Panasonic
ideas for life

Air Conditioners

First-class air quality

Panasonic creates first-class air quality for healthier living

We have expanded our line-up of comfortable, energy-saving inverter air conditioners. Under the concept of "Air Cleaning + Air-Creating," we have added a new air cleaning function with SUPER alleru-buster filter to our popular O_2 and negative ion air-creating functions. The result: elegantly designed models that deliver first-class air.


Air quality
for greater health
Sophisticated designs
for attractive styling
Energy-saving efficiency
for greater economy

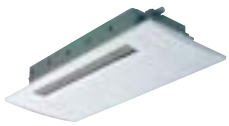
Model Line-Up Choose the Best Inverter — Panasonic —

Single Inverter Split

Wall-Mounted

Indoor	Flagship NEW	Super-Deluxe NEW	Super-Deluxe Slim NEW	Deluxe NEW	Deluxe-Wide NEW
	 p.16	 p.16	 p.16	 p.17	 p.17
Capacity (kW) 2.5	CS-HE9DKE (CU-HE9DKE) A	CS-XE9DKE (CU-XE9DKE) A	CS-TE9DKE (CU-TE9DKE) A	CS-E9DKEW (CU-E9DKE) A	
3.5	CS-HE12DKE (CU-HE12DKE) A	CS-XE12DKE (CU-XE12DKE) A	CS-TE12DKE (CU-TE12DKE) A	CS-E12DKEW (CU-E12DKE) A	
4.5				CS-E15DKEW (CU-E15DKE) A	
5.0					CS-E18DKEW (CU-E18DKE) A
6.0					CS-E21DKES (CU-E21DKE)
6.5					CS-E24DKE (CU-E24DKE)
Air Quality Features	O2 ION	O2 ION	ION	ION	ION

Multi Inverter Split

	Wall-Mounted		Floor or Ceiling	Cassette (1-way)
Indoor	Deluxe NEW	Deluxe-Wide NEW	NEW	
	 p.20~p.21	 p.20~p.21	  p.20~p.21	 p.20~p.21
Capacity (kW) 2.2	CS-ME7DKEG			CS-ME7CB1P
2.8	CS-E9DKEW		CS-ME10DTEG	CS-ME10CB1P
3.2	CS-E12DKEW			CS-ME12CB1P
4.0		CS-E15DKEW	CS-E15DTEW	CS-ME14CB1P
5.0		CS-E18DKEW	CS-E18DTEW	
Air Quality Features	ION	ION	(option)	

Single Split

Wall-Mounted

		Deluxe NEW	Deluxe-Wide NEW		Standard NEW	Standard-Wide NEW	Floor or Ceiling
Indoor		 p.22	 p.22	 p.22	 p.23	 p.23	 p.23
Capacity (kW)	2.0	CS-W7DKE (CU-W7DKE) A					
		CS-V7DKE (CU-V7DKE) A					
	2.5	CS-W9DKE (CU-W9DKE) A			CS-PW9DKE (CU-PW9DKE) A		
		CS-V9DKE (CU-V9DKE) A			CS-PV9DKE (CU-PV9DKE) A		
	3.5	CS-W12DKE (CU-W12DKE) A			CS-PW12DKE (CU-PW12DKE) A		CS-W12CTP (CU-W12CTP5)
		CS-V12DKE (CU-V12DKE) A			CS-PV12DKE (CU-PV12DKE)		CS-V12CTP (CU-V12CTP5)
	5.0		CS-W18DKE (CU-W18DKE) A			CS-PW18DKE (CU-PW18DKE)	CS-W18CTP (CU-W18CTP5)
			CS-V18DKE (CU-V18DKE) A				CS-V18CTP (CU-V18CTP5)
	6.5		CS-W24DKE (CU-W24DKE)				CS-W24CTP (CU-W24CTP5)
			CS-V24DKE (CU-V24DKE)				CS-V24CTP (CU-V24CTP5)
	8.0			CS-W28BKP5 (CU-W28BKP5)			
				CS-V28BKP5 (CU-V28BKP5)			
Air Quality Features		ION	ION	APF DF	AQ indic (option)	(option)	

Heat Pump Models
Cooling Models

O2 O2 air | Supersonic Air Purifying System | Super alleru-buster filter (Super alleru-buster + Catechin + Bio) | ION Ion Freshener | APF Air Purifying Filter (Catechin) | DF Deodorizing Filter (Solar Refreshing) | AQ indic Air Quality Indicator

Energy-Efficiency Classification Most efficient level : A	COOLING A 3.20 < EER

Refer to page 19 for information on Energy-Efficiency Classification.

	Floor or Ceiling	Cassette (4-way)	Hide-Away
Standard NEW  p.17	NEW   p.18	NEW  p.18	NEW  p.18
CS-PE9DKE (CU-PE9DKE) A			
CS-PE12DKE (CU-PE12DKE) A			
	CS-E15DTEW (CU-E15DBE) A	CS-E15DB4EW (CU-E15DBE)	CS-E15DD3EW (CU-E15DBE) A
	CS-E18DTEW (CU-E18DBE)	CS-E18DB4EW (CU-E18DBE)	CS-E18DD3EW (CU-E18DBE)
	CS-E21DTES (CU-E21DBE)	CS-E21DB4ES (CU-E21DBE)	
AQ indic (option)	(option)	(option)	

Cassette (4-way)	Hide-Away	Outdoor	2 rooms	3 rooms	4 rooms
NEW  p.20~p.21	NEW  p.20~p.21		 CU-2E15CBPG A (4.4-5.0kW)  CU-2E18CBPG A (4.4-6.4kW)	 CU-3E23CBPG A (5.0-10.0kW)	 CU-4E27CBPG A (5.0-13.6kW)
			See the table on page 21 for indoor unit and outdoor unit combinations.		
	CS-ME10DD3EG				
CS-E15DB4EW	CS-E15DD3EW				
CS-E18DB4EW	CS-E18DD3EW				
(option)					

Multi Split

Wall-Mounted

Indoor	Dual Split		Triple Split
	 p.24	 p.24	 p.24
Capacity (kW) 2.0		CS-V7BKPG/CS-V12BKPG (CU-2V19BKP5G)	
3.0	CS-V9BKPG x2 (CU-2V14BKP5G)		CS-V9BKPG x3 (CU-3V20BKP5G)
	CS-V9BKPG x2 (CU-2V18BKP5G)		
Outdoor	2 rooms   CU-2V14BKP5G (3.0-3.7kW) CU-2V18BKP5G (2.7-5.4kW)	2 rooms  CU-2V19BKP5G (2.1-5.6kW)	3 rooms  CU-3V20BKP5G A (2.7-6.5kW)
Air Quality Features	APF DF	APF DF	APF DF

Battling allergens to create a healthier environment

Panasonic has recently applied its accumulated air-cleaning technologies to the successful development of the new SUPER alleru-buster filter, an air filter technology that inactivates these potentially harmful allergens.The SUPER alleru-buster filter is also compounded with materials that inactivate viruses, bacteria, and mould. The remarkable new Panasonic filter combines three effects in one — anti-allergen, anti-virus, and anti-bacteria protection — to keep your room air clean and healthful.

SUPER alleru-buster filter

What's "Allergen"?

When allergens enter the body, they cause allergy symptoms due to an antigen-antibody reaction that occurs as the body tries to combat them.

Just what is the allergy-fighting SUPER alleru-buster ?

It is a slightly acidic phenolic polymer containing a phenolic hydroxyl group that inactivates the allergens in air pollutants like dead dust mites and pollen.

For individual model features, please check the feature comparison on pages 38-39. These features are not available on all models.

NEW Air cleaning features

Inactivates harmful elements

SUPER alleru-buster filter

Anti-allergen protection

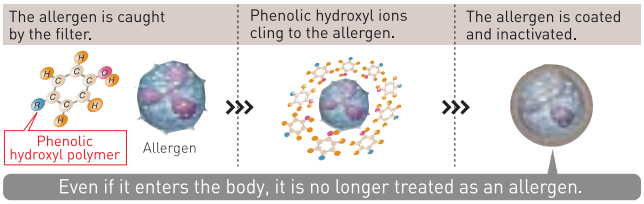
SUPER alleru-buster

Inactivates more than **99%** of all filter-captured allergens!

Target substances

Allergens:
Pollen, dead dust mites and their waste products, cat dander, mould

How allergens are inactivated



Anti-allergen material	Phenolic hydroxyl polymer

Demonstration data

Test method: Reduction of purified dust mite allergen confirmed by enzyme immunoassay.

Allergens react with an unprocessed filter, turning it yellow.

After processing with SUPER alleru-buster the allergen reaction disappears and the filter is crystal clear.

Testing agency: Osaka Municipal Technical Research Institute of Japan
(Test number: Osaka Mun. Tech. Report No. 1117),
University of Edinburgh

Anti-virus protection

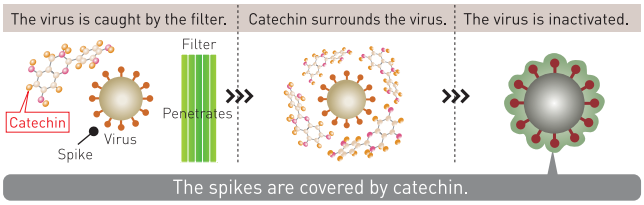
Catechin

Inactivates more than **99%** of all filter-captured viruses!

Target substances

Viruses:
Influenza, Coxsackie virus, etc.

How viruses are inactivated



Anti-virus material	Catechin: Polyphenol or tannin (the astringent element in tea) extraction

Inactivation rate as measured by a Virus Plaque Method

Testing agency: Kitasato Research Center of Environment Sciences/Development
(Test number: Kita. Bio. Dev. 15-0121)

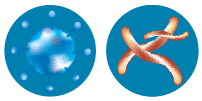
Anti-bacteria/Anti-mould protection

Bio (Bio-Elimination)

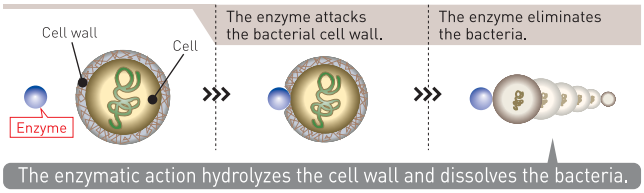
Enzymatic action eliminates more than **99%** of all filter-captured bacteria!

Target substances

Bacteria: Staphylococcus aureus
Mould: Black mould (aspergillus), green fungus



How bacteria are bio-eliminated



Anti-bacteria material	Enzyme: Contained in teardrops and albumen (egg white) Anti-mould material: Materials used in food processing

Demonstration data

Anti-bacteria Staphylococcus aureus test results using the Film Adherence Method.

Without biological action

With biological action

Antibacterial effect is observed.

Testing agency: The Japan Food Research Laboratories (Test number: 20306 1986-002)

Anti-mould Anti-mould performance test compliance

Without biological action

Left: Black mould
Right: Green fungus

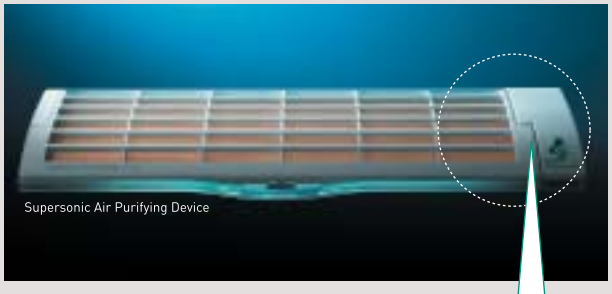
With biological action

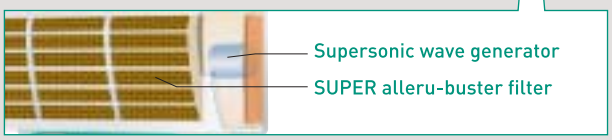
Halo effect (no mould growth)
DNA development blocked...
Mould Growth Suppressed

Testing agency: The Japan Food Research Laboratories (Test number: 20306 1986-001)

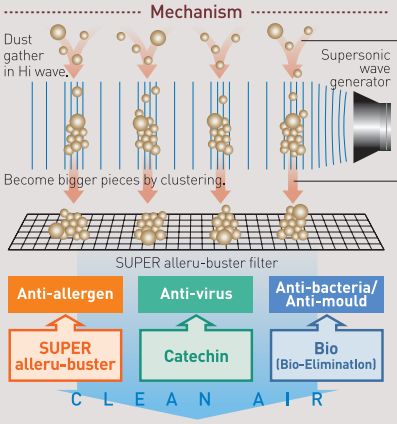
Faster dust collection + Inactivates harmful elements

Supersonic Air Purifying System with SUPER alleru-buster





Mechanism



1 Supersonic waves collect dust.
Supersonic waves create denser areas of air, attracting dust particles and clumping them together.

2 The SUPER alleru-buster filter captures the clumped particles.
Improved collection capability thanks to the increased size of contaminant clumps.

3 Triple functional materials inactivate captured harmful elements.

O_2 air

Supplies the room with oxygen-rich air

The O_2 air function refreshes people by supplying a high concentration of oxygen. It enhances comfort by balancing the oxygen levels in the room with those in nature.

Improving air quality, increasing oxygen, and inactivating allergens

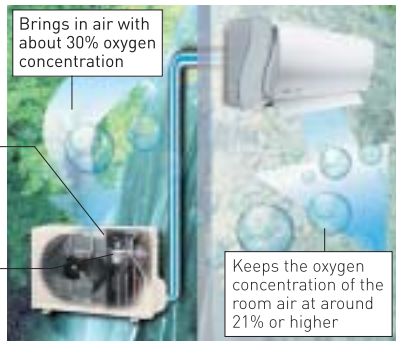
OXYGEN air-creating

O2 air

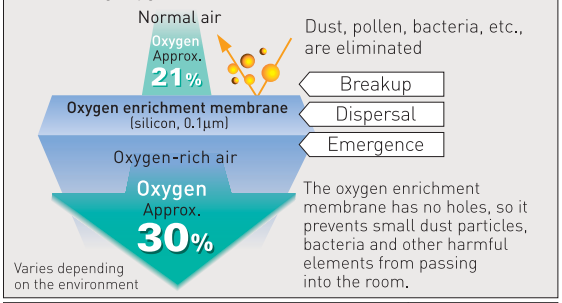
The unique oxygen enrichment membrane system takes in outside air and increases its oxygen concentration to about 30%. This keeps the room more comfortable, with an oxygen level of around 21% or higher — just like nature.

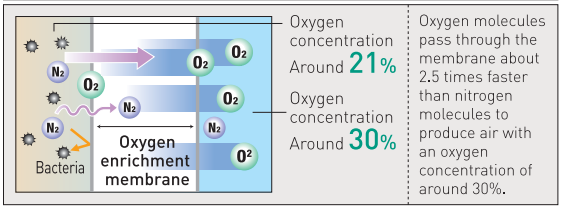
Panasonic's unique oxygen enrichment membrane system
Raises oxygen concentration to around 30%.

Oxygen supply vacuum pump
Sends concentrated oxygen to the indoor unit.



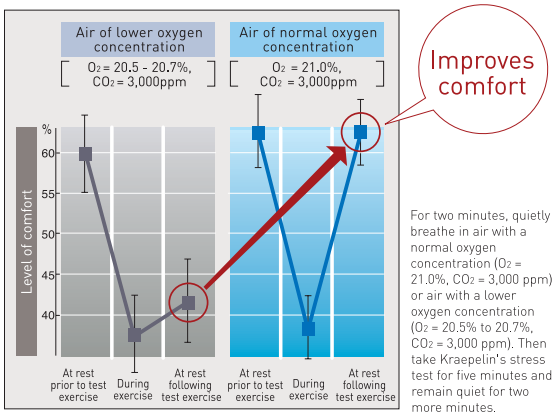
■ Producing oxygen-rich air with the membrane





Maintaining the oxygen concentration improves comfort

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



For two minutes, quietly breathe in air with a normal oxygen concentration (O_2 = 21.0%, CO_2 = 3,000 ppm) or air with a lower oxygen concentration (O_2 = 20.5% to 20.7%, CO_2 = 3,000 ppm). Then take Kraepelin's stress test for five minutes and remain quiet for two more minutes.

The calculation model based on the right frontal α-wave frequency rhythm (corresponding to a stimulating sensation) and the left frontal α-wave frequency rhythm (corresponding to pleasant and unpleasant feelings) was given the 2002 Achievement Award by the Ministry of Education, Culture, Sports, Science and Technology in Japan.

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

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

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

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

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

SUPER alleru-buster air cleaning

SUPER alleru-buster filter

The SUPER alleru-buster filter combines three effects in one—anti-allergen, anti-virus, anti-bacteria protection —to keep room air clean and healthful.

Anti-allergen protection	Inactivates more than 99% of all filter-captured allergens

Here, inactivate means to suppress normal activity. This inactivation of mite allergens has been verified by the University of Edinburgh in the UK.

Anti-virus protection	Inactivates more than 99% of all filter-captured viruses
Anti-bacteria/Anti-mould protection	Enzymatic action eliminates more than 99% of all filter-captured bacteria

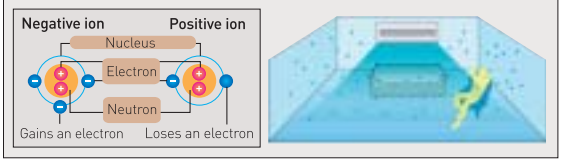
(See pages 6-7 for details.)

ION air-creating

Ion Freshener

Negative ions are generated to freshen the room. It's like being next to a waterfall or in a forest.

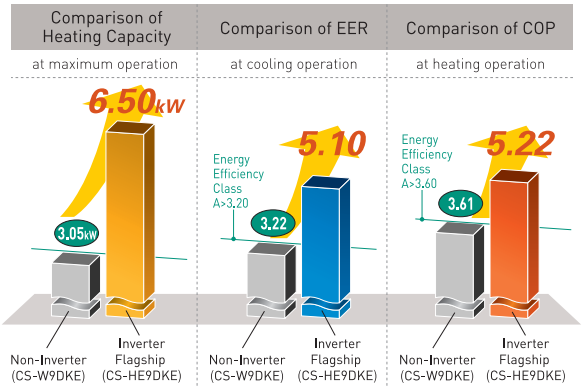
■ What are negative ions?
Negative ions are negatively charged, ultra fine particles.



Inverter air conditioners with powerful heating

Class A energy saving achieved

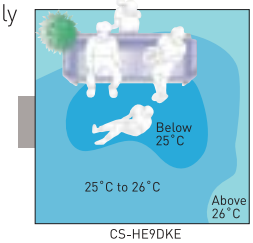
Panasonic's high-efficiency technologies clear stringent energy-saving standards. The Flagship models have attained the highest Energy-Efficiency Classification, Class A, which places them in the industry's top class of energy savers. This means you can use these models everyday, without having to worry about the electric bill.



Quick, powerful cooling

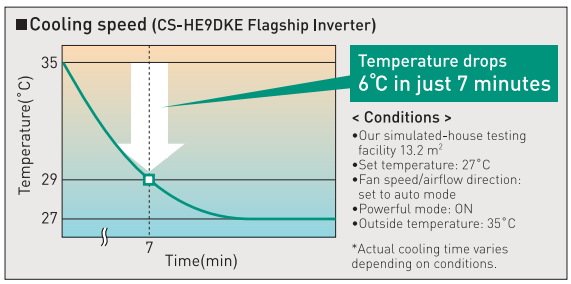
Cool air is distributed uniformly throughout the room, so you enjoy virtually the same comfortable temperature from corner to corner.

< Conditions >
- Cooling •Outside temperature: 35°C
- Set temperature: 27°C •15 cm above floor
- View from the top



CS-HE9DKE

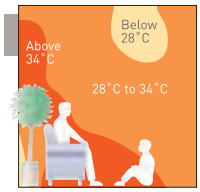
Cools room quickly after you come home on a hot summer day



Quick, powerful heating — even when it's -10°C outside

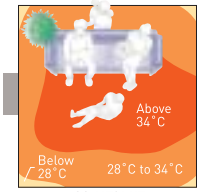
Featuring high heating capacity and efficient airflow control, this unit directs a stream of warm air down toward your feet. This helps the room heat up quickly from corner to corner, even when it's as cold as -10°C outside. The inverter control operates the unit at maximum after startup, then switches to energy-saving operation once a comfortable temperature is reached.

Warms your feet



CS-HE9DKE

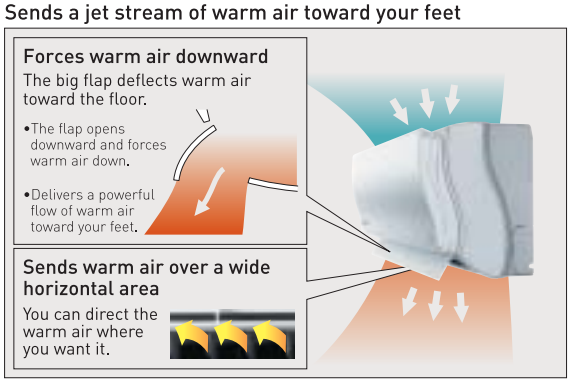
Warm air reaches every corner



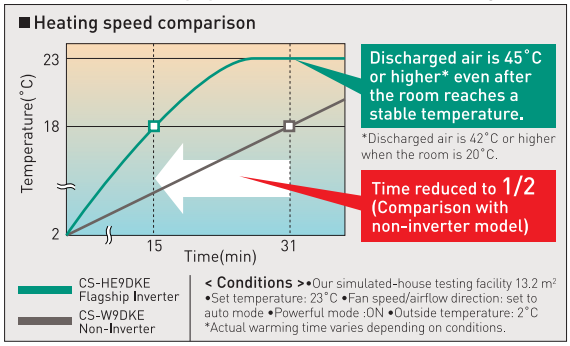
CS-HE9DKE

< Conditions >
- Powerful mode :ON
- Outside temperature: -10°C
- Set temperature: 30°C
- Fan speed/airflow direction: set to auto mode

Sends a jet stream of warm air toward your feet



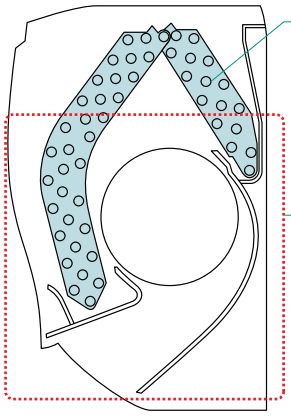
The room warms up quickly, even on chilly mornings



and high efficiency

Efficiency-enhancing technologies

Indoor unit



New-hybrid heat exchanger

The fin shape and copper tube diameter are optimized according to airflow and refrigerant flow.

High-performance wind circuit

The new casing provides a smoother airflow.

Drive flat panel

Airflow form

The elegant design reflects naturally flowing air.

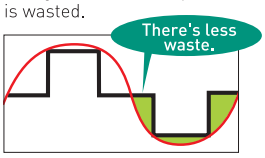
Outdoor unit

DC Inverter (Hyper Wave Inverter)

Original Panasonic inverter circuit technology provides detailed motor current control. A comfortable room temperature is maintained with less energy, vibration, and noise.

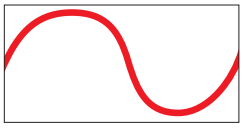
Our conventional inverter

The current waveform deviates from the motor voltage waveform, so power is wasted.



Hyper Wave Inverter

The current waveform closely matches the motor voltage waveform, so power consumption is reduced.

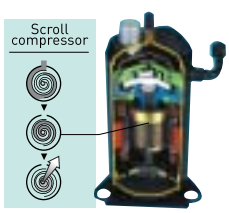


e-scroll compressor

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

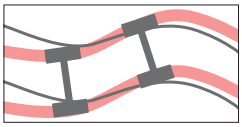
Compact size, light weight:
New DC motor with rare-earth magnet and no accumulator.

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

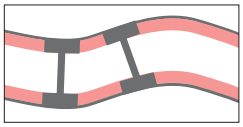


Compare this to a car rounding a corner

Power is wasted when the car swings off course.



When the car stays right on course, there's no power loss.



super slim

The super-slim design complements modern interiors

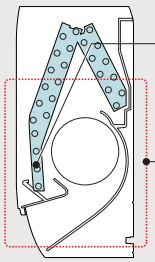
The compact, super-slim body is accented by the silver-grey lustre of its chrome plated flat panel. This modern, yet simple design adds to the beauty of any room.

Energy-saving efficiency in a compact design

Slim & compact size

We used a number of unique technologies to downsize each and every component. Only 139 mm deep, these high-efficiency models are about 30% slimmer than previous models, to save space and enhance room interiors.

■ Slimming, Energy-Saving Technologies



Indoor unit

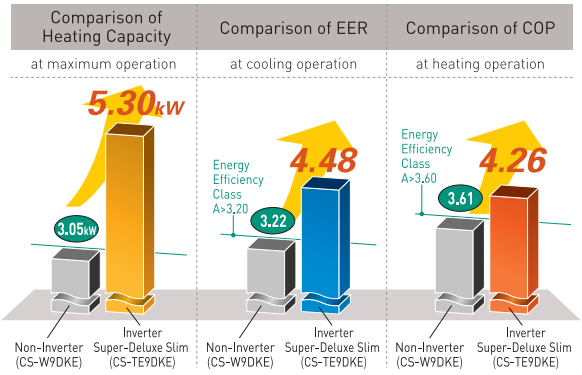
- **New-shape heat exchanger**
  The optimized copper tube arrangement and the new triple-bend design combine to slim down body dimensions and raise energy efficiency.
- **High-performance wind circuit**
  The new casing provides a smoother air flow.

Outdoor unit

- **DC Inverter (Hyper Wave Inverter)**
- **e-scroll compressor**

Powerful heating and top-class energy efficiency

Despite their compact size, our Super-Deluxe Slim models offer both high capacity and a class-leading energy-saving performance that far exceeds requirements for Class A, the highest Energy-Efficiency Classification. These models prove that it's possible to achieve both compact size and energy-saving performance.



air cleaning

SUPER alleru-buster filter

The SUPER alleru-buster filter combines three effects in one—anti-allergen, anti-virus, anti-bacteria protection —to keep room air clean and healthful.

Anti-allergen protection	Inactivates more than **99%** of all filter-captured allergens

Here, inactivate means to suppress normal activity. This inactivation of mite allergens has been verified by the University of Edinburgh in the UK.

Anti-virus protection	Inactivates more than **99%** of all filter-captured viruses
Anti-bacteria/Anti-mould protection	Enzymatic action eliminates more than **99%** of all filter-captured bacteria

(See pages 6-7 for details.)

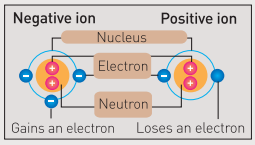
air-creating

Ion Freshener

Negative ions are generated to freshen the room. It's like being next to a waterfall or in a forest.

■ What are negative ions?

Negative ions are negatively charged, ultra fine particles.



supersonic

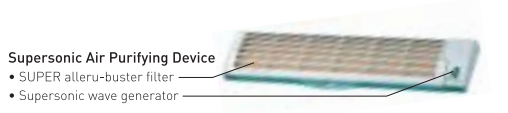
Powerfully collects allergens from the room's air

A Supersonic Air Purifying System accelerates the air cleaning effect of the SUPER alleru-buster filter. It keeps room air cleaner, to protect the family's health.

Cleaner air with supersonic waves and SUPER alleru-buster

air cleaning

Supersonic Air Purifying System with SUPER alleru-buster



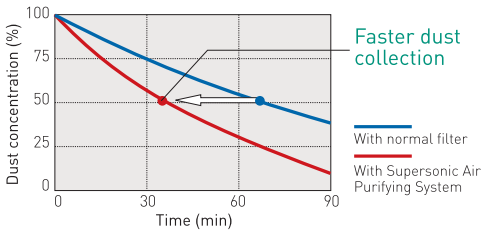
SUPER SONIC — Faster dust collection
Supersonic Air Purifying System

\+

SUPER alleru-buster — Inactivates harmful elements
SUPER alleru-buster filter

The Supersonic Air Purifying System incorporated in the indoor unit generates supersonic waves. The system works in combination with the filter to collects dust and dirt in the air for faster, more efficient air purification.

■**Changes in dust concentration**



The SUPER alleru-buster filter combines three effects in one—anti-allergen, anti-virus, anti-bacteria protection —to keep room air clean and healthful.

Anti-allergen protection	Inactivates more than **99%** of all filter-captured allergens

Here, inactivate means to suppress normal activity. This inactivation of mite allergens has been verified by the University of Edinburgh in the UK.

Anti-virus protection	Inactivates more than **99%** of all filter-captured viruses
Anti-bacteria/Anti-mould protection	Enzymatic action eliminates more than **99%** of all filter-captured bacteria

(See pages 6-7 for details.)

ION air-creating

Ion Freshener

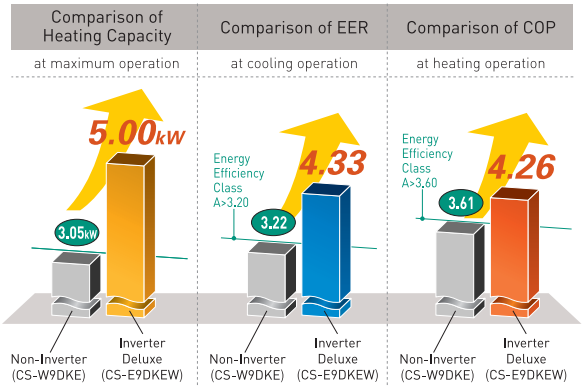
Around 20,000 negative ions/cc are generated to freshen the room. It's like being next to a waterfall or in a forest.

Super quiet

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

*1 CS-E9DKEW: In cooling mode with low fan speed
*2 CU-E9DKE: In cooling mode

Powerful heating & top-class energy efficiency



Round form

The white body and sleek design have a pleasant, hygienic appearance.

Wall-Mounted

Flagship

With Bilingual Sticker

CU-HE9DKE/HE12DKE

Heat Pump

Model No	CS-HE9DKE	CS-HE12DKE
Capacity(kW)	2.60(0.60~3.00)/3.60(0.60~6.50)	3.50(0.60~4.00)/4.80(0.60~7.70)
EER/COP(W/W)	5.10 A /5.22 A	4.12 A /4.62 A

CS-HE9DKE

Super-Deluxe

With Bilingual Sticker

CU-XE9DKE/XE12DKE

Heat Pump

Model No	CS-XE9DKE	CS-XE12DKE
Capacity(kW)	2.60(0.60~3.00)/3.60(0.60~5.00)	3.45 (0.60~4.00)/4.80(0.60~6.50)
EER/COP(W/W)	3.71 A /4.00 A	3.63 A /3.81 A

CS-XE9DKE

Super-Deluxe Slim

With Bilingual Sticker

CU-TE9DKE/TE12DKE

Heat Pump

Model No	CS-TE9DKE	CS-TE12DKE
Capacity(kW)	2.60(0.60~3.00)/3.60(0.60~5.30)	3.50(0.60~4.00)/4.80(0.60~6.50)
EER/COP(W/W)	4.48 A /4.26 A	3.89 A /3.64 A

CS-TE9DKE

Feature Comparison >> p.38~p.39 Specifications >> p.25

26dB 26dB Super Quiet in cooling mode with low fan speed

Deluxe

NEW

With Bilingual Sticker

CU-E9DKE/ E12DKE

CU-E15DKE

Heat Pump

Model No	CS-E9DKEW	CS-E12DKEW	CS-E15DKEW
Capacity(kW)	2.60(0.80~3.00)/3.60(0.80~5.00)	3.50(0.80~4.00)/4.80(0.80~6.50)	4.40(0.90~5.00)/5.50(0.90~7.10)
EER/COP(W/W)	4.33 A /4.26 A	3.63 A /3.81 A	3.21 A /3.50

SUPER SONIC | SUPER allergy-buster | ION | 26dB (CS-E9DKEW) | R410A

Deluxe-Wide

NEW

With Bilingual Sticker

CU-E18DKE/E21DKE/ E24DKE

Heat Pump

Model No	CS-E18DKEW	CS-E21DKES	CS-E24DKE
Capacity(kW)	5.30(0.90~6.00)/6.60(0.90~8.00)	6.30(0.90~7.10)/7.20(0.90~8.50)	6.80(0.90~8.10)/8.60(0.80~9.90)
EER/COP(W/W)	3.21 A /3.69 A	2.85/3.43	2.82/3.17

SUPER SONIC | SUPER allergy-buster | ION | R410A

Standard

NEW

Air Quality Indicator

With Bilingual Sticker

CU-PE9DKE/PE12DKE

Heat Pump

Model No	CS-PE9DKE	CS-PE12DKE
Capacity(kW)	2.50(0.90~3.00)/3.30(0.90~4.00)	3.15(0.90~3.80)/4.10(0.90~5.00)
EER/COP(W/W)	3.42 A /4.02 A	3.46 A /3.69 A

SUPER allergy-buster (option) | Air Quality Indicator | R410A

Feature Comparison >> p.38~p.39 Specifications >> p.25~p.26

26dB 26dB Super Quiet in cooling mode with low fan speed

Floor or Ceiling

Heat Pump

Model No	CS-E15DTEW	CS-E18DTEW	CS-E21DTES
Capacity(kW)	4.15(0.90~4.55)/5.17(0.90~6.30)	5.00(0.90~5.40)/6.10(0.90~7.60)	5.80(0.90~6.60)/6.80(0.90~8.10)
EER/COP(W/W)	3.22 A /3.34	3.01/3.35	3.01/3.42

SUPER alleru-buster (option)

R410A

Cassette (4-way)

Heat Pump

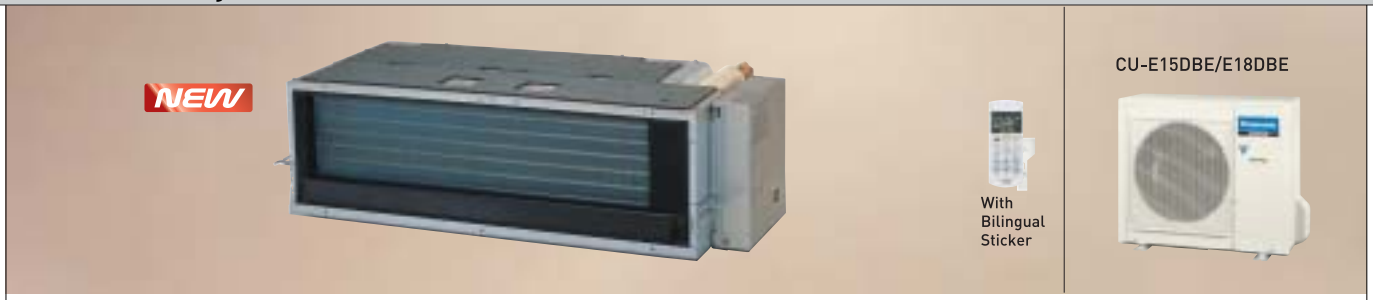
Model No	CS-E15DB4EW	CS-E18DB4EW	CS-E21DB4ES
Capacity(kW)	4.10(0.90~4.80)/5.10(0.90~6.20)	4.80(0.90~5.70)/5.60(0.90~7.10)	5.90(0.90~6.30)/7.00(0.90~8.00)
EER/COP(W/W)	3.15/2.88	3.14/2.95	2.88/2.86

SUPER alleru-buster (option)

26dB CS-E15DB4EW

R410A

Hide-Away



Heat Pump

Model No	CS-E15DD3EW	CS-E18DD3EW
Capacity(kW)	4.10(0.90~4.70)/4.80(0.90~5.50)	5.10(0.90~5.70)/6.10(0.90~7.10)
EER/COP(W/W)	3.31 A /2.64	3.15/3.30

R410A

Feature Comparison >> p.38~p.39 Specifications >> p.26

26dB 26dB Super Quiet in cooling mode with low fan speed

Advanced Inverter Performance

The Difference in power and comfort

Quick comfort

As soon as the an inverter air conditioner 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.

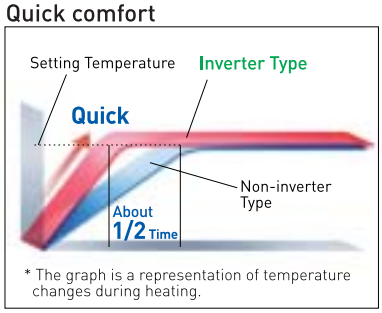
Energy saving

For optimum use of limited energy resources, an inverter air conditioner 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

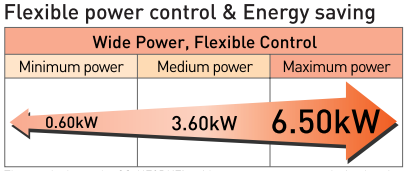
You're always comfortable with an inverter air conditioner. After quickly reaching the set temperature, it finely adjusts output power to maintain a constant temperature. So there are no uncomfortable temperature swings, while electricity is used more efficiently. Broad output power capability also assures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

Quick comfort

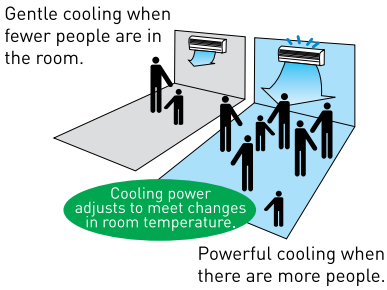


* The graph is a representation of temperature changes during heating.

Flexible power control & Energy saving

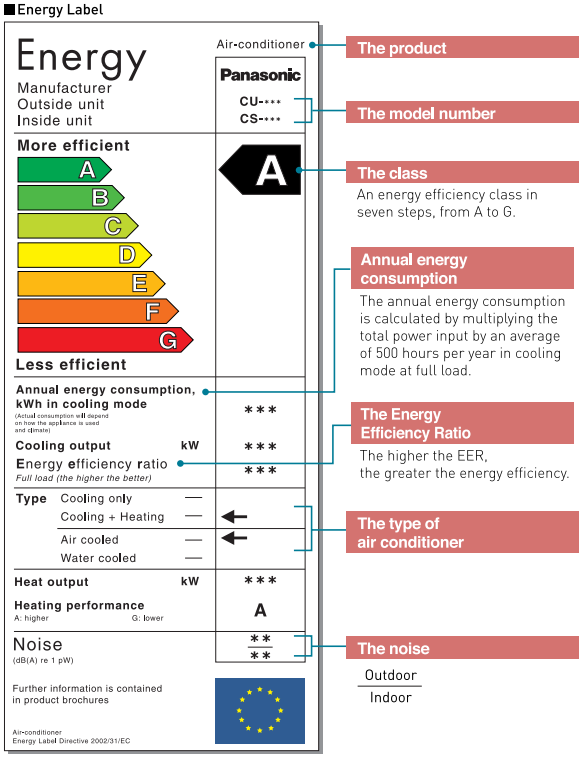


The graph shows the CS-HE9DKE's wide power output range during heating.



Energy-Efficiency Classifications

■Energy 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		Energy efficiency class of the unit in HEATING mode	
A	3.20 < EER	A	3.60 < COP
B	3.20 ≥ EER > 3.00	B	3.60 ≥ COP > 3.40
C	3.00 ≥ EER > 2.80	C	3.40 ≥ COP > 3.20
D	2.80 ≥ EER > 2.60	D	3.20 ≥ COP > 2.80
E	2.60 ≥ EER > 2.40	E	2.80 ≥ COP > 2.60
F	2.40 ≥ EER > 2.20	F	2.60 ≥ COP > 2.40
G	2.20 ≥ EER	G	2.40 ≥ COP

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

Indoor Unit

Wall-Mounted

Deluxe

NEW

With Bilingual Sticker

Heat Pump

Model No	CS-ME7DKEG	CS-E9DKEW	CS-E12DKEW★	CS-E15DKEW★
Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class

SUPER SONIC | SUPER allerU-buster | ION | R410A

Deluxe-Wide

NEW

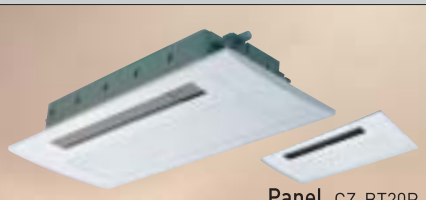
With Bilingual Sticker

Heat Pump

Model No	CS-E18DKEW★
Capacity	5.0kW class

SUPER SONIC | SUPER allerU-buster | ION | R410A

Cassette (1-way)



Panel CZ-BT20P

With Bilingual Sticker

Heat Pump

Model No	CS-ME7CB1P	CS-ME10CB1P	CS-ME12CB1P	CS-ME14CB1P
Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class

R410A

Cassette (4-way)

NEW

Panel CZ-BT20E

With Bilingual Sticker

Heat Pump

Model No	CS-E15DB4EW★	CS-E18DB4EW★
Capacity	4.0kW class	5.0kW class

SUPER allerU-buster (option) | 26dB CS-E15DB4EW | R410A

Floor or Ceiling

NEW

With Bilingual Sticker

Heat Pump

Model No	CS-ME10DTEG	CS-E15DTEW★	CS-E18DTEW★
Capacity	2.8kW class	4.0kW class	5.0kW class

SUPER allerU-buster (option) | R410A

Hide-Away

NEW

With Bilingual Sticker

Heat Pump

Model No	CS-ME10DD3EG	CS-E15DD3EW★	CS-E18DD3EW★
Capacity	2.8kW class	4.0kW class	5.0kW class

R410A

Outdoor Unit

2 rooms

CU-2E15CBPG

CU-2E18CBPG

3 rooms

CU-3E23CBPG

4 rooms

CU-4E27CBPG

Additional Parts

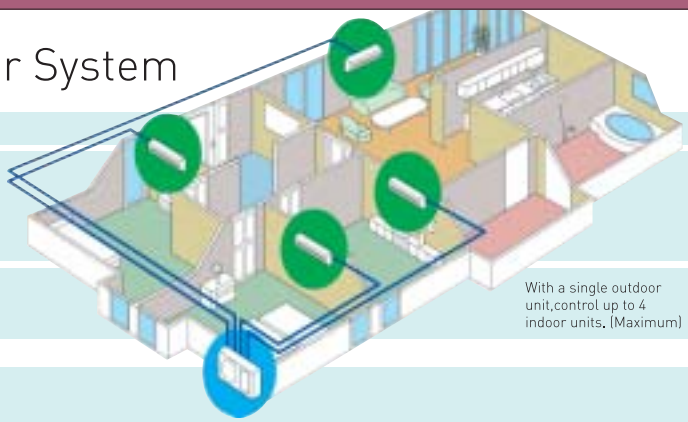
Pipe Size Reducer

CZ-MA1P

For the indoor units marked with a star (★), the pipe size reducer must be used.

Feature Comparison ›› p.38~p.39 Specifications ›› p.29~p.33

Advantages of the Multi Inverter System



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

Indoor unit

A variety of indoor units

Air-quality features (Wall-mounted type only)

- Supersonic Air Purifying System
- SUPER alleru-buster filter
- Ion Freshener

Adjust the operation settings for each indoor unit independently

Outdoor unit

Quiet-operating 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-V7DKE single split-type units operating simultaneously.

Space-saving

65% less space than four single split types.

Single Split Type CU-V7DKE

BIG SPACE SAVINGS!

CU-4E27CBPG

Inverter control

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

Combination Patterns

Models	:ndoor Units: Possible Combination Patterns (Must be within capacity range.)	Capacity Range	Refrigerant Pipe Diameter			Pipe Extension					Indoor Unit Combinations					
			:ndoor Unit	Liquid Side	Gas Side	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height	Type / Capacity (kW class)	Wall-Mounted	Cassette (1-way)	Cassette (4-way)	Floor or Ceiling	Hide-Away
2 rooms	CU-2E15CBPG	PORT A 2.2 or 2.8 * Either unit PORT B 2.2 or 2.8 * Either unit * At least two indoor units must be connected.	4.4 : 5.0 kW Make sure to keep combi-nations within this range.	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	2.2	●				
				Room B	ø 6.35	ø 9.52						2.8	●			●	●
	CU-2E18CBPG	PORT A 2.2 or 2.8 or 3.2 * Either unit PORT B 2.2 or 2.8 or 3.2 * Either unit * At least two indoor units must be connected.	4.4 : 6.4 kW Make sure to keep combi-nations within this range.	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	2.2	●				
				Room B	ø 6.35	ø 9.52						2.8	●			●	●
												3.2	●				
3 rooms	CU-3E23CBPG	PORT A 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT B 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT C 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit * At least two indoor units must be connected.	5.0 : 10.0 kW Make sure to keep combi-nations within this range.	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.2	●	●			
				Room B	ø 6.35	ø 9.52						2.8	●	●		●	●
				Room C	ø 6.35	ø 9.52						3.2	●	●			
												4.0	●	●	●	●	●
												5.0	●		●	●	●
4 rooms	CU-4E27CBPG	PORT A 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT B 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT C 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT D 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit * At least two indoor units must be connected.	5.0 : 13.6 kW Make sure to keep combi-nations within this range.	Room A	ø 6.35	ø 9.52	25 m	70 m	40 m	20 g/m	15 m	2.2	●	●			
				Room B	ø 6.35	ø 9.52						2.8	●	●		●	●
				Room C	ø 6.35	ø 9.52						3.2	●	●			
				Room D	ø 6.35	ø 9.52						4.0	●	●	●	●	●
												5.0	●		●	●	●

Wall-Mounted

Deluxe

With Bilingual Sticker

CU-W7DKE/ W9DKE/V7DKE

CU-W12DKE/ V9DKE/V12DKE

	Heat Pump			Cooling		
Model No	CS-W7DKE	CS-W9DKE	CS-W12DKE	CS-V7DKE	CS-V9DKE	CS-V12DKE
Capacity(kW)	2.30/2.45	2.75/3.05	3.60/3.90	2.40	3.00	3.68
EER/COP(W/W)	3.24 A /3.63 A	3.22 A /3.61 A	3.21 A /3.61 A	3.24 A	3.21 A	3.23 A

SUPER SONIC | SUPER allerbuster | ION | 26dB (CS-W7DKE/W9DKE/ V7DKE/V9DKE) | R410A

Deluxe-Wide

With Bilingual Sticker

CU-W18DKE/W24DKE/ V18DKE/V24DKE

	Heat Pump		Cooling	
Model No	CS-W18DKE	CS-W24DKE	CS-V18DKE	CS-V24DKE
Capacity(kW)	5.30/5.42	7.03/7.50	5.30	7.03
EER/COP(W/W)	3.21 A /3.27	2.53/2.87	3.25 A	2.70

SUPER SONIC | SUPER allerbuster | ION | R410A

With Bilingual Sticker

CU- W28BKP5/V28BKP5

	Heat Pump	Cooling
Model No	CS-W28BKP5	CS-V28BKP5
Capacity(kW)	7.90/9.20	7.90
EER/COP(W/W)	2.65/2.63	2.65

Catechin Filter | R407C

Feature Comparison >> p.38~p.39 Specifications >> p.27~p.28

26dB 26dB Super Quiet in cooling mode with low fan speed

Standard

With Bilingual Sticker

CU-PW9DKE/PW12DKE/
PV9DKE/PV12DKE

	Heat Pump		Cooling	
Model No	CS-PW9DKE	CS-PW12DKE	CS-PV9DKE	CS-PV12DKE
Capacity(kW)	2.65/2.85	3.40/3.80	2.65	3.52
EER/COP(W/W)	3.21 A /3.80 A	3.21 A /3.80 A	3.23 A	3.20

Super alleru-buster (option)

Air Quality Indicator

R410A

Standard-Wide

With Bilingual Sticker

CU-PW18DKE

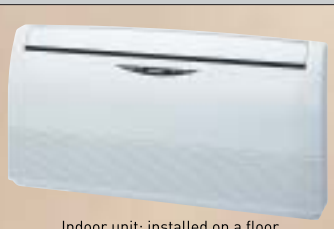
	Heat Pump
Model No	CS-PW18DKE
Capacity(kW)	5.10/5.30
EER/COP(W/W)	2.91/3.35

Super alleru-buster (option)

R410A

Floor or Ceiling

Indoor unit: installed in a ceiling



Indoor unit: installed on a floor

With Bilingual Sticker

CU-W12CTP5/
V12CTP5

CU-W18CTP5/
W24CTP5/
V18CTP5/
V24CTP5

	Heat Pump			Cooling		
Model No	CS-W12CTP	CS-W18CTP	CS-W24CTP	CS-V12CTP	CS-V18CTP	CS-V24CTP
Capacity(kW)	3.60/3.95	5.20/5.80	6.90/7.65	3.52	5.30	7.03
EER/COP(W/W)	3.13/3.35	3.07/3.33	2.51/2.65	3.20	3.17	2.58

Luminous

R410A

Feature Comparison >> p.38~p.39 Specifications >> p.27~p.28

Wall-Mounted

Dual Split

2 rooms

With Bilingual Sticker

CU-2V14BKP5G

CU-2V18BKP5G

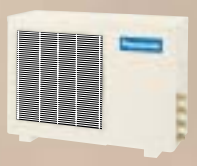
Cooling

Model No	CS-V9BKPGx2 (CU-2V14BKP5G) 1-Compressor Dual Split Type		CS-V9BKPGx2 (CU-2V18BKP5G) 2-Compressor Dual Split Type	
Capacity(kW)	3.00 One-Unit Operation	3.70 Two-Unit Operation	2.73 One-Unit Operation	5.46 Two-Unit Operation
EER(W/W)	2.54 One-Unit Operation	2.98 Two-Unit Operation	3.17 One-Unit Operation	3.17 Two-Unit Operation

Catechin Filter | Luminous | 26dB | R410A

2 rooms (Different Capacities)

With Bilingual Sticker



CU-2V19BKP5G

Cooling

Model No	CS-V7BKPG / CS-V12BKPG (CU-2V19BKP5G) 2-Compressor Dual Split Type		
Capacity(kW)	2.10 One-Unit Operation (CS-V7BKPG)	3.55 One-Unit Operation (CS-V12BKPG)	5.65 Two-Unit Operation (CS-V7BKPG+CS-V12BKPG)
EER(W/W)	2.92 One-Unit Operation (CS-V7BKPG)	2.89 One-Unit Operation (CS-V12BKPG)	3.05 Two-Unit Operation (CS-V7BKPG+CS-V12BKPG)

Catechin Filter | Luminous | 26dB | R410A

CS-V7BKPG

Triple Split

3 rooms

With Bilingual Sticker

CU-3V20BKP5G

Cooling

Model No	CS-V9BKPGx3 (CU-3V20BKP5G) 2-Compressor Triple Split Type				
Capacity(kW)	2.73 One-Unit Operation (B)	2.95 One-Unit Operation (A1 or A2)	5.68 Two-Unit Operation (B + A1 or A2)	3.82 Two-Unit Operation (A1 + A2)	6.55 Three-Unit Operation (B + A1 + A2)
EER(W/W)	3.00 One-Unit Operation (B)	2.63 One-Unit Operation (A1 or A2)	2.93 Two-Unit Operation (B + A1 or A2)	3.18 Two-Unit Operation (A1 + A2)	3.29 Three-Unit Operation (B + A1 + A2) A

Catechin Filter | Luminous | 26dB | R410A

Feature Comparison >> p.38~p.39 Specifications >> p.34~p.35

26dB 26dB Super Quiet in cooling mode with low fan speed

Specifications

Single Inverter Split R410A

Cooling
Heating

Model	(50Hz)	CS-HE9DKE (CU-HE9DKE)	CS-HE12DKE (CU-HE12DKE)	CS-XE9DKE (CU-XE9DKE)	CS-XE12DKE (CU-XE12DKE)	CS-TE9DKE (CU-TE9DKE)	CS-TE12DKE (CU-TE12DKE)	CS-E9DKEW (CU-E9DKE)	CS-E12DKEW (CU-E12DKE)	CS-E15DKEW (CU-E15DKE)	CS-E18DKEW (CU-E18DKE)	CS-E21DKES (CU-E21DKE)	CS-E24DKE (CU-E24DKE)
Cooling Capacity	kW	2.60 (0.60 - 3.00)	3.50 (0.60 - 4.00)	2.60 (0.60 - 3.00)	3.45 (0.60 - 4.00)	2.60 (0.60 - 3.00)	3.50 (0.60 - 4.00)	2.60 (0.80 - 3.00)	3.50 (0.80 - 4.00)	4.40 (0.90 - 5.00)	5.30 (0.90 - 6.00)	6.30 (0.90 - 7.10)	6.80 (0.90- 8.10)
	kcal/h	2,240 (520 - 2,580)	3,010 (520 - 3,440)	2,240 (520 - 2,580)	2,970 (520 - 3,440)	2,240 (520 - 2,580)	3,010 (520 - 3,440)	2,240 (690 - 2,580)	3,010 (690 - 3,440)	3,780 (770 - 4,300)	4,560 (770 - 5,160)	5,420 (770 - 6,110)	5,850 (770 - 6,970)
EER	W/W	5.10	4.12	3.71	3.63	4.48	3.89	4.33	3.63	3.21	3.21	2.85	2.82
Heating Capacity	kW	3.60 (0.60 - 6.50)	4.80 (0.60 - 7.70)	3.60 (0.60 - 5.00)	4.80 (0.60 - 6.50)	3.60 (0.60 - 5.30)	4.80 (0.60 - 6.50)	3.60 (0.80 - 5.00)	4.80 (0.80 - 6.50)	5.50 (0.90 - 7.10)	6.60 (0.90 - 8.00)	7.20 (0.90 - 8.50)	8.60 (0.80 - 9.90)
	kcal/h	3,100 (520 - 5,590)	4,130 (520 - 6,620)	3,100 (520 - 4,300)	4,130 (520 - 5,590)	3,100 (520 - 4,560)	4,130 (520 - 5,590)	3,100 (690 - 4,300)	4,130 (690 - 5,590)	4,730 (770 - 6,110)	5,680 (770 - 6,880)	6,190 (770 - 7,310)	7,400 (690 - 8,510)
COP	W/W	5.22	4.62	4.00	3.81	4.26	3.64	4.26	3.81	3.50	3.69	3.43	3.17
Electrical Data Voltage	V	230	230	230	230	230	230	230	230	230	230	230	230
Running Current	A	2.6 3.5	4.2 5.0	3.3 4.0	4.4 5.6	2.7 3.9	4.2 6.2	2.9 4.0	4.5 5.8	6.3 7.1	7.5 8.1	9.9 9.3	10.9 12.2
Power Input	W	510 (120 - 700) 690 (115 - 1,720)	850 (120 - 1,050) 1,040 (115 - 2,280)	700 (115 - 880) 900 (110 - 1,400)	950 (120 - 1,280) 1,260 (115 - 1,890)	580 (120 - 720) 845 (115 - 1,360)	900 (120 - 1,160) 1,320 (115 - 1,880)	600 (175 - 780) 845 (165 - 1,360)	965 (185 - 1,200) 1,260 (175 - 1,890)	1,370 (215 - 1,600) 1,570 (245 - 2,250)	1,650 (215 - 2,050) 1,790 (245 - 2,650)	2,210 (215 - 2,540) 2,100 (245 - 2,750)	2,410 (380 - 2,990) 2,710 (350 - 3,250)
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	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
Noise: Outdoor (Hi)	dB(A)	46 47	48 50	46 47	48 50	46 47	48 50	46 47	48 50	46 46	47 47	48 49	52 52
Noise: Sound Power Level* Indoor (Hi)	dB	50 51	53 53	50 51	53 53	50 51	53 53	50 51	53 53	54 54	57 57	58 58	60 60
Noise: Outdoor (Hi)	dB	59 60	61 63	59 60	61 63	59 60	61 63	59 60	61 63	59 59	60 60	61 62	66 66
Moisture Removal	L/h	1.5	2.0	1.6	2.0	1.5	2.0	1.6	2.0	2.4	2.9	3.5	3.9
Air Circulation (Indoor/Hi)	m^3/min	10.5 11.5	11.3 12.5	9.9 10.6	10.9 11.8	9.2 10.5	9.9 10.9	9.6 10.5	10.7 11.2	11.0 11.8	15.2 16.7	16.2 17.3	16.9 18.3
Dimensions Indoor (Outdoor) Height	mm	298 (540)	298 (540)	275 (540)	275 (540)	298 (540)	298 (540)	280 (540)	280 (540)	280 (750)	275 (750)	275 (750)	275 (750)
Width	mm	870 (780)	870 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (875)	998 (875)	998 (875)	998 (875)
Depth	mm	199 (289)	199 (289)	236 (289)	236 (289)	139 (289)	139 (289)	183 (289)	183 (289)	183 (345)	230 (345)	230 (345)	230 (345)
Net Weight Indoor (Outdoor)	kg	11 (36)	11 (37)	10 (38)	10 (40)	8 (33)	8 (34)	9 (37)	9 (37)	9 (48)	11 (49.0)	11.0 (51.0)	12.0 (63.5)
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"	6.35 1/4"
Gas Side	mm inch	9.52 3/8"	12.70 1/2"	9.52 3/8"	12.70 1/2"	9.52 3/8"	12.70 1/2"	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	15.88 5/8"
Pipe Extension Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length**	m	15	15	15	15	15	15	15	15	15	20	20	30
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Indoor
Energy Saving Classification: Cooling Class		A	A	A	A	A	A	A	A	A	A	C	C
Energy Saving Classification: Annual Energy Consumption	kW	255	425	350	475	290	450	300	485	685	825	1,105	1,205
Energy Saving Classification: Heating Class		A	A	A	A	A	A	A	A	B	A	B	D

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 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.

Specifications

Single Inverter Split R410A

Cooling
Heating

Model	(50Hz)	CS-PE9DKE (CU-PE9DKE)	CS-PE12DKE (CU-PE12DKE)	CS-E15DTEW (CU-E15DBE)	CS-E18DTEW (CU-E18DBE)	CS-E21DTES (CU-E21DBE)	CS-E15DB4EW (CU-E15DBE)	CS-E18DB4EW (CU-E18DBE)	CS-E21DB4ES (CU-E21DBE)	CS-E15DD3EW (CU-E15DBE)	CS-E18DD3EW (CU-E18DBE)
Cooling Capacity	kW	2.50 (0.90 - 3.00)	3.15 (0.90 - 3.80)	4.15 (0.90 - 4.55)	5.00 (0.90 - 5.40)	5.80 (0.90 - 6.60)	4.10 (0.90 - 4.80)	4.80 (0.90 - 5.70)	5.90 (0.90 - 6.30)	4.10 (0.90 - 4.70)	5.10 (0.90 - 5.70)
	kcal/h	2,150 (770 - 2,580)	2,710 (770 - 3,270)	3,570 (770 - 3,910)	4,300 (770 - 4,640)	4,990 (770 - 5,680)	3,530 (770 - 4,130)	4,130 (770 - 4,900)	5,070 (770 - 5,420)	3,530 (770 - 4,040)	4,390 (770 - 4,900)
EER	W/W	3.42	3.46	3.22	3.01	3.01	3.15	3.14	2.88	3.31	3.15
Heating Capacity	kW	3.30 (0.90 - 4.00)	4.10 (0.90 - 5.00)	5.17 (0.90 - 6.30)	6.10 (0.90 - 7.60)	6.80 (0.90 - 8.10)	5.10 (0.90 - 6.20)	5.60 (0.90 - 7.10)	7.00 (0.90 - 8.00)	4.80 (0.90 - 5.50)	6.10 (0.90 - 7.10)
	kcal/h	2,840 (770 - 3,440)	3,530 (770 - 4,300)	4,450 (770 - 5,420)	5,250 (770 - 6,540)	5,850 (770 - 6,970)	4,390 (770 - 5,330)	4,820 (770 - 6,110)	6,020 (770 - 6,880)	4,130 (770 - 4,730)	5,250 (770 - 6,110)
COP	W/W	4.02	3.69	3.34	3.35	3.42	2.88	2.95	2.86	2.64	3.30
Electrical Data Voltage	V	230	230	230	230	230	230	230	230	230	230
Running Current	A	3.4 3.7	4.2 4.9	6.0 7.1	7.5 8.2	8.7 9.0	6.0 8.0	7.0 8.5	9.2 10.9	5.7 8.2	7.3 8.3
Power Input	W	730 (190 - 1,000) 820 (170 - 1,110)	910 (190 - 1,270) 1,110 (170 - 1,400)	1,290 (255 - 1,550) 1,550 (260 - 2,050)	1,660 (255 - 1,890) 1,820 (260 - 2,380)	1,930 (255 - 2,240) 1,990 (260 - 2,650)	1,300 (255 - 1,710) 1,770 (260 - 2,180)	1,530 (255 - 1,930) 1,900 (260 - 2,450)	2,050 (255 - 2,200) 2,450 (260 - 2,820)	1,240 (255 - 1,500) 1,820 (260 - 2,090)	1,620 (255 - 1,840) 1,850 (260 - 2,200)
Noise: Sound Pressure Level Indoor (Hi/Lo)	dB(A)	42/27 42/27	42/30 42/33	45/37 45/33	46/39 47/35	47/41 47/37	34/26 35/28	36/28 37/29	41/33 42/34	33/27 35/28	41/30 41/32
Outdoor (Hi)	dB(A)	46 47	48 50	46 47	47 48	48 49	45 47	47 48	49 49	46 47	47 48
Sound Power Level* Indoor (Hi)	dB	53 53	53 53	58 58	59 60	60 60	47 48	49 50	54 55	49 51	57 57
Outdoor (Hi)	dB	59 60	61 63	59 60	60 61	61 62	58 60	60 61	62 62	59 60	60 61
Moisture Removal	L/h	1.4	1.8	2.4	2.8	3.2	2.3	2.6	3.3	2.3	2.8
External Static Pressure	Pa (mmAq)	–	–	–	–	–	–	–	–	25 (2.55)	25 (2.55)
Air Circulation (Indoor/Hi)	m^3/min	9.8 10.3	9.9 10.4	12.0 12.2	12.5 12.7	13.1 13.2	10.5 10.8	11.0 11.5	12.8 14.0	7.9 8.9	10.4 13.0
Dimensions Indoor/Panel** (Outdoor) Height	mm	280 (540)	280 (540)	540 (750)	540 (750)	540 (750)	260/51 (750)	260/51 (750)	260/51 (750)	235 (750)	285 (750)
Width	mm	799 (780)	799 (780)	1,028 (875)	1,028 (875)	1,028 (875)	575/700 (875)	575/700 (875)	575/700 (875)	750 (875)	750 (875)
Depth	mm	183 (289)	183 (289)	200 (345)	200 (345)	200 (345)	575/700 (345)	575/700 (345)	575/700 (345)	370 (345)	370 (345)
Net Weight Indoor/Panel** (Outdoor)	kg	8 (30)	8 (34)	17 (48)	18 (48)	20.0 (49.0)	18.0/2.5 (48.0)	18.0/2.5 (48.0)	18.0/2.5 (49.0)	17.0 (48.0)	18.0 (48.0)
Refrigerant Pipe Diameter Liquid Side	mm inch	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"
Gas Side	mm inch	9.52 3/8"	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"
Pipe Extension Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length***	m	15	15	20	20	20	20	20	20	20	20
Power Supply		Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Energy Saving Classification: Cooling Class	kW	A	A	A	B	B	B	B	C	A	B
Annual Energy Consumption		365	455	645	830	965	650	765	1,025	620	810
Heating Class		A	A	C	C	B	D	D	D	E	C

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 R410A R407C (CS-W28BKP5)

Cooling
Heating

Model		(50Hz)	CS-W7DKE (CU-W7DKE)	CS-W9DKE (CU-W9DKE)	CS-W12DKE (CU-W12DKE)	CS-W18DKE (CU-W18DKE)	CS-W24DKE (CU-W24DKE)	CS-W28BKP5 (CU-W28BKP5)	CS-PW9DKE (CU-PW9DKE)	CS-PW12DKE (CU-PW12DKE)	CS-PW18DKE (CU-PW18DKE)	CS-W12CTP (CU-W12CTP5)	CS-W18CTP (CU-W18CTP5)	CS-W24CTP (CU-W24CTP5)
Cooling Capacity		kW	2.30	2.75	3.60	5.30	7.03	7.90	2.65	3.40	5.10	3.60	5.20	6.90
		kcal/h	1,980	2,370	3,100	4,560	6,050	6,794	2,280	2,920	4,390	3,100	4,470	5,930
EER		W/W	3.24	3.22	3.21	3.21	2.53	2.65	3.21	3.21	2.91	3.13	3.07	2.51
Heating Capacity		kW	2.45	3.05	3.90	5.42	7.50	9.20	2.85	3.80	5.30	3.95	5.80	7.65
		kcal/h	2,110	2,620	3,350	4,660	6,450	7,912	2,450	3,270	4,560	3,400	4,990	8,580
COP		W/W	3.63	3.61	3.61	3.27	2.87	2.63	3.80	3,80	3.35	3.35	3.33	2.65
Electrical Data														
	Voltage	V	230	230	230	230	230	230	230	230	230	230	230	230
	Running Current	A	3.2 3.0	3.8 3.8	5.1 4.9	7.4 7.4	13.1 12.5	14.0 16.0	3.90 3.70	5.30 4.70	7.7 6.9	5.1 5.3	7.6 7.9	13.0 13.7
	Power Input	W	710 675	855 845	1,120 1,080	1,650 1,660	2,780 2,610	2,980 3,500	825 750	1,060 1,000	1,750 1,580	1,150 1,180	1,690 1,740	2,750 2,890
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	38/30 38/29	39/32 39/31	45/38 43/38	39/33 39/33	45/39 45/39	47/42 47/42
	Outdoor (Hi)	dB(A)	46 48	48 49	49 49	54 55	54 55	63 63	48 49	49 50	55 55	49 49	55 56	60 61
	Sound Power Level*													
	Indoor (Hi)	dB	47 49	49 52	52 53	55 53	59 57	59 59	49 49	50 50	58 56	52 52	58 58	60 60
	Outdoor (Hi)	dB	61 63	63 64	64 65	68 69	69 70	76 76	61 62	62 63	70 70	64 65	68 69	74 75
Moisture Removal		L/h	1.5	1.6	2.1	2.9	4.0	3.5	1.6	1.9	2.9	2.1	2.9	3.9
Air Circulation (Indoor/Hi)		m³/min	7.9 9.1	8.6 9.7	9.5 9.7	15.3 16.0	17.4 18.2	18.0 19.0	9.6 9.8	9.3 9.8	16.2 16.4	9.7 9.7	12.4 12.4	12.9 12.9
Dimensions Indoor (Outdoor)														
	Height	mm	280 (510)	280 (510)	280 (540)	275 (750)	275 (750)	370 (685)	280 (540)	280 (540)	275 (540)	540 (540)	540 (685)	540 (685)
	Width	mm	799 (650)	799 (650)	799 (780)	998 (875)	998 (875)	1,220 (880)	799 (780)	799 (780)	998 (780)	1,028 (780)	1,028 (800)	1,028 (800)
	Depth	mm	183 (230)	183 (230)	183 (289)	230 (345)	230 (345)	220 (345)	183 (289)	183 (289)	230 (289)	200 (289)	200 (300)	200 (300)
Net Weight Indoor (Outdoor)		kg	9 (26)	9 (29)	9 (35)	11.0 (56.0)	11.0 (63.0)	18 (68)	8.5 (29)	8.5 (32)	11.0 (45.0)	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"	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"	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	3
	Maximum Pipe Length***	m	10	10	15	25	25	30	10	15	25	15	25	25
Power Supply			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Energy Saving Classification	Cooling Class		A	A	A	A	E	D	A	A	C	B	B	E
	Annual Energy Consumption	kW	355	430	560	825	1,390	1,490	415	530	875	575	845	1,375
	Heating Class		A	A	A	C	D	E	A	A	C	C	C	E

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.
** Panel is applicable to cassette type only.
*** Additional Gas might be required for some models.
\# For models with the Air Purifying Filter, the specifications indicate values with the filter removed.

Specifications

Single Split R410A R407C (CS-V28BKP5)

Model (50Hz)		CS-V7DKE (CU-V7DKE)	CS-V9DKE (CU-V9DKE)	CS-V12DKE (CU-V12DKE)	CS-V18DKE (CU-V18DKE)	CS-V24DKE (CU-V24DKE)	CS-V28BKP5 (CU-V28BKP5)	CS-PV9DKE (CU-PV9DKE)	CS-PV12DKE (CU-PV12DKE)	CS-V12CTP (CU-V12CTP5)	CS-V18CTP (CU-V18CTP5)	CS-V24CTP (CU-V24CTP5)
Cooling Capacity	kW	2.40	3.00	3.68	5.30	7.03	7.90	2.65	3.52	3.52	5.30	7.03
	kcal/h	2,060	2,580	3,160	4,560	6,050	6,794	2,280	3,030	3,030	4,530	6,050
EER	W/W	3.24	3.21	3.23	3.25	2.70	2.65	3.23	3.20	3.20	3.17	2.58
Electrical Data												
Voltage	V	230	230	230	230	230	230	230	230	230	230	230
Running Current	A	3.4	4.2	5.3	7.3	12.3	14.0	3.70	5.30	4.9	7.5	13.1
Power Input	W	740	935	1,140	1,630	2,600	2,980	820	1,100	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	37/30	39/32	39/33	45/39	47/42
Outdoor (Hi)	dB(A)	46	48	49	54	54	63	48	49	49	55	60
Noise: Sound Power Level*												
Indoor (Hi)	dB	46	48	52	54	59	59	48	50	52	56	60
Outdoor (Hi)	dB	61	63	64	69	69	76	61	62	63	68	73
Moisture Removal	L/h	1.5	1.7	2.1	2.9	4.0	3.5	1.6	2.0	2.0	2.9	3.5
Air Circulation (Indoor/Hi)	m^3/min	7.8	8.5	9.5	14.8	16.9	18.0	7.3	9.8	9.7	12.2	12.9
Dimensions Indoor (Outdoor)												
Height	mm	280 (510)	280 (540)	280 (540)	275 (750)	275 (750)	370 (685)	280 (530)	280 (540)	540 (540)	540 (685)	540 (685)
Width	mm	799 (650)	799 (780)	799 (780)	998 (875)	998 (875)	1,220 (880)	799 (650)	799 (780)	1,028 (780)	1,028 (800)	1,028 (800)
Depth	mm	183 (230)	183 (289)	183 (289)	230 (345)	230 (345)	220 (345)	183 (230)	183 (289)	200 (289)	200 (300)	200 (300)
Net Weight Indoor (Outdoor)	kg	9 (25)	9 (31)	9 (33)	11.0 (50.0)	11.0 (59.0)	18 (66)	8 (25)	8.5 (28)	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"	9.52 3/8"	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
Energy Saving Classification: Annual Energy Consumption	kW	370	470	570	815	1,300	1,490	410	550	550	835	1,365

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 : Outdoor Units

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	A
	Annual Energy Consumption kW	615	760	975	990
	Heating Class	A	A	A	A

* The cooling sound power level specification is based on EUROVENT Document 6/C/006-97.
** Additional Gas might be required for some models.
*** Refer to page 21 for information on Additional Gas.
# For models with the Air Purifying Filter, the specifications indicate values with the filter removed.

Specifications

Multi Inverter Split Type : Indoor Units

Wall-Mounted

Cooling
Heating

Model (Capacity)	CS-ME7DKEG (2.2 kW class)	CS-E9DKEW (2.8 kW class)	CS-E12DKEW (3.2 kW class)	CS-E15DKEW (4.0 kW class)	CS-E18DKEW (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	280	280	280	280	275
Width mm	799	799	799	799	998
Depth mm	183	183	183	183	230
Net Weight kg	9.0	9.0	9.0	9.0	11.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²				
Refrigerant Pipe Diameter					
Liquid Side mm	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	12.70*	12.70*	12.70*

*A pipe size reducer (CZ-MA1P) must be used to reduce the pipe diameter to 9.52 mm at the connection port of the indoor unit.
For models with the Air Purifying Filter, the specifications indicate values with the filter removed.

Floor or Ceiling

Cooling
Heating

Model (Capacity)	CS-ME10DTEG (2.8 kW class)	CS-E15DTEW (4.0 kW class)	CS-E18DTEW (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz		
Noise (Hi/Lo)			
Sound Pressure Level dB(A)	39/31 40/31	45/37 45/33	46/39 47/35
Sound Power Level dB	52/44 53/44	58/50 58/46	59/52 60/48
Fan Output W	51	51	51
Dimensions			
Height mm	540	540	540
Width mm	1,028	1,028	1,028
Depth mm	200	200	200
Net Weight kg	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²		
Refrigerant Pipe Diameter			
Liquid Side mm	6.35	6.35	6.35
Gas Side mm	9.52	12.70*	12.70*

*A pipe size reducer (CZ-MA1P) must be used to reduce the pipe diameter to 9.52 mm at the connection port of the indoor unit.

Cassette (1-way)

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 mm²			
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

Multi Inverter Split : Indoor Units

Cassette (4-way)

Cooling
Heating

Model (Capacity)	CS-E15DB4EW (4.0 kW class)	CS-E18DB4EW (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz	
Noise (Hi/Lo)		
Sound Pressure Level dB(A)	34/26 35/28	36/28 37/29
Sound Power Level dB	47/39 48/41	49/41 50/42
Fan Output W	40	40
Dimensions		
Height mm	260	260
Width mm	575	575
Depth mm	575	575
Net Weight kg	18.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²	
Refrigerant Pipe Diameter		
Liquid Side mm	6.35	6.35
Gas Side mm	12.70*	12.70*

*A pipe size reducer (CZ-MA1P) must be used to reduce the pipe diameter to 9.52 mm at the connection port of the indoor unit.

Hide-Away

Cooling
Heating

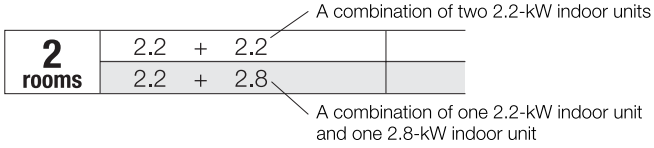
Model (Capacity)	CS-ME10DD3EG (2.8 kW class)	CS-E15DD3EW (4.0 kW class)	CS-E18DD3EW (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz		
Noise (Hi/Lo)			
Sound Pressure Level dB(A)	31/27 35/27	33/27 35/28	41/30 41/32
Sound Power Level dB	47/43 51/43	49/43 51/44	57/46 57/48
Fan Output W	30	30	30
External Static Pressure Pa(mmAq)	25 (2.55)	25 (2.55)	25 (2.55)
Air Circulation m³/min	7.0	7.8	10.3
Dimensions			
Height mm	235	235	285
Width mm	750	750	750
Depth mm	370	370	370
Net Weight kg	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²		
Refrigerant Pipe Diameter			
Liquid Side mm	6.35	6.35	6.35
Gas Side mm	9.52	12.70*	12.70*

*A pipe size reducer (CZ-MA1P) must be used to reduce the pipe diameter to 9.52 mm at the connection port of the indoor unit.

Specifications

Multi Inverter Split
Approximate Cooling and Heating Capacities

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



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

CU-2E15CBPG

A.E.C. : Annual Energy Consumption

	Indoor Units Capacity	COOLING OPERATION							HEATING OPERATION					
		Cooling Capacity			Running Current	Power Input	Cooling Class	A.E.C.#	Heating Capacity			Running Current	Power Input	Heating Class
		Room A	Room B	Total					Room A	Room B	Total			
		kW	kW	kW	A	W		kW	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

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

CU-2E18CBPG

A.E.C. : Annual Energy Consumption

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

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

CU-3E23CBPG

A.E.C. : Annual Energy Consumption

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

CU-4E27CBPG

A.E.C. : Annual Energy Consumption

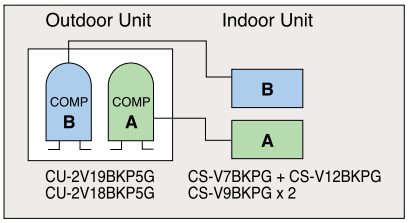
	Indoor Units Capacity	COOLING OPERATION									HEATING OPERATION							
		Cooling Capacity					Running Current	Power Input	Cooling Class	A.E.C.#	Heating Capacity					Running Current	Power Input	Heating Class
		Room A	Room B	Room C	Room D	Total					Room A	Room B	Room C	Room D	Total			
		kW	kW	kW	kW	kW	A	W		kW	kW	kW	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 - 4.7)	3.85	840 (370 - 1,830)	A
	2.8	2.80	–	–	–	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	A	310	4.00	–	–	–	4.00 (1.7 - 4.8)	5.40	1,210 (370 - 1,900)	C
	3.2	3.20	–	–	–	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	A	360	4.50	–	–	–	4.50 (1.7 - 5.8)	5.85	1,310 (370 - 2,290)	B
	4.0	4.00	–	–	–	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,390)	A	515	5.60	–	–	–	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 3,560)	D
	5.0	5.00	–	–	–	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	B	805	7.10	–	–	–	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 3,560)	F
2 rooms	2.2 + 2.2	2.20	2.20	–	–	4.40 (2.1 - 5.0)	4.45	980 (400 - 1,260)	A	490	3.20	3.20	–	–	6.40 (1.8 - 9.4)	6.50	1,480 (400 - 3,550)	A
	2.2 + 2.8	2.20	2.80	–	–	5.00 (2.1 - 6.1)	5.50	1,230 (400 - 1,880)	A	615	3.10	4.00	–	–	7.10 (2.1 - 9.4)	7.55	1,700 (420 - 3,510)	A
	2.2 + 3.2	2.20	3.20	–	–	5.40 (2.2 - 7.0)	6.10	1,370 (400 - 2,790)	A	685	3.05	4.45	–	–	7.50 (2.2 - 9.8)	7.65	1,740 (420 - 3,490)	A
	2.2 + 4.0	2.20	4.00	–	–	6.20 (2.2 - 7.1)	8.00	1,820 (400 - 2,790)	A	910	3.00	5.30	–	–	8.30 (2.4 - 9.8)	9.05	2,060 (440 - 3,440)	A
	2.2 + 5.0	2.10	4.90	–	–	7.00 (2.5 - 7.2)	11.0	2,500 (460 - 2,800)	D	1,250	2.70	6.10	–	–	8.80 (3.2 - 9.9)	9.90	2,260 (530 - 3,400)	A
	2.8 + 2.8	2.80	2.80	–	–	5.60 (2.2 - 6.9)	6.85	1,550 (400 - 2,780)	A	775	3.85	3.85	–	–	7.70 (2.3 - 9.4)	8.85	2,020 (440 - 3,480)	A
	2.8 + 3.2	2.80	3.20	–	–	6.00 (2.2 - 7.0)	7.55	1,700 (400 - 2,790)	A	850	3.80	4.30	–	–	8.10 (2.4 - 9.8)	8.70	1,980 (440 - 3,460)	A
	2.8 + 4.0	2.80	4.00	–	–	6.80 (2.2 - 7.1)	10.0	2,280 (400 - 2,790)	C	1,140	3.55	5.05	–	–	8.60 (2.1 - 9.8)	9.65	2,175 (530 - 3,390)	A
	2.8 + 5.0	2.55	4.55	–	–	7.10 (2.5 - 7.2)	11.5	2,610 (460 - 2,800)	D	1,305	3.25	5.75	–	–	9.00 (3.2 - 9.9)	10.5	2,390 (530 - 3,370)	A
	3.2 + 3.2	3.20	3.20	–	–	6.40 (2.2 - 7.3)	8.15	1,860 (400 - 2,810)	A	930	4.25	4.25	–	–	8.50 (2.5 - 10.1)	9.30	2,110 (470 - 3,390)	A
	3.2 + 4.0	3.10	3.90	–	–	7.00 (2.5 - 7.3)	10.6	2,410 (460 - 2,810)	C	1,205	3.90	4.90	–	–	8.80 (3.2 - 10.1)	9.85	2,230 (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)	10.9	2,470 (590 - 3,290)	A
3 rooms	2.2 + 2.2 + 2.2	2.20	2.20	2.20	–	6.60 (2.2 - 7.8)	7.40	1,660 (410 - 2,490)	A	830	2.87	2.87	2.87	–	8.61 (3.1 - 10.4)	8.80	1,990 (500 - 3,250)	A
	2.2 + 2.2 + 2.8	2.15	2.15	2.70	–	7.00 (2.5 - 8.1)	8.25	1,890 (460 - 2,850)	A	945	2.70	2.70	3.40	–	8.80 (3.2 - 10.4)	8.85	2,010 (510 - 3,220)	A
	2.2 + 2.2 + 3.2	2.10	2.10	3.10	–	7.30 (2.5 - 8.2)	8.70	1,980 (460 - 2,790)	A	990	2.60	2.60	3.70	–	8.90 (3.2 - 10.4)	8.95	2,030 (510 - 3,220)	A
	2.2 + 2.2 + 4.0	2.05	2.05	3.70	–	7.80 (2.6 - 8.2)	10.3	2,330 (460 - 2,830)	A	1,165	2.40	2.40	4.40	–	9.20 (3.2 - 10.4)	9.50	2,150 (510 - 3,180)	A
	2.2 + 2.2 + 5.0	1.85	1.85	4.30	–	8.00 (2.8 - 8.3)	10.8	2,460 (490 - 2,820)	A	1,230	2.20	2.20	5.00	–	9.40 (3.2 - 10.4)	9.30	2,120 (510 - 3,180)	A
	2.2 + 2.8 + 2.8	2.10	2.65	2.65	–	7.40 (2.5 - 8.1)	9.40	2,140 (460 - 2,790)	A	1,070	2.50	3.25	3.25	–	9.00 (3.2 - 10.4)	9.20	2,090 (510 - 3,190)	A
	2.2 + 2.8 + 3.2	2.00	2.60	3.00	–	7.60 (2.6 - 8.2)	9.85	2,240 (460 - 2,840)	A	1,120	2.45	3.15	3.60	–	9.20 (3.2 - 10.4)	9.30	2,110 (510 - 3,180)	A
	2.2 + 2.8 + 4.0	1.95	2.50	3.55	–	8.00 (2.7 - 8.2)	11.0	2,510 (490 - 2,800)	B	1,255	2.30	2.90	4.20	–	9.40 (3.2 - 10.4)	9.50	2,160 (510 - 3,140)	A
	2.2 + 2.8 + 5.0	1.75	2.25	4.00	–	8.00 (2.8 - 8.3)	10.8	2,460 (490 - 2,800)	A	1,230	2.05	2.65	4.70	–	9.40 (3.5 - 10.4)	9.15	2,080 (560 - 3,150)	A
	2.2 + 3.2 + 3.2	2.00	2.95	2.95	–	7.90 (2.7 - 8.3)	10.1	2,290 (460 - 2,810)	A	1,145	2.40	3.45	3.45	–	9.30 (3.2 - 10.5)	9.40	2,130 (500 - 3,180)	A
	2.2 + 3.2 + 4.0	1.90	2.70	3.40	–	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,840)	A	1,190	2.20	3.20	4.00	–	9.40 (3.2 - 10.5)	9.50	2,150 (500 - 3,140)	A
	2.2 + 3.2 + 5.0	1.70	2.45	3.85	–	8.00 (2.8 - 8.3)	10.9	2,470 (490 - 2,840)	A	1,235	2.00	2.90	4.50	–	9.40 (3.7 - 10.5)	9.55	2,170 (620 - 3,140)	A
	2.2 + 4.0 + 4.0	1.70	3.15	3.15	–	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,810)	A	1,190	2.00	3.70	3.70	–	9.40 (3.6 - 10.5)	9.30	2,110 (620 - 3,110)	A
	2.2 + 4.0 + 5.0	1.60	2.85	3.55	–	8.00 (2.8 - 8.3)	10.9	2,470 (490 - 2,810)	A	1,235	1.85	3.35	4.20	–	9.40 (3.9 - 10.5)	9.30	2,120 (660 - 3,110)	A
	2.2 + 5.0 + 5.0	1.40	3.30	3.30	–	8.00 (2.9 - 8.4)	10.7	2,430 (490 - 2,830)	A	1,215	1.70	3.85	3.85	–	9.40 (4.1 - 10.5)	9.55	2,170 (700 - 3,120)	A
	2.8 + 2.8 + 2.8	2.60	2.60	2.60	–	7.80 (2.6 - 8.1)	10.8	2,450 (460 - 2,820)	B	1,225	3.08	3.08	3.08	–	9.24 (3.2 - 10.4)	9.55	2,170 (510 - 3,160)	A
	2.8 + 2.8 + 3.2	2.55	2.55	2.90	–	8.00 (2.7 - 8.2)	11.0	2,510 (490 - 2,810)	B	1,255	3.00	3.00	3.40	–	9.40 (3.2 - 10.4)	9.65	2,190 (510 - 3,150)	A
	2.8 + 2.8 + 4.0	2.35	2.35	3.30	–	8.00 (2.8 - 8.2)	11.0	2,510 (490 - 2,790)	B	1,255	2.75	2.75	3.90	–	9.40 (3.3 - 10.4)	9.40	2,140 (530 - 3,130)	A
	2.8 + 2.8 + 5.0	2.10	2.10	3.80	–	8.00 (2.8 - 8.3)	10.8	2,460 (490 - 2,790)	A	1,230	2.50	2.50	4.40	–	9.40 (3.8 - 10.4)	9.20	2,100 (640 - 3,120)	A
	2.8 + 3.2 + 3.2	2.40	2.80	2.80	–	8.00 (2.7 - 8.4)	10.4	2,380 (490 - 2,850)	A	1,190	2.90	3.25	3.25	–	9.40 (3.2 - 10.5)	9.55	2,170 (500 - 3,150)	A
	2.8 + 3.2 + 4.0	2.25	2.55	3.20	–	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,820)	A	1,190	2.65	3.00	3.75	–	9.40 (3.5 - 10.5)	9.40	2,130 (560 - 3,120)	A
	2.8 + 3.2 + 5.0	2.05	2.30	3.65	–	8.00 (2.8 - 8.4)	10.3	2,340 (490 - 2,830)	A	1,170	2.40	2.70	4.30	–	9.40 (3.9 - 10.5)	9.50	2,150 (660 - 3,120)	A
	2.8 + 4.0 + 4.0	2.10	2.95	2.95	–	8.00 (2.8 - 8.4)	10.4	2,380 (490 - 2,800)	A	1,190	2.40	3.50	3.50	–	9.40 (3.8 - 10.5)	9.05	2,060 (640 - 3,080)	A
	2.8 + 4.0 + 5.0	1.90	2.70	3.40	–	8.00 (2.8 - 8.4)	10.3	2,340 (490 - 2,800)	A	1,170	2.20	3.20	4.00	–	9.40 (4.0 - 10.5)	9.20	2,100 (680 - 3,080)	A
	2.8 + 5.0 + 5.0	1.70	3.15	3.15	–	8.00 (2.9 - 8.5)	10.3	2,340 (520 - 2,800)	A	1,170	2.10	3.65	3.65	–	9.40 (4.2 - 10.5)	9.40	2,140 (700 - 3,080)	A
	3.2 + 3.2 + 3.2	2.66	2.66	2.66	–	7.98 (2.8 - 8.5)	10.1	2,300 (490 - 2,830)	A	1,150	3.13	3.13	3.13	–	9.39 (3.3 - 10.5)	9.50	2,160 (520 - 3,180)	A
	3.2 + 3.2 + 4.0	2.45	2.45	3.10	–	8.00 (2.8 - 8.4)	10.5	2,390 (490 - 2,800)	A	1,195	2.90	2.90	3.60	–	9.40 (3.7 - 10.5)	9.40	2,140 (620 - 3,150)	A
	3.2 + 3.2 + 5.0	2.25	2.25	3.50	–	8.00 (2.8 - 8.4)	10.5	2,390 (490 - 2,830)	A	1,195	2.65	2.65	4.10	–	9.40 (4.0 - 10.5)	9.40	2,130 (680 - 3,120)	A
	3.2 + 4.0 + 4.0	2.30	2.85	2.85	–	8.00 (2.8 - 8.4)	10.5	2,390 (490 - 2,820)	A	1,195	2.70	3.35	3.35	–	9.40 (3.9 - 10.5)	9.30	2,120 (660 - 3,120)	A
	3.2 + 4.0 + 5.0	2.10	2.60	3.30	–	8.00 (2.9 - 8.4)	10.3	2,350 (490 - 2,820)	A	1,175	2.45	3.10	3.85	–	9.40 (4.1 - 10.5)	9.20	2,100 (700 - 3,100)	A
	3.2 + 5.0 + 5.0	1.90	3.05	3.05	–	8.00 (2.9 - 8.5)	10.3	2,350 (520 - 2,810)	A	1,175	2.30	3.55	3.55	–	9.40 (4.2 - 10.5)	9.05	2,060 (700 - 3,080)	A
	4.0 + 4.0 + 4.0	2.66	2.66	2.66	–	7.98 (2.9 - 8.4)	10.5	2,390 (490 - 2,840)	A	1,195	3.13	3.13	3.13	–	9.39 (4.0 - 10.5)	9.20	2,100 (680 - 3,080)	A
	4.0 + 4.0 + 5.0	2.45	2.45	3.10	–	8.00 (2.9 - 8.4)	10.5	2,390 (520 - 2,810)	A	1,195	2.90	2.90	3.60	–	9.40 (4.2 - 10.5)	9.15	2,080 (700 - 3,080)	A
4 rooms	2.2 + 2.2 + 2.2 + 2.2	2.00	2.00	2.00	2.00	8.00 (2.7 - 8.8)	9.50	2,150 (490 - 2,840)	A	1,075	2.35	2.35	2.35	2.35	9.40 (3.2 - 10.5)	9.15	2,080 (550 - 3,140)	A
	2.2 + 2.2 + 2.2 + 2.8	1.85	1.85	1.85	2.45	8.00 (2.8 - 8.8)	9.40	2,140 (490 - 2,880)	A	1,070	2.20	2.20	2.20	2.80	9.40 (3.2 - 10.5)	9.05	2,060 (550 - 3,120)	A
	2.2 + 2.2 + 2.2 + 3.2	1.80	1.80	1.80	2.60	8.00 (2.8 - 8.9)	9.40	2,130 (490 - 2,880)	A	1,065	2.10	2.10	2.10	3.10	9.40 (3.4 - 10.5)	9.30	2,120 (590 - 3,180)	A
	2.2 + 2.2 + 2.2 + 4.0	1.65	1.65	1.65	3.05	8.00 (2.8 - 8.9)	9.30	2,110 (490 - 2,870)	A	1,055	1.95	1.95	1.95	3.55	9.40 (3.8 - 10.5)	9.20	2,090 (640 - 3,140)	A
	2.2 + 2.2 + 2.2 + 5.0	1.50	1.50	1.50	3.50	8.00 (2.8 - 8.9)	9.30	2,110 (490 - 2,840)	A	1,055	1.80	1.80	1.80	4.00	9.40 (4.0 - 10.5)	9.30	2,120 (680 - 3,110)	A
	2.2 + 2.2 + 2.8 + 2.8	1.75	1.75	2.25	2.25	8.00 (2.8 - 8.8)	9.40	2,130 (490 - 2,870)	A	1,065	2.05	2.05	2.65	2.65	9.40 (3.5 - 10.5)	9.05	2,050 (610 - 3,110)	A
	2.2 + 2.2 + 2.8 + 3.2	1.70	1.70	2.15	2.45	8.00 (2.8 - 8.9)	9.30	2,120 (490 - 2,870)	A	1,060	2.00	2.00	2.50	2.90	9.40 (3.7 - 10.5)	9.20	2,100 (620 - 3,160)	A
	2.2 + 2.2 + 2.8 + 4.0	1.55	1.55	2.00	2.90	8.00 (2.8 - 8.9)	9.20	2,090 (490 - 2,840)	A	1,045	1.85	1.85	2.35	3.35	9.40 (3.9 - 10.5)	9.10	2,070 (660 - 3,110)	A
	2.2 + 2.2 + 2.8 + 5.0	1.45	1.45	1.85	3.25	8.00 (2.9 - 8.9)	9.30	2,110 (520 - 2,880)	A	1,055	1.70	1.70	2.15	3.85	9.40 (4.1 - 10.5)	9.20	2,090 (700 - 3,100)	A
	2.2 + 2.2 + 3.2 + 3.2	1.65	1.65	2.35	2.35	8.00 (2.8 - 8.9)	9.20	2,090 (500 - 2,870)	A	1,045	1.90	1.90	2.80	2.80	9.40 (3.8 - 10.5)	9.30	2,110 (640 - 3,190)	A
	2.2 + 2.2 + 3.2 + 4.0	1.50	1.50	2.20	2.80	8.00 (2.8 - 8.9)	9.15	2,080 (500 - 2,840)	A	1,040	1.80	1.80	2.55	3.25	9.40 (4.0 - 10.5)	9.15	2,080 (680 - 3,150)	A
	2.2 + 2.2 + 3.2 + 5.0	1.40	1.40	2.05	3.15	8.00 (2.9 - 9.0)	8.95	2,040 (520 - 2,860)	A	1,020	1.65	1.65	2.40	3.70	9.40 (4.1 - 10.5)	9.30	2,110 (700 - 3,080)	A
	2.2 + 2.2 + 4.0 + 4.0	1.40	1.40	2.60	2.60	8.00 (2.9 - 9.0)	9.05	2,060 (520 - 2,850)	A	1,030	1.65	1.65	3.05	3.05	9.40 (4.1 - 10.5)	9.05	2,050 (700 - 3,110)	A
	2.2 + 2.2 + 4.0 + 5.0	1.30	1.30	2.40	3.00	8.00 (2.9 - 9.0)	8.85	2,020 (520 - 2,880)	A	1,010	1.55	1.55	2.80	3.50	9.40 (4.2 - 10.5)	9.15	2,080 (700 - 3,060)	A
	2.2 + 2.8 + 2.8 + 2.8	1.70	2.10	2.10	2.10	8.00 (2.8 - 8.8)	9.30	2,120 (490 - 2,850)	A	1,060	1.90	2.50	2.50	2.50	9.40 (3.8 - 10.5)	8.95	2,040 (640 - 3,080)	A
	2.2 + 2.8 + 2.8 + 3.2	1.60	2.05	2.05	2.30	8.00 (2.8 - 8.9)	9.20	2,100 (490 - 2,850)	A	1,050	1.85	2.40	2.40	2.75	9.40 (3.9 - 10.5)	9.15	2,080 (660 - 3,130)	A
	2.2 + 2.8 + 2.8 + 4.0	1.50	1.90	1.90	2.70	8.00 (2.8 - 8.9)	9.40	2,130 (490 - 2,860)	A	1,065	1.75	2.25	2.25	3.15	9.40 (4.0 - 10.5)	9.05	2,050 (680 - 3,080)	A
	2.2 + 2.8 + 2.8 + 5.0	1.40	1.75	1.75	3.10	8.00 (2.9 - 8.9)	9.30	2,110 (520 - 2,860)	A	1,055	1.65	2.05	2.05	3.65	9.40 (4.2 - 10.5)	9.15	2,080 (700 - 3,080)	A
	2.2 + 2.8 + 3.2 + 3.2	1.55	1.95	2.25	2.25	8.00 (2.8 - 8.9)	9.40	2,130 (500 - 2,850)	A	1,065	1.80	2.30	2.65	2.65	9.40 (4.0 - 10.5)	9.20	2,090 (680 - 3,180)	A
	2.2 + 2.8 + 3.2 + 4.0	1.45	1.85	2.10	2.60	8.00 (2.9 - 9.0)	9.15	2,070 (520 - 2,860)	A	1,035	1.70	2.15	2.45	3.10	9.40 (4.1 - 10.5)	9.05	2,060 (700 - 3,120)	A
	2.2 + 2.8 + 3.2 + 5.0	1.30	1.70	1.95	3.05	8.00 (2.9 - 9.0)	8.95	2,030 (520 - 2,840)	A	1,015	1.55	2.00	2.30	3.55	9.40 (4.2 - 10.5)	9.20	2,090 (700 - 3,080)	A
	2.2 + 2.8 + 4.0 + 4.0	1.35	1.75	2.45	2.45	8.00 (2.9 - 9.0)	8.95	2,040 (520 - 2,870)	A	1,020	1.60	2.00	2.90	2.90	9.40 (4.2 - 10.5)	8.95	2,030 (700 - 3,080)	A
	2.2 + 3.2 + 3.2 + 3.2	1.55	2.15	2.15	2.15	8.00 (2.8 - 9.1)	8.95	2,040 (500 - 2,870)	A	1,020	1.75	2.55	2.55	2.55	9.40 (4.0 - 10.6)	9.30	2,110 (680 - 3,120)	A
	2.2 + 3.2 + 3.2 + 4.0	1.40	2.05	2.05	2.50	8.00 (2.9 - 9.1)	8.85	2,020 (520 - 2,840)	A	1,010	1.60	2.40	2.40	3.00	9.40 (4.1 - 10.6)	9.15	2,080 (700 - 3,080)	A
	2.2 + 3.2 + 3.2 + 5.0	1.30	1.90	1.90	2.90	8.00 (3.0 - 9.2)	8.80	2,000 (530 - 2,870)	A	1,000	1.55	2.20	2.20	3.45	9.40 (4.2 - 10.6)	9.30	2,110 (700 - 3,060)	A
	2.2 + 3.2 + 4.0 + 4.0	1.30	1.90	2.40	2.40	8.00 (2.9 - 9.1)	9.20	2,090 (520 - 2,860)	A	1,045	1.55	2.25	2.80	2.80	9.40 (4.2 - 10.6)	9.05	2,060 (700 - 3,060)	A
	2.8 + 2.8 + 2.8 + 2.8	2.00	2.00	2.00	2.00	8.00 (2.8 - 8.8)	9.30	2,110 (490 - 2,840)	A	1,055	2.35	2.35	2.35	2.35	9.40 (3.9 - 10.5)	8.95	2,030 (660 - 3,080)	A
	2.8 + 2.8 + 2.8 + 3.2	1.95	1.95	1.95	2.15	8.00 (2.8 - 8.9)	9.20	2,090 (490 - 2,870)	A	1,045	2.25	2.25	2.25	2.65	9.40 (4.0 - 10.5)	9.05	2,060 (680 - 3,100)	A
	2.8 + 2.8 + 2.8 + 4.0	1.80	1.80	1.80	2.60	8.00 (2.9 - 8.9)	9.30	2,120 (520 - 2,850)	A	1,060	2.10	2.10	2.10	3.10	9.40 (4.1 - 10.5)	8.95	2,040 (700 - 3,070)	A
	2.8 + 2.8 + 2.8 + 5.0	1.65	1.65	1.65	3.05	8.00 (2.9 - 8.9)	9.30	2,110 (520 - 2,850)	A	1,055	1.95	1.95	1.95	3.55	9.40 (4.2 - 10.5)	9.15	2,070 (700 - 3,070)	A
	2.8 + 2.8 + 3.2 + 3.2	1.85	1.85	2.15	2.15	8.00 (2.9 - 9.0)	9.15	2,080 (500 - 2,870)	A	1,040	2.20	2.20	2.50	2.50	9.40 (4.0 - 10.5)	9.15	2,070 (680 - 3,140)	A
	2.8 + 2.8 + 3.2 + 4.0	1.75	1.75	2.00	2.50	8.00 (2.9 - 9.0)	9.05	2,050 (520 - 2,880)	A	1,025	2.05	2.05	2.35	2.95	9.40 (4.2 - 10.5)	8.95	2,040 (700 - 3,080)	A
	2.8 + 2.8 + 4.0 + 4.0	1.65	1.65	2.35	2.35	8.00 (3.0 - 9.0)	8.95	2,040 (520 - 2,860)	A	1,020	1.95	1.95	2.75	2.75	9.40 (4.2 - 10.5)	8.85	2,020 (700 - 3,070)	A
	2.8 + 3.2 + 3.2 + 3.2	1.85	2.05	2.05	2.05	8.00 (2.9 - 9.1)	8.95	2,030 (520 - 2,860)	A	1,015	2.05	2.45	2.45	2.45	9.40 (4.1 - 10.6)	9.20	2,090 (700 - 3,100)	A
	2.8 + 3.2 + 3.2 + 4.0	1.70	1.95	1.95	2.40	8.00 (2.9 - 9.1)	8.85	2,010 (520 - 2,880)	A	1,005	1.95	2.30	2.30	2.85	9.40 (4.2 - 10.6)	9.15	2,070 (700 - 3,080)	A
	3.2 + 3.2 + 3.2 + 3.2	2.00	2.00	2.00	2.00	8.00 (2.9 - 9.2)	8.80	2,000 (530 - 2,850)	A	1,000	2.35	2.35	2.35	2.35	9.40 (4.2 - 10.6)	9.30	2,110 (700 - 3,080)	A
	3.2 + 3.2 + 3.2 + 4.0	1.90	1.90	1.90	2.30	8.00 (3.0 - 9.2)	8.70	1,980 (530 - 2,870)	A	990	2.20	2.20	2.20	2.80	9.40 (4.2 - 10.6)	9.10	2,080 (700 - 3,060)	A

Specifications

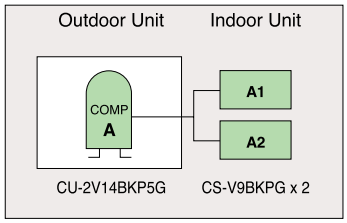
Multi Split R410A

Model (50Hz)		CS-V9BKPGx2 (CU-2V14BKP5G)		CS-V9BKPGx2 (CU-2V18BKP5G)		Unit **B**: CS-V7BKPG Unit **A**: CS-V12BKPG (CU-2V19BKP5G)		
Operation		1 Unit	2 Units	1 Unit	2 Units	1 Unit **B**	1 Unit **A**	2 Units **B+A**
Cooling Capacity	kW	3.00	3.70	2.73	5.46	2.10	3.55	5.65
	kcal/h	2,580	3,180	2,350	4,700	1,810	3,050	4,860
EER	W/W	2.54	2.98	3.17	3.17	2.92	2.89	3.05
Electrical Data Voltage	V	230	230	230	230	230	230	230
Running Current	A	5.3	5.6	3.9	7.8	3.2	5.5	8.3
Power Input	W	1,180	1,240	860	1,720	720	1,230	1,850
Noise: Sound Pressure Level Indoor (Hi/Lo)	dB(A)	36/26	36/26	36/26	36/26	33/26	39/29	**B** 33/26 **A** 39/29
Noise: Outdoor (Hi)	dB(A)	47	47	55	55	55	55	55
Noise: Sound Power Level* Indoor (Hi)	dB	49	49	49	49	46	52	**B** 46 **A** 52
Noise: Outdoor (Hi)	dB	62	62	70	70	70	70	70
Moisture Removal	L/h	1.7	2.2	1.6	3.0	1.4	2.1	3.1
Air Circulation (Indoor/Hi)	m³/min	9.9		9.9		8.5	10.2	**B** 8.5 **A** 10.2
Dimensions Indoor (Outdoor) Height	mm	275 (540)		275 (651)		275 (651)		
Width	mm	799 (760)		799 (893)		799 (893)		
Depth	mm	210 (250)		210 (345)		210 (345)		
Net Weight Indoor (Outdoor)	kg	9 (34)		9 (64)		9 (66)		
Refrigerant Pipe Diameter Liquid Side	mm inch	6.35 1/4"		6.35 1/4"		6.35 1/4"		
Gas Side	mm inch	9.52 3/8"		9.52 3/8"		**B** 9.52 3/8"	**A** 12.70 1/2"	
Pipe Extension Minimum Pipe Length	m	3		3		3		
Maximum Pipe Length**	m	15		15		15		
Power Supply		Outdoor		Outdoor		Outdoor		
Energy Saving Classification: Cooling Class		E	C	B	B	C	C	B
Annual Energy Consumption	kW	590	620	430	860	360	615	925

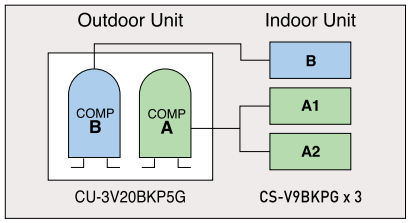
Multi Split Type : System Configuration



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.

Multi Split R410A

Model (50Hz)			Unit **B, A1, A2:CS-V9BKPGx3 (CU-3V20BKP5G)**				
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
	Outdoor (Hi)	dB(A)	56	56	56	56	56
	Sound Power Level*						
	Indoor (Hi)	dB	49	49	49	49	49
	Outdoor (Hi)	dB	71	71	71	71	71
Moisture Removal		L/h	1.6	1.7	3.1	2.2	3.7
Air Circulation (Indoor/Hi)		m^3/min	9.9	9.9	9.9	9.9	9.9
Dimensions Indoor (Outdoor)							
	Height	mm	275 (651)				
	Width	mm	799 (893)				
	Depth	mm	210 (345)				
Net Weight 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	A
	Annual Energy Consumption	kW	455	560	970	600	995

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

QUALITY SYSTEM
SIRIM

CERTIFIED TO MS ISO 9002: 1994
MATSUSHITA INDUSTRIAL CORP. SDN. BHD.(PHAAM)
Registration No.: AR 0866

TÜV CERT
DIN EN ISO 9001
Certificate: 09 100 5766

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

ENVIRONMENTAL SYSTEM
SIRIM
UKAS ENVIRONMENTAL MANAGEMENT
074
MS ISO 14001 CERT. NO. MO 15802127

CERTIFIED TO MS ISO 14001: 1997
MATSUSHITA INDUSTRIAL CORP. SDN. BHD.(PHAAM)
Certification No.: M015802127

LLOYD'S REGISTER QUALITY ASSURANCE ISO 14001
UKAS ENVIRONMENTAL MANAGEMENT
001

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

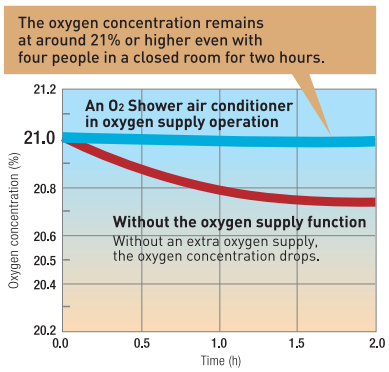
Feature Explanations

Healthy Air Quality

O_2 air

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.

■Change in oxygen concentration



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.

Ion Freshener

It is known that areas rich in negative ions, like near waterfalls and forests, generally make people feel refreshed. With Panasonic split air conditioner, the same refreshing feeling can be felt just by pushing a single button.

Supersonic Air Purifying System

The Supersonic Air Purifying System incorporated in the indoor unit generates supersonic waves.The system works in combination with the filter to collects dust and dirt in the air for faster, more efficient air purification.

SUPER alleru-buster filter

The SUPER alleru-buster filter combines three effects in one —anti-allergen, anti-virus, and anti-bacteria protection — to keep room air clean and healthful.

Anti-allergen protection
Inactivates more than 99%
of all filter-captured allergens

Here, inactivate means to suppress normal activity. This inactivation of mite allergens has been verified by the University of Edinburgh in the UK.

Anti-virus protection
Inactivates more than 99%
of all filter-captured viruses

Anti-bacteria/Anti-mould protection
Enzymatic action eliminates more than 99%
of all filter-captured bacteria

Air Quality Indicator

This indicator helps monitor the condition of the air quality in the room, and tells when ventilation is needed.

You turn on AC with window closed

Green Lamp: Air quality is normal

Orange Lamp:
Air quality is deteriorating, and it is recommended to let in fresh air (i.e. open the window)

Red Lamp:
Air quality is very poor and ventilation is needed immediately

You start to let fresh air in

Orange Lamp:
Air quality is improving

Green Lamp:
Air quality resumed normal

You can stop the ventilation

Anti-Mould, One-Touch Air Filter

Odour-Removing Function

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

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

Odour Wash

Odour Wash reduces any unpleasant odours produced from the air conditioner's heat exchanger.

Removable, Washable Panel

The front panel is easy to keep clean. It removes quickly with a simple one-step operation and can be washed in water. A clean front panel promotes smoother, more efficient performance, which can save energy.

Catechin Air Purifying Filter

Solar Refreshing Deodorizing Filter

Comfortable

Inverter Control

An inverter air conditioner provides optimum power control, which is impossible for conventional units. The secret lies in the inverter circuit. By changing the frequency of power supply, this circuit alters the rotation speed of the compressor, which is the heart of the air conditioner. The result is comfortable, economical air conditioning.

Quiet Mode

Simply press a button to reduce the indoor unit operating sound by about 3 dB. This function is especially convenient for operation near a sleeping baby.

Powerful Mode

Pressing the Powerful button cools or heats the room quickly. It provides fast comfort, with full power and a strong airflow. This is perfect for use immediately after coming home, or when unexpected guests arrive.

Soft Dry Operation Mode

Starts with cooling to dehumidify. Then provides continuous breeze at low frequency to keep room dry without much change in temperature.

Personal Airflow Creation

Vertical and horizontal air flow patterns can be combined as desired to gain the greatest possible comfort, with operation possible even from a distance by remote control.

• Up & Down Airflow — 5 Patterns + Auto

When you don't want airflow directed right at you.

When you want direct airflow.

When you want to warm yourself thoroughly from the feet up.

• Left & Right Airflow — 5 Patterns + Auto

To focus the airflow to one side of the room.

To focus the airflow to the centre.

For uniform airflow throughout the room.

Airflow Direction Control (Up & Down)

The flap swings up and down automatically, distributing air throughout the room. You can also adjust the airflow angle by remote control.

Sleep Mode

This mode switches to a light breeze and automatically changes the set temperature, stopping later during sleep. Gentle cooling or heating creates an environment for restful sleep, and it's economical.

Sleep Timer Mode

The unit can be programmed to turn off after a set time of up to seven hours.

Economy Mode

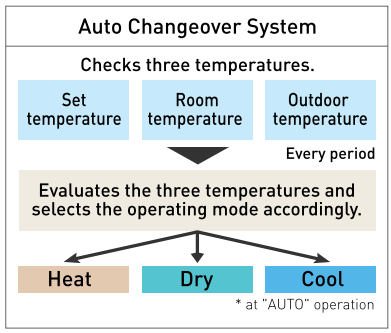
Economy mode uses up to 25%* less energy than normal mode.

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

Auto Changeover (Inverter)

Auto Changeover

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



Automatic Operation Mode (Cooling)

When the Automatic Operation button is pressed, the optimum mode (cooling, soft dry) is selected based on data from the Intake Air Sensor. The desired temperature setting can also be set (Low, Normal or High).

Hot Start Control

On the start of heating cycle and after defrost cycle, the indoor fan will start up once the indoor heat exchanger is warm.

Circulation Operation Mode

This mode circulates the air in the room, to minimize differences in air temperature.

Convenient

24-Hour ON & OFF Real Setting Timer

The start or stop operation time (hour and minute) can be set at one time. Or both of the times for start and stop operation can be set.

12-Hour ON & OFF Timer

Luminous Remote Controller

LCD Wireless Remote Controller

Bilingual Sticker

This sticker, in the language* of the country in which it is used, makes operation easier with fast and simple confirmation of button functions.

*Select from 8 languages (French, German, Spanish, Dutch, Portuguese, Italian, Greek, or Russian)

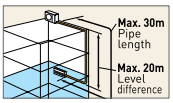
Reliable

Random Auto Restart

All models are now safe to operate without a starter. With the exclusive Random Auto Restart feature, the air conditioners automatically restart after power failure. Its 32 different recovery-timing patterns ensure that air conditioners in the same building resume one after another instead of all at the same time. This feature helps prevent power surges after a blackout and walls are nearer too.

Long Piping

The basic piping can be extended, allowing the outdoor unit to be installed farther away from the indoor unit and providing greater installation flexibility.



*The graph refers to the CS-W28BKP5 /V28BKP5 *Extendable length varies by model. *If the piping is extended past the basic pipe length, there's an extra charge for additional refrigerant.

Top-Panel Maintenance Access

Maintenance of the outdoor unit used to be quite a tedious chore, especially when the unit was installed on a narrow balcony or attached to the outer wall of a high-rise building. Now, maintenance can be performed by simply removing the top panel, making these tasks much quicker and easier.

Self-Diagnostic Function

Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows quicker servicing.

Not all features found on all models.

Feature Comparison

Heat Pump Models
Cooling Models

		Single Inverter Split											
		Wall-Mounted						Floor or Ceiling	Cassette (4-way)	Hide-Away	Wall-Mounted		
		CS-HE9DKE CS-HE12DKE	CS-XE9DKE CS-XE12DKE	CS-TE9DKE CS-TE12DKE	CS-E9DKEW CS-E12DKEW	CS-E15DKEW CS-E18DKEW CS-E21DKES CS-E24DKE	CS-PE9DKE CS-PE12DKE	CS-E15DTEW CS-E18DTEW CS-E21DTES	CS-E15DB4EW CS-E18DB4EW CS-E21DB4ES	CS-E15DD3EW CS-E18DD3EW	CS-ME7DKEG CS-E9DKEW CS-E12DKEW	CS-E15DKEW CS-E18DKEW	
Healthy Air Quality	O_2 air	●	●										
	Ion Freshener	●	●	●	●	●					●	●	
	Supersonic Air Purifying System				●	●					●	●	
	SUPER alleru-buster filter	●	●	●	●	●	● (Option)	● (Option)	● (Option)		●	●	
	Air Quality Indicator						●						
	Anti-Mould, One-Touch Air Filter	●	●	●	●	●	●	●	●		●	●	
	Odour-Removing Function	●	●	●	●	●	●	●	●	●	●	●	
	Odour Wash												
	Removable,Washable Panel	●	● (Removable)	●	●	●	●		●		●	●	
	Catechin Air Purifying Filter												
	Solar Refreshing Deodorizing Filter												
Comfortable	Inverter Control	●	●	●	●	●	●	●	●	●	●	●	
	Quiet Mode	●	●	●	●	●		●	●	●	●	●	
	Powerful Mode	●		●	●	●		●	●	●	●	●	
	Soft Dry Operation Mode		●	●	●	●		●	●	●	●	●	
	Personal Airflow Creation	●	●		●	●					●	●	
	Airflow Direction Control (Up & Down)			●			●	●	●				
	Sleep Mode												
	Sleep Timer Mode	●											
	Economy Mode												
	Auto Changeover (Inverter)	●	●	●	●	●	●	●	●	●	●	●	
	Auto Changeover												
	Automatic Operation Mode (Cooling)												
	Hot Start Control	●	●	●	●	●	●	●	●	●	●	●	
	Circulation Operation Mode												
Convenient	24-Hour ON&OFF Real Setting Timer	●	●	●	●	●		●	●	●	●	●	
	12-Hour ON&OFF Timer						●						
	Luminous Remote Controller												
	LCD Wireless Remote Controller	●	●	●	●	●	●	●	●	●	●	●	
	Bilingual Sticker	●	●	●	●	●	●	●	●	●	●	●	
Reliable	Random Auto Restart	●	●	●	●	●	●	●	●	●	●	●	
	Long Piping	15m	15m	15m	15m	15m(E15) 20m(E18/E21) 30m(E24)	15m	20m	20m	20m	30m/20m*(2E15/18) 50m/25m*(3E23) 70m/25m*(4E27)	30m/20m*(2E15/18) 50m/25m*(3E23) 70m/25m*(4E27)	
	Top-Panel Maintenance Access	●	●	●	●	●	●	●	●	●	●	●	
	Self-Diagnostic Function	●	●	●	●	●	●	●	●	●	●	●	

Multi Inverter Split					Single Split											Multi Split
	Floor or Ceiling	Cassette (1-way)	Cassette (4-way)	Hide-Away	Wall-Mounted									Floor or Ceiling		Wall-Mounted
	CS-ME10DTEG CS-E15DTEW CS-E18DTEW	CS-ME7CB1P CS-ME10CB1P CS-ME12CB1P CS-ME14CB1P	CS-E15DB4EW CS-E18DB4EW	CS-ME10DD3EG CS-E15DD3EW CS-E18DD3EW	CS-W7DKE CS-W9DKE CS-W12DKE	CS-V7DKE CS-V9DKE CS-V12DKE	CS-W18DKE CS-W24DKE	CS-V18DKE CS-V24DKE	CS-W28BKP5	CS-V28BKP5	CS-PW9DKE CS-PW12DKE	CS-PV9DKE CS-PV12DKE	CS-PW18DKE	CS-W12CTP CS-W18CTP CS-W24CTP	CS-V12CTP CS-V18CTP CS-V24CTP	CS-V7BKPG CS-V9BKPG CS-V12BKPG
					●	●	●	●								
					●	●	●	●								
	● (Option)		● (Option)		●	●	●	●			● (Option)	● (Option)	● (Option)			
											●	●				
	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		●														
		●	●		●	●	●	●			●	●	●			●
									●	●						●
									●	●						●
	●	●	●	●												
	●	●	●	●	●	●	●	●								
	●	●	●	●	●	●	●	●								●
	●	●	●	●	●	●	●	●	●	●			●	●	●	●
							●	●								
	●	●			●	●			●	●	●	●	●	●	●	●
									●	●				●	●	●
		●														
																●
	●	●	●	●												
					●		●		●		●		●	●		
						●		●		●		●			●	●
	●	●	●	●	●		●		●		●		●	●		
						●		●		●		●			●	●
	●	●	●	●	●	●	●	●	●	●			●			●
											●	●		●	●	
														●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●			
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	● (Memory)	● (Memory)	●	●	●	●	●	●
	30m/20m*(2E15/18) 50m/25m*(3E23) 70m/25m*(4E27)	50m/25m*(3E23) 70m/25m*(4E27)	50m/25m*(3E23) 70m/25m*(4E27)	30m/20m*(2E15/18) 50m/25m*(3E23) 70m/25m*(4E27)	10m(W7/W9) 15m(W12)	10m(V7/V9) 15m(V12)	25m	25m	30m	30m	10m(PW9) 15m(PW12)	10m(PV9) 15m(PV12)	25m	15m(W12) 25m(W18/W24)	15m(V12) 25m(V18/V24)	15m(Total)
	●	●	●	●	●	●	●	●			●	●	●	●	●	
	●	●	●	●												

* Total room / One room

The System of Model Numbers for Split Models

CS	–	M	E	7	D	K	E		G
1		2	3	4		5			7

CU	–	2	V	18	B	K	P	5	G
1		2	3	4		5		6	7

1 Model Type
CS : Split Type (Indoor unit)
CU : Split Type (Outdoor unit)
CZ : Accessories

2 Connection Configuration
<Indoor unit>
No indications : Single Split Type
M: Multi Split Type
<Outdoor unit>
n: (n) rooms Multi

3 Function
V : Cooling only (HFC)
W : Heat Pump (HFC)
E : Inverter Heat Pump (HFC)

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

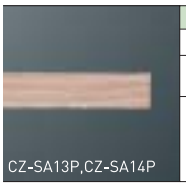
5 Type
K : Wall Mounted Type
T : Floor or Ceiling Dual Mountable Type
B1,B4 : Cassette Type
D3 : Hide-Away Type
B : Flexibly connectable to various type of indoor unit

6 Power Supply
5 : 50 Hz (Single phase)

7 Other
G: Outdoor power supply for Multi Split Type
<Indoor unit>
W: For either single or multi use

Optional Accessories

Replacement SUPER alleru-buster filter


CZ-SA13P,CZ-SA14P

Applicable Models	
CZ-SA13P	**CZ-SA14P**
Wall-Mounted (Deluxe,Deluxe-Wide)	Wall-Mounted (Flagship,Super-Deluxe,Super-Deluxe Slim,Standard), Floor or Ceiling,Cassette(4-way)
CS-E9DKEW,CS-E12DKEW,CS-E15DKEW,CS-E18DKEW,CS-E21DKES, CS-E24DKE,CS-ME7DKEG,CS-W7DKE,CS-W9DKE,CS-W12DKE,CS-V7DKE, CS-V9DKE,CS-V12DKE,CS-W18DKE,CS-W24DKE,CS-V18DKE,CS-V24DKE	CS-HE9DKE,CS-HE12DKE,CS-XE9DKE,CS-XE12DKE,CS-TE9DKE, CS-TE12DKE,CS-PE9DKE,CS-PE12DKE,CS-PW9DKE,CS-PW12DKE, CS-PV9DKE,CS-PV12DKE,CS-PW18DKE,CS-E15DTEW,CS-E18DTEW, CS-E21DTES,CS-ME10DTEG,CS-E15DB4EW,CS-E18DB4EW,CS-E21DB4ES

Replacement Catechin Air Purifying Filter


CZ-SF70P,CZ-SF71P

Applicable Models	
CZ-SF70P	**CZ-SF71P**
CS-V7BKPG,CS-V9BKPG, CS-V12BKPG	CS-W28BKP5,CS-V28BKP5

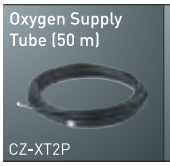
Replacement Solar Refreshing Deodorizing Filter


CZ-SFD70P,CZ-SFD71P

Applicable Models	
CZ-SFD70P	**CZ-SFD71P**
CS-V7BKPG,CS-V9BKPG, CS-V12BKPG	CS-W28BKP5,CS-V28BKP5

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

Installation Parts


Oxygen Supply Tube (50 m)
CZ-XT2P

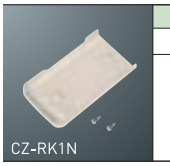

Connection Joint
CZ-XT1P

Applicable Models
CZ-XT1P,CZ-XT2P
CS-HE9DKE, CS-HE12DKE, CS-XE9DKE, CS-XE12DKE


Pipe Size Reducer
CZ-MA1P

Applicable Models
CZ-MA1P
CS-E12DKEW,CS-E15DKEW, CS-E18DKEW,CS-E15DTEW, CS-E18DTEW,CS-E15DB4EW, CS-E18DB4EW,CS-E15DD3EW, CS-E18DD3EW

Remote Control Unit Holder


CZ-RK1N

Applicable Models
CZ-RK1N
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 February, 2005
- Due to printing considerations, the actual colours may vary slightly from these shown.

Panasonic®