

Panasonic

ideas for life

Air Conditioners



Qshower

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 | | P12 | R410A | CS-XE9CKE (CU-XE9CKE) | CS-XE12CKE (CU-XE12CKE) | | | | |
|---|---|-----|-------|--------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|
|  |  | | | | | | | | |
| Deluxe Models | | P14 | R410A | CS-E9CKP (CU-E9CKP5) | CS-E12CKP (CU-E12CKP5) | CS-E15CKP (CU-E15CKP5) | | | |
|  |  | | | | | | | | |
| Deluxe-Wide Models | | P14 | R410A | | | | CS-E18CKE (CU-E18CKE) | CS-E21CKE (CU-E21CKE) | CS-E24CKE (CU-E24CKE) |
|  |  | | | | | | | | |
| Standard Models | | P15 | R410A | CS-PE9CKE (CU-PE9CKE) | CS-PE12CKE (CU-PE12CKE) | | | | |
|  |  | | | | | | | | |

Multi Inverter Split Type

4.5 5.0 5.5 10.0 14.0 (kW)

| Wall-Mounted | | P16 | 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 | |
|---|---|-----|-------|-------------|-------------|-------------|-------------|-------------|----------------------------------|-----------------------|-----------------------|-------------|
|  |  | | | | | | | | | | | |
|  |  | P16 | R410A | CS-ME7CB1P | CS-ME10CB1P | CS-ME12CB1P | CS-ME14CB1P | | CU-2E15CBPG | CU-2E18CBPG | CU-3E23CBPG | CU-4E27CBPG |
|  |  | P16 | 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 |  |  | CS-W7CKP (CU-W7CKP5) CS-V7CKP (CU-V7CKP5) | CS-W9CKP (CU-W9CKP5) CS-V9CKP (CU-V9CKP5) | CS-W12CKP (CU-W12CKP5) CS-V12CKP (CU-V12CKP5) | |
| Deluxe Wide Models | | | | | | |
| P18 |  |  | | | CS-W18CKE (CU-W18CKE) CS-V18CKE (CU-V18CKE) | CS-W24CKE (CU-W24CKE) CS-V24CKE (CU-V24CKE) |
| |  |  | | | | CS-W28BKP5 (CU-W28BKP5) CS-V28BKP5 (CU-V28BKP5) |
| Standard Models | | | | | | |
| P19 |  |  | | CS-PW9CKE (CU-PW9CKE) CS-PV9CKE (CU-PV9CKE) | CS-PW12CKE (CU-PW12CKE) CS-PV12CKE (CU-PV12CKE) | |
| Standard Wide Models | | | | | | |
| P19 |  |  | | | | CS-PW18CKE (CU-PW18CKE) |

3

Floor or Ceiling Split Type

| | | | | | |
|-----------------------|---|---|--|--|--|
| Dual-Mountable |  |  | CS-W12CTP (CU-W12CTP5) CS-V12CTP (CU-V12CTP5) | CS-W18CTP (CU-W18CTP5) CS-V18CTP (CU-V18CTP5) | CS-W24CTP (CU-W24CTP5) CS-V24CTP (CU-V24CTP5) |
|-----------------------|---|---|--|--|--|

Multi Split Type

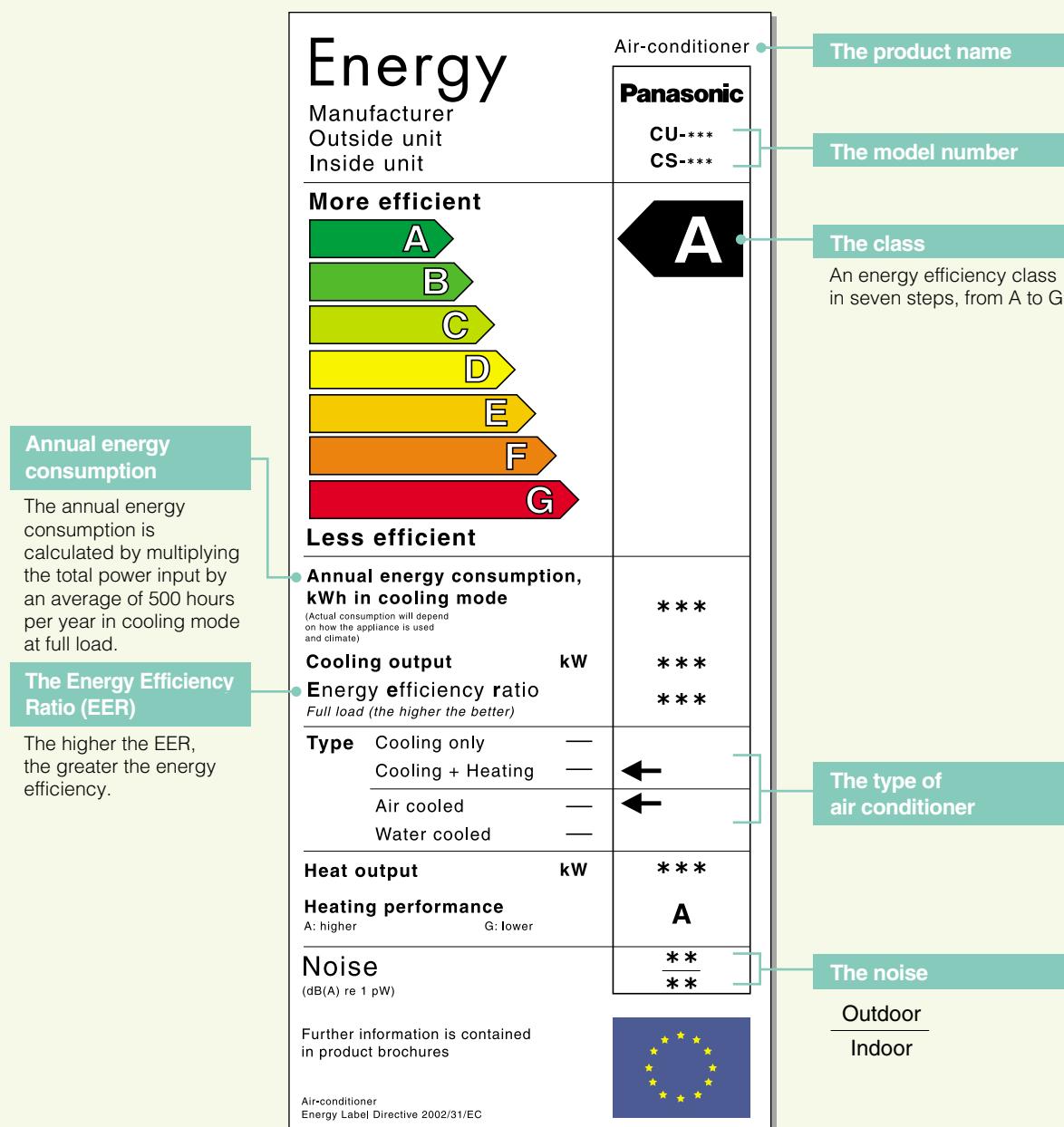
| | | | |
|-----------------------------|---|---|--|
| Two Rooms |  |  | CS-V9BKG _{x2} (CU-2V14BKG5G) CS-V9BKG _{x2} (CU-2V18BKG5G) |
| Different Capacities |  |  | CS-V7BKG CS-V12BKG (CU-2V19BKG5G) |
| Three Rooms |  |  | CS-V9BKG _{x3} (CU-3V20BKG5G) |

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?





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 < EER
- B** 3.20 ≥ EER > 3.00
- C** 3.00 ≥ EER > 2.80
- D** 2.80 ≥ EER > 2.60
- E** 2.60 ≥ EER > 2.40
- F** 2.40 ≥ EER > 2.20
- G** 2.20 ≥ EER

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

- A** 3.60 < COP
- B** 3.60 ≥ COP > 3.40
- C** 3.40 ≥ COP > 3.20
- D** 3.20 ≥ COP > 2.80
- E** 2.80 ≥ COP > 2.60
- F** 2.60 ≥ COP > 2.40
- G** 2.40 ≥ COP

5

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.

6



-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 Enhances Comfort

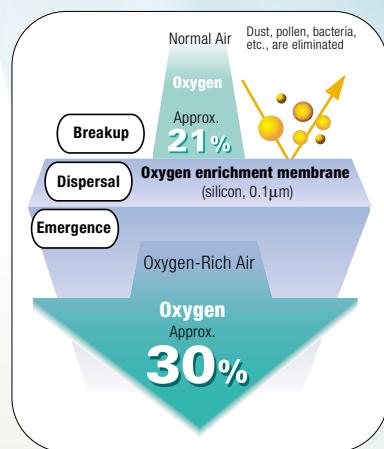


Fills Your Room with Vital Oxygen

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.

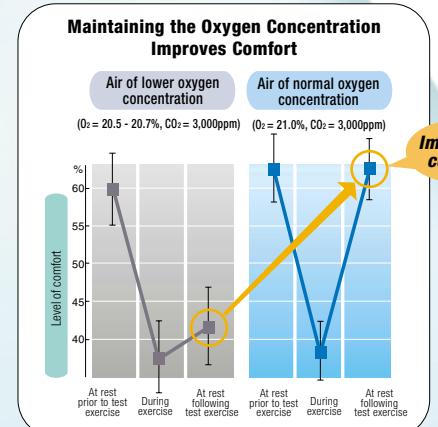
Producing Oxygen-Rich Air with the Membrane



* Varies depending on the environment



Panasonic's Unique
Oxygen Enrichment
Membrane System



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 ($O_2 = 21.0\%$, $CO_2 = 3,000 \text{ ppm}$) or air with a lower oxygen concentration ($O_2 = 20.5\%$ to 20.7% , $CO_2 = 3,000 \text{ ppm}$). 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.

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.

Comfort

2

Ion Freshener

Refreshes

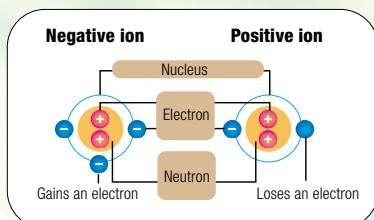
Refresh Your Room with Negative Ions

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.

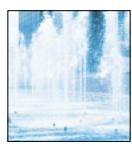


What Are Negative Ions?



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

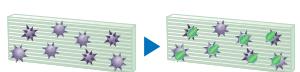
The catechin air purifying filter catches dust mites, cigarette smoke, and other common pollutants. It also traps and inactivates

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



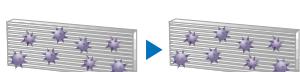
Virus Deactivation Comparison

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

* Virus activity rate after six hours at room temperature

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.

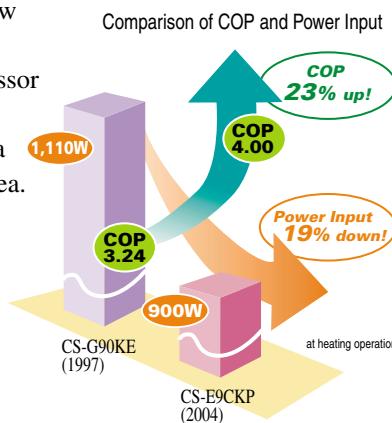
Panasonic's Four Keys to More Comfort

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.



10

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.

26dB
Indoor^{*1}



46dB
Outdoor^{*2}



*1 CS-XE9CKE, CS-E9CKP, CS-W7CKP, CS-W9CKP, CS-V7CKP, CS-V9CKP, CS-V7BKP, CS-V9BKP
*2 CU-XE9CKE, CU-E9CKP, CU-V7CKP: In cooling mode

: In cooling mode with low fan speed

*2 CU-XE9CKE, CU-E9CKP, CU-V7CKP: 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



Slide open

Cover closed

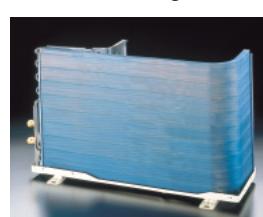
Cover open

DURABLE

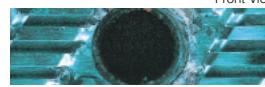
Blue Fin Condenser



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.

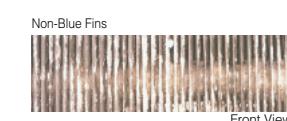
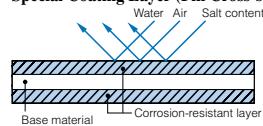


Cyclic Corrosion Test Results



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)



This was tested by:

1. Matsushita Air Conditioning R&D Centre Sdn. Bhd.

2. A third party authorized research institute in Malaysia.

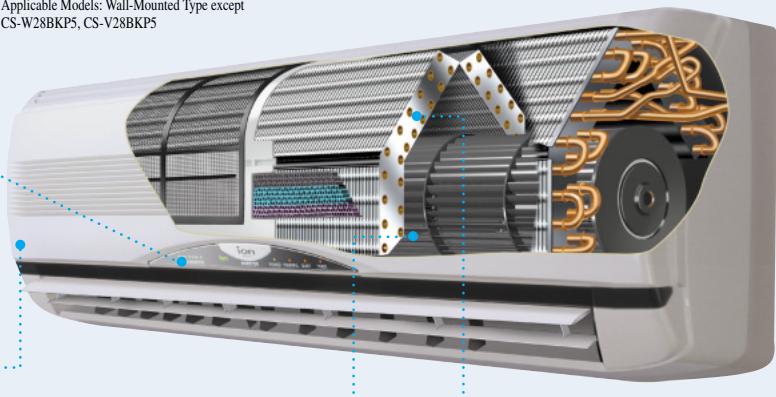
Technologies that Deliver New Levels of Comfort



Mirror-finish indicator panel

Stylish Design

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



CS-E9CKP, CS-E12CKP, CS-E15CKP

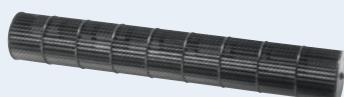
Removable, Washable Panel



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

Cross-Flow Fan

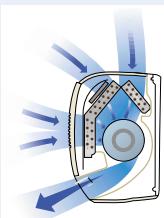
We increased the diameter of the cross-flow fan by 90 mm to improve the airflow path. This maintains super-quiet operation while the increased airflow sends clean, comfortable air to every corner of the room.



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.

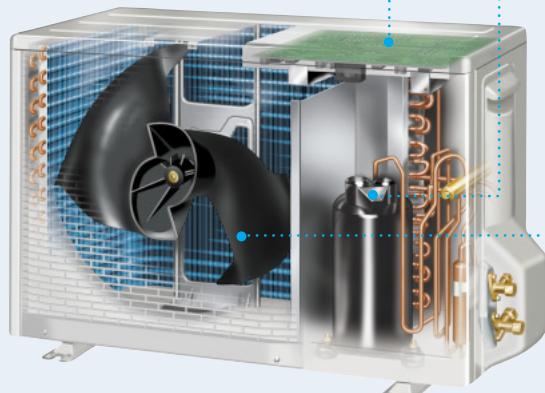


Applicable Models: Wall-Mounted Type except CS-PE9CKE, CS-PE12CKE, CS-PW9CKE, CS-PW12CKE, CS-PW18CKE, CS-PV9CKE, CS-PV12CKE, CS-W28BKP5, CS-V28BKP5

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

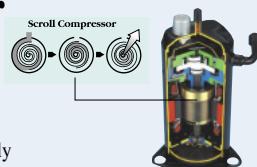


e-scroll Compressor

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

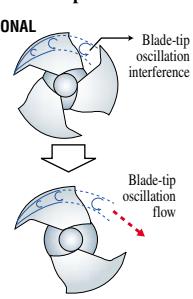
The new 2-Wing Fan makes the outdoor unit even quieter by suppressing airflow noise, and improves efficiency by pulling in more air.

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

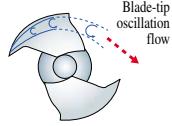


A System that Improves Airflow

CONVENTIONAL



NEW



Single Inverter Split Type

Super Deluxe Models

See Specifications P.28



New



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



With
• Bilingual Sticker
• Unit Holder



CU-XE9CKE/
XE12CKE

Cooling

Heating

12

26dB

26dB Super Quiet in cooling mode with low fan speed

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.

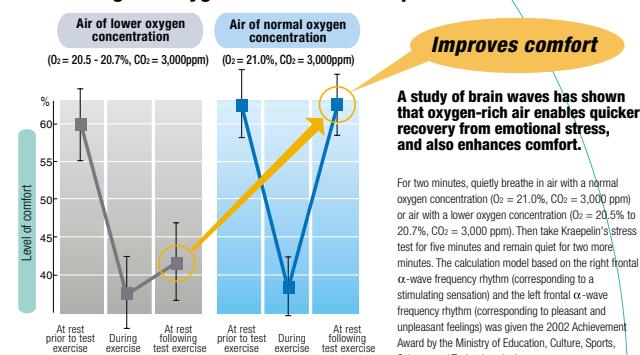
O₂ Shower: For Clean, Oxygen-Rich Air

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

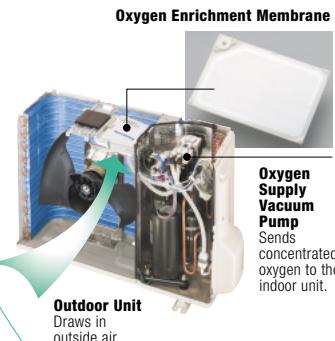
concentration of the room's air at around 21% or higher – about the same as in the natural environment. Studies have shown that this kind of environment has a comforting effect on people. (See graph at right.)

Maintaining the Oxygen Concentration Improves Comfort



For two minutes, quietly breathe in air with a normal oxygen concentration ($O_2 = 21.0\%$, $CO_2 = 3,000\text{ppm}$) or air with a lower oxygen concentration ($O_2 = 20.5\%$ to 20.7% , $CO_2 = 3,000\text{ ppm}$). Then take Tkeapekin'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.

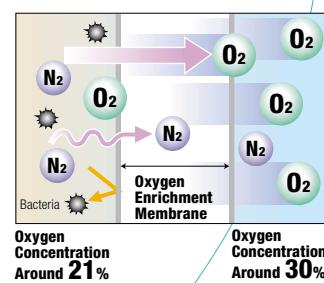
Special Membrane Raises Oxygen Concentration to Around 30%



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.

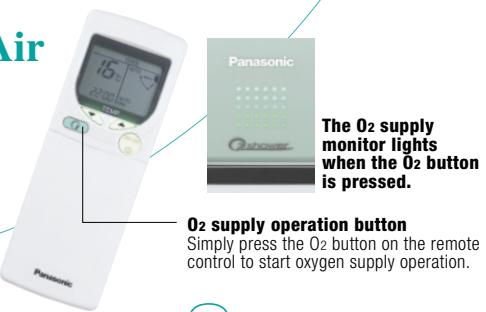
How the Oxygen Enrichment Membrane Raises the Oxygen Concentration to Around 30%



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

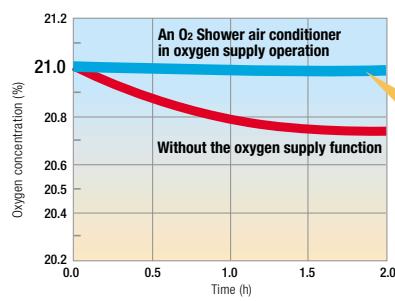
around 21% or higher. The oxygen supply function can be used by itself, or together with cooling or drying.



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

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.

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

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

O₂ Topics

Single Inverter Split Type

Deluxe Models

See Specifications P.28



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

**Extended Piping—
Up to 15m!**



With
• Bilingual Sticker
• Unit Holder



CU-E9CKP5/E12CKP5
/E15CKP5

14

Deluxe Wide Models

See Specifications P.28



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

**Extended Piping—
Up to 25m!**



With
• Bilingual Sticker
• Unit Holder



CU-E18CKE/E21CKE
/E24CKE



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

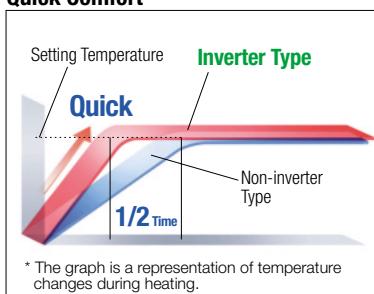
15

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.

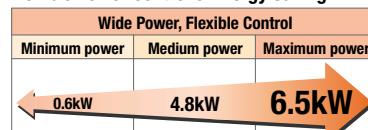
Quick Comfort



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

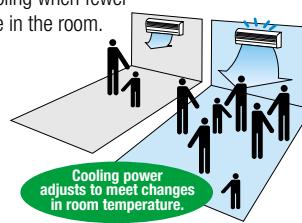


The graph shows the CS-E12CKP's wide power output range during heating.

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 CS-ME10CKPG CS-ME12CKPG

[2.2 kW class] [2.8 kW class] [3.2 kW class]

CS-ME14CKPG CS-ME18CKPG

[4.0 kW class] [5.0 kW class]

2 rooms

CU-2E15CBPG



CU-2E18CBPG



Cassette

See Specifications P.25-P.27



Heat Pump Models

CS-ME7CB1P CS-ME10CB1P

[2.2 kW class] [2.8 kW class]

CS-ME12CB1P CS-ME14CB1P

[3.2 kW class] [4.0 kW class]

3 rooms

CU-3E23CBPG



Hyde-Away

See Specifications P.25-P.27



Heat Pump Models

CS-ME10CD3P CS-ME14CD3P

[2.8 kW class] [4.0 kW class]

4 rooms

CU-4E27CBPG



Inverter Series

Choose the Best Inverter —Panasonic—

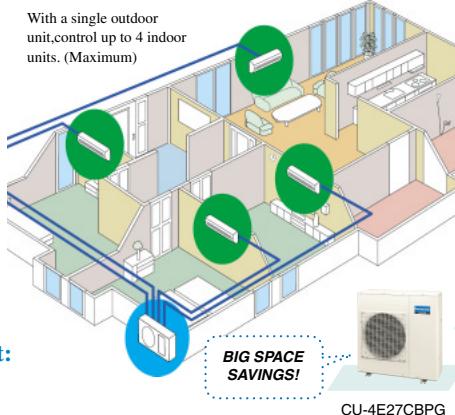
Advantages of the Multi Inverter System

- Adjust the operation settings for each indoor unit independently.

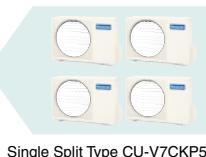
- Quiet-operating outdoor unit **48dB**

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.**



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 * Must be within capacity range. | Capacity Range | Refrigerant pipe diameter | | | Pipe extension | | | | Indoor Unit Type Combination | Wall-Mounted | Cassette | Hyde-Away |
|------------------|-------------|--|------------------|---------------------------|-------------|----------|------------------------------|-----------------------------|---------------------------|----------------|---------------------------------|--------------|----------|-----------|
| Indoor Unit Type | Combination | | | Indoor unit | Liquid side | Gas side | Maximum pipe length (1 room) | Maximum pipe length (total) | Maximum chargeless length | Additional Gas | | | | |
| 2 rooms | CU-2E15CBPG | A 2.2 2.8 * Either unit | 4.4 I 5.0 kW | Room A | ø 6.35 | ø 9.52 | 20 m | 30 m | 20 m | 20 g/m | 10 m | 2.2 | ● | |
| | | B 2.2 2.8 * Either unit | | Room B | ø 6.35 | ø 9.52 | | | | | | 2.8 | ● | ● |
| | CU-2E18CBPG | A 2.2 2.8 3.2 * Either unit | | Room A | ø 6.35 | ø 9.52 | 20 m | 30 m | 20 m | 20 g/m | 10 m | 2.2 | ● | |
| | | B 2.2 2.8 3.2 * Either unit | | Room B | ø 6.35 | ø 9.52 | | | | | | 2.8 | ● | ● |
| 3 rooms | CU-3E23CBPG | A 2.2 2.8 3.2 4.0 5.0 * Either unit | 5.0 I 10.0 kW | Room A | ø 6.35 | ø 9.52 | 25 m | 50 m | 30 m | 20 g/m | 15 m | 2.2 | ● | ● |
| | | B 2.2 2.8 3.2 4.0 5.0 * Either unit | | Room B | ø 6.35 | ø 9.52 | | | | | | 2.8 | ● | ● |
| | | C 2.2 2.8 3.2 4.0 5.0 * Either unit | | Room C | ø 6.35 | ø 9.52 | | | | | | 3.2 | ● | ● |
| | CU-4E27CBPG | A 2.2 2.8 3.2 4.0 5.0 * Either unit | | Room A | ø 6.35 | ø 9.52 | 25 m | 70 m | 40 m | 20 g/m | 15 m | 2.2 | ● | ● |
| | | B 2.2 2.8 3.2 4.0 5.0 * Either unit | | Room B | ø 6.35 | ø 9.52 | | | | | | 2.8 | ● | ● |
| 4 rooms | CU-4E27CBPG | C 2.2 2.8 3.2 4.0 5.0 * Either unit | 5.0 I 13.6 kW | Room C | ø 6.35 | ø 9.52 | 25 m | 70 m | 40 m | 20 g/m | 15 m | 3.2 | ● | ● |
| | | D 2.2 2.8 3.2 4.0 5.0 * Either unit | | Room D | ø 6.35 | ø 9.52 | | | | | | 4.0 | ● | ● |
| | | E 2.2 2.8 3.2 4.0 5.0 * Either unit | | | | | | | | | | 5.0 | ● | |

Single Split Type

Deluxe Models

See Specifications P.29, P.30



Heat Pump Models

CS-W7CKP A

2.38 kW EER: 3.61
2.45 kW COP: 4.12

CS-W9CKP A

2.90 kW EER: 3.41
3.14 kW COP: 4.03

CS-W12CKP A

3.74 kW EER: 3.40
4.09 kW COP: 3.82

Cooling Models

CS-V7CKP A

2.40 kW EER: 3.69
26dB

CS-V9CKP A

3.02 kW EER: 3.64
26dB

CS-V12CKP A

3.70 kW EER: 3.43
26dB

Deluxe Wide Models

See Specifications P.29, P.30



Heat Pump Models

CS-W18CKE

5.30 kW EER: 3.21
5.55 kW COP: 3.26

CS-W24CKE

7.03 kW EER: 2.53
7.72 kW COP: 2.87

Cooling Models

CS-V18CKE A

5.30 kW EER: 3.25

CS-V24CKE

7.03 kW EER: 2.70



Heat Pump Models

CS-W28BKP5

7.90 kW EER: 2.65
9.20 kW COP: 2.63

Cooling Models

CS-V28BKP5

7.90 kW EER: 2.65



26dB Super Quiet in cooling mode with low fan speed

Cooling

Heating

Standard Models

See Specifications P.29, P.30



New

Catechin
Filter
(Option)

Triple
Deodorizing
Filter
(Option)



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



With
•Bilingual Sticker



CU-PW9CKE/PV12CKE
/PV9CKE/PV12CKE

Standard Wide Models

See Specifications P.31



New

Catechin
Filter
(Option)

Triple
Deodorizing
Filter
(Option)



Heat Pump Models

CS-PW18CKE

5.10 kW EER: 2.91

5.30 kW COP: 3.35



With
•Bilingual Sticker



CU-PW18CKE

Cooling

Heating

Multi Split Type

Two Rooms

See Specifications P.32



Catechin
Filter

Solar
Refreshing
Filter

Luminous
Remote Controller



- With •Bilingual Sticker
- Unit Holder

Cooling Models

26dB

CS-V9BKPX2 CU-2V14BKP5G

One-Unit Operation

3.00 kW EER:2.54

1-Compressor Dual Split Type

Two-Unit Operation

3.70 kW EER:2.98

CS-V9BKPX2 CU-2V18BKP5G

One-Unit Operation

2.73 kW EER:3.17

2-Compressor Dual Split Type

26dB

Cooling Models / Different Capacities

CS-V7BKPX / CS-V12BKPX CU-2V19BKP5G

One-Unit Operation

(CS-V7BKPX)

2.10 kW EER:2.92

2-Compressor Dual Split Type

One-Unit Operation

(CS-V12BKPX)

3.55 kW EER:2.89

Two-Unit Operation

(CS-V7BKPX+CS-V12BKPX)

5.65 kW EER:3.05

Three Rooms

See Specifications P.33



Catechin
Filter

Solar
Refreshing
Filter

Luminous
Remote Controller



- With •Bilingual Sticker
- Unit Holder

Cooling Models

26dB

CS-V9BKPX3 CU-3V20BKP5G **A**

One-Unit Operation
(B)

2.73 kW EER:3.00

2-Compressor Triple Split Type

One-Unit Operation
(A1 or A2)

2.95 kW EER:2.63

2-Compressor Triple Split Type

Two-Unit Operation
(B + A1 or A2)

5.68 kW EER:2.93

2-Compressor Triple Split Type

Two-Unit Operation
(A1 + A2)

3.82 kW EER:3.18

2-Compressor Triple Split Type

Three-Unit Operation
(B + A1 + A2)

6.55 kW EER:3.29

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)



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

21

Cooling

Heating

Compact, Stylish Design and Flexible Installation

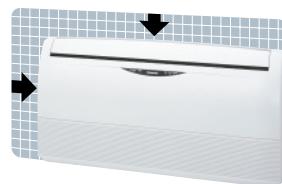
Stylish New Design



Powerful yet Energy-Saving



Space-Saving



Greater Airflow Comfort

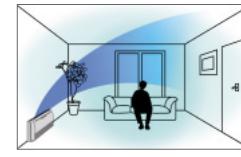
A new flap design and Auto Air Swing function optimise room comfort by giving you finer control over the airflow direction.



When Cooling
Flap:
Upward Airflow



When Heating
Flap:
Downward Airflow



The cool airflow spreads throughout the room



Warms the feet area

21

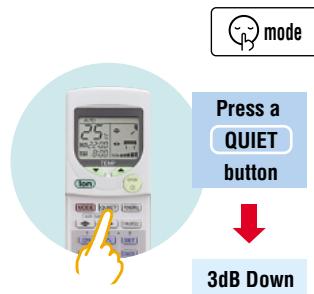
Feature Comparison

| | | 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-W7CKP CS-V9CKP CS-V12CKP | 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 | R410A | | |
| Healthy Air Quality | Anti-Mold, One-Touch Air Filter | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Catechin Air Purifying Filter | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | (Option) | <input type="radio"/> | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Solar Refreshing Deodorizing Filter | | | | | | <input type="radio"/> | | | | | | | | |
| | Triple Deodorizing Filter (Solar Refreshing) | | | <input type="radio"/> | <input type="radio"/> | (Option) | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Odour-Removing Function | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Odour Wash | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | |
| | Removable,Washable Panel | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Ion Freshener | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | O ₂ Shower | | <input type="radio"/> | | | | | | | | | | | | |
| Comfortable | Personal Airflow Creation | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | <input type="radio"/> | <input type="radio"/> | | |
| | Airflow Direction Control (Up & Down) | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Manual Horizontal Airflow Direction Control | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Circulation Operation Mode | | | | | | | | | | | <input type="radio"/> | | <input type="radio"/> | |
| | Hot Start Control | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Inverter Control | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | |
| | Powerful Mode | | | <input type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Economy Mode | | | | | | | | | | | | | | |
| | Quiet Mode | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Soft Dry Operation Mode | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Sleep Mode | | | | | | | | | | | | | | |
| | Sleep Timer Mode | | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | |
| Convenient | 24-Hour ON&OFF Real Setting Timer | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | 12-Hour ON&OFF Timer | | | | | | <input type="radio"/> | | | | | | | | |
| | Luminous Remote Controller | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | LCD Wireless Remote Controller | | | | | | <input type="radio"/> | | | | | | | | |
| | Bilingual Sticker | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Auto Changeover (Inverter) | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | |
| | Auto Changeover | | | | | | | | | | <input type="radio"/> | | <input type="radio"/> | | |
| | Automatic Operation Mode (C/O) | | | | | | | | | | <input type="radio"/> | | <input type="radio"/> | | |
| | Filter Cleaning Indicator | | | | | | | <input type="radio"/> | | | | | | | |
| Reliable | Blue Fin Condenser | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| | Auto Restart | | <input type="radio"/> | (Random) | <input type="radio"/> | (Random) | <input type="radio"/> | (Random) | <input type="radio"/> | (Random) | <input type="radio"/> | (Random) | <input type="radio"/> | (Random) | |
| | Self-Diagnostic Function | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | |
| | Long Piping | | 15m | 15m | 20m(E18/E21) 25m(E24) | 10m(PE9) 15m(PE12) | 30m(20m ² E15,18) 50m(25m ² E23) 70m(25m ² E27) | 50m(25m ² E23) 70m(25m ² E27) | 30m(20m ² E15,18) 50m(25m ² E23) 70m(25m ² E27) | 10m(W7/W9) 15m(W12) | 10m(V7/V9) 15m(V12) | 25m | 25m | | |
| | Top-Panel Maintenance Access | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | |

Panasonic's Advanced Features

Quiet Mode

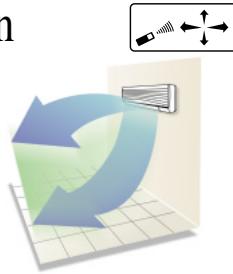
Simply press a button to reduce the indoor unit operating sound by about 3 dB. This function is especially convenient when you are putting a baby to sleep.



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.

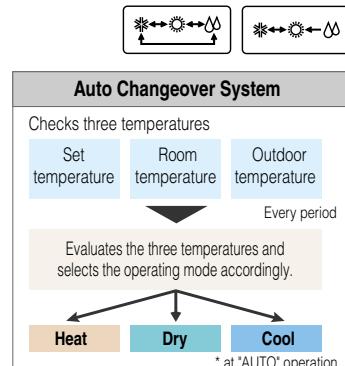


**Left & Right Airflow—
5Pattern+Auto**

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.



* Total room/One room

* 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), ø1.5 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 |

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)

Standard Specifications



Cooling
Heating

| 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), ø1.5 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)

Standard Specifications



Cooling
Heating

| 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), ø1.5 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 |

25

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

Standard Specifications



Cooling
Heating

| 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 | |
| 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), ø1.5 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.

| | | | | | |
|--------------------|------------------|--|--|--|--|
| 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 | | | |

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.

CU-2E15CBPG

| | 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 | | | | | kW | kW | kW | A | W | | |
| 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 | |

*A.E.C. : Annual Energy Consumption
The specifications are different from other type of indoor units when 2.8kW duct type is connected to CU-2E15CBPG.

CU-2E18CBPG

| | 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 | | | | | kW | kW | kW | A | W | | |
| 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 | 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 | |
| | 2.2 + 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 | |
| | 2.2 + 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) | 5.55 | 1,250 (210 - 1,740) | 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) | 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

| | 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 | | | | | kW | kW | kW | A | 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 - 4.1) | 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 | |
| 2 rooms | 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 | |
| | 2.2 + 2.2 | 2.20 | 2.20 | — | 4.40 | 400 (210 - 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) | 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) | 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) | 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) | A | 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) | 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) | A | 850 | 3.70 | 4.30 | — | 8.00 (2.4 - 8.8) | 8.60 | 1,970 (440 - 3,020) | A |
| 3 rooms | 2.8 + 4.0 | 2.80 | 4.00 | — | 6.80 | (2.2 - 7.1) | 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) | A | 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) | 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) | A | 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) | 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) | 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) | 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) | A | 1,035 | 4.30 | 4.30 | — | 8.60 (3.5 - 9.1) | 9.15 | 2,070 (590 - 2,940) | A |
| | 2.2 + 2.2 + 2.2 | 2.20 | 2.20 | 2.20 | 6.60 | (2.2 - 7.7) | A | 925 | 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) | A | 990 | 2.65 | 2.65 | 8.60 (3.2 - 8.9) | 8.70 | 1,980 (510 - 2,800) | A | |
| 3 rooms | 2.2 + 2.2 + 3.2 | 1.95 | 2.90 | 6.80 | (2.5 - 8.1) | 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 | 3.20 | 6.80 | (2.6 - 8.2) | A | 980 | 2.25 | 4.10 | 4.10 | 8.60 (3.2 - 8.8) | 8.50 | 1,940 (510 - 2,760) | A | |
| | 2.2 + 2.2 + 5.0 | | | | | | | | | | | | | | |

CU-4E27CBPG

*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 kW | Room B kW | Room C kW | Room D kW | | | | | Total kW | A | W | kW | kW | kW | kW | Total kW | A | 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 rooms | 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 | 2,230 (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) | 9.9 | 2,470 (590 - 3,290) | A | | |
| | 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 | | |
| 4 rooms | 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 | | |
| 5 rooms | 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 | 2.90 | — | — | 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 | 2.00 | 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 | 2.35 | 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 | | |
| | 3.2 + 3.2 + 4.0 | 2.25 | 2.45 | 3.10 | — | 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 | | |
| 6 rooms | 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 - 8.5) | 10.5 | 2,390 (490 - 2,840) | A | 1,195 | 3.13 | 3.13 | 3.13 | — | — | | | | | | |

Single Inverter Split Type



Specifications

| Cooling Heating | | | | | | | | | | | |
|------------------------------------|---|--|--|--|--|--|--|--|--|--|--|
| Model | (50Hz) | 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) dB(A) | 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) dB(A) | 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) dB | 50 51 | 53 53 | 50 51 | 53 53 | 54 54 | 57 57 | 58 58 | 60 60 | 53 53 | 53 53 |
| | Outdoor (Hi) dB | 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 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 |
| | Liquid Side inch | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
| Gas Side | mm | 9.52 | 12.70 | 9.52 | 12.70 | 12.70 | 12.70 | 12.70 | 15.88 | 9.52 | 12.70 |
| | inch | 3/8" | 1/2" | 3/8" | 1/2" | 1/2" | 1/2" | 1/2" | 5/8" | 3/8" | 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 | | | | | B | | C | C | | |
| | Annual Energy Consumption kW | 350 | 475 | 350 | 475 | 700 | 825 | 1,105 | 1,205 | 390 | 490 |
| | Heating Class | | | | | B | | B | D | | |

* 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 / Floor or Ceiling Split Type

R410A

R407C

(CS-V28BKP5)

Specifications

| Model (50Hz) | | 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) | m³/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



R407C
(CS-W28BKP5) Cooling
Heating

| 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 |
| | kW | 2.45 | 3.14 | 4.09 | 5.55 | 7.72 | 9.20 |
| Heating Capacity | kW | 2.110 | 2,700 | 3,520 | 4,770 | 6,640 | 7,912 |
| | 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 2.7 | 3.7 3.5 | 4.9 4.8 | 7.4 7.6 | 13.1 12.9 | 14.0 16.0 |
| Power Input | W | 660 595 | 850 780 | 1,100 1,070 | 1,650 1,700 | 2,780 2,690 | 2,980 3,500 |
| Noise | Sound Pressure Level | | | | | | |
| | Indoor (Hi/Lo) | dB(A) 34/26 36/26 | 36/26 39/26 | 39/29 40/29 | 43/38 42/38 | 47/41 46/41 | 48/44 48/44 |
| | Outdoor (Hi) | dB(A) 46 48 | 48 49 | 49 49 | 55 56 | 60 61 | 63 63 |
| | Sound Power Level* | | | | | | |
| Indoor (Hi) | dB | 47 49 | 49 52 | 52 53 | 55 53 | 59 57 | 59 59 |
| | Outdoor (Hi) | dB 61 63 | 63 64 | 64 65 | 68 69 | 74 74 | 76 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 | 9.9 10.2 | 10.2 10.6 | 15.6 16.4 | 17.5 18.1 | 18.0 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 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" |
| 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 | | | | | E | D |
| | Annual Energy Consumption kW | 330 | 425 | 550 | 825 | 1,390 | 1,490 |
| | Heating Class | | | | 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 3.7 | 5.3 4.9 | 7.7 6.9 | 5.1 5.3 | 7.6 7.9 | 13.0 13.7 |
| Power Input | W | 880 830 | 1,200 1,120 | 1,750 1,580 | 1,150 1,180 | 1,690 1,740 | 2,750 2,890 |
| Noise | Sound Pressure Level Indoor (Hi/Lo) | 38/29 40/29 | 40/31 41/31 | 45/38 43/38 | 39/33 39/33 | 45/39 45/39 | 47/42 47/42 |
| | Outdoor (Hi) | dB(A) | 50 50 | 51 51 | 55 55 | 49 49 | 55 56 |
| | Sound Power Level* | | | | | | |
| | Indoor (Hi) | dB | 51 53 | 53 54 | 58 56 | 52 52 | 58 58 |
| Dimensions | Outdoor (Hi) | dB | 65 65 | 66 66 | 70 70 | 64 65 | 68 69 |
| | Moisture Removal | L/h | 1.6 | 1.9 | 2.9 | 2.1 | 2.9 |
| | Air Circulation (Indoor/Hi) | m³/min | 10.2 10.4 | 10.2 10.6 | 15.6 16.4 | 9.7 9.7 | 12.4 12.4 |
| | Indoor (Outdoor) | | | | | | |
| Height | | mm | 275 (540) | 275 (540) | 275 (540) | 540 (540) | 540 (685) |
| Width | | mm | 799 (780) | 799 (780) | 998 (780) | 1,028 (780) | 1,028 (800) |
| Depth | | mm | 210 (289) | 210 (289) | 210 (289) | 200 (289) | 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 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" | 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 |
| 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 |

* 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 B | | 1 Unit A |
| Cooling Capacity kW | | 3.00 | | 3.70 | | 2.73 | | 5.46 |
| kcal/h | | 2,580 | | 3,180 | | 2,350 | | 4,700 |
| EER W/W | | 2.54 | | 2.98 | | 3.17 | | 3.17 |
| Electrical Data | | | | | | | | |
| Voltage V | | 230 | | 230 | | 230 | | 230 |
| Running Current A | | 5.3 | | 5.6 | | 3.9 | | 7.8 |
| Power Input W | | 1,180 | | 1,240 | | 860 | | 1,720 |
| Noise | Sound Pressure Level | | | | | | | |
| | Indoor (Hi/Lo) dB(A) | | 36/26 | | 36/26 | | 36/26 | |
| | Outdoor (Hi) dB(A) | | 47 | | 47 | | 55 | |
| | Sound Power Level* | | Indoor (Hi) dB | | 49 | | 49 | |
| Indoor (Hi) | | 62 | | 62 | | 49 | | 46 |
| Outdoor (Hi) | | 70 | | 70 | | 70 | | 52 |
| Moisture Removal L/h | | 1.7 | | 2.2 | | 1.6 | | 3.0 |
| Air Circulation (Indoor/Hi) m³/min | | 9.9 | | 9.9 | | 8.5 | | 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 |

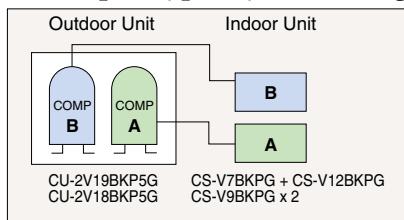
* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.

** 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.

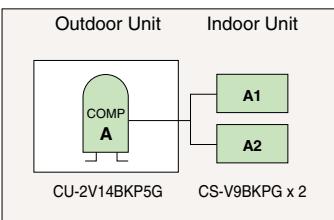
32

Multi Split Type : System Configuration



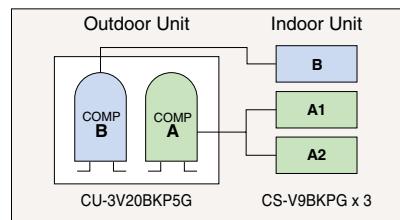
2-Compressor Dual Split Type

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 (50Hz) | | Unit B, A1, A2:CS-V9BKGx3 (CU-3V20BKG5G) | | | | |
|---------------------------------|---------------------------------|---|---------------------------|------------------------------|-------------------------|---------------------------|
| Operation | | 1 Unit B | 1 Unit A1 or A2 | 2 Units B+A1 or A2 | 2 Units A1+A2 | 3 Units B+A1+A2 |
| Cooling Capacity | 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 | V | 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 |
| Sound Power Level* | Outdoor (Hi) dB(A) | 56 | 56 | 56 | 56 | 56 |
| | 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) | m³/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 Indoor (Outdoor) | 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 | |
| | Annual Energy Consumption kW | 455 | 560 | 970 | 600 | 995 |

* The cooling sound power level specification is based on EUROTENT 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

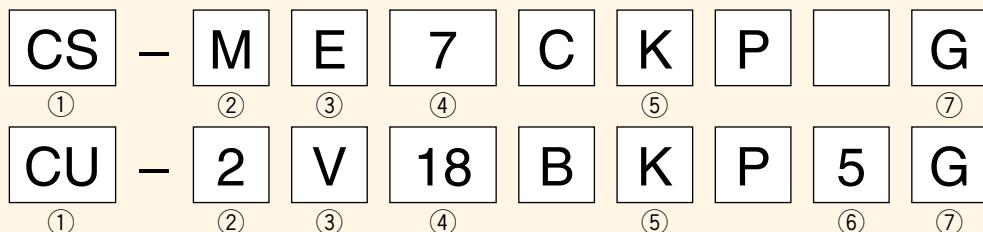


MS ISO 14001 CERT. NO. MO 15802127
MS ISO 14001 CERT. NO. MO 08932377
CERTIFIED TO MS ISO 14001: 1997
MATSUSHITA INDUSTRIAL CORP. SDN. BHD.(MAICO)
Certification No.: M015802127
MATSUSHITA AIR-CONDITIONING CORP. SDN. BHD. (MACC)
Certification No.: MO06301067



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

(3) Function

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

(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

(2) Connection Configuration

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

(4) Capacity

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

(6) Power Supply

5 : 50 Hz (Single Phase)

(7) Other

G: Outdoor Power Supply
for Multi Split Type

Optional Accessories

Remote Control Unit Holder



CZ-RK1N

Replacement Filters

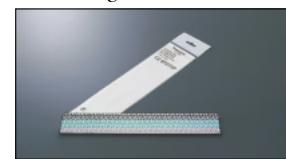
- Take care of the filter every six months. Replacement : every three years.

Replacement Catechin Air Purifying Filter



CZ-SF70P CZ-SF71P

Replacement Triple Deodorizing Filter



CZ-SFD72P

Replacement Solar Refreshing Deodorizing Filter



CZ-SFD70P CZ-SFD71P

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-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,CSME12CKPG, 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.