

Panasonic
ideas for life

Air Conditioners







*Q*shower

Models Line Up

Inverter Series








Choose the Best Inverter — Panasonic —

Single Inverter Split Type

	2.5	3.5	4.5	5.0	6.0	6.5(kW)	
Super Deluxe Models New  P12 ECO Inverter R410A		CS-XE9CKE (CU-XE9CKE)	CS-XE12CKE (CU-XE12CKE)				
Deluxe Models  P14 ECO Inverter R410A		CS-E9CKP (CU-E9CKP5)	CS-E12CKP (CU-E12CKP5)	CS-E15CKP (CU-E15CKP5)			
Deluxe-Wide Models New  P14 ECO Inverter R410A					CS-E18CKE (CU-E18CKE)	CS-E21CKE (CU-E21CKE)	CS-E24CKE (CU-E24CKE)
Standard Models New  P15 R410A		CS-PE9CKE (CU-PE9CKE)	CS-PE12CKE (CU-PE12CKE)				

2

Multi Inverter Split Type

	4.5	5.0	5.5	10.0	14.0 (kW)
Wall-Mounted  P16 ECO Inverter R410A	CS-ME7CKPG CS-ME10CKPG CS-ME12CKPG CS-ME14CKPG CS-ME18CKPG	2 rooms 4.4-5.0kW / 4.4-6.4kW	3 rooms 5.0-10.0kW	4 rooms 5.0-13.6kW	
Cassette New  P16 ECO Inverter R410A	CS-ME7CB1P CS-ME10CB1P CS-ME12CB1P CS-ME14CB1P	 CU-2E15CBPG	 CU-2E18CBPG	 CU-3E23CBPG	 CU-4E27CBPG
Hyde-Away New  P16 ECO Inverter R410A	CS-ME10CD3P CS-ME14CD3P				

See the table on page 17 for indoor unit and outdoor unit combinations.

Heat Pump Models
Cooling Models








Panasonic is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.


The 3 rooms and 4 rooms Multi-Split Type are not in the scope of the EUROVENT certification.

Mark indicating product meets German safety standards.

Single Split Type

		2.0	2.5	3.5	5.0	6.5	8.0 (kW)
Deluxe Models							
P18		R410A	CS-W7CKP (CU-W7CKP5)	CS-W9CKP (CU-W9CKP5)	CS-W12CKP (CU-W12CKP5)		
			CS-V7CKP (CU-V7CKP5)	CS-V9CKP (CU-V9CKP5)	CS-V12CKP (CU-V12CKP5)		
Deluxe Wide Models							
P18		R410A				CS-W18CKE (CU-W18CKE)	CS-W24CKE (CU-W24CKE)
						CS-V18CKE (CU-V18CKE)	CS-V24CKE (CU-V24CKE)
P18		R407C					CS-W28BKP5 (CU-W28BKP5)
							CS-V28BKP5 (CU-V28BKP5)
Standard Models							
P19		R410A		CS-PW9CKE (CU-PW9CKE)	CS-PW12CKE (CU-PW12CKE)		
				CS-PV9CKE (CU-PV9CKE)	CS-PV12CKE (CU-PV12CKE)		
Standard Wide Models							
P19		R410A				CS-PW18CKE (CU-PW18CKE)	

Floor or Ceiling Split Type

Dual-Mountable							
P21		R410A			CS-W12CTP (CU-W12CTP5)	CS-W18CTP (CU-W18CTP5)	CS-W24CTP (CU-W24CTP5)
						CS-V12CTP (CU-V12CTP5)	CS-V18CTP (CU-V18CTP5)

Multi Split Type

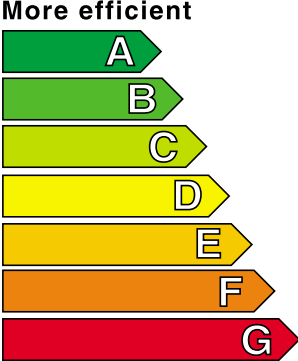

Two Rooms							
P20		R410A		CS-V9BKPG _{x2} (CU-2V14BKP5G)	CS-V9BKPG _{x2} (CU-2V18BKP5G)		
Different Capacities							
P20		R410A	CS-V7BKPG CS-V12BKPG (CU-2V19BKP5G)				
Three Rooms							
P20		R410A		CS-V9BKPG _{x3} (CU-3V20BKP5G)			

Information On Energy-Saving Classification

According to a new EC Directive, the indication of the Energy Efficiency classification on household air conditioners became compulsory as of July 2003. This aims to provide consumers with clear and objective information regarding energy-saving, and to encourage them to select products that are environmentally friendly.

An Energy Label, like that shown in the sample below, will be provided in shop displays. In the label, the equipment is rated, with "A" being the most efficient. You may notice these labels and ratings appearing soon in shops that sell air conditioners. For easy understanding, the following information will be indicated for each model.

What is listed on the label?

Energy		Air-conditioner
Manufacturer	Panasonic	
Outside unit	CU-***	
Inside unit	CS-***	
More efficient		
	A	
Less efficient		
Annual energy consumption, kWh in cooling mode	***	
<small>(Actual consumption will depend on how the appliance is used and climate)</small>		
Cooling output kW	***	
Energy efficiency ratio	***	
<small>Full load (the higher the better)</small>		
Type	Cooling only	—
	Cooling + Heating	←
	Air cooled	←
	Water cooled	—
Heat output kW	***	
Heating performance	A	
<small>A: higher G: lower</small>		
Noise	**	
<small>(dB(A) re 1 pW)</small>	**	
Further information is contained in product brochures		
<small>Air-conditioner Energy Label Directive 2002/31/EC</small>		

The product name

The model number

The class

An energy efficiency class in seven steps, from A to G

Annual energy consumption

The annual energy consumption is calculated by multiplying the total power input by an average of 500 hours per year in cooling mode at full load.

The Energy Efficiency Ratio (EER)

The higher the EER, the greater the energy efficiency.

The type of air conditioner

The noise

Outdoor
Indoor



Classifications

There are seven classifications of energy efficiency, from A to G. The most efficient level is "A" and the least efficient level is "G."

Energy efficiency class of the unit in **COOLING** mode

A	$3.20 < \text{EER}$
B	$3.20 \geq \text{EER} > 3.00$
C	$3.00 \geq \text{EER} > 2.80$
D	$2.80 \geq \text{EER} > 2.60$
E	$2.60 \geq \text{EER} > 2.40$
F	$2.40 \geq \text{EER} > 2.20$
G	$2.20 \geq \text{EER}$

Energy efficiency class of the unit in **HEATING** mode

A	$3.60 < \text{COP}$
B	$3.60 \geq \text{COP} > 3.40$
C	$3.40 \geq \text{COP} > 3.20$
D	$3.20 \geq \text{COP} > 2.80$
E	$2.80 \geq \text{COP} > 2.60$
F	$2.60 \geq \text{COP} > 2.40$
G	$2.40 \geq \text{COP}$

These classifications are for split and multi-split air-cooled air conditioners.

We have long developed Panasonic air conditioners to be environmentally friendly and to reduce the customer's electricity bill.

Now you will be able to recognize Panasonic's energy-efficient line-up at a glance.



O₂ Shower—Shift to a Natural, Oxygen

Panasonic Air Conditioners Optimize Your Room's Oxygen Balance

Panasonic's new CS-XE9CKE and CS-XE12CKE air conditioners turn ordinary air into healthy, comfortable oxygen-rich air.

Using a special membrane, these models give your room an oxygen concentration of around 21% or higher, the same as natural outdoor air. Go ahead, breathe deep and enjoy.

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O₂ shower

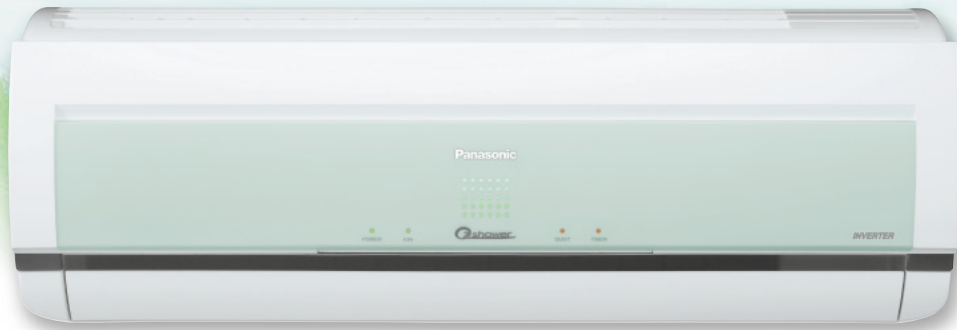
O₂ Topics

Why is it necessary to control the oxygen balance of the room?

Because it often becomes too low.

Every time we take a breath, we consume oxygen. Many rooms are mostly closed environments, so the oxygen concentration drops as people breathe. When it drops below 18%, you feel uncomfortable. Adding oxygen helps maintain a room environment that's pleasant, comfortable and good for your health.

-Rich Environment



CS-XE9CKE/CS-XE12CKE

Three Reasons Why Panasonic Can Create Comfortable, Natural Environments

7

1 **O₂ Shower**
Enhances Comfort

2 **Ion Freshener**
Refreshes

3 **Catechin Air Purifying Filter**
Cleans the Air



Three Reasons for Panasonic's Natural



1 O₂ Shower

2 Ion Freshener

3 Catechin Air Purifying Filter

1 O₂ Shower Enhances Comfort

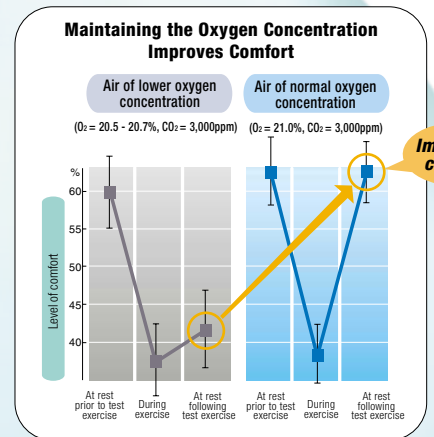


Fills Your Room with Vital Oxygen

The oxygen content in room air may drop, making the room feel stale and unpleasant. Using a unique oxygen enrichment membrane system, Panasonic's new air conditioners take in air from the outside and use it to produce air that has about 30% oxygen concentration, then supply it to your room. This helps keep the room at an oxygen concentration of around 21% or

higher, the same level found in nature –which makes you feel more comfortable (see graph at right). The oxygen enrichment membrane has no holes, so it prevents small dust particles, bacteria and other harmful elements from passing into the room. You get only clean, fresh, oxygen-rich air to breathe.

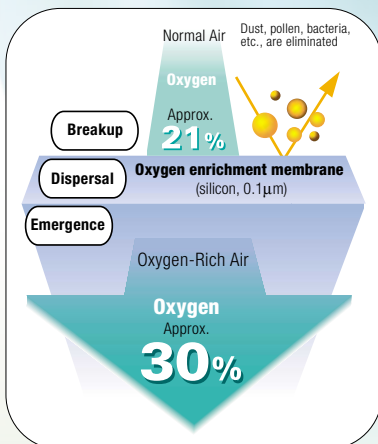
8



A study of brain waves has shown that oxygen-rich air enables quicker recovery from emotional stress, and also enhances comfort.

For two minutes, quietly breathe in air with a normal oxygen concentration (O₂ = 21.0%, CO₂ = 3,000 ppm) or air with a lower oxygen concentration (O₂ = 20.5% to 20.7%, CO₂ = 3,000 ppm). Then take Kraepelin's stress test for five minutes and remain quiet for two more minutes. The calculation model based on the right frontal α -wave frequency rhythm (corresponding to a stimulating sensation) and the left frontal α -wave frequency rhythm (corresponding to pleasant and unpleasant feelings) was given the 2002 Achievement Award by the Ministry of Education, Culture, Sports, Science and Technology in Japan.

Producing Oxygen-Rich Air with the Membrane



* Varies depending on the environment



Panasonic's Unique Oxygen Enrichment Membrane System

Bringing Air with About 30% Oxygen Concentration into Your Room for Greater Comfort

The outdoor unit draws in outside air and passes it through the built-in membrane, boosting the oxygen level to around 30%. This oxygen-rich air is then sent by an oxygen supply vacuum pump through a tube to the indoor unit and into your room. This keeps the oxygen concentration of the room's air at around 21% or higher.

2 Ion Freshener

Refreshes

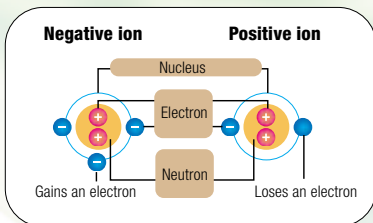
Refresh Your Room with Negative Ions

It is known that areas rich in negative ions, like near waterfalls and forests, generally make people feel refreshed.

Just press a button on the remote control and the air conditioner generates negative ions. Soon your room is filled with refreshing ions.



What Are Negative Ions?



An Abundance of Natural Negative Ions

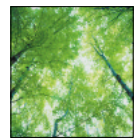
8,500 to 12,000 ions/cc



Park Fountains



Waterfalls



Forests

3 Catechin

Air Purifying Filter

Cleans the Air

Removes Air Pollutants and Deactivates About 98% of the Captured Viruses



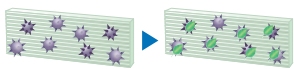
The catechin air purifying filter catches dust mites, cigarette smoke, and other common pollutants. It also traps and inactivates

microscopic viruses and bacteria, rendering them harmless and impeding the spread of contagious diseases.

Virus Deactivation Comparison

* Virus activity rate after six hours at room temperature

Filter Treated with Catechin
98% of the captured viruses are inactivated.



After 6 hours of use

Untreated Filter
The captured viruses remain active.



After 6 hours of use

Test conditions / Catechin amount: 2.5 g/m², Virus studied: Coxsackie virus, which is tougher to deactivate than influenza virus.
* This data is for the filter unit only. It does not indicate the effect in actual operation.

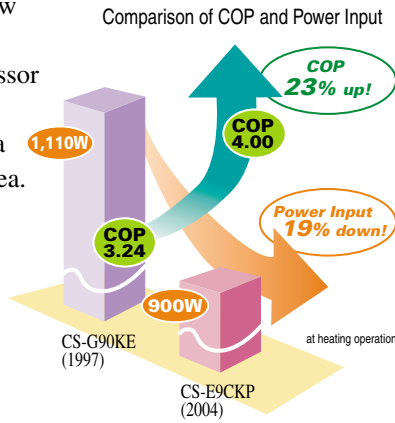
Panasonic's Four Keys to More Comfort

ECONOMICAL

Energy-Saving



Panasonic's new air conditioner models save even more energy than before in all capacity ranges. Our CS-E9CKP boast a COP (coefficient of performance) of 4.00, which means you can run your air conditioner for longer periods with less worry about the electric bill. A host of Panasonic original technologies team up to save energy, including our new high-efficiency e-scroll Compressor and a new heat exchanger with a larger surface area.



COMFORTABLE

Super Quiet



The indoor unit operates at a whisper-quiet 26 dB. You can also press the Quiet Mode button to lower the operating noise 3 dB. We've reduced the noise of the outdoor unit, too, with the e-scroll Compressor and 2-Wing Fan. You can run the air conditioner at night and enjoy a deeper, more comfortable sleep, and without bothering your neighbours.



*1 CS-XE9CKE, CS-E9CKP, CS-W7CKP, CS-W9CKP, CS-V7CKP, CS-V9CKP, CS-V7BKP, CS-V9BKP
 : In cooling mode with low fan speed
 *2 CU-XE9CKE, CU-E9CKP5, CU-V7CKP5: In cooling mode

CONVENIENT

Luminous Remote Controller



Luminous buttons make it easier to find and use the remote controller even in the dark. The glow comes from a naturally luminous material, so no battery power is required.

Applicable Models:
 All Split Type except CS-PE9CKE, CS-PE12CKE, CS-PW9CKE, CS-PW12CKE, CS-PW18CKE, CS-PV9CKE, CS-PV12CKE, CS-W28BKP5, CS-V28BKP5

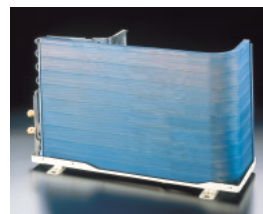


DURABLE

Blue Fin Condenser

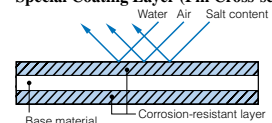


Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has tripled the life of our condensers with an original anti-rust coating.

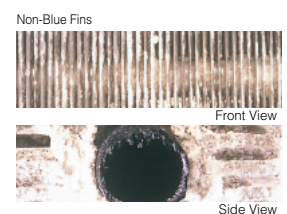
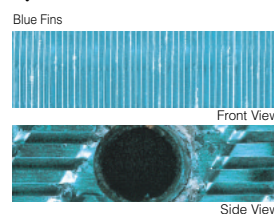


Applicable Models:
 Single Split Wall-Mounted Type except CU-PE9CKE, CU-PE12CKE, CU-PW9CKE, CU-PW12CKE, CU-PW18CKE, CU-PV9CKE, CU-PV12CKE, CU-W28BKP5, CU-V28BKP5

Special Coating Layer (Fin Cross-section)



Cyclic Corrosion Test Results



This was tested by:
 1. Matsushita Air Conditioning R&D Centre Sdn. Bhd.
 2. A third party authorized research institute in Malaysia.

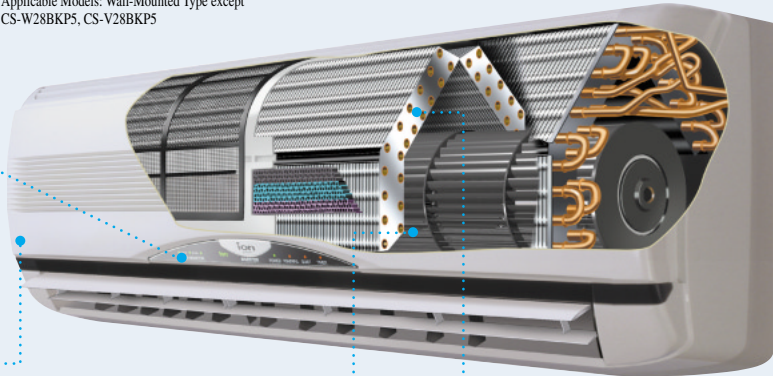
Technologies that Deliver New Levels of Comfort

Stylish Design

Applicable Models: Wall-Mounted Type except CS-W28BKP5, CS-V28BKP5



Mirror-finish indicator panel



CS-E9CKP, CS-E12CKP, CS-E15CKP

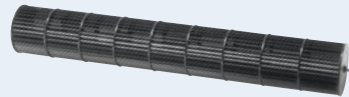
Removable, Washable Panel



Applicable Models: Wall-Mounted Type except CS-XE9CKE, CS-XE12CKE, CS-W28BKP5, CS-V28BKP5

Cross-Flow Fan

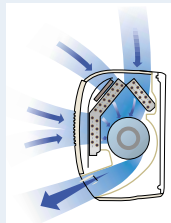
We increased the diameter of the cross-flow fan by 90 mm to improve the airflow path. This maintains super-quiet operation while the increased airflow sends clean, comfortable air to every corner of the room.



Applicable Models: Wall-Mounted Type except CS-W28BKP5, CS-V28BKP5

Double-Bend Heat Exchanger

This structure gives the heat exchanger a large surface area for higher efficiency. Now we've improved heat-exchange efficiency even further by increasing to 15 the number of rows of copper piping.

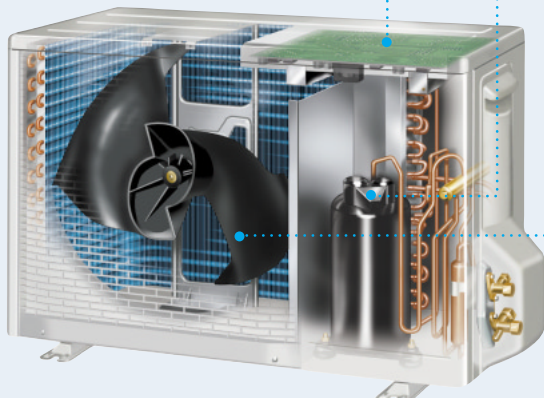


Applicable Models: Wall-Mounted Type except CS-PE9CKE, CS-PE12CKE, CS-PW9CKE, CS-PW12CKE, CS-PW18CKE, CS-PV9CKE, CS-PV12CKE, CS-W28BKP5, CS-V28BKP5

PFC Control Inverter

Panasonic inverter models are more energy-efficient than ever, thanks to newly developed PFC (power-factor corrector) circuitry that reduces electrical loss from the power source and increases maximum input.

Applicable Models: Inverter Models



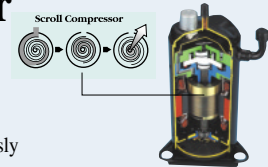
e-scroll Compressor

Saves energy: Newly developed bearing reduces oscillation and mechanical loss.

Compact size, light weight: New DC motor with rare-earth magnet and no accumulator.

Less noise and vibration: Smooth, continuously operating vortex blades.

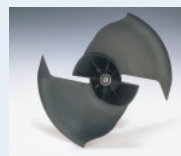
Applicable Models: Single Inverter Split Type except CU-E24CKE, CU-PE9CKE, CU-PE12CKE



2-Wing Fan

The new 2-Wing Fan makes the outdoor unit even quieter by suppressing airflow noise, and improves efficiency by pulling in more air.

Applicable Models: Single Split Type except CU-PE9CKE/PE12CKE/PW9CKE/PW12CKE/PW18CKE/PV9CKE/PV12CKE/W28BKP5/V28BKP5

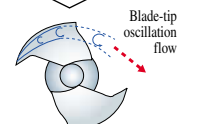


A System that Improves Airflow

CONVENTIONAL



NEW



Single Inverter Split Type

Super Deluxe Models

See Specifications P.28



New



With
•Bilingual Sticker
•Unit Holder

**Extended Piping—
Up to 15m!**

Heat Pump Models

CS-XE9CKE A

2.60 kW (0.60-3.00 kW) EER: 3.71
3.60 kW (0.60-5.00 kW) COP: 4.00

26dB

CS-XE12CKE A

3.45 kW (0.60-4.00 kW) EER: 3.63
4.80 kW (0.60-6.50 kW) COP: 3.81



CU-XE9CKE/
XE12CKE

26dB

26dB Super Quiet in cooling mode with low fan speed

Cooling

Heating

12

Three Key Features of the New O₂ Shower Models

O₂ Shower
Enhances Comfort **1**

Oxygen-rich air is delivered into the room, keeping the overall oxygen concentration at around 21% or higher — about the same as in the natural environment.

Ion Freshener
Refreshes **2**

Around 20,000 negative ions/cc are generated to freshen the room. It's like being next to a waterfall or in a forest.

Catechin Air Purifying Filter
Cleans the Air **3**

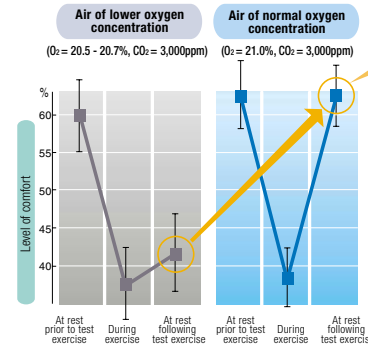
Catechin is a natural substance that removes pollutants – dust, mites, particles of cigarette smoke and more – from the room air. It also deactivates about 98% of the captured viruses.

O₂ Shower: For Clean, Oxygen-Rich Air

O₂ Shower air conditioners are equipped with Panasonic's original Oxygen Enrichment Membrane system. This system produces air with an oxygen concentration of around 30% and adds it to your room, helping to keep the oxygen

concentration of the room's air at around 21% or higher – about the same as in the natural environment. Studies have shown that this kind of environment has a comforting effect on people. (See graph at right.)

Maintaining the Oxygen Concentration Improves Comfort



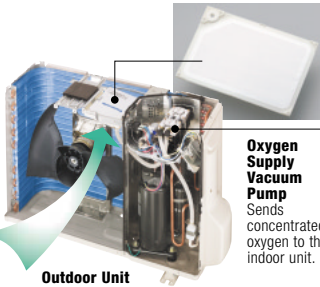
Improves comfort

A study of brain waves has shown that oxygen-rich air enables quicker recovery from emotional stress, and also enhances comfort.

For two minutes, quietly breathe in air with a normal oxygen concentration (O₂ = 21.0%, CO₂ = 3,000 ppm) or air with a lower oxygen concentration (O₂ = 20.5% to 20.7%, CO₂ = 3,000 ppm). Then take Kraepelin's stress test for five minutes and remain quiet for two more minutes. The calculation model based on the right frontal α-wave frequency rhythm (corresponding to a stimulating sensation) and the left frontal α-wave frequency rhythm (corresponding to pleasant and unpleasant feelings) was given the 2002 Achievement Award by the Ministry of Education, Culture, Sports, Science and Technology in Japan.

Special Membrane Raises Oxygen Concentration to Around 30%

Oxygen Enrichment Membrane



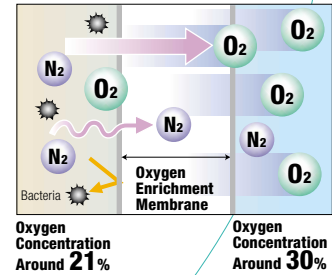
Oxygen Supply Vacuum Pump Sends concentrated oxygen to the indoor unit.

Outdoor Unit Draws in outside air.

The outdoor unit draws in air and forces it through an oxygen enrichment membrane. The membrane is a special film that lets oxygen molecules pass through about 2.5 times faster than nitrogen molecules, so it produces air with an oxygen concentration

of around 30%. The oxygen enrichment membrane also has no holes, so no dust particles, bacteria, or other harmful elements can pass into the room. This means you get only clean, fresh, oxygen-rich air to breathe.

How the Oxygen Enrichment Membrane Raises the Oxygen Concentration to Around 30%



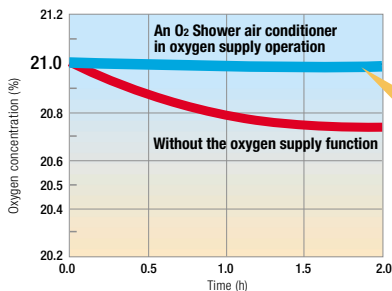
Keeps Oxygen Concentration of the Room's Air at Around 21% or Higher

Air with an oxygen concentration of around 30% is supplied to the indoor unit, helping to maintain an overall room oxygen concentration of

around 21% or higher. The oxygen supply function can be used by itself, or together with cooling or drying.

The O₂ Shower Keeps the Oxygen Concentration at Around 21% or Higher.

Change in Oxygen Concentration

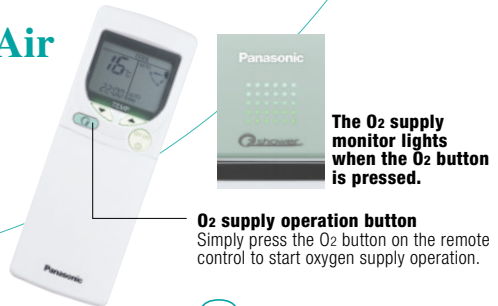


The oxygen concentration remains at around 21% or higher even with four people in a closed room for two hours.

Without an extra oxygen supply, the oxygen concentration drops.

Test Conditions / Number of persons present: 4 (2 adults and 2 children), Room area: 13 m², Ventilation frequency: Approx. 1 time/30 min, Outdoor temperature: 20°C, When the oxygen supply system is operated alone.

* Panasonic measurements / The oxygen concentration can vary depending on room shape, personal oxygen consumption and other factors.



The O₂ supply monitor lights when the O₂ button is pressed.

O₂ supply operation button Simply press the O₂ button on the remote control to start oxygen supply operation.

O₂ Topics

An oxygen concentration of less than 18% may lead to an oxygen deficiency!

The relationship between oxygen concentration and oxygen deficiency disorders such as anoxia (based on Henderson's classification)

Concentration of oxygen in the air	Anoxia and other symptoms
18%	Safety zone borderline
16~12%	An increase in pulse and respiratory rates, headaches, a lack of concentration
14~9%	Reduced judgment capability, nausea, a rise in body temperature
10% or lower	Hallucination, loss of consciousness

An oxygen concentration of at least 18% is required in work environments.

A sufficient oxygen supply (the maintenance of an adequate oxygen concentration) is extremely important for overall health.

Single Inverter Split Type

Deluxe Models

See Specifications P.28



ECO Inverter

ion freshener

Catechin Filter

Triple Deodorizing Filter

Luminous Remote Controller

Blue Fin Condenser



With
•Bilingual Sticker
•Unit Holder



CU-E9CKP5/E12CKP5 /E15CKP5

**Extended Piping—
Up to 15m!**

Heat Pump Models

CS-E9CKP A

2.60 kW (0.60-3.00 kW) EER: 3.71
3.60 kW (0.60-5.00 kW) COP: 4.00

CS-E12CKP A

3.45 kW (0.60-4.00 kW) EER: 3.63
4.80 kW (0.60-6.50 kW) COP: 3.81

CS-E15CKP

4.40 kW (0.60-5.00 kW) EER: 3.14
5.30 kW (0.60-6.80 kW) COP: 3.51

26dB

Deluxe Wide Models

See Specifications P.28



New

ECO Inverter

ion freshener

Catechin Filter

Triple Deodorizing Filter

Luminous Remote Controller

Blue Fin Condenser



With
•Bilingual Sticker
•Unit Holder



CU-E18CKE/E21CKE /E24CKE

**Extended Piping—
Up to 25m!**

Heat Pump Models

CS-E18CKE A

5.30 kW (0.96-6.00 kW) EER: 3.21
6.60 kW (0.90-8.00 kW) COP: 3.69

CS-E21CKE

6.30 kW (0.90-7.10 kW) EER: 2.85
7.20 kW (0.90-8.50 kW) COP: 3.43

CS-E24CKE

6.80 kW (0.90-8.10 kW) EER: 2.82
8.60 kW (0.80-9.90 kW) COP: 3.17

26dB

26dB Super Quiet in cooling mode with low fan speed

Cooling

Heating

Inverter Series

Choose the Best Inverter — Panasonic —

Standard Models

See Specifications P.28



New

Catechin Filter
(Option)

Triple Deodorizing Filter
(Option)



With
•Bilingual Sticker

**Extended Piping—
Up to 15m!**



CU-PE9CKE/PE12CKE

Heat Pump Models

CS-PE9CKE **A** **CS-PE12CKE **A****

2.50 kW (0.90-3.00 kW) EER: 3.21
3.30 kW (0.90-4.00 kW) COP: 3.63

3.15 kW (0.90-3.80 kW) EER: 3.21
4.10 kW (0.90-5.00 kW) COP: 3.63

Cooling

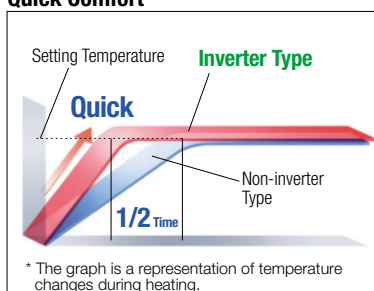
Heating

The Difference in Power and Comfort: Advanced Inverter Performance

Quick Comfort

As soon as the ECO Inverter is switched on, it provides the exact amount of power needed to rapidly cool or heat of the room. This enables it to reach the set temperature in about half the time required by non-inverter models. So you're comfortable soon after you arrive home on a hot summer day, or on a cold winter morning.

Quick Comfort

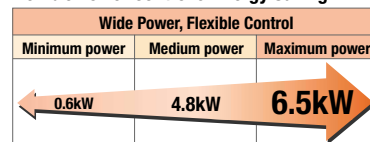


* The graph is a representation of temperature changes during heating.

Energy Saving

For optimum use of limited energy resources, the ECO Inverter features an inverter circuit providing extremely efficient operation. Improved heat exchanger and compressor performance, precise microcomputer control and other innovations further assure dramatically boosted efficiency. So even though you get speedy, flexible operation, you use less electricity. What's more, low energy consumption means operation that's more environment-friendly than ever.

Flexible Power Control & Energy Saving

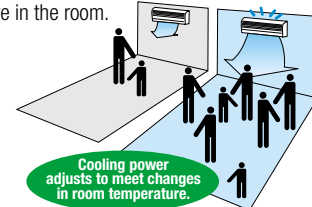


The graph shows the CS-E12CKP's wide power output range during heating.

Flexible Power Control

You're always comfortable with the ECO Inverter. After quickly reaching the set temperature, it finely adjusts output power to maintain a constant temperature. So there are no uncomfortable temperature swings, while electricity is used more efficiently. Broad output power capability also assures continued comfort even if the number of people in a room changes. And at maximum output, the ECO Inverter can deliver warm comfort even in the coldest winters.

Gentle cooling when fewer people are in the room.



Powerful cooling when there are more people.

Multi Inverter Split Type

See page 24 for the Energy-Saving classifications.

Wall-Mounted

See Specifications P.24-P.27



Heat Pump Models

CS-ME7CKPG [2.2 kW class] **CS-ME10CKPG** [2.8 kW class] **CS-ME12CKPG** [3.2 kW class]
CS-ME14CKPG [4.0 kW class] **CS-ME18CKPG** [5.0 kW class]



With
•Bilingual Sticker
•Unit Holder

2 rooms

CU-2E15CBPG



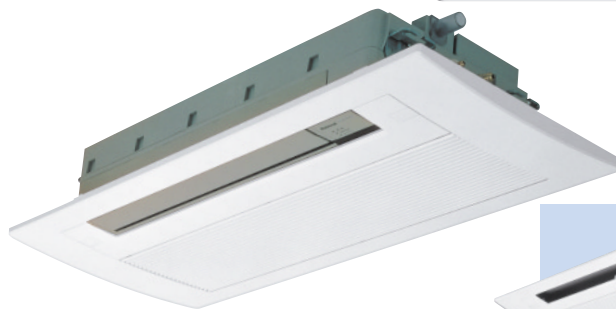
CU-2E18CBPG



Cassette

See Specifications P.25-P.27

New



Heat Pump Models

CS-ME7CB1P [2.2 kW class] **CS-ME10CB1P** [2.8 kW class]
CS-ME12CB1P [3.2 kW class] **CS-ME14CB1P** [4.0 kW class]

3 rooms

CU-3E23CBPG



Hyde-Away

See Specifications P.25-P.27

New



Heat Pump Models

CS-ME10CD3P [2.8 kW class] **CS-ME14CD3P** [4.0 kW class]

4 rooms

CU-4E27CBPG





Inverter Series

Choose the Best Inverter — Panasonic —

Advantages of the Multi Inverter System

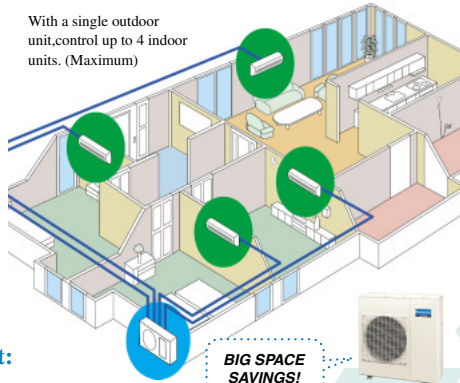
● **Adjust the operation settings for each indoor unit independently.**

● **Quiet-operating outdoor unit** **48 dB**

The CU-4E27CBPG produces sound levels of only 48 dB when all four indoor units are operating, 4 dB quieter than the sound produced by four comparable CU-V7CKP5 single split-type units operating simultaneously.

● **Space-saving outdoor unit:** **65% less space than four single split types.**

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



BIG SPACE SAVINGS!

CU-4E27CBPG

Single Split Type CU-V7CKP5

Inverter Control

The inverter is well known for energy-saving, quick comfort and flexible power control. Our new compressor saves more energy while reducing vibration, noise and unit size.





Gentle to the Environment

For Global Warming Protection
Energy Saving Design

Protecting the Ozone Layer
New Refrigerant Adopted

Conserving Limited Natural Resources
Recyclable Design

Combination Patterns

Models	Indoor units: Possible Combination Patterns <small>* Must be within capacity range.</small>	Capacity Range	Refrigerant pipe diameter			Pipe extension				Indoor Unit Type	Wall-Mounted	Cassette	Hyde-Away	
			Indoor unit	Liquid side	Gas side	Maximum pipe length (1 room)	Maximum pipe length (total)	Maximum chargeless length	Additional Gas					Maximum height
2 rooms CU-2E15CBPG  H x W x D: 540 x 780(+70) x 289 mm Weight: 38 kg	A 2.2 2.8 * Either unit B 2.2 2.8 * Either unit <small>* At least two indoor units must be connected.</small>	4.4 5.0 kW <small>Make sure to keep combinations within this range.</small>	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	Combination 2.2	●		
			Room B	ø 6.35	ø 9.52						Combination 2.8	●		●
2 rooms CU-2E18CBPG  H x W x D: 540 x 780(+70) x 289 mm Weight: 38 kg	A 2.2 2.8 3.2 * Either unit B 2.2 2.8 3.2 * Either unit <small>* At least two indoor units must be connected.</small>	4.4 6.4 kW <small>Make sure to keep combinations within this range.</small>	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	Combination 2.2	●		
			Room B	ø 6.35	ø 9.52						Combination 2.8	●		●
3 rooms CU-3E23CBPG  H x W x D: 735 x 826(+110) x 300 mm Weight: 57 kg	A 2.2 2.8 3.2 4.0 5.0 * Either unit B 2.2 2.8 3.2 4.0 5.0 * Either unit C 2.2 2.8 3.2 4.0 5.0 * Either unit <small>* At least two indoor units must be connected.</small>	5.0 10.0 kW <small>Make sure to keep combinations within this range.</small>	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	Combination 2.2	●	●	
			Room B	ø 6.35	ø 9.52						Combination 2.8	●	●	●
			Room C	ø 6.35	ø 9.52						Combination 3.2	●	●	●
			Room C	ø 6.35	ø 9.52						Combination 4.0	●	●	●
4 rooms CU-4E27CBPG  H x W x D: 908 x 900 x 320 mm Weight: 73 kg	A 2.2 2.8 3.2 4.0 5.0 * Either unit B 2.2 2.8 3.2 4.0 5.0 * Either unit C 2.2 2.8 3.2 4.0 5.0 * Either unit D 2.2 2.8 3.2 4.0 5.0 * Either unit <small>* At least two indoor units must be connected.</small>	5.0 13.6 kW <small>Make sure to keep combinations within this range.</small>	Room A	ø 6.35	ø 9.52	25 m	70 m	40 m	20 g/m	15 m	Combination 2.2	●	●	
			Room B	ø 6.35	ø 9.52						Combination 2.8	●	●	●
			Room C	ø 6.35	ø 9.52						Combination 3.2	●	●	●
			Room C	ø 6.35	ø 9.52						Combination 4.0	●	●	●
			Room D	ø 6.35	ø 9.52						Combination 5.0	●		

Single Split Type

Deluxe Models

See Specifications P.29, P.30



With
•Bilingual Sticker
•Unit Holder

Heat Pump Models

CS-W7CKP A **CS-W9CKP A** **CS-W12CKP A**

2.38 kW EER: 3.61
2.45 kW COP: 4.12

2.90 kW EER: 3.41
3.14 kW COP: 4.03

3.74 kW EER: 3.40
4.09 kW COP: 3.82

Cooling Models

CS-V7CKP A **CS-V9CKP A** **CS-V12CKP A**

2.40 kW EER: 3.69

3.02 kW EER: 3.64

3.70 kW EER: 3.43

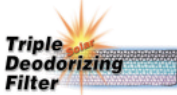


CU-W7CKP5/W9CKP5
/W12CKP5/V7CKP5
/V9CKP5/V12CKP5

Deluxe Wide Models

See Specifications P.29, P.30

New



With
•Bilingual Sticker
•Unit Holder

Heat Pump Models

CS-W18CKE **CS-W24CKE**

5.30 kW EER: 3.21
5.55 kW COP: 3.26

7.03 kW EER: 2.53
7.72 kW COP: 2.87

Cooling Models

CS-V18CKE A **CS-V24CKE**

5.30 kW EER: 3.25

7.03 kW EER: 2.70



CU-W18CKE
/W24CKE
/V18CKE
/V24CKE



With Bilingual Sticker

Heat Pump Models

CS-W28BKP5 **CS-V28BKP5**

7.90 kW EER: 2.65
9.20 kW COP: 2.63

7.90 kW EER: 2.65



CU-W28CKP5
/V28CKP5

Standard Models

See Specifications P.29, P.30



New

Catechin Filter

(Option)

Triple Deodorizing Filter

(Option)



With
•Bilingual Sticker

Heat Pump Models

CS-PW9CKE

2.65 kW EER: 3.01

2.85 kW COP: 3.43

CS-PW12CKE

3.40 kW EER: 2.83

3.60 kW COP: 3.21

Cooling Models

CS-PV9CKE **A**

2.65 kW EER: 3.23

CS-PV12CKE

3.52 kW EER: 3.01



CU-PW9CKE/PV12CKE
/PV9CKE/PV12CKE

Standard Wide Models

See Specifications P.31



New

Catechin Filter

(Option)

Triple Deodorizing Filter

(Option)



With
•Bilingual Sticker

Heat Pump Models

CS-PW18CKE

5.10 kW EER: 2.91

5.30 kW COP: 3.35



CU-PW18CKE

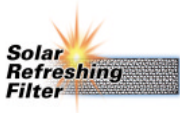
Cooling

Heating

Multi Split Type

Two Rooms

See Specifications P.32



With
•Bilingual Sticker
•Unit Holder



CU-2V14BKP5G



CU-2V18BKP5G



CU-2V19BKP5G

Cooling Models

26dB

CS-V9BKPGx2 CU-2V14BKP5G

One-Unit Operation	Two-Unit Operation
3.00 kW EER:2.54	3.70 kW EER:2.98

1-Compressor Dual Split Type

26dB

CS-V9BKPGx2 CU-2V18BKP5G

One-Unit Operation	Two-Unit Operation
2.73 kW EER:3.17	5.46 kW EER:3.17

2-Compressor Dual Split Type

Cooling Models / Different Capacities

26dB

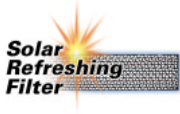
CS-V7BKPG / CS-V12BKPG CU-2V19BKP5G

One-Unit Operation (CS-V7BKPG)	One-Unit Operation (CS-V12BKPG)	Two-Unit Operation (CS-V7BKPG+CS-V12BKPG)
2.10 kW EER:2.92	3.55 kW EER:2.89	5.65 kW EER:3.05

2-Compressor Dual Split Type

Three Rooms

See Specifications P.33



With
•Bilingual Sticker
•Unit Holder



CU-3V20BKP5G

Cooling Models

26dB

CS-V9BKPGx3 CU-3V20BKP5G **A**

One-Unit Operation (B)	One-Unit Operation (A1 or A2)	Two-Unit Operation (B + A1 or A2)	Two-Unit Operation (A1 + A2)	Three-Unit Operation (B + A1 + A2)
2.73 kW EER:3.00	2.95 kW EER:2.63	5.68 kW EER:2.93	3.82 kW EER:3.18	6.55 kW EER:3.29

2-Compressor Triple Split Type

26dB

26dB Super Quiet in cooling mode with low fan speed

Floor or Ceiling Split Type

Dual-Mountable

See Specifications P.29, P.31



New

(Heat Pump models)

Luminous
Remote Controller

Blue Fin
Condenser



Indoor unit: installed in a ceiling



Indoor unit: installed on a floor



With
•Bilingual Sticker
•Unit Holder



CU-V12CTP5/W12CTP5



CU-V18CTP5/V24CTP5
CU-W18CTP5/W24CTP5

Heat Pump Models

CS-W12CTP

3.60 kW EER: 3.13
3.95 kW COP: 3.35

CS-W18CTP

5.20 kW EER: 3.07
5.80 kW COP: 3.33

CS-W24CTP

6.90 kW EER: 2.51
7.65 kW COP: 2.65

Cooling Models

CS-V12CTP

3.52 kW EER: 3.20

CS-V18CTP

5.30 kW EER: 3.17

CS-V24CTP

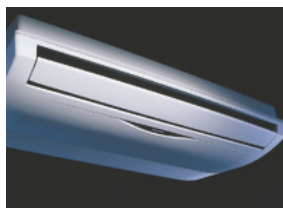
7.03 kW EER: 2.58

Cooling

Heating

Compact, Stylish Design and Flexible Installation

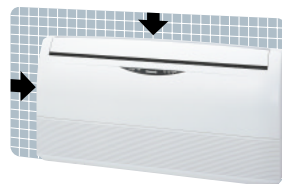
Stylish New Design



Powerful yet Energy-Saving



Space-Saving



Surface area **23% Down!**

Greater Airflow Comfort

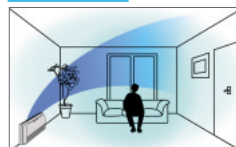
A new flap design and Auto Air Swing function optimise room comfort by giving you finer control over the airflow direction.



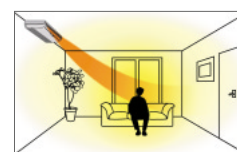
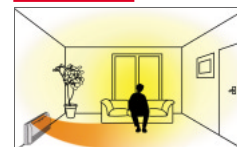
When Cooling
Flap:
Upward Airflow



When Heating
Flap:
Downward Airflow






































The cool airflow spreads throughout the room



Warms the feet area

Feature Comparison

 Heat Pump Models
 Cooling Models

			Single Inverter Split Type				Multi Inverter Split Type						
			CS-XE9CKE CS-XE12CKE	CS-E9CKP CS-E12CKP CS-E15CKP	CS-E18CKE CS-E21CKE CS-E24CKE	CS-PE9CKE CS-PE12CKE	CS-ME7CKPG CS-ME10CKPG CS-ME12CKPG CS-ME14CKPG CS-ME18CKPG	CS-ME7CB1P CS-ME10CB1P CS-ME12CB1P CS-ME14CB1P	CS-ME10CD3P CS-ME14CD3P	CS-W7CKP CS-W9CKP CS-W12CKP	CS-V7CKP CS-V9CKP CS-V12CKP	CS-W18CKE CS-W24CKE	CS-V18CKE CS-V24CKE
Refrigerants Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Healthy Air Quality	Anti-Mold, One-Touch Air Filter 		○	○	○	○	○	○		○	○	○	○
	Catechin Air Purifying Filter 		○	○	○	(Option)	○			○	○	○	○
	Solar Refreshing Deodorizing Filter 						○						
	Triple Deodorizing Filter (Solar Refreshing) 			○	○	(Option)				○	○	○	○
	Odour-Removing Function 		○	○	○	○	○	○	○	○	○	○	○
	Odour Wash 						○	○	○				
	Removable, Washable Panel 			○	○	○	○	○	○	○	○	○	○
	Ion Freshener 		○	○	○					○	○	○	○
	O ₂ Shower 		○										
Comfortable	Personal Airflow Creation 		○	○	○							○	○
	Airflow Direction Control (Up & Down) 					○	○	○		○	○		
	Manual Horizontal Airflow Direction Control 					○	○	○		○	○		
	Circulation Operation Mode 										○		○
	Hot Start Control 		○	○	○	○	○	○	○	○		○	
	Inverter Control 		○	○	○	○	○	○	○				
	Powerful Mode 			○	○		○	○	○	○	○	○	○
	Economy Mode 												
	Quiet Mode 		○	○	○		○	○	○	○	○	○	○
	Soft Dry Operation Mode 		○	○	○	○	○	○	○	○	○	○	○
	Sleep Mode 												
	Sleep Timer Mode 						○	○	○				
	Convenient	24-Hour ON&OFF Real Setting Timer 		○	○	○		○	○	○	○	○	○
12-Hour ON&OFF Timer 						○							
Luminous Remote Controller 			○	○	○		○	○	○	○	○	○	○
LCD Wireless Remote Controller 						○							
Bilingual Sticker 			○	○	○	○	○	○	○	○	○	○	○
Auto Changeover (Inverter) 			○	○	○	○	○	○	○				
Auto Changeover 										○		○	
Automatic Operation Mode (C/O) 											○		○
Filter Cleaning Indicator 							○						
Reliable	Blue Fin Condenser 		○	○	○					○	○	○	○
	Auto Restart 		○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)
	Self-Diagnostic Function 		○	○	○	○	○	○	○				
	Long Piping 		15m	15m	20m(E18/E21) 25m(E24)	10m(PE9) 15m(PE12)	30m(20m ¹ (ZE15,18) 50m(25m ¹ (3E23) 70m(25m ¹ (4E27)	50m(25m ¹ (3E23) 70m(25m ¹ (4E27)	30m(20m ¹ (ZE15,18) 50m(25m ¹ (3E23) 70m(25m ¹ (4E27)	10m(W7/W9) 15m(W12)	10m(V7/V9) 15m(V12)	25m	25m
	Top-Panel Maintenance Access 		○	○	○	○	○	○	○	○	○	○	○

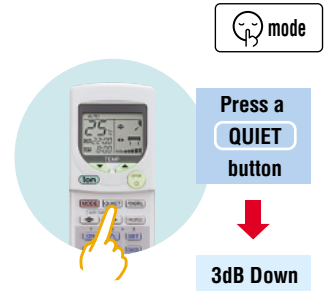
Panasonic's Advanced Features

Single Split Type					Floor or Ceiling Split Type	Multi Split Type	
CS-W28BKP5	CS-V28BKP5	CS-PW9CKE CS-PW12CKE	CS-PV9CKE CS-PV12CKE	CS-PW18CKE	CS-W12CTP CS-W18CTP CS-W24CTP	CS-V12CTP CS-V18CTP CS-V24CTP	CS-V7BKPG CS-V9BKPG CS-V12BKPG
R407E	R407E	R410A	R410A	R410A	R410A	R410A	R410A
○	○	○	○	○	○	○	○
○	○	(Option)	(Option)	(Option)			○
○	○						○
		(Option)	(Option)	(Option)			
○	○	○	○	○	○	○	○
		○	○	○			○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
	○		○			○	○
○		○		○	○		
							○
							○
○	○						○
		○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○		○		○	○		○
	○		○			○	○
					○	○	
○ (Memory)	○ (Memory)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)	○ (Random)
30m	30m	10m(PW9) 15m(PW12)	10m(PV9) 15m(PV12)	25m	15m(W12) 25m(W18/W24)	15m(V12) 25m(V18/V24)	15m(Total)
		○	○	○	○	○	

* Total room/One room

Quiet Mode

Simply press a button to reduce the indoor unit operating sound by about 3 dB. This function is especially convenient when you are putting a baby to sleep.



Personal Airflow Creation

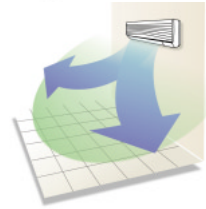
Up & Down Airflow—5Pattern+Auto

Use the remote control to select from five vertical (up & down) airflow patterns, or choose Auto and just relax.



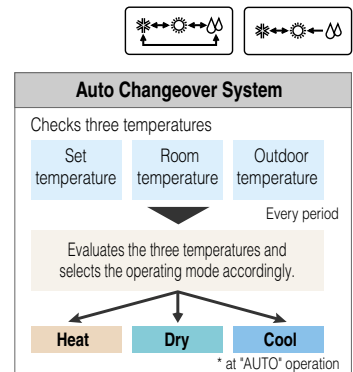
Left & Right Airflow—5Pattern+Auto

Use the remote control to select from five horizontal (left & right) airflow patterns, or choose Auto for automatic adjustment.



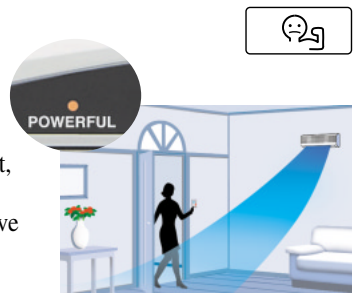
Auto Changeover

Sensors measure the room and outside temperatures periodically. Based on these temperatures and the temperature you've set, the microcomputer determines the most suitable operating mode as time passes.



Powerful Mode

Just press the Powerful button when you want to cool or heat the room in a hurry. You'll get quick comfort, with full power and a strong airflow. It's perfect when you've just come home, or when unexpected guests arrive.



Economy Mode

Economy mode uses up to 25%* less energy than Normal mode. Use it when the room is comfortable and powerful cooling or heating is no longer necessary, or when a child or elderly person is in the room and you want gentle cooling or heating.



* Panasonic figures, at an indoor temperature of 27°C and outdoor temperature of 35°C, with one hour of operation.

Multi Inverter Split Type : Outdoor Units

Standard Specifications



Cooling
Heating

Model (50Hz)	CU-2E15CBPG	CU-2E18CBPG	CU-3E23CBPG	CU-4E27CBPG
Indoor-units Combination	2.2 kW + 2.2 kW	3.2 kW + 3.2 kW	2.8 kW + 3.2 kW + 4.0 kW	3.2 kW + 3.2 kW + 3.2 kW + 4.0 kW
Power Source	Single phase, 230 V, 50 Hz (Power supply from outdoor unit)			
Cooling Operation				
Capacity kW	4.5 (1.5 - 5.0)	5.2 (1.5 - 5.4)	6.8 (2.8 - 8.4)	8.0 (3.0 - 9.2)
Electrical Data				
Running Current A	5.75	7.10	8.50	8.70
Power Input W	1,230 (250 - 1,350)	1,520 (250 - 1,580)	1,950 (490 - 2,800)	1,980 (530 - 2,870)
EER W/W	3.66	3.42	3.49	4.04
Noise				
Sound Pressure Level dB(A)	47	49	48	48
Sound Power Level dB	62	64	61	61
Heating Operation				
Capacity kW	5.4 (1.1 - 7.0)	5.6 (1.1 - 7.2)	8.6 (3.5 - 9.1)	9.4 (4.2 - 10.6)
Electrical Data				
Running Current A	5.20	5.35	8.30	9.10
Power Input W	1,170 (210 - 1,670)	1,210 (210 - 1,700)	1,880 (560 - 2,710)	2,080 (700 - 3,060)
COP W/W	4.62	4.63	4.57	4.52
Noise				
Sound Pressure Level dB(A)	49	51	49	49
Sound Power Level dB	64	66	62	62
Maximum Current A	12.0	12.0	18.5	19.0
Starting Current A	5.75	7.10	8.50	9.10
Compressor Output W	1,200	1,500	1,900	2,200
Fan Output W	40	40	53	51
Circuit Breaker Ratio A	15	15	20	20
Dimensions				
Height mm	540	540	735	908
Width mm	780 (+70)	780 (+70)	826 (+110)	900
Depth mm	289	289	300	320
Net Weight kg	38	38	57	73
Connecting Cable	3 + 1 (earth), $\phi 1.5 \text{ mm}^2$			
Pipe Length Range (1 room) m	3 - 20	3 - 20	3 - 25	3 - 25
Maximum Pipe Length (Total room) m	30	30	50	70
Refrigerant Pipe Diameter				
Liquid Side mm	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52	9.52
Energy Saving Classification	Cooling Class	A	A	A
	Annual Energy Consumption kW	615	760	975
	Heating Class	A	A	A

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Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

Caution (Important)
Please do not use copper pipes which the thickness is less than 0.8mm.

Multi Inverter Split Type : Indoor Units (Wall-Mounted)



Cooling
Heating

Standard Specifications

Model (Capacity)	CS-ME7CKPG (2.2 kW class)	CS-ME10CKPG (2.8 kW class)	CS-ME12CKPG (3.2 kW class)	CS-ME14CKPG (4.0 kW class)	CS-ME18CKPG (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz				
Noise (Hi/Lo)					
Sound Pressure Level dB(A)	40/29 40/29	40/29 40/29	44/32 44/32	44/32 44/33	46/33 46/35
Sound Power Level dB	53/42 53/42	53/42 53/42	57/45 57/45	57/45 57/46	59/46 59/48
Fan Output W	30	30	30	30	30
Dimensions					
Height mm	275	275	275	275	275
Width mm	770	770	770	770	770
Depth mm	230	230	230	230	230
Net Weight kg	8.0	8.0	8.0	8.0	8.0
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²				
Refrigerant Pipe Diameter					
Liquid Side mm	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52	9.52	9.52

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.

Multi Inverter Split Type : Indoor Units (Cassette)



Cooling
Heating

Standard Specifications

Model (Capacity)	CS-ME7CB1P (2.2 kW class)	CS-ME10CB1P (2.8 kW class)	CS-ME12CB1P (3.2 kW class)	CS-ME14CB1P (4.0 kW class)
Power Source	Single phase, 230 V, 50 Hz			
Noise (Hi/Lo)				
Sound Pressure Level dB(A)	40/32 42/32	40/32 42/32	41/32 43/32	43/32 44/34
Sound Power Level dB	53/45 55/45	53/45 55/45	54/45 56/45	56/45 57/47
Fan Output W	25	25	25	25
Dimensions				
Height mm	185	185	185	185
Width mm	770	770	770	770
Depth mm	360	360	360	360
Net Weight kg	9.8	9.8	9.8	10.5
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²			
Refrigerant Pipe Diameter				
Liquid Side mm	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52	9.52

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Multi Inverter Split Type : Indoor Units (Hide-Away)



Cooling
Heating

Standard Specifications

Model (Capacity)	CS-ME10CD3P (2.8 kW class)	CS-ME14CD3P (4.0 kW class)
Power Source	Single phase, 230 V, 50 Hz	
Noise (Hi/Lo)		
Sound Pressure Level dB(A)	43/32 47/32	45/32 47/35
Sound Power Level dB	56/45 60/45	58/45 60/48
Fan Output W	30	30
Dimensions		
Height mm	235	235
Width mm	750	750
Depth mm	370	370
Net Weight kg	16.5	16.5
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²	
Refrigerant Pipe Diameter		
Liquid Side mm	6.35	6.35
Gas Side mm	9.52	9.52

Approximate Cooling and Heating Capacities

- The capacities shown here cover the operating patterns of all indoor unit combinations.
- **How to Read the Table**
Indoor unit combinations are shown here as the number of units operating, and their capacity class.

Note: When the Multi Inverter Split Type is used to operate two or more indoor units simultaneously, the capacity of each indoor unit may be lower than that when operating only one indoor unit. Be sure to refer to the following table to select the appropriate models.

2 rooms	2.2 + 2.2	A combination of two 2.2-kW indoor units
	2.2 + 2.8	
		A combination of one 2.2-kW indoor unit and one 2.8-kW indoor unit

CU-2E15CBPG

*A.E.C. : Annual Energy Consumption

	Indoor Units Capacity	COOLING OPERATION							HEATING OPERATION					
		Cooling Capacity			Running Current	Power Input	Cooling Class	A.E.C.*	Heating Capacity			Running Current	Power Input	Heating Class
		Room A	Room B	Total					Room A	Room B	Total			
1 room	2.2	2.20	-	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	A	260	3.20	-	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	A
	2.8	2.80	-	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	A	375	4.00	-	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	B
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	A	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	A	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8*	2.00	2.50	4.50 (1.5 - 5.2)	6.50	1,390 (250 - 1,730)	A	695	2.40	3.00	5.40 (1.1 - 7.0)	6.05	1,360 (210 - 1,670)	A

The specifications are different from other type of indoor units when 2.8kW duct type is connected to CU-2E15CBPG.

CU-2E18CBPG

*A.E.C. : Annual Energy Consumption

	Indoor Units Capacity	COOLING OPERATION							HEATING OPERATION					
		Cooling Capacity			Running Current	Power Input	Cooling Class	A.E.C.*	Heating Capacity			Running Current	Power Input	Heating Class
		Room A	Room B	Total					Room A	Room B	Total			
1 room	2.2	2.20	-	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	A	260	3.20	-	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	A
	2.8	2.80	-	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	A	375	4.00	-	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	B
	3.2	3.20	-	3.20 (1.1 - 4.0)	4.30	920 (220 - 1,220)	A	460	4.50	-	4.50 (0.7 - 6.2)	5.55	1,250 (170 - 1,810)	B
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	A	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	A	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8*	2.00	2.50	4.50 (1.5 - 5.2)	6.50	1,390 (250 - 1,730)	A	695	2.40	3.00	5.40 (1.1 - 7.0)	6.05	1,360 (210 - 1,670)	A
	2.2 + 3.2	1.95	2.85	4.80 (1.5 - 5.3)	6.10	1,310 (250 - 1,540)	A	655	2.30	3.30	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)	A
	2.8 + 2.8	2.40	2.40	4.80 (1.5 - 5.2)	6.10	1,310 (250 - 1,520)	A	655	2.80	2.80	5.60 (1.1 - 7.2)	5.55	1,250 (210 - 1,740)	A
	2.8* + 2.8*	2.40	2.40	4.80 (1.5 - 5.2)	7.25	1,560 (250 - 1,730)	B	780	2.80	2.80	5.60 (1.1 - 7.2)	6.50	1,470 (210 - 1,740)	A
	2.8 + 3.2	2.30	2.70	5.00 (1.5 - 5.3)	6.95	1,490 (250 - 1,540)	A	745	2.60	3.00	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)	A
	2.8* + 3.2	2.30	2.70	5.00 (1.5 - 5.3)	7.80	1,670 (250 - 1,800)	C	835	2.60	3.00	5.60 (1.1 - 7.2)	6.15	1,390 (210 - 1,720)	A
3.2 + 3.2	2.60	2.60	5.20 (1.5 - 5.4)	7.10	1,520 (250 - 1,580)	A	760	2.80	2.80	5.60 (1.1 - 7.2)	5.35	1,210 (210 - 1,700)	A	

The specifications are different from other type of indoor units when 2.8kW duct type is connected to CU-2E18CBPG.

CU-3E23CBPG

*A.E.C. : Annual Energy Consumption

	Indoor Unit Capacity	COOLING OPERATION							HEATING OPERATION							
		Cooling Capacity			Running Current	Power Input	Cooling Class	A.E.C.*	Heating Capacity			Running Current	Power Input	Heating Class		
		Room A	Room B	Room C					Total	Room A	Room B				Room C	Total
1 room	2.2	2.20	-	-	2.20 (1.9 - 2.7)	2.25	450 (380 - 620)	A	225	3.20	-	-	3.20 (1.7 - 4.1)	3.85	840 (370 - 1,310)	A
	2.8	2.80	-	-	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	A	310	4.00	-	-	4.00 (1.7 - 4.3)	5.40	1,210 (370 - 1,400)	C
	3.2	3.20	-	-	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	A	360	4.50	-	-	4.50 (1.7 - 5.7)	5.85	1,310 (370 - 1,910)	B
	4.0	4.00	-	-	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,390)	A	515	5.60	-	-	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 2,920)	D
	5.0	5.00	-	-	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	B	805	7.10	-	-	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 2,890)	F
2 rooms	2.2 + 2.2	2.20	2.20	-	4.40 (2.1 - 5.0)	4.45	980 (400 - 1,260)	A	490	3.15	3.15	-	6.30 (1.8 - 8.6)	6.25	1,410 (400 - 2,570)	A
	2.2 + 2.8	2.20	2.80	-	5.00 (2.1 - 6.1)	5.50	1,230 (400 - 1,880)	A	615	3.10	4.00	-	7.10 (2.1 - 8.6)	7.55	1,700 (420 - 2,570)	A
	2.2 + 3.2	2.20	3.20	-	5.40 (2.2 - 7.0)	6.10	1,370 (400 - 2,790)	A	685	3.05	4.45	-	7.50 (2.2 - 8.7)	7.75	1,740 (420 - 2,970)	A
	2.2 + 4.0	2.20	4.00	-	6.20 (2.2 - 7.1)	8.00	1,820 (400 - 2,790)	A	910	2.90	5.30	-	8.20 (2.4 - 8.7)	8.85	2,010 (440 - 2,970)	A
	2.2 + 5.0	2.10	4.70	-	6.80 (2.5 - 7.1)	9.85	2,240 (460 - 2,800)	B	1,120	2.65	5.95	-	8.60 (3.2 - 9.0)	9.50	2,160 (530 - 2,960)	A
	2.8 + 2.8	2.80	2.80	-	5.60 (2.2 - 6.9)	6.85	1,550 (400 - 2,780)	A	775	3.85	3.85	-	7.70 (2.3 - 8.7)	8.45	1,930 (440 - 3,040)	A
	2.8 + 3.2	2.80	3.20	-	6.00 (2.2 - 7.0)	7.55	1,700 (400 - 2,790)	A	850	3.70	4.30	-	8.00 (2.4 - 8.8)	8.60	1,970 (440 - 3,020)	A
	2.8 + 4.0	2.80	4.00	-	6.80 (2.2 - 7.1)	10.5	2,390 (400 - 2,790)	C	1,195	3.55	5.05	-	8.60 (2.1 - 9.0)	9.55	2,175 (530 - 3,030)	A
	2.8 + 5.0	2.45	4.35	-	6.80 (2.5 - 7.2)	9.85	2,230 (460 - 2,800)	B	1,115	3.10	5.50	-	8.60 (3.2 - 9.0)	9.50	2,150 (530 - 3,010)	A
	3.2 + 3.2	3.20	3.20	-	6.40 (2.2 - 7.3)	8.15	1,860 (400 - 2,810)	A	930	4.20	4.20	-	8.40 (2.5 - 9.0)	9.05	2,050 (470 - 2,970)	A
	3.2 + 4.0	3.00	3.80	-	6.80 (2.5 - 7.3)	9.65	2,200 (460 - 2,810)	B	1,100	3.80	4.80	-	8.60 (3.2 - 9.0)	9.20	2,090 (530 - 2,970)	A
	3.2 + 5.0	2.65	4.15	-	6.80 (2.6 - 7.4)	9.30	2,120 (460 - 2,820)	A	1,060	3.35	5.25	-	8.60 (3.2 - 9.0)	9.15	2,080 (530 - 2,950)	A
	4.0 + 4.0	3.40	3.40	-	6.80 (2.5 - 7.3)	9.65	2,190 (460 - 2,810)	B	1,095	4.30	4.30	-	8.60 (3.2 - 9.0)	9.15	2,080 (530 - 2,970)	A
	4.0 + 5.0	3.00	3.80	-	6.80 (2.7 - 7.4)	9.30	2,110 (480 - 2,820)	A	1,055	3.80	4.80	-	8.60 (3.2 - 9.1)	9.15	2,070 (530 - 2,950)	A
	5.0 + 5.0	3.40	3.40	-	6.80 (2.8 - 7.4)	9.15	2,070 (480 - 2,820)	A	1,035	4.30	4.30	-	8.60 (3.5 - 9.1)	9.15	2,070 (590 - 2,940)	A
3 rooms	2.2 + 2.2 + 2.2	2.20	2.20	2.20	6.60 (2.2 - 7.7)	8.10	1,850 (410 - 2,450)	A	925	2.86	2.86	2.86	8.58 (3.1 - 8.9)	8.50	1,940 (500 - 2,800)	A
	2.2 + 2.2 + 2.8	2.10	2.10	2.60	6.80 (2.5 - 8.1)	8.70	1,980 (460 - 2,820)	A	990	2.65	2.65	3.30	8.60 (3.2 - 8.9)	8.70	1,980 (510 - 2,800)	A
	2.2 + 2.2 + 3.2	1.95	1.95	2.90	6.80 (2.5 - 8.1)	8.80	1,990 (460 - 2,790)	A	995	2.50	2.50	3.60	8.60 (3.2 - 9.0)	8.60	1,960 (510 - 2,780)	A
	2.2 + 2.2 + 4.0	1.80	1.80	3.20	6.80 (2.6 - 8.2)	8.60	1,970 (460 - 2,790)	A	985	2.25	2.25	4.10	8.60 (3.2 - 8.8)	8.50	1,940 (510 - 2,760)	A
	2.2 + 2.2 + 5.0	1.60	1.60	3.60	6.80 (2.8 - 8.3)	8.60	1,960 (490 - 2,790)	A	980	2.00	2.00	4.60	8.60 (3.2 - 8.8)	8.45	1,920 (510 - 2,760)	A
	2.2 + 2.8 + 2.8	1.90	2.45	2.45	6.80 (2.5 - 8.1)	8.50	1,950 (460 - 2,780)	A	975	2.40	3.10	3.10	8.60 (3.2 - 9.0)	8.45	1,930 (510 - 2,730)	A
	2.2 + 2.8 + 3.2	1.80	2.35	2.65	6.80 (2.6 - 8.1)	8.70	1,980 (460 - 2,790)	A	990	2.30	2.95	3.35	8.60 (3.2 - 8.8)	8.45	1,930 (510 - 2,760)	A
	2.2 + 2.8 + 4.0	1.65	2.15	3.00	6.80 (2.7 - 8.2)	8.60	1,960 (490 - 2,790)	A	980	2.10	2.70	3.80	8.60 (3.2 - 9.0)	8.35	1,910 (510 - 2,760)	A
	2.2 + 2.8 + 5.0	1.50	1.90	3.40	6.80 (2.8 - 8.3)	8.50	1,950 (490 - 2,790)	A	975	1.90	2.40	4.30	8.60 (3.5 - 9.0)	8.45	1,920 (560 - 2,730)	A
	2.2 + 3.2 + 3.2	1.70	2.55	2.55	6.80 (2.7 - 8.3)	8.60	1,970 (460 - 2,800)	A	985	2.20	3.20	3.20	8.60 (3.2 - 9.1)	8.35	1,910 (500 - 2,710)	A
	2.2 + 3.2 + 4.0	1.60	2.30	2.90	6.80 (2.8 - 8.3)	8.50	1,950 (490 - 2,800)	A	975	2.00	2.95	3.65	8.60 (3.2 - 9.0)	8.25	1,890 (500 - 2,710)	A
	2.8 + 2.8 + 2.8	2.26	2.26	2.26	6.78 (2.6 - 8.1)	8.50	1,940 (460 - 2,820)	A	970	2.86	2.86	2.86	8.58 (3.2 - 9.0)	8.35	1,910 (510 - 2,760)	A
	2.8 + 2.8 + 3.2	2.15	2.15	2.50	6.80 (2.7 - 8.2)	8.60	1,960 (490 - 2,790)	A	980	2.75	2.75	3.10	8.60 (3.2 - 9.0)	8.45	1,920 (510 - 2,760)	A
	2.8 + 2.8 + 4.0	2.00	2.00	2.80	6.80 (2.8 - 8.2)	8.50	1,950 (490 - 2,790)	A	975	2.50	2.50	3.60	8.60 (3.3 - 9.0)	8.35	1,900 (530 - 2,760)	A
	2.8 + 3.2 + 3.2	2.10	2.35	2.35	6.80 (2.7 - 8.3)	8.60	1,960 (490 - 2,800)	A	980	2.60	3.00	3.00	8.60 (3.2 - 9.0)	8.35	1,900 (500 - 2,710)	A
2.8 + 3.2 + 4.0	1.90	2.20	2.70	6.80 (2.8 - 8.4)	8.50	1,950 (490 - 2,800)	A	975	2.40	2.75	3.45	8.60 (3.5 - 9.1)	8.30	1,880 (560 - 2,710)	A	
3.2 + 3.2 + 3.2	2.26	2.26	2.26	6.78 (2.8 - 8.5)	8.60	1,960 (490 - 2,800)	A	980	2.86	2.86	2.86	8.58 (3.3 - 9.1)	8.10	1,850 (520 - 2,670)	A	

	Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION									
		Cooling Capacity					Running Current	Power Input		Cooling Class	A.E.C.*	Heating Capacity					Running Current	Power Input		Heating Class	
		Room A	Room B	Room C	Room D	Total		kW	W			Room A	Room B	Room C	Room D	Total		kW	W		
1 room	2.2	2.20	-	-	-	2.20 (1.9 - 2.7)	2.25	450 (380 - 620)	A	225	3.20	-	-	-	3.20 (1.7 - 4.7)	3.85	840 (370 - 1,830)	A			
	2.8	2.80	-	-	-	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	A	310	4.00	-	-	-	4.00 (1.7 - 4.8)	5.40	1,210 (370 - 1,900)	C			
	3.2	3.20	-	-	-	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	A	360	4.50	-	-	-	4.50 (1.7 - 5.8)	5.85	1,310 (370 - 2,290)	B			
	4.0	4.00	-	-	-	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,390)	A	515	5.60	-	-	-	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 3,560)	D			
	5.0	5.00	-	-	-	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	B	805	7.10	-	-	-	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 3,560)	F			
2 rooms	2.2 + 2.2	2.20	2.20	-	-	4.40 (2.1 - 5.0)	4.45	980 (400 - 1,260)	A	490	3.20	3.20	-	-	6.40 (1.8 - 9.4)	6.50	1,480 (400 - 3,550)	A			
	2.2 + 2.8	2.20	2.80	-	-	5.00 (2.1 - 6.1)	5.50	1,230 (400 - 1,880)	A	615	3.10	4.00	-	-	7.10 (2.1 - 9.4)	7.55	1,700 (420 - 3,510)	A			
	2.2 + 3.2	2.20	3.20	-	-	5.40 (2.2 - 7.0)	6.10	1,370 (400 - 2,790)	A	685	3.05	4.45	-	-	7.50 (2.2 - 9.8)	7.65	1,740 (420 - 3,490)	A			
	2.2 + 4.0	2.20	4.00	-	-	6.20 (2.2 - 7.1)	8.00	1,820 (400 - 2,790)	A	910	3.00	5.30	-	-	8.30 (2.4 - 9.8)	9.05	2,060 (440 - 3,440)	A			
	2.2 + 5.0	2.10	4.90	-	-	7.00 (2.5 - 7.2)	11.0	2,500 (460 - 2,800)	D	1,250	2.70	6.10	-	-	8.80 (3.2 - 9.9)	9.90	2,260 (530 - 3,400)	A			
	2.8 + 2.8	2.80	2.80	-	-	5.60 (2.2 - 6.9)	6.85	1,550 (400 - 2,780)	A	775	3.85	3.85	-	-	7.70 (2.3 - 9.4)	8.85	2,020 (440 - 3,480)	A			
	2.8 + 3.2	2.80	3.20	-	-	6.00 (2.2 - 7.0)	7.55	1,700 (400 - 2,790)	A	850	3.80	4.30	-	-	8.10 (2.4 - 9.8)	8.70	1,980 (440 - 3,460)	A			
	2.8 + 4.0	2.80	4.00	-	-	6.80 (2.2 - 7.1)	10.0	2,280 (400 - 2,790)	C	1,140	3.55	5.05	-	-	8.60 (2.1 - 9.8)	9.65	2,175 (530 - 3,390)	A			
	2.8 + 5.0	2.55	4.55	-	-	7.10 (2.5 - 7.2)	11.5	2,610 (460 - 2,800)	D	1,305	3.25	5.75	-	-	9.00 (3.2 - 9.9)	10.5	2,390 (530 - 3,370)	A			
	3.2 + 3.2	3.20	3.20	-	-	6.40 (2.2 - 7.3)	8.15	1,860 (400 - 2,810)	A	930	4.25	4.25	-	-	8.50 (2.5 - 10.1)	9.30	2,110 (470 - 3,390)	A			
	3.2 + 4.0	3.10	3.90	-	-	7.00 (2.5 - 7.3)	10.6	2,410 (460 - 2,810)	C	1,205	3.90	4.90	-	-	8.80 (3.2 - 10.1)	9.85	2,280 (530 - 3,340)	A			
	3.2 + 5.0	2.90	4.50	-	-	7.40 (2.6 - 7.4)	12.3	2,820 (460 - 2,880)	D	1,410	3.60	5.60	-	-	9.20 (3.2 - 10.1)	10.5	2,390 (530 - 3,300)	A			
	4.0 + 4.0	3.60	3.60	-	-	7.20 (2.5 - 7.3)	11.5	2,620 (460 - 2,810)	D	1,310	4.55	4.55	-	-	9.10 (3.2 - 10.1)	10.3	2,360 (530 - 3,320)	A			
4.0 + 5.0	3.25	4.05	-	-	7.30 (2.7 - 7.4)	11.7	2,670 (480 - 2,820)	D	1,335	4.20	5.20	-	-	9.40 (3.2 - 10.2)	10.9	2,480 (530 - 3,300)	A				
5.0 + 5.0	3.75	3.75	-	-	7.50 (2.8 - 7.6)	12.5	2,860 (480 - 2,870)	D	1,430	4.70	4.70	-	-	9.40 (3.5 - 10.2)	10.9	2,470 (590 - 3,290)	A				
3 rooms	2.2 + 2.2 + 2.2	2.20	2.20	2.20	-	6.60 (2.2 - 7.8)	7.40	1,660 (410 - 2,490)	A	830	2.87	2.87	2.87	-	8.61 (3.1 - 10.4)	8.80	1,990 (500 - 3,250)	A			
	2.2 + 2.2 + 2.8	2.15	2.15	2.70	-	7.00 (2.5 - 8.1)	8.25	1,890 (460 - 2,850)	A	945	2.70	2.70	3.40	-	8.80 (3.2 - 10.4)	8.85	2,010 (510 - 3,220)	A			
	2.2 + 2.2 + 3.2	2.10	2.10	3.10	-	7.30 (2.5 - 8.2)	8.70	1,980 (460 - 2,790)	A	990	2.60	2.60	3.70	-	8.90 (3.2 - 10.4)	8.95	2,030 (510 - 3,220)	A			
	2.2 + 2.2 + 4.0	2.05	2.05	3.70	-	7.80 (2.6 - 8.2)	10.3	2,330 (460 - 2,830)	A	1,165	2.40	2.40	4.40	-	9.20 (3.2 - 10.4)	9.50	2,150 (510 - 3,180)	A			
	2.2 + 2.2 + 5.0	1.85	1.85	4.30	-	8.00 (2.8 - 8.3)	10.8	2,460 (490 - 2,820)	A	1,230	2.20	2.20	5.00	-	9.40 (3.2 - 10.4)	9.30	2,120 (510 - 3,180)	A			
	2.2 + 2.8 + 2.8	2.10	2.65	2.65	-	7.40 (2.5 - 8.1)	9.40	2,140 (460 - 2,790)	A	1,070	2.50	3.25	3.25	-	9.00 (3.2 - 10.4)	9.20	2,090 (510 - 3,190)	A			
	2.2 + 2.8 + 3.2	2.00	2.60	3.00	-	7.60 (2.6 - 8.2)	9.85	2,240 (460 - 2,840)	A	1,120	2.45	3.15	3.60	-	9.20 (3.2 - 10.4)	9.30	2,110 (510 - 3,180)	A			
	2.2 + 2.8 + 4.0	1.95	2.50	3.55	-	8.00 (2.7 - 8.2)	11.0	2,510 (490 - 2,800)	B	1,255	2.30	2.90	4.20	-	9.40 (3.2 - 10.4)	9.50	2,160 (510 - 3,140)	A			
	2.2 + 2.8 + 5.0	1.75	2.25	4.00	-	8.00 (2.8 - 8.3)	10.8	2,460 (490 - 2,800)	A	1,230	2.05	2.65	4.70	-	9.40 (3.5 - 10.4)	9.15	2,080 (560 - 3,150)	A			
	2.2 + 3.2 + 3.2	2.00	2.95	2.95	-	7.90 (2.7 - 8.3)	10.1	2,290 (460 - 2,810)	A	1,145	2.40	3.45	3.45	-	9.30 (3.2 - 10.5)	9.40	2,130 (500 - 3,180)	A			
	2.2 + 3.2 + 4.0	1.90	2.70	3.40	-	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,840)	A	1,190	2.20	3.20	4.00	-	9.40 (3.2 - 10.5)	9.50	2,150 (500 - 3,140)	A			
	2.2 + 3.2 + 5.0	1.70	2.45	3.85	-	8.00 (2.8 - 8.3)	10.9	2,470 (490 - 2,840)	A	1,235	2.00	2.90	4.50	-	9.40 (3.7 - 10.5)	9.55	2,170 (620 - 3,140)	A			
	2.2 + 4.0 + 4.0	1.70	3.15	3.15	-	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,810)	A	1,190	2.00	3.70	3.70	-	9.40 (3.6 - 10.5)	9.30	2,110 (620 - 3,110)	A			
	2.2 + 4.0 + 5.0	1.60	2.85	3.55	-	8.00 (2.8 - 8.3)	10.9	2,470 (490 - 2,810)	A	1,235	1.85	3.35	4.20	-	9.40 (3.9 - 10.5)	9.30	2,120 (660 - 3,110)	A			
	2.2 + 5.0 + 5.0	1.40	3.30	3.30	-	8.00 (2.9 - 8.4)	10.7	2,430 (490 - 2,830)	A	1,215	1.70	3.85	3.85	-	9.40 (4.1 - 10.5)	9.55	2,170 (700 - 3,120)	A			
	2.8 + 2.8 + 2.8	2.60	2.60	2.60	-	7.80 (2.6 - 8.1)	10.8	2,450 (460 - 2,820)	B	1,225	3.08	3.08	3.08	-	9.24 (3.2 - 10.4)	9.55	2,170 (510 - 3,160)	A			
	2.8 + 2.8 + 3.2	2.55	2.55	2.90	-	8.00 (2.7 - 8.2)	11.0	2,510 (490 - 2,810)	B	1,255	3.00	3.00	3.40	-	9.40 (3.2 - 10.4)	9.65	2,190 (510 - 3,150)	A			
	2.8 + 2.8 + 4.0	2.35	2.35	3.30	-	8.00 (2.8 - 8.2)	11.0	2,510 (490 - 2,790)	B	1,255	2.75	2.75	3.90	-	9.40 (3.3 - 10.4)	9.40	2,140 (530 - 3,130)	A			
	2.8 + 2.8 + 5.0	2.10	2.10	3.80	-	8.00 (2.8 - 8.3)	10.8	2,460 (490 - 2,790)	A	1,230	2.50	2.50	4.40	-	9.40 (3.8 - 10.4)	9.20	2,100 (640 - 3,120)	A			
	2.8 + 3.2 + 3.2	2.40	2.80	2.80	-	8.00 (2.7 - 8.4)	10.4	2,380 (490 - 2,850)	A	1,190	2.90	3.25	3.25	-	9.40 (3.2 - 10.5)	9.55	2,170 (500 - 3,150)	A			
	2.8 + 3.2 + 4.0	2.25	2.55	3.20	-	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,820)	A	1,190	2.65	3.00	3.75	-	9.40 (3.5 - 10.5)	9.40	2,130 (560 - 3,120)	A			
	2.8 + 3.2 + 5.0	2.05	2.30	3.65	-	8.00 (2.8 - 8.4)	10.3	2,340 (490 - 2,830)	A	1,170	2.40	2.70	4.30	-	9.40 (3.9 - 10.5)	9.50	2,150 (660 - 3,120)	A			
	2.8 + 4.0 + 4.0	2.10	2.95	2.95	-	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,800)	A	1,190	2.40	3.50	3.50	-	9.40 (3.8 - 10.5)	9.05	2,060 (640 - 3,080)	A			
	2.8 + 4.0 + 5.0	1.90	2.70	3.40	-	8.00 (2.8 - 8.4)	10.3	2,340 (490 - 2,800)	A	1,170	2.20	3.20	4.00	-	9.40 (4.0 - 10.5)	9.20	2,100 (680 - 3,080)	A			
	2.8 + 5.0 + 5.0	1.70	3.15	3.15	-	8.00 (2.9 - 8.5)	10.3	2,340 (520 - 2,800)	A	1,170	2.10	3.65	3.65	-	9.40 (4.2 - 10.5)	9.40	2,140 (700 - 3,080)	A			
	3.2 + 3.2 + 3.2	2.66	2.66	2.66	-	7.98 (2.8 - 8.5)	10.1	2,300 (490 - 2,830)	A	1,150	3.13	3.13	3.13	-	9.39 (3.3 - 10.5)	9.50	2,160 (520 - 3,180)	A			
	3.2 + 3.2 + 4.0	2.45	2.45	3.10	-	8.00 (2.8 - 8.4)	10.5	2,390 (490 - 2,800)	A	1,195	2.90	2.90	3.60	-	9.40 (3.7 - 10.5)	9.40	2,140 (620 - 3,150)	A			
	3.2 + 3.2 + 5.0	2.25	2.25	3.50	-	8.00 (2.8 - 8.4)	10.5	2,390 (490 - 2,830)	A	1,195	2.65	2.65	4.10	-	9.40 (4.0 - 10.5)	9.40	2,130 (680 - 3,120)	A			
	3.2 + 4.0 + 4.0	2.30	2.85	2.85	-	8.00 (2.8 - 8.4)	10.5	2,390 (490 - 2,820)	A	1,195	2.70	3.35	3.35	-	9.40 (3.9 - 10.5)	9.30	2,120 (660 - 3,120)	A			
	3.2 + 4.0 + 5.0	2.10	2.60	3.30	-	8.00 (2.9 - 8.4)	10.3	2,350 (490 - 2,820)	A	1,175	2.45	3.10	3.85	-	9.40 (4.1 - 10.5)	9.20	2,100 (700 - 3,100)	A			
	3.2 + 5.0 + 5.0	1.90	3.05	3.05	-	8.00 (2.9 - 8.5)	10.3	2,350 (520 - 2,810)	A	1,175	2.30	3.55	3.55	-	9.40 (4.2 - 10.5)	9.05	2,060 (700 - 3,080)	A			
	4.0 + 4.0 + 4.0	2.66	2.66	2.66	-	7.98 (2.9 - 8.4)	10.5	2,390 (490 - 2,840)	A	1,195	3.13	3.13	3.13	-	9.39 (4.0 - 10.5)	9.20	2,100 (680 - 3,080)	A			
	4.0 + 4.0 + 5.0	2.45	2.45	3.10	-	8.00 (2.9 - 8.4)	10.5	2,390 (520 - 2,810)	A	1,195	2.90	2.90	3.60	-	9.40 (4.2 - 10.5)	9.15	2,080 (700 - 3,080)	A			
	4 rooms	2.2 + 2.2 + 2.2 + 2.2	2.00	2.00	2.00	2.00	8.00 (2.7 - 8.8)	9.50	2,150 (490 - 2,840)	A	1,075	2.35	2.35	2.35	2.35	9.40 (3.2 - 10.5)	9.15	2,080 (550 - 3,140)	A		
		2.2 + 2.2 + 2.2 + 2.8	1.85	1.85	1.85	2.45	8.00 (2.8 - 8.8)	9.40	2,140 (490 - 2,880)	A	1,070	2.20	2.20	2.20	2.80	9.40 (3.2 - 10.5)	9.				

Single Inverter Split Type Specifications



Cooling
Heating

Model		CS-XE9CKE (CU-XE9CKE)	CS-XE12CKE (CU-XE12CKE)	CS-E9CKP (CU-E9CKP5)	CS-E12CKP (CU-E12CKP5)	CS-E15CKP (CU-E15CKP5)	CS-E18CKE (CU-E18CKE)	CS-E21CKE (CU-E21CKE)	CS-E24CKE (CU-E24CKE)	CS-PE9CKE (CU-PE9CKE)	CS-PE12CKE (CU-PE12CKE)
Cooling Capacity	kW	2.60 (0.60 - 3.00)	3.45 (0.60 - 4.00)	2.60 (0.60 - 3.00)	3.45 (0.60 - 4.00)	4.40 (0.60 - 5.00)	5.30 (0.90 - 6.00)	6.30 (0.90 - 7.10)	6.80 (0.90 - 8.10)	2.50 (0.90 - 3.00)	3.15 (0.90 - 3.80)
	kcal/h	2,240 (520 - 2,580)	2,970 (520 - 3,440)	2,240 (520 - 2,580)	2,970 (520 - 3,440)	3,780 (520 - 4,300)	4,560 (770 - 5,160)	5,420 (770 - 6,110)	5,850 (770 - 6,970)	2,150 (770 - 2,580)	2,710 (770 - 3,270)
EER	W/W	3.71	3.63	3.71	3.63	3.14	3.21	2.85	2.82	3.21	3.21
Heating Capacity	kW	3.60 (0.60 - 5.00)	4.80 (0.60 - 6.50)	3.60 (0.60 - 5.00)	4.80 (0.60 - 6.50)	5.30 (0.60 - 6.80)	6.60 (0.90 - 8.00)	7.20 (0.90 - 8.50)	8.60 (0.80 - 9.90)	3.30 (0.90 - 4.00)	4.10 (0.90 - 5.00)
	kcal/h	3,100 (520 - 4,300)	4,130 (520 - 5,590)	3,100 (520 - 4,300)	4,130 (520 - 5,590)	4,560 (520 - 5,850)	5,680 (770 - 6,880)	6,190 (770 - 7,310)	7,400 (690 - 8,510)	2,840 (770 - 3,440)	3,530 (770 - 4,300)
COP	W/W	4.00	3.81	4.00	3.81	3.51	3.69	3.43	3.17	3.63	3.63
Electrical Data											
Voltage	V	230	230	230	230	230	230	230	230	230	230
Running Current	A	3.3 4.0	4.4 5.6	3.3 4.0	4.4 5.6	6.4 6.9	7.4 8.0	9.9 9.4	10.9 12.2	3.7 4.0	4.5 5.0
Power Input	W	700 (115 - 880) 900 (110 - 1,400)	950 (120 - 1,280) 1,260 (115 - 1,890)	700 (115 - 880) 900 (110 - 1,400)	950 (120 - 1,280) 1,260 (115 - 1,890)	1,400 (120 - 1,620) 1,510 (115 - 1,900)	1,650 (240 - 2,050) 1,790 (280 - 2,650)	2,210 (240 - 2,540) 2,100 (280 - 2,750)	2,410 (380 - 2,990) 2,710 (350 - 3,250)	780 (190 - 1,000) 910 (170 - 1,110)	980 (190 - 1,270) 1,130 (170 - 1,400)
Noise	Sound Pressure Level Indoor (Hi/Lo)	39/26 40/27	42/29 42/33	39/26 40/27	42/29 42/33	43/32 43/35	44/37 44/37	45/37 45/37	47/38 47/38	42/27 42/27	42/30 42/33
	Outdoor (Hi)	46 47	48 50	46 47	48 50	49 50	47 47	48 49	52 52	46 47	48 50
	Sound Power Level* Indoor (Hi)	50 51	53 53	50 51	53 53	54 54	57 57	58 58	60 60	53 53	53 53
	Outdoor (Hi)	59 60	61 63	59 60	61 63	62 63	60 60	61 62	66 66	59 60	61 63
Moisture Removal	L/h	1.6	2.0	1.6	2.0	2.4	2.9	3.5	3.9	1.4	1.8
Air Circulation (Indoor/Hi)	m³/min	9.9 10.6	10.9 11.8	9.9 10.6	10.9 11.8	11.5 12.4	15.6 17.1	16.6 17.7	17.2 18.6	9.7 10.2	9.9 10.4
Dimensions Indoor (Outdoor)											
Height	mm	275 (540)	275 (540)	275 (540)	275 (540)	275 (540)	275 (750)	275 (750)	275 (750)	275 (540)	275 (540)
Width	mm	799 (780)	799 (780)	799 (780)	799 (780)	799 (780)	998 (875)	998 (875)	998 (875)	799 (780)	799 (780)
Depth	mm	236 (289)	236 (289)	210 (289)	210 (289)	210 (289)	210 (345)	210 (345)	210 (345)	210 (289)	210 (289)
Net Weight Indoor (Outdoor)	kg	10 (38)	10 (40)	9 (35)	9 (37)	9 (37)	11 (49)	11 (51)	12.0 (63.5)	8.5 (32)	8.5 (36)
Refrigerant Pipe Diameter											
Liquid Side	mm inch	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"
Gas Side	mm inch	9.52 3/8"	12.70 1/2"	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	15.88 5/8"	9.52 3/8"	12.70 1/2"
Pipe Extension											
Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length**	m	15	15	15	15	15	20	20	30	15	15
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Energy Saving Classification	Cooling Class	A	A	A	A	B	A	C	C	A	A
	Annual Energy Consumption kW	350	475	350	475	700	825	1,105	1,205	390	490
	Heating Class	A	A	A	A	B	A	B	D	A	A

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Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.
** Additional Gas might be required for some models.

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.

Caution (Important)

Please do not use copper pipes which the thickness is less than 0.8mm.

Single Split Type / Floor or Ceiling Split Type Specifications



Model		CS-V7CKP (CU-V7CKP5)	CS-V9CKP (CU-V9CKP5)	CS-V12CKP (CU-V12CKP5)	CS-V18CKE (CU-V18CKE)	CS-V24CKE (CU-V24CKE)	CS-V28BKP5 (CU-V28BKP5)	CS-PV9CKE (CU-PV9CKE)	CS-PV12CKE (CU-PV12CKE)	CS-V12CTP (CU-V12CTP5)	CS-V18CTP (CU-V18CTP5)	CS-V24CTP (CU-V24CTP5)	
Cooling Capacity	kW	2.40	3.02	3.70	5.30	7.03	7.90	2.65	3.52	3.52	5.30	7.03	
	kcal/h	2,060	2,600	3,180	4,560	6,050	6,794	2,280	3,030	3,030	4,530	6,050	
EER	W/W	3.69	3.64	3.43	3.25	2.70	2.65	3.23	3.01	3.20	3.17	2.58	
Electrical Data													
Voltage	V	230	230	230	230	230	230	230	230	230	230	230	
Running Current	A	2.9	3.7	4.8	7.3	12.6	14.0	3.6	5.3	4.9	7.5	13.1	
Power Input	W	650	830	1,080	1,630	2,600	2,980	820	1,170	1,100	1,670	2,730	
Noise	Sound Pressure Level												
	Indoor (Hi/Lo)	dB(A)	33/26	35/26	39/29	42/37	46/40	48/44	37/29	40/31	39/33	45/39	47/42
	Outdoor (Hi)	dB(A)	46	48	49	55	60	63	50	51	49	55	60
	Sound Power Level*												
	Indoor (Hi)	dB	46	48	52	54	59	59	50	53	52	56	60
	Outdoor (Hi)	dB	61	63	64	70	74	76	65	66	63	68	73
Moisture Removal	L/h	1.5	1.7	2.2	2.9	4.0	3.5	1.6	2.0	2.0	2.9	3.5	
Air Circulation (Indoor/Hi)	m ³ /min	8.5	9.9	10.2	14.9	16.9	18.0	7.8	10.2	9.7	12.2	12.9	
Dimensions Indoor (Outdoor)													
Height	mm	275 (540)	275 (540)	275 (540)	275 (685)	275 (685)	370 (685)	275 (540)	275 (540)	540 (540)	540 (685)	540 (685)	
Width	mm	799 (780)	799 (780)	799 (780)	998 (800)	998 (800)	1,220 (880)	799 (780)	799 (780)	1,028 (780)	1,028 (800)	1,028 (800)	
Depth	mm	210 (289)	210 (289)	210 (289)	210 (300)	210 (300)	220 (345)	210 (289)	210 (289)	200 (289)	200 (300)	200 (300)	
Net Weight Indoor (Outdoor)	kg	9 (32)	9 (32)	9 (33)	11.0 (51.0)	11.0 (59.0)	18 (66)	9 (31)	9 (31)	18 (37)	20 (60)	20 (63)	
Refrigerant Pipe Diameter													
Liquid Side	mm inch	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	
Gas Side	mm inch	9.52 3/8"	9.52 3/8"	12.70 1/2"	12.70 1/2"	15.88 5/8"	15.88 5/8"	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	15.88 5/8"	
Pipe Extension													
Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3	3	
Maximum Pipe Length**	m	10	10	15	25	25	30	10	15	15	25	25	
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	
Energy Saving Classification	Cooling Class	A	A	A	A	D	D	A	B	B	B	E	
	Annual Energy Consumption kW	325	415	540	815	1,300	1,490	410	585	550	835	1,365	

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.
 ** Additional Gas might be required for some models.

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

Caution (Important)
 Please do not use copper pipes which the thickness is less than 0.8mm.

Single Split Type Specifications



Model (50Hz)		CS-W7CKP (CU-W7CKP5)	CS-W9CKP (CU-W9CKP5)	CS-W12CKP (CU-W12CKP5)	CS-W18CKE (CU-W18CKE)	CS-W24CKE (CU-W24CKE)	CS-W28BKP5 (CU-W28BKP5)	
Cooling Capacity	kW	2.38	2.90	3.74	5.30	7.03	7.90	
	kcal/h	2,050	2,490	3,220	4,560	6,050	6,794	
EER	W/W	3.61	3.41	3.40	3.21	2.53	2.65	
Heating Capacity	kW	2.45	3.14	4.09	5.55	7.72	9.20	
	kcal/h	2,110	2,700	3,520	4,770	6,640	7,912	
COP	W/W	4.12	4.03	3.82	3.26	2.87	2.63	
Electrical Data								
Voltage	V	230	230	230	230	230	230	
Running Current	A	3.0	3.7	4.9	7.4	13.1	14.0	
		2.7	3.5	4.8	7.6	12.9	16.0	
Power Input	W	660	850	1,100	1,650	2,780	2,980	
		595	780	1,070	1,700	2,690	3,500	
Noise	Sound Pressure Level							
	Indoor (Hi/Lo)	dB(A)	34/26	36/26	39/29	43/38	47/41	48/44
			36/26	39/26	40/29	42/38	46/41	48/44
	Outdoor (Hi)	dB(A)	46	48	49	55	60	63
			48	49	49	56	61	63
Sound Power Level*								
Indoor (Hi)	dB	47	49	52	55	59	59	
		49	52	53	53	57	59	
Outdoor (Hi)	dB	61	63	64	68	74	76	
		63	64	65	69	74	76	
Moisture Removal	L/h	1.5	1.7	2.2	2.9	4.0	3.5	
Air Circulation (Indoor/Hi)	m³/min	8.5	9.9	10.2	15.6	17.5	18.0	
		9.9	10.2	10.6	16.4	18.1	19.0	
Dimensions Indoor (Outdoor)								
Height	mm	275 (540)	275 (540)	275 (540)	275 (685)	275 (685)	370 (685)	
Width	mm	799 (780)	799 (780)	799 (780)	998 (800)	998 (800)	1,220 (880)	
Depth	mm	210 (289)	210 (289)	210 (289)	210 (300)	210 (300)	220 (345)	
Net Weight Indoor (Outdoor)	kg	9 (32)	9 (33)	9 (35)	11 (55)	11 (61)	18 (68)	
Refrigerant Pipe Diameter								
Liquid Side	mm inch	6.35	6.35	6.35	6.35	6.35	6.35	
		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Gas Side	mm inch	9.52	9.52	12.70	12.70	15.88	15.88	
		3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	
Pipe Extension								
Minimum Pipe Length	m	3	3	3	3	3	3	
Maximum Pipe Length**	m	10	10	15	25	25	30	
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	
Energy Saving Classification	Cooling Class	A	A	A	A	E	D	
	Annual Energy Consumption kW	330	425	550	825	1,390	1,490	
	Heating Class	A	A	A	C	D	E	

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.
** Additional Gas might be required for some models.

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.

Caution (Important)
Please do not use copper pipes which the thickness is less than 0.8mm.

Single Split Type / Floor or Ceiling Split Type Specifications



Cooling
Heating

Model (50Hz)		CS-PW9CKE (CU-PW9CKE)	CS-PW12CKE (CU-PW12CKE)	CS-PW18CKE (CU-PW18CKE)	CS-W12CTP (CU-W12CTP5)	CS-W18CTP (CU-W18CTP5)	CS-W24CTP (CU-W24CTP5)	
Cooling Capacity	kW	2.65	3.40	5.10	3.60	5.20	6.90	
	kcal/h	2,280	2,920	4,390	3,100	4,470	5,930	
EER	W/W	3.01	2.83	2.91	3.13	3.07	2.51	
Heating Capacity	kW	2.85	3.60	5.30	3.95	5.80	7.65	
	kcal/h	2,450	3,100	4,560	3,400	4,990	8,580	
COP	W/W	3.43	3.21	3.35	3.35	3.33	2.65	
Electrical Data								
Voltage	V	230	230	230	230	230	230	
Running Current	A	3.9	5.3	7.7	5.1	7.6	13.0	
		3.7	4.9	6.9	5.3	7.9	13.7	
Power Input	W	880	1,200	1,750	1,150	1,690	2,750	
		830	1,120	1,580	1,180	1,740	2,890	
Noise	Sound Pressure Level							
	Indoor (Hi/Lo)	dB(A)	38/29	40/31	45/38	39/33	45/39	47/42
			40/29	41/31	43/38	39/33	45/39	47/42
	Outdoor (Hi)	dB(A)	50	51	55	49	55	60
			50	51	55	49	56	61
	Sound Power Level*							
Indoor (Hi)	dB	51	53	58	52	58	60	
		53	54	56	52	58	60	
Outdoor (Hi)	dB	65	66	70	64	68	74	
		65	66	70	65	69	75	
Moisture Removal	L/h	1.6	1.9	2.9	2.1	2.9	3.9	
Air Circulation (Indoor/Hi)	m³/min	10.2	10.2	15.6	9.7	12.4	12.9	
		10.4	10.6	16.4	9.7	12.4	12.9	
Dimensions Indoor (Outdoor)								
Height	mm	275 (540)	275 (540)	275 (540)	540 (540)	540 (685)	540 (685)	
Width	mm	799 (780)	799 (780)	998 (780)	1,028 (780)	1,028 (800)	1,028 (800)	
Depth	mm	210 (289)	210 (289)	210 (289)	200 (289)	200 (300)	200 (300)	
Net Weight Indoor (Outdoor)	kg	9 (32)	9 (33)	11 (45)	18 (35)	20 (55)	20 (61)	
Refrigerant Pipe Diameter								
Liquid Side	mm inch	6.35	6.35	6.35	6.35	6.35	6.35	
		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Gas Side	mm inch	9.52	12.70	12.70	12.70	12.70	15.88	
		3/8"	1/2"	1/2"	1/2"	1/2"	5/8"	
Pipe Extension								
Minimum Pipe Length	m	3	3	3	3	3	3	
Maximum Pipe Length**	m	10	15	25	15	25	25	
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	
Energy Saving Classification	Cooling Class	B	C	C	B	B	E	
	Annual Energy Consumption	kW	440	600	875	575	845	1,375
	Heating Class	B	C	C	C	C	E	

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.

** Additional Gas might be required for some models.

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.

Caution (Important)
Please do not use copper pipes which the thickness is less than 0.8mm.

Dual Multi-Split Type Specifications

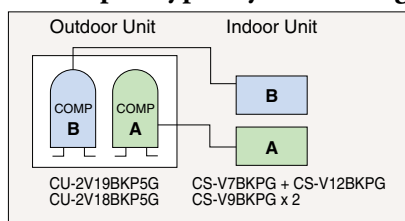


Model (50Hz)		CS-V9BKPGx2 (CU-2V14BKPG5G)		CS-V9BKPGx2 (CU-2V18BKPG5G)		Unit B: CS-V7BKPG Unit A: CS-V12BKPG (CU-2V19BKPG5G)			
Operation		1 Unit	2 Units	1 Unit	2 Units	1 Unit B	1 Unit A	2 Units B+A	
Cooling Capacity	kW	3.00	3.70	2.73	5.46	2.10	3.55	5.65	
	kcal/h	2,580	3,180	2,350	4,700	1,810	3,050	4,860	
EER	W/W	2.54	2.98	3.17	3.17	2.92	2.89	3.05	
Electrical Data									
Voltage	V	230	230	230	230	230	230	230	
Running Current	A	5.3	5.6	3.9	7.8	3.2	5.5	8.3	
Power Input	W	1,180	1,240	860	1,720	720	1,230	1,850	
Noise	Sound Pressure Level								
	Indoor (Hi/Lo)	dB(A)	36/26	36/26	36/26	36/26	33/26	39/29	B 33/26 A 39/29
	Outdoor (Hi)	dB(A)	47	47	55	55	55	55	55
	Sound Power Level*								
Indoor (Hi)	dB	49	49	49	49	46	52	B 46 A 52	
Outdoor (Hi)	dB	62	62	70	70	70	70	70	
Moisture Removal	L/h	1.7	2.2	1.6	3.0	1.4	2.1	3.1	
Air Circulation (Indoor/Hi)	m³/min	9.9		9.9		8.5	10.2	B 8.5 A 10.2	
Dimensions Indoor (Outdoor)									
Height	mm	275 (540)		275 (651)		275 (651)			
Width	mm	799 (760)		799 (893)		799 (893)			
Depth	mm	210 (250)		210 (345)		210 (345)			
Net Weight Indoor (Outdoor)	kg	9 (34)		9 (64)		9 (66)			
Refrigerant Pipe Diameter									
Liquid Side	mm inch	6.35 1/4"		6.35 1/4"		6.35 1/4"			
Gas Side	mm inch	9.52 3/8"		9.52 3/8"		B 9.52 3/8"	A 12.70 1/2"		
Pipe Extension									
Minimum Pipe Length	m	3		3		3			
Maximum Pipe Length**	m	15		15		15			
Power Supply		Outdoor		Outdoor		Outdoor			
Energy Saving Classification	Cooling Class	E	C	B	B	C	C	B	
	Annual Energy Consumption kW	590	620	430	860	360	615	925	

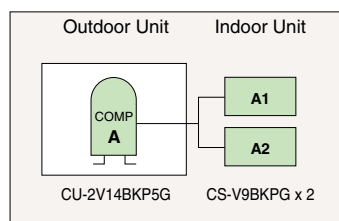
* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.
 ** Additional Gas might be required for some models.

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.

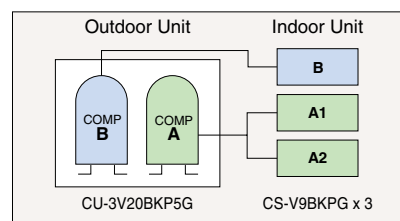
Multi Split Type : System Configuration



2-Compressor Dual Split Type
 Two compressors independently drive two indoor units so there is no loss in capacity when both indoor units are operating.



1-Compressor Dual Split Type
 A single compressor can cool one or two rooms as required.



2-Compressor Triple Split Type
 One compressor drives one indoor unit to cool one room, while another drives two indoor units to cool two rooms.

Caution (Important)
 Please do not use copper pipes which the thickness is less than 0.8mm.

Triple Multi-Split Type



Specifications

Model		Unit B, A1, A2:CS-V9BKPGx3 (CU-3V20BKP5G)					
(50Hz)		1 Unit B	1 Unit A1 or A2	2 Units B+A1 or A2	2 Units A1+A2	3 Units B+A1+A2	
Operation	kW	2.73	2.95	5.68	3.82	6.55	
	kcal/h	2,350	2,540	4,890	3,290	5,630	
EER	W/W	3.00	2.63	2.93	3.18	3.29	
Electrical Data	Voltage	230	230	230	230	230	
	Running Current	A	4.1	5.0	8.6	5.3	8.9
	Power Input	W	910	1,120	1,940	1,200	1,990
Noise	Sound Pressure Level						
	Indoor (Hi/Lo)	dB(A)	36/26	36/26	36/26	36/26	36/26
	Outdoor (Hi)	dB(A)	56	56	56	56	56
	Sound Power Level*						
	Indoor (Hi)	dB	49	49	49	49	49
	Outdoor (Hi)	dB	71	71	71	71	71
Moisture Removal	L/h	1.6	1.7	3.1	2.2	3.7	
Air Circulation (Indoor/Hi)	m ³ /min	9.9	9.9	9.9	9.9	9.9	
Dimensions							
Indoor (Outdoor)							
Height	mm	275 (651)					
Width	mm	799 (893)					
Depth	mm	210 (345)					
Net Weight	kg	9 (66)					
Refrigerant							
Pipe Diameter							
Liquid Side	mm inch	6.35 1/4"					
Gas Side	mm inch	9.52 3/8"					
Pipe Extension							
Minimum Pipe Length	m	3					
Maximum Pipe Length**	m	15					
Power Supply		Outdoor					
Energy Saving Classification	Cooling Class	C	D	C	B	A	
	Annual Energy Consumption	kW	455	560	970	600	995

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.

** Additional Gas might be required for some models.

For models with the Deodorizing Filter or Air Purifying Filter, the specifications indicate values with the filter removed.


Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB


Caution (Important)

Please do not use copper pipes which the thickness is less than 0.8mm.

ISO 9000 Series Certification





CERTIFIED TO MS ISO 9002: 1994
MATSUSHITA INDUSTRIAL CORP. SDN. BHD. (MAICO)
Registration No.: AR 0866
MATSUSHITA AIR-CONDITIONING CORP. SDN. BHD. (MACC)
Registration No.: AR 1010





CERTIFIED TO DIN EN ISO 9001: 1994
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
AIR-CONDITIONER DIVISION
Certificate Registration No. 09 100 5766

Environmental Management Systems Approval Certificate

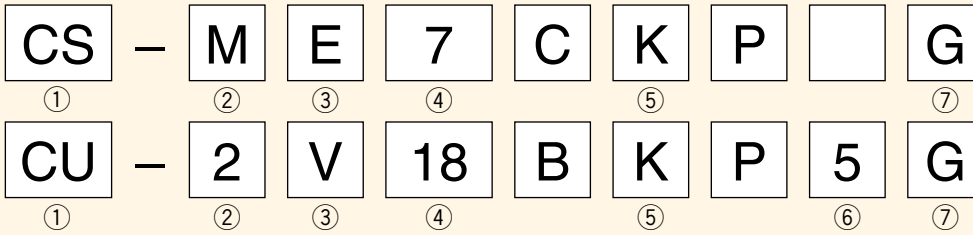



MS ISO 14001 CERT. NO. MO 15802127
MS ISO 14001 CERT. NO. MO 08301067
CERTIFIED TO MS ISO 14001: 1997
MATSUSHITA INDUSTRIAL CORP. SDN. BHD. (MAICO)
Certification No.: M015802127
MATSUSHITA AIR-CONDITIONING CORP. SDN. BHD. (MACC)
Certification No.: M008301067

CERTIFIED TO ISO 14001: 1996
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
AIR-CONDITIONER DIVISION
Approval Certificate No.: 771754

The New System of Model Numbers for Split Models



① Model Type

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

② Connection Configuration

<Indoor Unit>
No indications : Single Split
M: Multi Split Type
<Outdoor Unit>
n: (n) rooms Multi

③ Function

V : Cooling Only (HFC)
W : Heat Pump (HFC)
E : Inverter Heat Pump (HFC)

④ Capacity

Value = Capacity (Btu/h) x 1/1000
e.g. 18,000 Btu/h x 1/1000 = 18

⑤ Type

K : Wall Mounted Type
T : Floor or Ceiling Dual Mountable Type
B1 : Cassette Type
D3 : Hyde-Away Type
B : Flexibly connectable to various type of indoor unit

⑥ Power Supply

5 : 50 Hz (Single Phase)

⑦ Other

G : Outdoor Power Supply for Multi Split Type

Optional Accessories

Remote Control Unit Holder



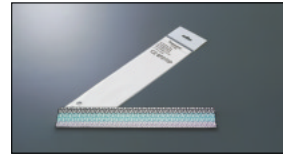
Replacement Filters

• Take care of the filter every six months. Replacement : every three years.

Replacement Catechin Air Purifying Filter



Replacement Triple Deodorizing Filter



Replacement Solar Refreshing Deodorizing Filter



Applicable Models

CZ-RK1N
CS-W28BKP5, CS-V28BKP5

Applicable Models

CZ-SF70P	CZ-SFD72P or CZ-SFD70P	CZ-SF71P, CZ-SFD71P
CS-XE9CKE, CS-XE12CKE, CS-E9CKP, CS-E12CKP, CS-E15CKP, CS-E18CKE, CS-E21CKE, CS-E24CKE, CS-PE9CKE, CS-PE12CKE, CS-ME7CKPG, CS-PE12CKE, CS-ME7CKPG, CS-ME10CKPG, CS-ME12CKPG, CS-ME14CKPG, CS-ME18CKPG, CS-W7CKP, CS-W9CKP, CS-W12CKP, CS-W18CKE, CS-W24CKE, CS-V7CKP, CS-V9CKP, CS-V12CKP, CS-V18CKE, CS-V24CKE, CS-PW9CKE, CS-PW12CKE, CS-PW18CKE, CS-PV9CKE, CS-PV12CKE, CS-V7BKP, CS-V9BKP, CS-V12BKP	CS-E9CKP, CS-E12CKP, CS-E15CKP, CS-E18CKE, CS-E21CKE, CS-E24CKE, CS-PE9CKE, CS-PE12CKE, CS-ME7CKPG, CS-ME10CKPG, CS-ME12CKPG, CS-ME14CKPG, CS-ME18CKPG, CS-W7CKP, CS-W9CKP, CS-W12CKP, CS-W18CKE, CS-W24CKE, CS-V7CKP, CS-V9CKP, CS-V12CKP, CS-V18CKE, CS-V24CKE, CS-PW9CKE, CS-PW12CKE, CS-PW18CKE, CS-PV9CKE, CS-PV12CKE, CS-V7BKP, CS-V9BKP, CS-V12BKP	CS-W28BKP5, CS-V28BKP5

- Please read the Installation Manual carefully before installing the unit, and read the Operating Manual before using.
- Specifications are subject to change without notice for further improvement.
- The contents of this catalogue are effective as of November, 2003
- Due to printing considerations, the actual colours may vary slightly from these shown.