7.50	2.7 ~ 7.6	2,870	540 ~ 3,310	14.2 / 13.0	2.2 + 2.2
	40 + 50	90	3.33	4.17		7.50	2.8 ~ 7.8	2,600	530 ~ 3,300	12.8 / 11.8	1.9 + 2.4
	50 + 50	100	3.75	3.75		7.50	2.9 ~ 8.0	2,440	520 ~ 3,300	12.1 / 11.1	2.2 + 2.2
3 Rooms	28 + 28 + 28	84	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
	28 + 28 + 32	88	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
	28 + 28 + 40	96	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
	28 + 28 + 50	106	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
	28 + 32 + 32	92	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
	28 + 32 + 40	100	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
	28 + 32 + 50	110	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
	28 + 40 + 40	108	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
	28 + 40 + 50	118	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
	28 + 50 + 50	128	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
	32 + 32 + 32	96	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
	32 + 32 + 40	104	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
	32 + 32 + 50	114	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
	32 + 40 + 40	112	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
	32 + 40 + 50	122	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
	32 + 50 + 50	132	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
	40 + 40 + 40	120	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
	40 + 40 + 50	130	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

• Specification based on JIS C 9612 standard.
• A minimum of 2 indoor units must be connected.

INVERTER TRIPLE-SPLIT MODEL (CU-3S28SBH-1)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)					POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	28	28	2.80			2.80	1.7 ~ 3.4	700	380 ~ 890	3.7 / 3.4	1.6
	32	32	3.20			3.20	1.7 ~ 4.0	800	380 ~ 1,200	4.2 / 3.9	1.8
	40	40	4.00			4.00	1.7 ~ 4.8	1,180	380 ~ 1,480	6.0 / 5.5	2.3
	50	50	5.00			5.00	1.9 ~ 5.8	1,460	400 ~ 1,890	7.3 / 6.7	2.7
	60	60	6.00			6.00	1.9 ~ 6.2	1920	400 ~ 2,070	9.3 / 8.6	3.3
2 Rooms	28 + 28	56	2.80	2.80		5.60	1.7 ~ 6.7	1,750	420 ~ 2,340	8.6 / 7.9	1.6 + 1.6
	28 + 32	60	2.80	3.20		6.00	1.7 ~ 6.7	2,010	420 ~ 2,340	9.8 / 9.0	1.6 + 1.8
	28 + 40	68	2.80	4.00		6.80	2.5 ~ 7.6	2,420	550 ~ 2,990	11.8 / 10.8	1.6 + 2.3
	28 + 50	78	2.69	4.81		7.50	2.7 ~ 8.0	2,810	530 ~ 2,980	13.7 / 12.6	1.6 + 2.6
	28 + 60	88	2.39	5.11		7.50	2.7 ~ 8.0	2,810	530 ~ 2,980	13.7 / 12.6	1.5 + 2.8
	32 + 32	64	3.20	3.20		6.40	2.3 ~ 7.4	2,290	570 ~ 3,010	11.2 / 10.3	1.8 + 1.8
	32 + 40	72	3.20	4.00		7.20	2.5 ~ 7.7	2,770	550 ~ 2,990	13.5 / 12.4	1.8 + 2.3
	32 + 50	82	2.93	4.57		7.50	2.8 ~ 8.0	2,760	530 ~ 2,970	13.5 / 12.4	1.7 + 2.5
	32 + 60	92	2.61	4.89		7.50	2.8 ~ 8.0	2,760	530 ~ 2,970	13.5 / 12.4	1.6 + 2.7
	40 + 40	80	3.75	3.75		7.50	2.7 ~ 7.9	2,870	540 ~ 2,980	14.0 / 12.9	2.2 + 2.2
	40 + 50	90	3.33	4.17		7.50	2.8 ~ 8.1	2,600	530 ~ 2,970	12.7 / 11.6	1.9 + 2.4
	40 + 60	100	3.00	4.50		7.50	2.8 ~ 8.1	2,600	530 ~ 2,970	12.7 / 11.6	1.7 + 2.5
	50 + 50	100	3.75	3.75		7.50	2.9 ~ 8.3	2,440	520 ~ 2,970	11.9 / 10.9	2.2 + 2.2
	50 + 60	110	3.41	4.09		7.50	2.9 ~ 8.3	2,440	520 ~ 2,970	11.9 / 10.9	2.0 + 2.3
	60 + 60	120	3.75	3.75		7.50	2.9 ~ 8.3	2,440	520 ~ 2,970	11.9 / 10.9	2.2 + 2.2
3 Rooms	28 + 28 + 28	84	2.50	2.50	2.50	7.50	2.4 ~ 7.9	2,740	580 ~ 2,840	13.4 / 12.3	1.5 + 1.5 + 1.5
	28 + 28 + 32	88	2.39	2.39	2.72	7.50	2.4 ~ 8.0	2,690	580 ~ 2,850	13.1 / 12.1	1.5 + 1.5 + 1.6
	28 + 28 + 40	96	2.19	2.19	3.12	7.50	2.6 ~ 8.4	2,490	600 ~ 2,930	12.2 / 11.2	1.4 + 1.4 + 1.8
	28 + 28 + 50	106	1.98	1.98	3.54	7.50	2.8 ~ 8.8	2,250	600 ~ 3,010	11.0 / 10.1	1.3 + 1.3 + 2.0
	28 + 28 + 60	116	1.81	1.81	3.88	7.50	2.8 ~ 8.8	2,250	600 ~ 3,010	11.0 / 10.1	1.2 + 1.2+ 2.3
	28 + 32 + 32	92	2.28	2.61	2.61	7.50	2.4 ~ 8.0	2,690	580 ~ 2,860	13.1 / 12.1	1.5 + 1.6 + 1.6
	28 + 32 + 40	100	2.10	2.40	3.00	7.50	2.6 ~ 8.4	2,450	600 ~ 2,930	12.0 / 11.0	1.4 + 1.5 + 1.7
	28 + 32 + 50	110	1.91	2.18	3.41	7.50	2.8 ~ 8.8	2,250	600 ~ 3,020	11.0 / 10.1	1.2 + 1.4 + 2.0
	28 + 32 + 60	120	1.75	2.00	3.75	7.50	2.8 ~ 8.8	2,250	600 ~ 3,020	11.0 / 10.1	1.1 + 1.3 + 2.2
	28 + 40 + 40	108	1.94	2.78	2.78	7.50	2.7 ~ 8.7	2,290	600 ~ 3,000	11.2 / 10.3	1.3 + 1.6 + 1.6
	28 + 40 + 50	118	1.78	2.54	3.18	7.50	2.8 ~ 9.0	2,170	580 ~ 3,050	10.6 / 9.7	1.1 + 1.6 + 1.8
	28 + 40 + 60	128	1.64	2.34	3.52	7.50	2.8 ~ 9.0	2,170	580 ~ 3,050	10.6 / 9.7	1.0 + 1.5 + 2.0
	28 + 50 + 50	128	1.64	2.93	2.93	7.50	2.8 ~ 9.0	2,070	520 ~ 2,830	10.1 / 9.3	1.0 + 1.7 + 1.7
	32 + 32 + 32	96	2.50	2.50	2.50	7.50	2.4 ~ 8.0	2,650	590 ~ 2,860	13.0 / 11.9	1.5 + 1.5 + 1.5
	32 + 32 + 40	104	2.31	2.31	2.88	7.50	2.6 ~ 8.4	2,450	600 ~ 2,940	12.0 / 11.0	1.5 + 1.5 + 1.7
	32 + 32 + 50	114	2.11	2.11	3.28	7.50	2.8 ~ 8.8	2,250	600 ~ 3,020	11.0 / 10.1	1.4 + 1.4 + 1.9
	32 + 32 + 60	124	1.94	1.94	3.62	7.50	2.8 ~ 8.8	2,250	600 ~ 3,020	11.0 / 10.1	1.3 + 1.3 + 2.1
	32 + 40 + 40	112	2.14	2.68	2.68	7.50	2.8 ~ 8.7	2,290	600 ~ 3,000	11.2 / 10.3	1.4 + 1.6 + 1.6
	32 + 40 + 50	122	1.97	2.46	3.07	7.50	2.8 ~ 9.0	2,170	580 ~ 3,060	10.6 / 9.7	1.3 + 1.5 + 1.7
	32 + 40 + 60	132	1.82	2.27	3.41	7.50	2.8 ~ 9.0	2,170	580 ~ 3,060	10.6 / 9.7	1.2 + 1.5 + 2.0
	32 + 50 + 50	132	1.82	2.84	2.84	7.50	2.8 ~ 9.0	2,060	520 ~ 2,830	10.1 / 9.2	1.2 + 1.7 + 1.7
	40 + 40 + 40	120	2.50	2.50	2.50	7.50	2.8 ~ 9.0	2,170	590 ~ 3,040	10.6 / 9.7	1.5 + 1.5 + 1.5
	40 + 40 + 50	130	2.31	2.31	2.88	7.50	2.8 ~ 9.0	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.

INVERTER QUADRUPLE-SPLIT MODEL (CU-4S27SBH-1)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)						POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	D	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	28	28	2.800				2.80	1.7 ~ 3.4	700	380 ~ 890	3.8 / 3.5	1.6
	32	32	3.200				3.20	1.7 ~ 4.0	800	380 ~ 1,200	4.3 / 3.9	1.8
	40	40	4.000				4.00	1.7 ~ 4.8	1,180	380 ~ 1,480	6.1 / 5.6	2.3
	50	50	5.000				5.00	1.9 ~ 5.8	1,460	400 ~ 1,890	7.4 / 6.8	2.7
2 Rooms	28 + 28	56	2.800	2.800			5.60	1.7 ~ 6.4	1,750	420 ~ 2,600	8.7 / 8.0	1.6 + 1.6
	28 + 32	60	2.800	3.200			6.00	1.7 ~ 6.5	2,010	420 ~ 2,600	10.0 / 9.2	1.6 + 1.8
	28 + 40	68	2.800	4.000			6.80	2.5 ~ 7.3	2,420	550 ~ 3,330	12.0 / 11.0	1.6 + 2.3
	28 + 50	78	2.690	4.810			7.50	2.7 ~ 7.7	2,810	530 ~ 3,310	13.9 / 12.7	1.6 + 2.6
	32 + 32	64	3.200	3.200			6.40	2.3 ~ 7.1	2,290	570 ~ 3,350	11.3 / 10.4	1.8 + 1.8
	32 + 40	72	3.200	4.000			7.20	2.5 ~ 7.4	2,770	550 ~ 3,330	13.7 / 12.5	1.8 + 2.3
	32 + 50	82	2.930	4.570			7.50	2.8 ~ 7.7	2,760	530 ~ 3,310	13.6 / 12.5	1.7 + 2.5
	40 + 40	80	3.750	3.750			7.50	2.7 ~ 7.6	2,870	540 ~ 3,310	14.2 / 13.0	2.2 + 2.2
	40 + 50	90	3.330	4.170			7.50	2.8 ~ 7.8	2,600	530 ~ 3,300	12.8 / 11.8	1.9 + 2.4
	50 + 50	100	3.750	3.750			7.50	2.9 ~ 8.0	2,440	520 ~ 3,300	12.1 / 11.1	2.2 + 2.2
3 Rooms	28 + 28 + 28	84	2.500	2.500	2.500		7.50	2.4 ~ 7.6	2,740	580 ~ 3,170	13.5 / 12.4	1.5 + 1.5 + 1.5
	28 + 28 + 32	88	2.390	2.390	2.720		7.50	2.4 ~ 7.7	2,690	580 ~ 3,170	13.3 / 12.2	1.5 + 1.5 + 1.6
	28 + 28 + 40	96	2.190	2.190	3.120		7.50	2.6 ~ 8.0	2,490	600 ~ 3,260	12.3 / 11.3	1.4 + 1.4 + 1.8
	28 + 28 + 50	106	1.980	1.980	3.540		7.50	2.8 ~ 8.0	2,250	600 ~ 2,910	11.1 / 10.2	1.3 + 1.3 + 2.0
	28 + 32 + 32	92	2.280	2.610	2.610		7.50	2.4 ~ 7.7	2,690	580 ~ 3,180	13.3 / 12.2	1.5 + 1.6 + 1.6
	28 + 32 + 40	100	2.100	2.400	3.000		7.50	2.6 ~ 8.0	2,450	600 ~ 3,200	12.1 / 11.1	1.4 + 1.5 + 1.7
	28 + 32 + 50	110	1.910	2.180	3.410		7.50	2.8 ~ 8.0	2,250	600 ~ 2,910	11.1 / 10.2	1.2 + 1.4 + 2.0
	28 + 40 + 40	108	1.940	2.780	2.780		7.50	2.7 ~ 8.0	2,290	600 ~ 3,020	11.3 / 10.4	1.3 + 1.6 + 1.6
	28 + 40 + 50	118	1.780	2.540	3.180		7.50	2.8 ~ 8.0	2,170	580 ~ 2,760	10.7 / 9.8	1.1 + 1.6 + 1.8
	28 + 50 + 50	128	1.640	2.930	2.930		7.50	2.8 ~ 8.0	2,070	520 ~ 2,650	10.2 / 9.4	1.0 + 1.7 + 1.7
	32 + 32 + 32	96	2.500	2.500	2.500		7.50	2.4 ~ 7.7	2,650	590 ~ 3,190	13.1 / 12.0	1.5 + 1.5 + 1.5
	32 + 32 + 40	104	2.310	2.310	2.880		7.50	2.6 ~ 8.0	2,450	600 ~ 3,210	12.1 / 11.1	1.5 + 1.5 + 1.7
	32 + 32 + 50	114	2.110	2.110	3.280		7.50	2.8 ~ 8.0	2,250	600 ~ 2,920	11.1 / 10.2	1.4 + 1.4 + 1.9
	32 + 40 + 40	112	2.140	2.680	2.680		7.50	2.8 ~ 8.0	2,290	600 ~ 2,960	11.3 / 10.4	1.4 + 1.6 + 1.6
	32 + 40 + 50	122	1.970	2.460	3.070		7.50	2.8 ~ 8.0	2,170	580 ~ 2,760	10.7 / 9.8	1.3 + 1.5 + 1.7
	32 + 50 + 50	132	1.820	2.840	2.840		7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2 / 9.4	1.2 + 1.7 + 1.7
	40 + 40 + 40	120	2.500	2.500	2.500		7.50	2.8 ~ 8.0	2,170	590 ~ 2,820	10.7 / 9.8	1.5 + 1.5 + 1.5
	40 + 40 + 50	130	2.310	2.310	2.880		7.50	2.8 ~ 8.0	2,070	540 ~ 2,650	10.2 / 9.4	1.5 + 1.5 + 1.7
4 Rooms	28 + 28 + 28 + 28	112	1.875	1.875	1.875	1.875	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2 / 9.4	1.2 + 1.2 + 1.2 + 1.2
	28 + 28 + 28 + 32	116	1.810	1.810	1.810	2.070	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2 / 9.4	1.2 + 1.2 + 1.2 + 1.3
	28 + 28 + 28 + 40	124	1.690	1.690	1.690	2.430	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2 / 9.4	1.1 + 1.1 + 1.1 + 1.5
	28 + 28 + 28 + 50	134	1.570	1.570	1.570	2.790	7.50	2.8 ~ 8.0	2,060	520 ~ 2,530	10.2 / 9.4	1.0 + 1.0 + 1.0 + 1.6
	28 + 28 + 32 + 32	120	1.750	1.750	2.000	2.000	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2 / 9.4	1.1 + 1.1 + 1.3 + 1.3
	28 + 28 + 32 + 40	128	1.640	1.640	1.880	2.340	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2 / 9.4	1.0 + 1.0 + 1.2 + 1.5
	28 + 32 + 32 + 32	124	1.680	1.940	1.940	1.940	7.50	2.8 ~ 8.0	2,060	520 ~ 2,650	10.2 / 9.4	1.1 + 1.3 + 1.3 + 1.3
	28 + 32 + 32 + 40	132	1.590	1.820	1.820	2.270	7.50	2.8 ~ 8.0	2,060	520 ~ 2,590	10.2 / 9.4	1.0 + 1.2 + 1.2 + 1.5
	32 + 32 + 32 + 32	128	1.875	1.875	1.875	1.875	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.

INVERTER QUADRUPLE-SPLIT MODEL (CU-4S34SBH-1)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)					POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	28	28	2.80			2.80	1.8 ~ 2.9	700	340 ~ 810	3.6 / 3.3	1.6
	32	32	3.20			3.20	1.8 ~ 3.8	800	340 ~ 1,360	4.1 / 3.8	1.8
	40	40	4.00			4.00	1.8 ~ 4.3	1,240	340 ~ 1,990	6.0 / 5.5	2.3
	50	50	5.00			5.00	1.9 ~ 5.7	1,550	340 ~ 2,130	7.5 / 6.9	2.7
	60	60	6.00			6.00	1.9 ~ 6.2	2,030	340 ~ 2,330	9.6 / 8.8	3.3
	70	70	7.00			7.00	2.0 ~ 7.2	2,490	370 ~ 2,770	11.8 / 10.8	4.0
2 Rooms	28 + 28	56	2.80	2.80		5.60	2.4 ~ 5.8	1,740	300 ~ 1,860	8.5 / 7.8	1.6 + 1.6
	28 + 32	60	2.80	3.20		6.00	2.4 ~ 6.7	1,920	300 ~ 2,360	9.3 / 8.5	1.6 + 1.8
	28 + 40	68	2.80	4.00		6.80	2.4 ~ 7.2	2,420	300 ~ 2,760	11.7 / 10.7	1.6 + 2.3
	28 + 50	78	2.80	5.00		7.80	2.4 ~ 8.6	2,680	280 ~ 3,330	12.9 / 11.8	1.6 + 2.7
	28 + 60	88	2.80	6.00		8.80	2.5 ~ 9.1	3,450	310 ~ 3,640	16.6 / 15.2	1.6 + 3.3
	28 + 70	98	2.80	7.00		9.80	2.5 ~ 10.1	4,140	310 ~ 4,620	20.0 / 18.3	1.6 + 4.0
	32 + 32	64	3.20	3.20		6.40	2.4 ~ 7.2	2,100	290 ~ 2,620	10.1 / 9.3	1.8 + 1.8
	32 + 40	72	3.20	4.00		7.20	2.4 ~ 8.1	2,620	290 ~ 3,390	12.6 / 11.6	1.8 + 2.3
	32 + 50	82	3.20	5.00		8.20	2.5 ~ 9.1	2,890	310 ~ 3,490	13.9 / 12.8	1.8 + 2.7
	32 + 60	92	3.20	6.00		9.20	2.5 ~ 10.0	3,570	310 ~ 4,460	17.2 / 15.8	1.8 + 3.3
	32 + 70	102	3.14	6.86		10.00	2.5 ~ 10.4	4,220	310 ~ 4,800	20.3 / 18.6	1.8 + 3.9
	40 + 40	80	4.00	4.00		8.00	2.5 ~ 8.6	3,240	320 ~ 3,930	15.6 / 14.3	2.3 + 2.3
	40 + 50	90	4.00	5.00		9.00	2.5 ~ 10.0	3,460	310 ~ 4,460	16.7 / 15.3	2.3 + 2.7
	40 + 60	100	4.00	6.00		10.00	2.5 ~ 10.4	4,460	310 ~ 4,790	21.5 / 19.7	2.3 + 3.3
	40 + 70	110	3.64	6.36		10.00	2.5 ~ 10.4	4,150	310 ~ 4,800	20.0 / 18.3	2.1 + 3.6
	50 + 50	100	5.00	5.00		10.00	2.5 ~ 10.4	3,610	300 ~ 4,000	17.4 / 16.0	2.7 + 2.7
	50 + 60	110	4.55	5.45		10.00	2.5 ~ 10.4	3,610	300 ~ 4,000	17.4 / 16.0	2.5 + 2.9
	50 + 70	120	4.17	5.83		10.00	2.5 ~ 10.4	3,470	300 ~ 3,850	16.7 / 15.3	2.4 + 3.2
	60 + 60	120	5.00	5.00		10.00	2.5 ~ 10.4	3,610	300 ~ 4,000	17.4 / 16.0	2.7 + 2.7
	60 + 70	130	4.62	5.38		10.00	2.5 ~ 10.4	3,470	300 ~ 3,850	16.7 / 15.3	2.5 + 2.9
	70 + 70	140	5.00	5.00		10.00	2.5 ~ 10.4	3,320	330 ~ 3,690	16.0 / 14.7	2.7 + 2.7
3 Rooms	28 + 28 + 28	84	2.80	2.80	2.80	8.40	2.9 ~ 8.7	2,750	360 ~ 2,880	13.3 / 12.2	1.6 + 1.6 + 1.6
	28 + 28 + 32	88	2.80	2.80	3.20	8.80	2.9 ~ 9.6	2,880	390 ~ 3,320	13.9 / 12.7	1.6 + 1.6 + 1.8
	28 + 28 + 40	96	2.80	2.80	4.00	9.60	2.9 ~ 10.1	3,320	390 ~ 3,770	16.0 / 14.7	1.6 + 1.6 + 2.3
	28 + 28 + 50	106	2.64	2.64	4.72	10.00	2.9 ~ 10.7	3,180	390 ~ 3,770	15.3 / 14.1	1.6 + 1.6 + 2.5
	28 + 28 + 60	116	2.41	2.41	5.18	10.00	2.9 ~ 10.7	3,180	390 ~ 3,770	15.3 / 14.1	1.5 + 1.5 + 2.9
	28 + 28 + 70	126	2.22	2.22	5.56	10.00	2.9 ~ 10.7	3,110	390 ~ 3,620	15.0 / 13.7	1.4 + 1.4 + 3.0
	28 + 32 + 32	92	2.80	3.20	3.20	9.20	2.9 ~ 10.1	2,990	390 ~ 3,690	14.4 / 13.2	1.6 + 1.8 + 1.8
	28 + 32 + 40	100	2.80	3.20	4.00	10.00	2.9 ~ 10.7	3,540	390 ~ 4,320	17.1 / 15.6	1.6 + 1.8 + 2.3
	28 + 32 + 50	110	2.54	2.91	4.55	10.00	2.9 ~ 10.7	3,110	390 ~ 3,700	15.0 / 13.7	1.6 + 1.7 + 2.5
	28 + 32 + 60	120	2.33	2.67	5.00	10.00	2.9 ~ 10.7	3,110	390 ~ 3,700	15.0 / 13.7	1.5 + 1.6 + 2.7
	28 + 32 + 70	130	2.15	2.46	5.39	10.00	2.9 ~ 10.7	3,040	420 ~ 3,540	14.7 / 13.4	1.4 + 1.5 + 2.9
	28 + 40 + 40	108	2.60	3.70	3.70	10.00	2.9 ~ 10.7	3,540	390 ~ 4,320	17.1 / 15.6	1.6 + 2.2 + 2.2
	28 + 40 + 50	118	2.37	3.39	4.24	10.00	2.9 ~ 10.7	3,110	390 ~ 3,620	15.0 / 13.7	1.5 + 1.9 + 2.4
	28 + 40 + 60	128	2.18	3.13	4.69	10.00	2.9 ~ 10.7	3,110	390 ~ 3,620	15.0 / 13.7	1.4 + 1.8 + 2.5
	28 + 40 + 70	138	2.03	2.90	5.07	10.00	2.9 ~ 10.7	2,970	420 ~ 3,540	14.3 / 13.1	1.3 + 1.7 + 2.8
	28 + 50 + 50	128	2.18	3.91	3.91	10.00	2.9 ~ 10.7	2,830	430 ~ 3,250	13.6 / 12.5	1.4 + 2.3 + 2.3
	28 + 50 + 60	138	2.03	3.62	4.35	10.00	2.9 ~ 10.7	2,830	430 ~ 3,250	13.6 / 12.5	1.3 + 2.1 + 2.4
	28 + 50 + 70	148	1.89	3.38	4.73	10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.2 + 1.9 + 2.6
	28 + 60 + 60	148	1.90	4.05	4.05	10.00	2.9 ~ 10.7	2,830	430 ~ 3,250	13.6 / 12.5	1.2 + 2.3 + 2.3
	28 + 60 + 70	158	1.77	3.80	4.43	10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.1 + 2.2 + 2.5
	28 + 70 + 70	168	1.66	4.17	4.17	10.00	2.9 ~ 10.7	2,690	460 ~ 3,110	13.0 / 11.9	1.1 + 2.4 + 2.4
	32 + 32 + 32	96	3.20	3.20	3.20	9.60	2.9 ~ 10.1	3,110	390 ~ 3,540	15.0 / 13.7	1.8 + 1.8 + 1.8
	32 + 32 + 40	104	3.08	3.08	3.84	10.00	2.9 ~ 10.7	3,470	390 ~ 4,160	16.7 / 15.3	1.7 + 1.7 + 2.2
	32 + 32 + 50	114	2.81	2.81	4.38	10.00	2.9 ~ 10.7	3,040	390 ~ 3,540	14.7 / 13.4	1.6 + 1.6 + 2.4
	32 + 32 + 60	124	2.58	2.58	4.84	10.00	2.9 ~ 10.7	3,040	390 ~ 3,540	14.7 / 13.4	1.6 + 1.6 + 2.6
	32 + 32 + 70	134	2.39	2.39	5.22	10.00	2.9 ~ 10.7	2,970	420 ~ 3,470	14.3 / 13.1	1.5 + 1.5 + 2.9
	32 + 40 + 40	112	2.86	3.57	3.57	10.00	2.9 ~ 10.7	3,390	390 ~ 4,160	16.3 / 15.0	1.7 + 2.1 + 2.1
	32 + 40 + 50	122	2.62	3.28	4.10	10.00	2.9 ~ 10.7	3,040	420 ~ 3,540	14.7 / 13.4	1.6 + 1.9 + 2.3
	32 + 40 + 60	132	2.42	3.03	4.55	10.00	2.9 ~ 10.7	3,040	420 ~ 3,540	14.7 / 13.4	1.5 + 1.7 + 2.5
	32 + 40 + 70	142	2.25	2.82	4.93	10.00	2.9 ~ 10.7	2,970	420 ~ 3,470	14.3 / 13.1	1.5 + 1.7 + 2.7
	32 + 50 + 50	132	2.42	3.79	3.79	10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.5 + 2.2 + 2.2
	32 + 50 + 60	142	2.25	3.52	4.23	10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.5 + 2.0 + 2.4
	32 + 50 + 70	152	2.10	3.29	4.61	10.00	2.9 ~ 10.7	2,690	460 ~ 3,110	13.0 / 11.9	1.4 + 1.9 + 2.5
	32 + 60 + 60	152	2.10	3.95	3.95	10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.4 + 2.3 + 2.3
	32 + 60 + 70	162	1.98	3.70	4.32	10.00	2.9 ~ 10.7	2,690	460 ~ 3,110	13.0 / 11.9	1.3 + 2.2 + 2.4

- Specification based on JIS C 9612 standard.
- A minimum of 2 indoor units must be connected.

INVERTER QUADRUPLE-SPLIT MODEL (CU-4S34SBH-1)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)						POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/h
			A	B	C	D	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
3 Rooms	32 + 70 + 70	172	1.86	4.07	4.07		10.00	2.9 ~ 10.7	2,700	470 ~ 3,110	13.0 / 11.9	1.2 + 2.3 + 2.3
	40 + 40 + 40	120	3.33	3.33	3.33		9.99	2.9 ~ 10.7	3,390	390 ~ 4,080	16.3 / 15.0	1.9 + 1.9 + 1.9
	40 + 40 + 50	130	3.08	3.08	3.84		10.00	2.9 ~ 10.7	2,970	420 ~ 3,540	14.3 / 13.1	1.7 + 1.7 + 2.2
	40 + 40 + 60	140	2.86	2.86	4.28		10.00	2.9 ~ 10.7	2,970	420 ~ 3,540	14.3 / 13.1	1.7 + 1.7 + 2.4
	40 + 40 + 70	150	2.67	2.67	4.66		10.00	2.9 ~ 10.7	2,900	420 ~ 3,400	14.0 / 12.8	1.6 + 1.6 + 2.5
	40 + 50 + 50	140	2.86	3.57	3.57		10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.7 + 2.1 + 2.1
	40 + 50 + 60	150	2.67	3.33	4.00		10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.6 + 1.9 + 2.3
	40 + 50 + 70	160	2.49	3.13	4.38		10.00	2.9 ~ 10.7	2,690	460 ~ 3,110	13.0 / 11.9	1.5 + 1.8 + 2.4
	40 + 60 + 60	160	2.50	3.75	3.75		10.00	2.9 ~ 10.7	2,760	460 ~ 3,180	13.3 / 12.2	1.5 + 2.2 + 2.2
	40 + 60 + 70	170	2.35	3.53	4.12		10.00	2.9 ~ 10.7	2,690	460 ~ 3,110	13.0 / 11.9	1.5 + 2.0 + 2.3
	50 + 50 + 50	150	3.33	3.33	3.33		9.99	2.9 ~ 10.7	2,570	510 ~ 2,970	12.4 / 11.4	1.9 + 1.9 + 1.9
	50 + 50 + 60	160	3.13	3.13	3.74		10.00	2.9 ~ 10.7	2,630	510 ~ 2,970	12.7 / 11.6	1.8 + 1.8 + 2.2
	50 + 50 + 70	170	2.94	2.94	4.12		10.00	2.9 ~ 10.7	2,570	510 ~ 2,970	12.4 / 11.4	1.7 + 1.7 + 2.3
	50 + 60 + 60	170	2.94	3.53	3.53		10.00	2.9 ~ 10.7	2,630	510 ~ 2,970	12.7 / 11.6	1.7 + 2.0 + 2.0
4 Rooms	28 + 28 + 28 + 28	112	2.50	2.50	2.50	2.50	10.00	2.9 ~ 10.6	3,220	420 ~ 3,770	15.5 / 14.2	1.5 + 1.5 + 1.5 + 1.5
	28 + 28 + 28 + 32	116	2.41	2.41	2.77	2.77	10.00	2.9 ~ 10.6	3,150	420 ~ 3,680	15.2 / 13.9	1.5 + 1.5 + 1.5 + 1.6
	28 + 28 + 28 + 40	124	2.26	2.26	3.22	3.22	10.00	2.9 ~ 10.8	3,150	430 ~ 3,850	15.2 / 13.9	1.5 + 1.5 + 1.5 + 1.8
	28 + 28 + 28 + 50	134	2.09	2.09	3.73	3.73	10.00	2.9 ~ 10.8	2,930	470 ~ 3,520	14.1 / 12.9	1.4 + 1.4 + 1.4 + 2.2
	28 + 28 + 28 + 60	144	1.94	1.94	1.94	4.18	10.00	2.9 ~ 11.0	2,930	470 ~ 3,690	14.1 / 12.9	1.3 + 1.3 + 1.3 + 2.4
	28 + 28 + 28 + 70	154	1.82	1.82	1.82	4.54	10.00	2.9 ~ 11.0	2,930	500 ~ 3,610	14.1 / 12.9	1.2 + 1.2 + 1.2 + 2.5
	28 + 28 + 32 + 32	120	2.33	2.33	2.67	2.67	10.00	2.9 ~ 10.6	3,070	430 ~ 3,600	14.8 / 13.6	1.5 + 1.5 + 1.6 + 1.6
	28 + 28 + 32 + 40	128	2.19	2.19	2.49	3.13	10.00	2.9 ~ 10.8	3,070	430 ~ 3,770	14.8 / 13.6	1.4 + 1.4 + 1.5 + 1.8
	28 + 28 + 32 + 50	138	2.03	2.03	2.32	3.62	10.00	2.9 ~ 10.8	2,930	500 ~ 3,440	14.1 / 12.9	1.3 + 1.3 + 1.5 + 2.1
	28 + 28 + 32 + 60	148	1.89	1.89	2.16	4.06	10.00	2.9 ~ 11.0	2,930	500 ~ 3,610	14.1 / 12.9	1.2 + 1.2 + 1.4 + 2.3
	28 + 28 + 32 + 70	158	1.77	1.77	2.03	4.43	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.1 + 1.3 + 2.5
	28 + 28 + 40 + 40	136	2.06	2.06	2.94	2.94	10.00	2.9 ~ 10.8	3,070	430 ~ 3,770	14.8 / 13.6	1.3 + 1.3 + 1.7 + 1.7
	28 + 28 + 40 + 50	146	1.92	1.92	2.74	3.42	10.00	2.9 ~ 11.0	2,930	500 ~ 3,610	14.1 / 12.9	1.2 + 1.2 + 1.6 + 2.0
	28 + 28 + 40 + 60	156	1.79	1.79	2.56	3.86	10.00	2.9 ~ 11.0	2,930	500 ~ 3,610	14.1 / 12.9	1.2 + 1.2 + 1.6 + 2.3
	28 + 28 + 40 + 70	166	1.69	1.69	2.40	4.22	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.1 + 1.5 + 2.4
	28 + 28 + 50 + 50	156	1.79	1.79	3.21	3.21	10.00	2.9 ~ 11.0	2,800	560 ~ 3,460	13.5 / 12.4	1.2 + 1.2 + 1.8 + 1.8
	28 + 28 + 50 + 60	166	1.69	1.69	3.01	3.61	10.00	2.9 ~ 11.2	2,800	560 ~ 3,540	13.5 / 12.4	1.1 + 1.1 + 1.7 + 2.1
	28 + 32 + 32 + 32	124	2.26	2.58	2.58	2.58	10.00	2.9 ~ 10.8	3,070	460 ~ 3,680	14.8 / 13.6	1.5 + 1.6 + 1.6 + 1.6
	28 + 32 + 32 + 40	132	2.12	2.42	2.42	3.04	10.00	2.9 ~ 10.8	3,070	460 ~ 3,680	14.8 / 13.6	1.4 + 1.5 + 1.5 + 1.7
	28 + 32 + 32 + 50	142	1.97	2.25	2.25	3.53	10.00	2.9 ~ 11.0	2,860	510 ~ 3,610	13.8 / 12.6	1.3 + 1.5 + 1.5 + 2.0
	28 + 32 + 32 + 60	152	1.83	2.11	2.11	3.95	10.00	2.9 ~ 11.0	2,860	510 ~ 3,610	13.8 / 12.6	1.2 + 1.4 + 1.4 + 2.3
	28 + 32 + 32 + 70	162	1.72	1.98	1.98	4.32	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.3 + 1.3 + 2.4
	28 + 32 + 40 + 40	140	1.99	2.29	2.86	2.86	10.00	2.9 ~ 10.8	3,070	460 ~ 3,680	14.8 / 13.6	1.3 + 1.5 + 1.7 + 1.7
	28 + 32 + 40 + 50	150	1.87	2.13	2.67	3.33	10.00	2.9 ~ 11.0	2,860	510 ~ 3,530	13.8 / 12.6	1.2 + 1.4 + 1.6 + 1.9
	28 + 32 + 40 + 60	160	1.75	2.00	2.50	3.75	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.3 + 1.5 + 2.2
	28 + 32 + 40 + 70	170	1.65	1.88	2.35	4.12	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.2 + 1.5 + 2.3
	28 + 32 + 50 + 50	160	1.74	2.00	3.13	3.13	10.00	2.9 ~ 11.2	2,800	560 ~ 3,540	13.5 / 12.4	1.1 + 1.3 + 1.8 + 1.8
	28 + 32 + 50 + 60	170	1.65	1.88	2.94	3.53	10.00	2.9 ~ 11.2	2,800	560 ~ 3,540	13.5 / 12.4	1.1 + 1.2 + 1.7 + 2.0
	28 + 40 + 40 + 40	148	1.90	2.70	2.70	2.70	10.00	2.9 ~ 11.0	3,000	460 ~ 3,770	14.5 / 13.3	1.2 + 1.6 + 1.6 + 1.6
	28 + 40 + 40 + 50	158	1.77	2.53	2.53	3.17	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.6 + 1.6 + 1.8
	28 + 40 + 40 + 60	168	1.67	2.38	2.38	3.57	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.1 + 1.5 + 1.5 + 2.1
	28 + 40 + 50 + 50	168	1.66	2.38	2.98	2.98	10.00	2.9 ~ 11.2	2,800	560 ~ 3,540	13.5 / 12.4	1.1 + 1.5 + 1.7 + 1.7
	32 + 32 + 32 + 32	128	2.50	2.50	2.50	2.50	10.00	2.9 ~ 10.8	3,000	460 ~ 3,600	14.5 / 13.3	1.5 + 1.5 + 1.5 + 1.5
	32 + 32 + 32 + 40	136	2.35	2.35	2.35	2.95	10.00	2.9 ~ 10.8	3,000	460 ~ 3,600	14.5 / 13.3	1.5 + 1.5 + 1.5 + 1.7
	32 + 32 + 32 + 50	146	2.19	2.19	2.19	3.43	10.00	2.9 ~ 11.0	2,860	510 ~ 3,530	13.8 / 12.6	1.4 + 1.4 + 1.4 + 2.0
	32 + 32 + 32 + 60	156	2.05	2.05	2.05	3.85	10.00	2.9 ~ 11.0	2,860	510 ~ 3,530	13.8 / 12.6	1.3 + 1.3 + 1.3 + 2.3
	32 + 32 + 32 + 70	166	1.93	1.93	1.93	4.21	10.00	2.9 ~ 11.2	2,860	520 ~ 3,610	13.8 / 12.6	1.2 + 1.2 + 1.2 + 2.4
	32 + 32 + 40 + 40	144	2.22	2.22	2.78	2.78	10.00	2.9 ~ 11.0	3,000	460 ~ 3,770	14.5 / 13.3	1.4 + 1.4 + 1.6 + 1.6
	32 + 32 + 40 + 50	154	2.08	2.08	2.59	3.25	10.00	2.9 ~ 11.0	2,860	510 ~ 3,530	13.8 / 12.6	1.3 + 1.3 + 1.6 + 1.8
	32 + 32 + 40 + 60	164	1.95	1.95	2.44	3.66	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.3 + 1.3 + 1.5 + 2.1
	32 + 32 + 40 + 70	174	1.84	1.84	2.30	4.02	10.00	2.9 ~ 11.2	2,860	550 ~ 3,610	13.8 / 12.6	1.2 + 1.2 + 1.5 + 2.3
	32 + 32 + 50 + 50	164	1.95	1.95	3.05	3.05	10.00	2.9 ~ 11.2	2,800	600 ~ 3,540	13.5 / 12.4	1.3 + 1.3 + 1.7 + 1.7
	32 + 32 + 50 + 60	174	1.84	1.84	2.87	3.45	10.00	2.9 ~ 11.2	2,800	600 ~ 3,540	13.5 / 12.4	1.2 + 1.2 + 1.7 + 2.0
	32 + 40 + 40 + 40	152	2.11	2.63	2.63	2.63	10.00	2.9 ~ 11.0	3,000	460 ~ 3,770	14.5 / 13.3	1.4 + 1.6 + 1.6 + 1.6
	32 + 40 + 40 + 50	162	1.97	2.47	2.47	3.09	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.3 + 1.5 + 1.5 + 1.7
	32 + 40 + 40 + 60	172	1.85	2.33	2.33	3.49	10.00	2.9 ~ 11.2	2,860	510 ~ 3,690	13.8 / 12.6	1.2 + 1.5 + 1.5 + 2.0
	32 + 40 + 50 + 50	172	1.85	2.33	2.91	2.91	10.00	2.9 ~ 11.2	2,810	600 ~ 3,540	13.5 / 12.4	1.2 + 1.5 + 1.7 + 1.7
	40 + 40 + 40 + 40	160	2.50	2.50	2.50	2.50	10.00	2.9 ~ 11.2	3,000	470 ~ 3,850	14.5 / 13.3	1.5 + 1.5 + 1.5 + 1.5
	40 + 40 + 40 + 50	170	2.35	2.35	2.35	2.95	10.00	2.9 ~ 11.2	2,860	520 ~ 3,610	13.8 / 12.6	1.5 + 1.5 + 1.5 + 1.7

• Specification based on JIS C 9612 standard.
• A minimum of 2 indoor units must be connected.

Connection of Cooling Multi Inverter for Malaysia 2016

Outdoor Unit	Indoor		
	Type	Maximum Connectable Indoor unit kW	kW
CU-2S18SKH-1	Wall Mounted	6.4	2.8 / 3.2
	Wall Mounted		2.8 / 3.2
	Slim Duct		2.8 / 3.2
CU-3S27SBH-1	Wall Mounted	13	2.8 / 3.2 / 4.0 / 5.0
	Wall Mounted		2.8 / 3.2 / 4.0 / 5.0
	Mini-Cassette		3.2 / 5.0
	Slim Duct		2.8 / 3.2 / 5.0
CU-4S27SBH-1	Wall Mounted	13	2.8 / 3.2 / 4.0 / 5.0
	Wall Mounted		2.8 / 3.2 / 4.0 / 5.0
	Mini-Cassette		3.2 / 5.0
	Slim Duct		2.8 / 3.2 / 5.0
CU-3S28SBH-1	Wall Mounted	13	2.8 / 3.2 / 4.0 / 5.0 / 6.0
	Wall Mounted		2.8 / 3.2 / 4.0 / 5.0 / 6.0
	Mini-Cassette		3.2 / 5.0 / 6.0
	Slim Duct		2.8 / 3.2 / 5.0 / 6.0
CU-4S34SBH-1	Wall Mounted	17	2.8 / 3.2 / 4.0 / 5.0 / 6.0 / 7.0
	Wall Mounted		2.8 / 3.2 / 4.0 / 5.0 / 6.0
	Mini-Cassette		3.2 / 5.0 / 6.0
	Slim Duct		2.8 / 3.2 / 5.0 / 6.0

Pipe size reducer CZ-MA1P must be used(ID connect to 3/8" piping). * SD3 Ducted wireless remote control as standard.
Pipe size expander CZ-MA2P must be used(OD connect to 1/2" piping). * Wired remote control as optional part.
Pipe size reducer CZ-MA3P must be used(ID connect to 1/2" piping).

FEATURES COMPARISON

Split Type	Multi-Split Wall-Mounted				Inverter Multi-Combination	
	Deluxe		Standard		Mini Cassette	Slim Ducted
Cooling Models	CS-MS9SKH-1 CS-MS12SKH-1 CS-MS15SKH-1	CS-MS18SKH-1 CS-MS24SKH-1 CS-MS28SKH-1	CS-MPS9SKH-1 CS-MPS12SKH-1 CS-MPS15SKH-1	CS-MPS18SKH-1 CS-MPS24SKH-1	CS-S12MB4Z CS-S18MB4Z CS-S24MB4Z	CS-MS9SD3H-1 CS-MS12SD3H-1 CS-MS18SD3H-1 CS-MS24SD3H-1

COMFORT

		Deluxe 9/12/15	Deluxe 18/24/28	Standard 9/12/15	Standard 18/24	Mini Cassette	Slim Ducted
	ECONAVI	●	●				
	Temperature Wave	●	●				
	AUTOCOMFORT	●	●				
	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 (Cooling)	●	●	●	●	●	●

CLEANER AIR

	nanoe-G	●	●				
	Anti-Bacterial Filter			●	●		
	Odour-Removing Function	●	●	●	●	●	●
	Removable, Washable Panel	●	●	●	●		
	Anti-Mould, 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)

RELIABILITY

	Random Auto Restart (32 Restart Patterns)	●	●	●	●	●	●
	Blue Fin Condenser	●	●	●	●	●	●
	Long Piping (Numbers indicate the maximum pipe length)	**refer page 13	**refer page 13	**refer page 13	**refer page 13	**refer page 13	**refer page 13
	Top-Panel Maintenance Access	●	●	●	●	●	●
	Self-Diagnostic Function	●	●	●	●	●	●

FEATURES EXPLANATION

COMFORT

ECONAVI
Detects and reduces waste for more energy savings.

QUIET MODE

AIRFLOW DIRECTION CONTROL (UP & DOWN)

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

POWERFUL MODE

MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL

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

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.

AUTOMATIC OPERATION MODE (COOLING)

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

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.

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.

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.

REMOVABLE, WASHABLE PANEL

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

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

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

LONG PIPING

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

BLUE FIN CONDENSER

**TOP-PANEL MAINTENANCE ACCESS**

OPTIONAL ACCESSORIES

| ■ PIPE SIZE REDUCER		■ PIPE SIZE EXPANDER	■ RAC INTERFACE ADAPTOR	■ REMOTE CONTROL	
Use at the indoor unit's connection port		Use at the outdoor unit's connection port		Wired Remote Control	
CZ-MA1P	CZ-MA3P	CZ-MA2P	CZ-CAPRA1	CZ-RD514C	CZ-RD52CP
CS-S12MB4Z, CS-S18MB4Z	CS-S24MB4Z	CS-MS24SKH-1, MS28SKH-1, CS-MPS24SKH-1, CS-MS24SD3H-1, CS-S24MB4Z	CS-MS9SKH-1, CS-MS12SKH-1, CS-MS15SKH-1, CS-MS18SKH-1, CS-MS24SKH-1, CS-MS28SKH-1, CS-MPS9SKH-1, CS-MPS12SKH-1, CS-MPS15SKH-1, CS-MPS18SKH-1, CS-MPS24SKH-1, CS-MS9SD3H-1, CS-MS12SD3H-1, CS-MS18SD3H-1, CS-MS24SD3H-1	CS-MS9SKH-1, MS12SKH-1, CS-MS15SKH-1, CS-MS18SKH-1, CS-MS24SKH-1, CS-MS28SKH-1, CS-MPS9SKH-1, MPS12SKH-1, CS-MPS15SKH-1, CS-MPS18SKH-1, CS-MPS24SKH-1	CS-MS9SD3H-1, CS-MS12SD3H-1, CS-MS18SD3H-1, CS-MS24SD3H-1,

INDOOR DIMENSIONS

CS-MS9SKH-1 / CS-MS12SKH-1 / CS-MS15SKH-1

<Top View>

<Side View>
Air inlet direction

<Front View>

<Side View>

296

1~2   1~2

870

236   49   15   40.5

Air outlet direction

Left piping hole

<Bottom View>

45.5

95   60   60   65

(unit:mm)

CS-MS18SKH-1 / CS-MS24SKH-1 / CS-MS28SKH-1

<Top View>

<Side View>
Air inlet direction

<Front View>

1070

<Side View>

296

1~2   1~2

241   49   14.5   61

Left piping hole

Air outlet direction

<Bottom View>

44   44

96.5   57   57   86.5
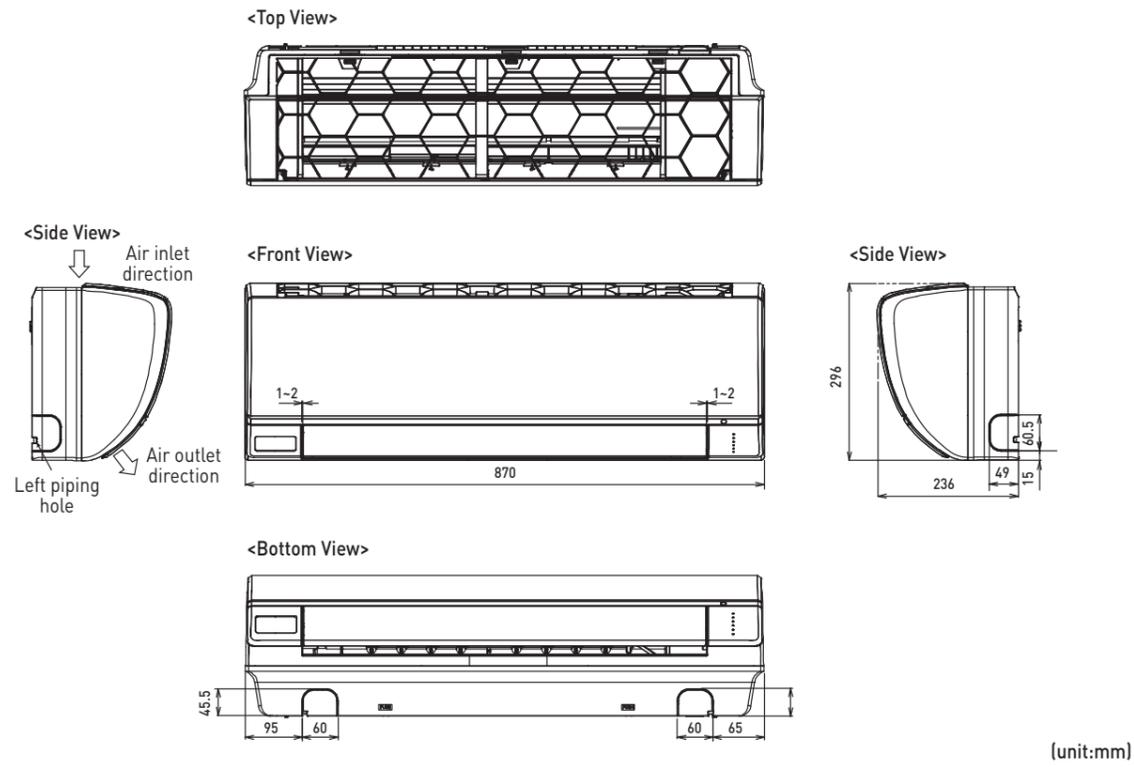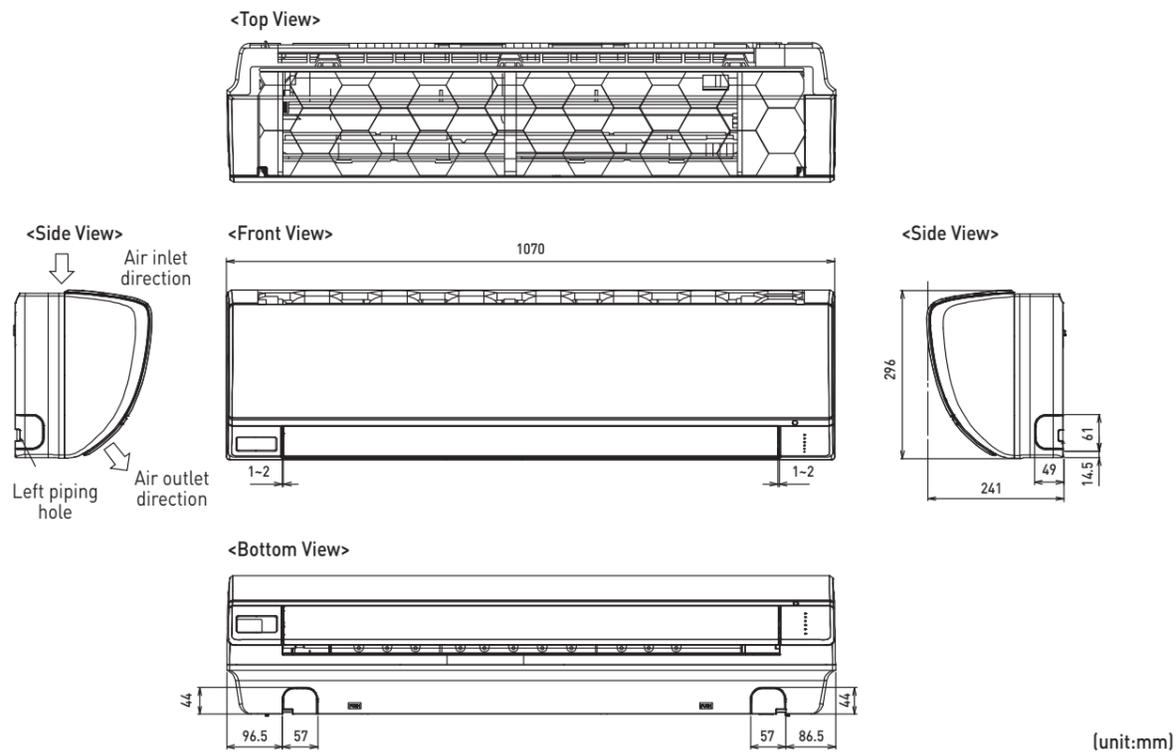
(unit:mm)

INDOOR DIMENSIONS

CS-MPS9SKH-1 / CS-MPS12SKH-1 / CS-MPS15SKH-1

<Top View>

(214)

<Side View>
Air inlet direction

<Front View>

<Side View>

214

290

61.1   45

1~2   870   1~2

Left piping hole

Air outlet direction

Right piping hole

<Bottom View>

60   60

125   115

(unit:mm)

CS-MPS18SKH-1 / CS-MPS24SKH-1

<Top View>

240

<Side View>
Air inlet direction

<Front View>

<Side View>

240

290

61.1   45

1~2   1070   1~2

Left piping hole

Air outlet direction

Right piping hole

<Bottom View>

60   60

125   115
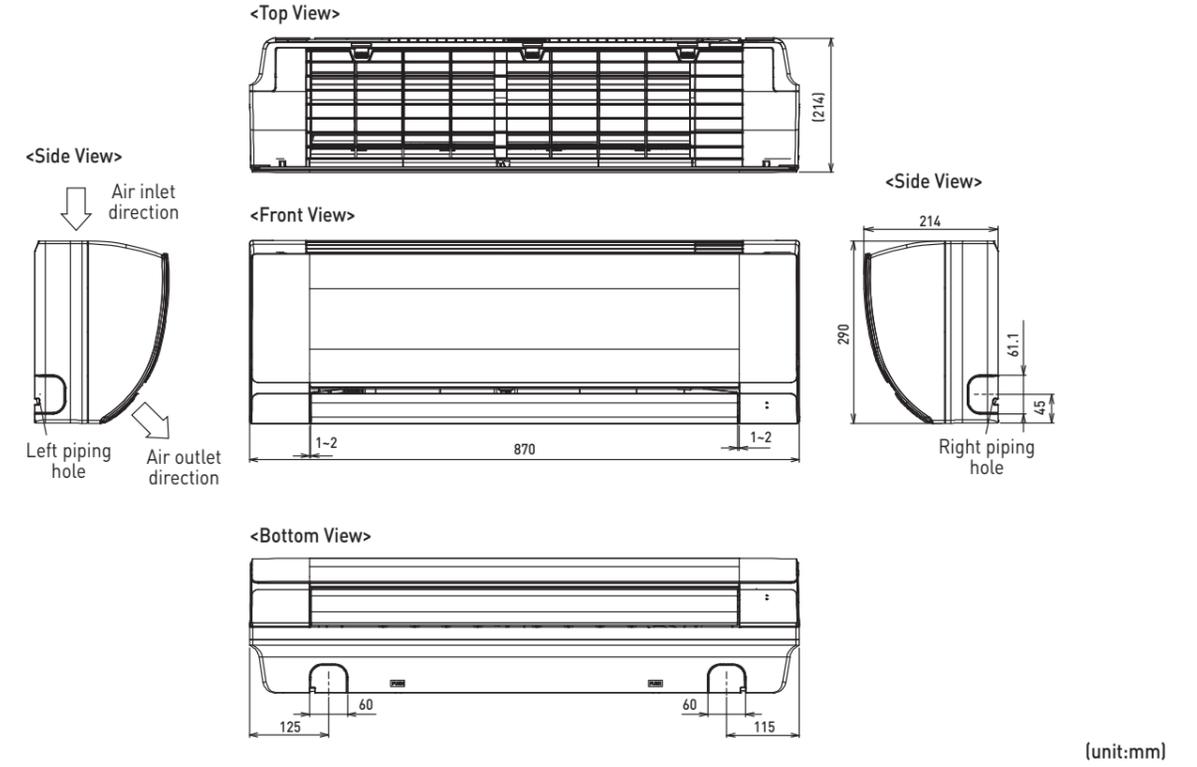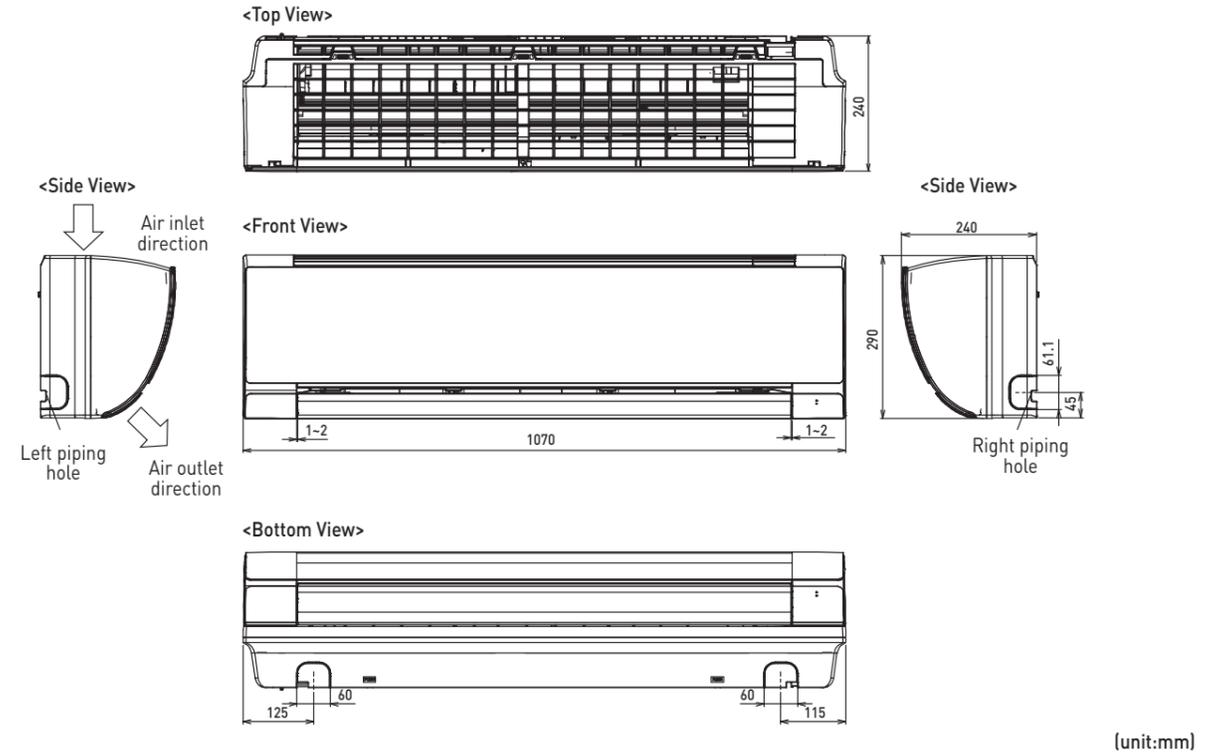
(unit:mm)

INDOOR DIMENSIONS

CS-S12MB4Z / CS-S18MB4Z / CS-S24MB4Z

30
90
190
Air Inlet

575
575
60
60
530 (Hanging bolt)
650 (Ceiling opening)
60
530 (Hanging bolt)
60
650 (Ceiling opening)

Gas piping 73 44 Liquid piping Drain pipe 142
260
25
100
151
700
700
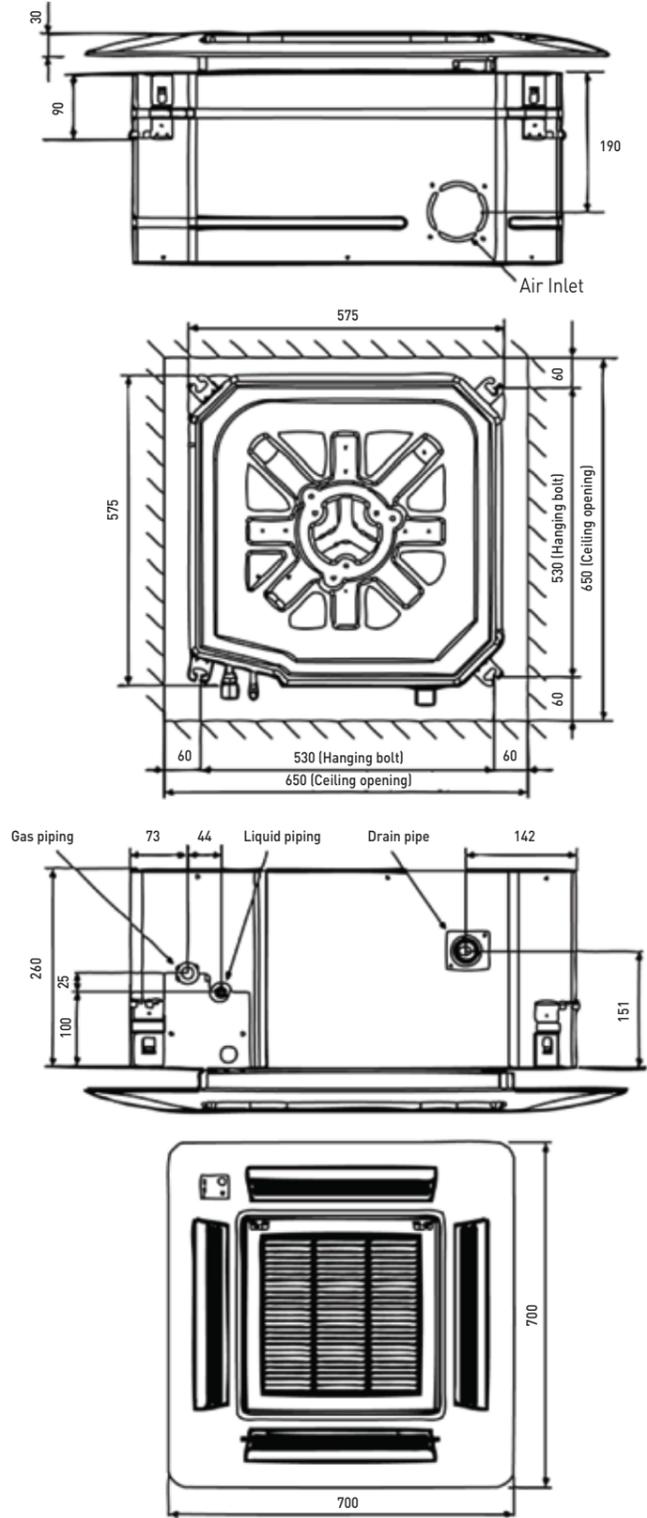
(unit:mm)

INDOOR DIMENSIONS

CS-MS9SD3H-1 / CS-MS12SD3H-1 / CS-MS18SD3H-1 / CS-MS24SD3H-1

<Front View>

(Air outlet Duct Flange)
692
(Air outlet Duct Flange)
145
96

<Top View>

26
160 X 4 = 640
5 - Ø 3.1 Hole
27
2 - Ø 3.1 Hole

<Side View>
84 30
28
10
81
143
238
Water Inlet
80
44
33 120
150
200
Drain port (upper & lower)

640
564

750
824
904

194

<Back View>

(Air Inlet)
126
680
(Air Inlet)
Air Filter

23
40
14
155
120
14
14
23
14
23 132 220 220 132 23
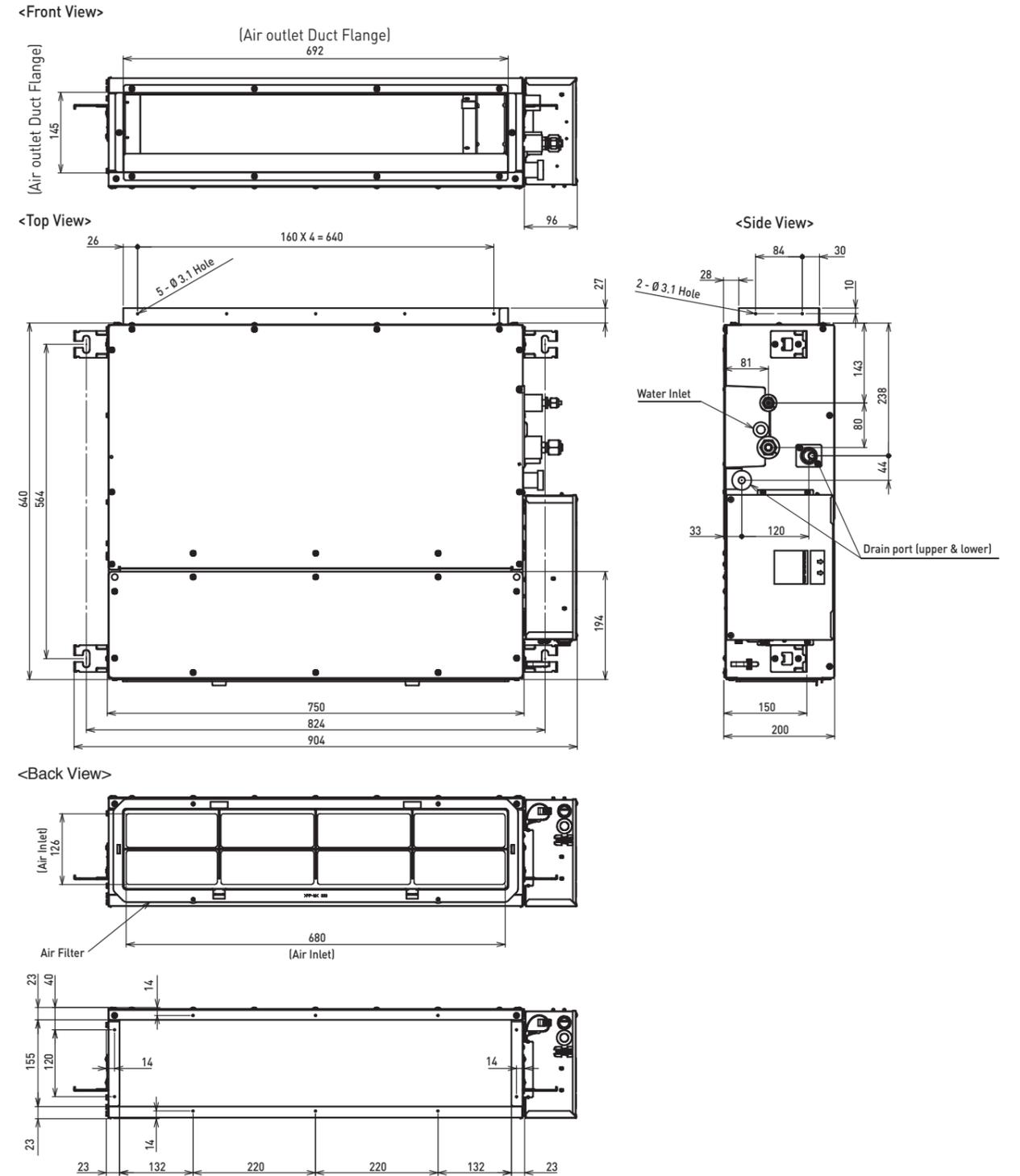
(unit:mm)

SPECIFICATIONS

RAC Interface Adaptor

This adaptor serves as an interface required to connect a central control device such as an intelligent controller with a room air conditioner. Using this adaptor can operate or monitor the room air conditioner from the the central control device. Panasonic room air conditioners equipped with the CN-CNT terminal are supported.
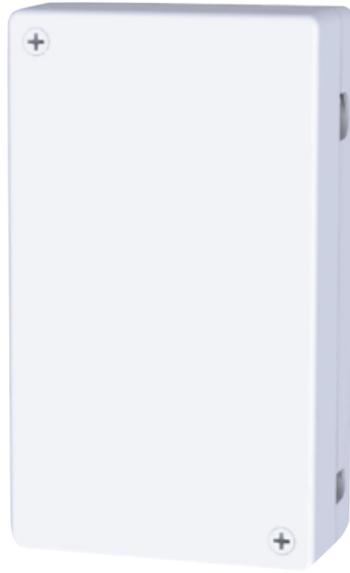
Model No.	CZ-CAPRA1
Dimensions (mm)	(H) 120 x (W) 70 x (D) 32.5
Weight	130 g
Power Source	DC12 V (Supplied with room air conditioner) (Connection wiring (1.9m) supplied with adaptor.)

DIMENSIONS

(mm)

108

120

35

70

32.5
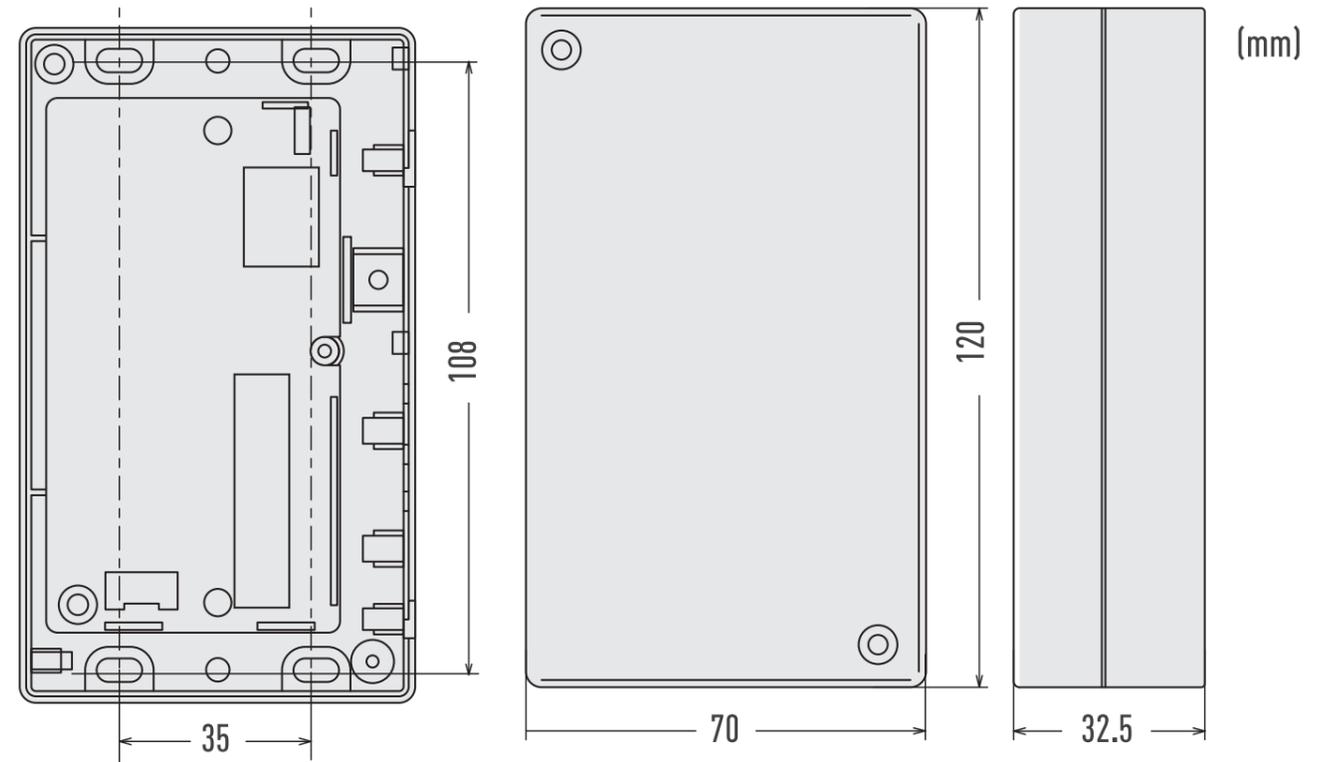
RAC INTERFACE ADAPTER

FSV-EX Series

Central Controller (System Controller CZ-64ESMC3)
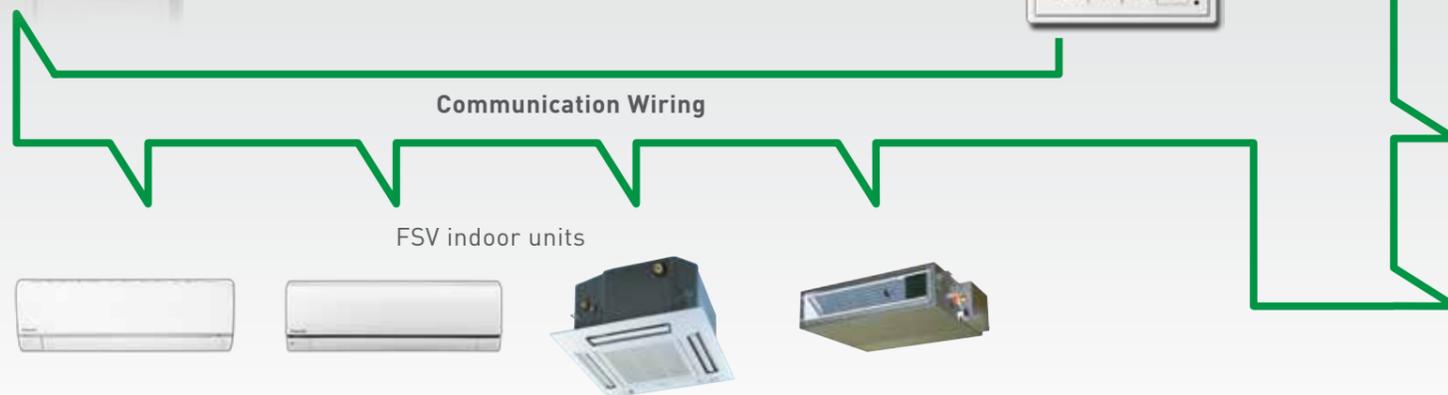
RAC Interface Adaptor

Wall-mounted

Wall-mounted
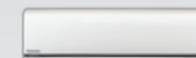
Slim Low Static Ducted

Slim Low Static Ducted

Communication Wiring

FSV indoor units

Need to control RAC by Central Controllers

Outdoor Unit

Wireless Remote Controller

■ Multi-Split Wiring

■ Supplied

■ P-Link