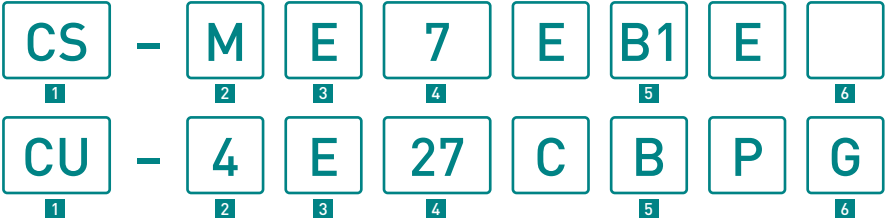




The System of Model Numbers for Split Models



1 Model Type	2 Connection Configuration / Classification	3 Function
CS : Split Type (Indoor unit) CU : Split Type (Outdoor unit) CZ : Accessories	<Indoor unit> M : Multi Split Type X : Single Split / Super Deluxe T : Single Split / Super Deluxe Slim P : Single Split / Standard No Indications : Single Split / Deluxe	<Outdoor unit> n : (n) rooms Multi V : Cooling only (HFC) W : Heat Pump (HFC) E : Inverter Heat Pump (HFC)
4 Capacity	5 Type	6 Other
Value = Capacity (Btu/h) x 1/1000 e.g. 18,000 Btu/h x 1/1000 = 18	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	G : Outdoor power supply for Multi Split Type <Indoor unit> W : For either single or multi use S : For single use

Optional Accessories

Filters
Replacement SUPER alleru-buster filter - Long-life type (10 years)

Applicable Models
CZ-SA15P
Wall-Mounted (Super Deluxe)
CS-XE9EKE, CS-XE12EKE

Replacement: every 10 years

Replacement SUPER alleru-buster filter

Applicable Models	
CZ-SA13P	CZ-SA14P
Wall-Mounted (Deluxe,Deluxe-Wide),Cassette (4-way)	Wall-Mounted (Super Deluxe Slim, Standard),Floor or Ceiling
CS-E9DKEW, CS-E12DKEW, CS-E15DKEW, CS-E15EKEA, CS-E18DKEW, CS-E18EKEA, CS-E21DKES, CS-E21EKEA, CS-E24EKES, CS-E28EKE, CS-ME7DKEG, CS-W7DKE, CS-W9DKE, CS-W12DKE, CS-V7DKE, CS-V9DKE, CS-V12DKE, CS-W18DKE, CS-W24DKE, CS-V18DKE, CS-V24DKE, CS-V28EKE, CS-MV7EKE, CS-MV9EKE, CS-MV12EKE, CS-E15DB4EW, CS-E18DB4EW, CS-E21DB4ES	CS-TE9DKE, CS-TE12DKE, CS-PE9DKE, CS-PE12DKE, CS-PW9DKE, CS-PW12DKE, CS-PW18DKE, CS-E15DTEW, CS-E18DTEW, CS-E21DTEW, CS-ME10DTEG

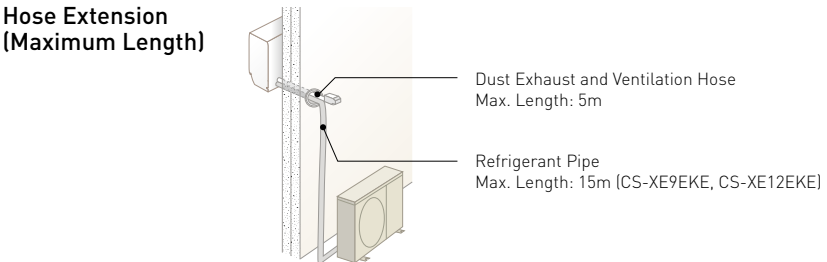
Replacement: every 3 years

Installation Parts
Dust Exhaust and Ventilation Hose (The indoor unit includes a 2-meter hose)

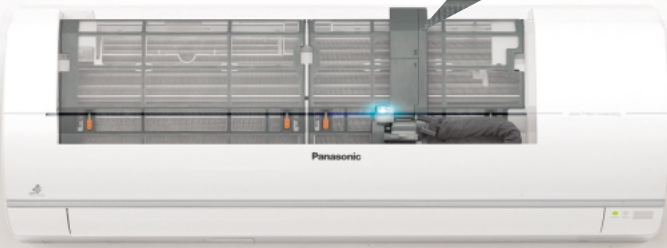
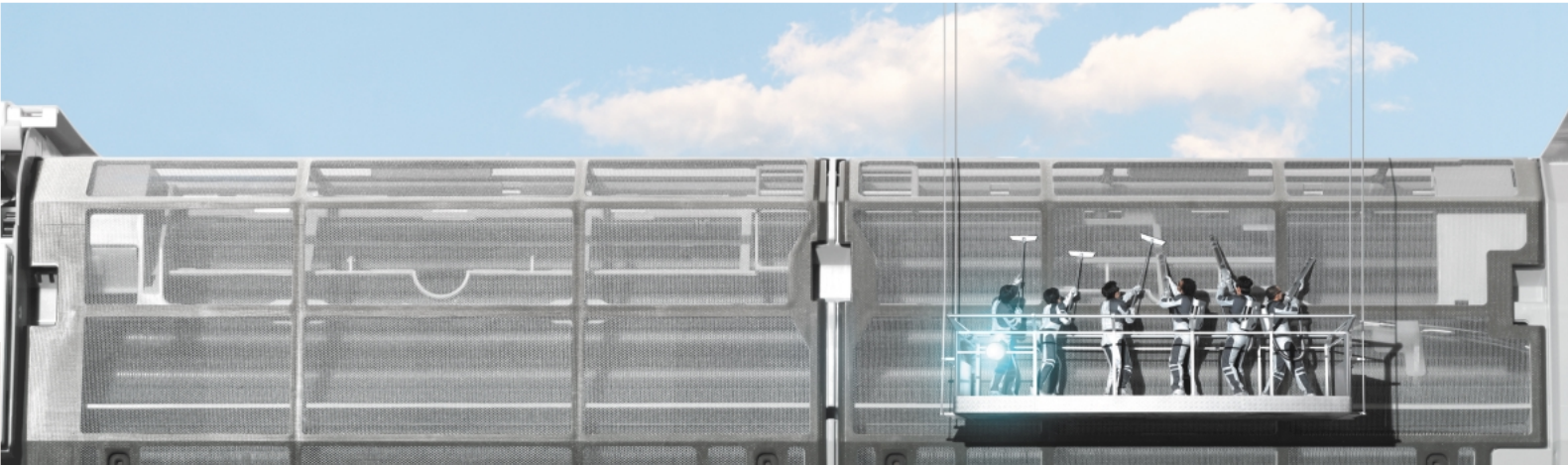
Applicable Models	
Extension Hose (3m)	Replacement Hose (5m) with Tip Cover
CZ-HV3P	CZ-HV5P
Can be added to the included 2-meter hose if necessary.	Use to replace the included 2-meter hose for concealed piping use. Use with the included 2-meter hose or the CZ-HV3P is not permitted. (Maximum hose length is 5 m.)
CZ-HV3P, CZ-HV5P	CS-XE9EKE, CS-XE12EKE

Pipe Size Reducer

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



- Please read the Installation Manual carefully before installing the unit, and read the Operating Manual before using.
- Specifications are subject to change without notice for further improvement.
- The contents of this catalogue are effective as of November, 2005.
- Due to printing considerations, the actual colours may vary slightly from those shown.



AC Robot
Auto Cleaning



Meet the Auto Cleaning Robot.

It automatically cleans the filter to keep the performance just like new.

Introducing Panasonic's original filter-cleaning AC Robot (Auto Cleaning Robot). This powerful, built-in cleaning mechanism automatically cleans the filter to minimize filter clogging. This maintains the air conditioner's original performance, while eliminating the unpleasant job of cleaning the filter manually.



It automatically vacuums the dust from the filter and exhausts it outdoors each time you use it.

Always
CLEAN

Always
POWERFUL

Always
EFFICIENT

Model Line-Up Choose the Best Inverter — Panasonic —

Energy-Efficiency Classification
Most efficient level : A **COOLING** A 3.20 < EER
Refer to page 19 for information on Energy-Efficiency Classification.

Single Inverter Split									
Wall-Mounted					Floor or Ceiling		Cassette (4-way)	Hide-Away	
Indoor	Super Deluxe	Super Deluxe Slim	Deluxe	Deluxe Wide	Standard				
Capacity (kW)	2.5 CS-XE9EKE (CU-XE9EKE) A	CS-TE9DKE (CU-TE9DKE) A	CS-E9DKEW (CU-E9DKE) A		CS-PE9DKE (CU-PE9DKE) A				
	3.5 CS-XE12EKE (CU-XE12EKE) A	CS-TE12DKE (CU-TE12DKE) A	CS-E12DKEW (CU-E12DKE) A		CS-PE12DKE (CU-PE12DKE) A				
			CS-E15DKEW (CU-E15DKE) A			CS-E15DTEW (CU-E15DBE) A		CS-E15DB4EW (CU-E15DBE)	CS-E15DD3EW (CU-E15DBE) A
			CS-E15EKEA (CU-E15EKEA) A NEW			CS-E18DTEW (CU-E18DBE)		CS-E18DB4EW (CU-E18DBE)	CS-E18DD3EW (CU-E18DBE)
				CS-E18DKEW (CU-E18DKE) A		CS-E21DTEW (CU-E21DBE)		CS-E21DB4ES (CU-E21DBE)	
				CS-E18EKEA (CU-E18EKEA) A NEW					
				CS-E21DKES (CU-E21DKE) NEW					
				CS-E21EKEA (CU-E21EKEA) NEW					
				CS-E24EKES (CU-E24EKE) NEW					
				CS-E28EKE (CU-E28EKE) NEW					
Air Quality Features									

Multi Inverter Split										
Wall-Mounted		Floor or Ceiling		Cassette (1-way)	Cassette (4-way)	Hide-Away	Outdoor	2 rooms	3 rooms	4 rooms
Indoor	Deluxe	Deluxe Wide								
Capacity (kW)	2.2 CS-ME7DKEG				CS-ME7EB1E			CU-2E15CBPG A (4.4-5.0kW)		
	2.8 CS-E9DKEW		CS-ME10DTEG		CS-ME10EB1E				CU-3E18EBE A NEW CU-3E23CBPG A (5.0-10.0kW)	
	3.2 CS-E12DKEW				CS-ME12EB1E					CU-4E27CBPG A (5.0-13.6kW)
	4.0 CS-E15DKEW		CS-E15DTEW		CS-ME14EB1E	CS-E15DB4EW	CS-E15DD3EW			
		CS-E18DKEW	CS-E18DTEW			CS-E18DB4EW	CS-E18DD3EW			
Air Quality Features								See the table on page 21 for indoor unit and outdoor unit combinations.		

Single Split						
Wall-Mounted					Floor or Ceiling	
Indoor	Deluxe	Deluxe Wide		Standard	Standard Wide	
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					
	3.5 CS-W12DKE (CU-W12DKE) A			CS-PW12DKE (CU-PW12DKE) A		CS-W12CTP (CU-W12CTP5)
	CS-V12DKE (CU-V12DKE) A					CS-V12CTP (CU-V12CTP5)
		CS-W18DKE (CU-W18DKE) A			CS-PW18DKE (CU-PW18DKE)	CS-W18CTP (CU-W18CTP5)
		CS-V18DKE (CU-V18DKE) A				CS-V18CTP (CU-V18CTP5)
		CS-W24DKE (CU-W24DKE)				CS-W24CTP (CU-W24CTP5)
		CS-V24DKE (CU-V24DKE)				CS-V24CTP (CU-V24CTP5)
			CS-V28EKE (CU-V28EKE) A			
Air Quality Features						

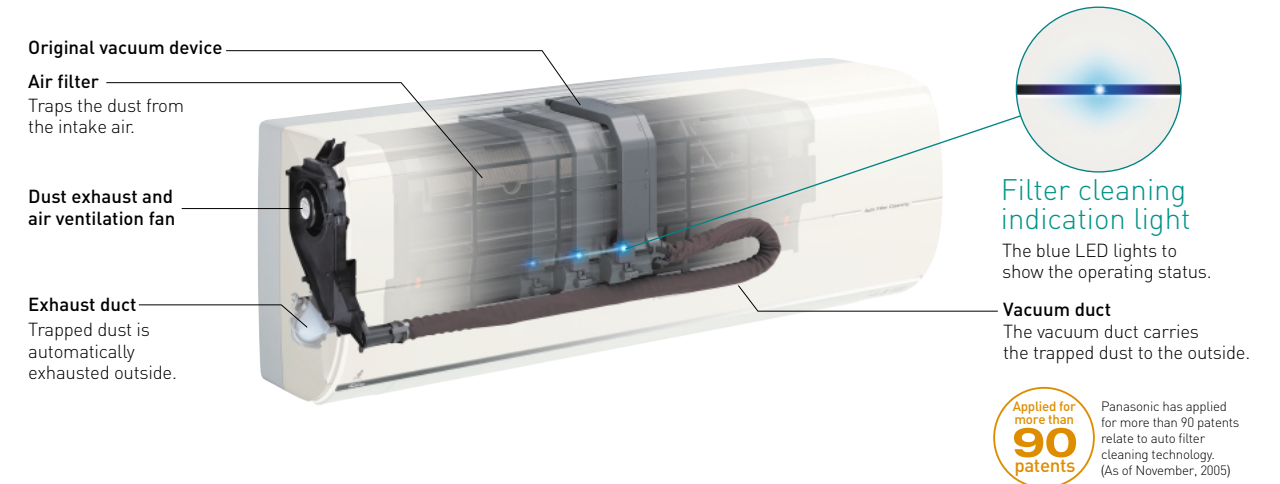
Multi Split			
Wall-Mounted			
Indoor	Dual Split		Triple Split
Capacity (kW)	2.0	CS-MV7EKE/CS-MV12EKE (CU-ZV19EKE)	
	3.0	CS-MV9EKEx2 (CU-ZV14EKE)	
		CS-MV9EKEx2 (CU-ZV18EKE)	
Outdoor	2 rooms	2 rooms	3 rooms
	CU-2V14EKE (2.9-3.6kW)	CU-2V18EKE (2.6-5.3kW)	CU-2V19EKE (2.0-5.5kW)
			CU-3V20EKE A (2.6-6.4kW)
Air Quality Features			

Heat Pump Models (orange background) / Cooling Models (blue background)
 Auto Cleaning Robot Supersonic Air Purifying System Super alleru-buster filter (Super alleru-buster + Catechin + Bio) Ion Freshener Air Quality Indicator

Mark indicating product meets German safety standards. Panasonic is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products. The 3 rooms and 4 rooms Multi-Split Type are not in the scope of the EUROVENT certification.



Automatically Traps, Vacuums and Exhausts Dust — For Clean Operation without the Cleaning Hassle



Applied for more than **90** patents
Panasonic has applied for more than 90 patents relate to auto filter cleaning technology. (As of November, 2005)

AC Robot

Auto Cleaning

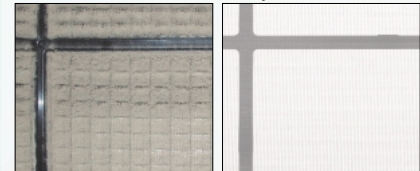
Cleans its own filter — all by itself!

The air conditioner stays in the same clean condition, with the same high-performance, as when it was first purchased.

Always CLEAN

It prevents dust from accumulating and keeps the filter like new. It prevents the breeding of mould and bacteria that cause unpleasant odours. Fresh and comfortable!

■ Dust on filter after one year

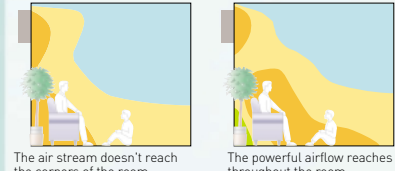


Without filter cleaning With auto filter cleaning
*Actual dust accumulation will vary depending on usage and environmental conditions.

Always POWERFUL

Because it maintains the same performance as when it was new, the level of power remains constant even after long periods of use. You enjoy comfortable air conditioning that reaches every corner of the room.

■ Energy-saving comparison (After 3 years' use)

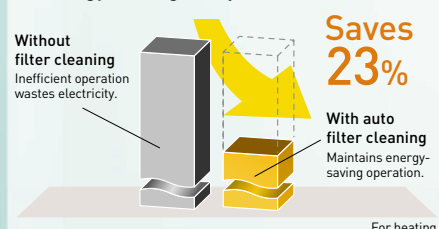


Without filter cleaning The air stream doesn't reach the corners of the room.
With auto filter cleaning The powerful airflow reaches throughout the room.
<Test conditions> • Starting temperature and humidity: 7°C, 6°C • Set temperature: 23°C • Fan speed/airflow direction: set to auto mode • After air conditioning stabilizes • Area of simulated-house testing facility: 16.5m²

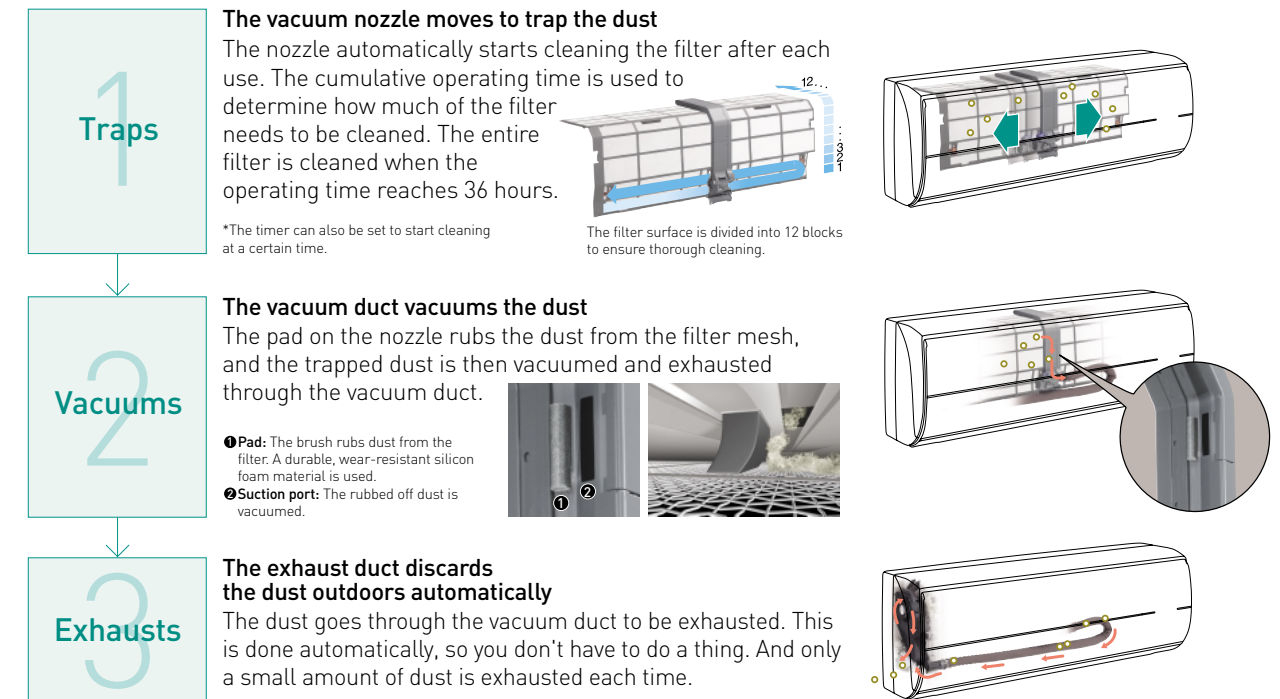
Always EFFICIENT

It prevents the reduced efficiency that is caused by filter clogging, so its top-class energy-saving performance is maintained longer. It also saves on the electric bill by suppressing the wasteful use of electricity.

■ Energy-saving comparison (After 3 years' use)



Cleaning Mechanism

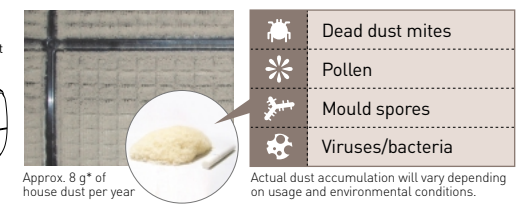
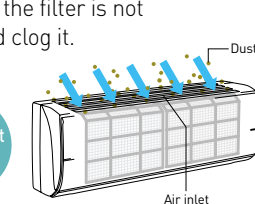


Why does the filter have to be cleaned?

The filter works to trap airborne dust. When the filter is not cleaned regularly, dust can accumulate and clog it.

■ Problems Caused by Filter Clogging

- Lower Air Volume
- Lower Efficiency
- More Noise
- Unpleasant Odours

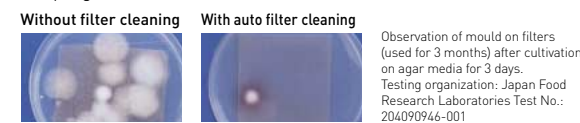


A Clean Filter Greatly Boosts Performance, Giving You Greater Comfort and Saving Energy.



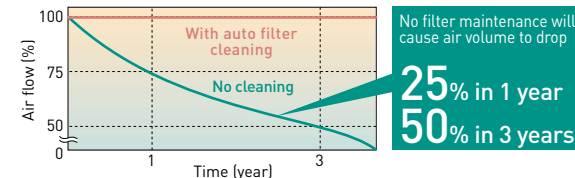
Comparison of Mould Growth

A dirty filter is a natural breeding ground for mould and house mites. Their growth can be greatly reduced by keeping the filter clean.



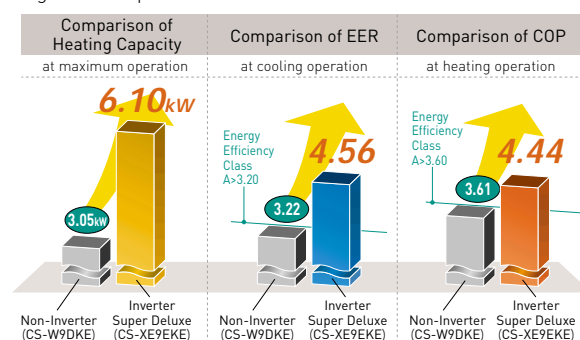
Observation of mould on filters (used for 3 months) after cultivation on agar media for 3 days.
Testing organization: Japan Food Research Laboratories Test No.: 204090946-001

Airflow Comparison



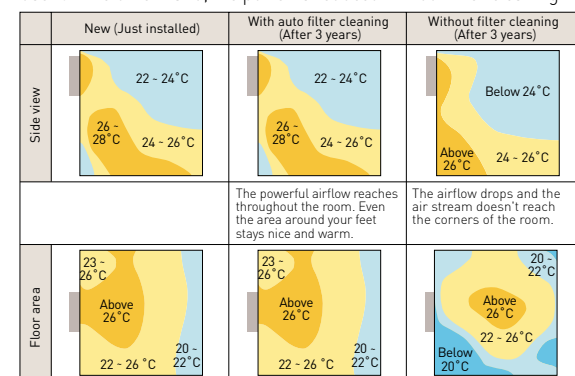
Class A energy saving achieved by inverter technology

Panasonic's high-efficiency technologies clear stringent energy-saving standards, and the AC Robot maintains this high level of performance.



Temperature Distribution Comparison

With the AC Robot, heating performance is maintained even after long use. On the other hand, the power is reduced without filter cleaning.



<Test conditions>
•Starting temperature and humidity: 7°C, 6°C •Set temperature: 23°C •Fan speed/airflow direction: set to auto mode •After air conditioning stabilizes •Area of simulated-house testing facility: 16.5m²

How It Works

A detailed cleaning programme built into the AC Robot ensures that the entire filter surface stays clean with a highly efficient cleaning process.

- The filter surface is divided into 12 blocks, and the vacuum nozzle cleans each block with a round-trip cleaning operation.
- The number of blocks (amount of surface area) to be cleaned is determined according to the air conditioner's cumulative operating time.
- Cleaning of the entire surface is completed after 36 operating hours are accumulated.



In the High fan speed in the normal setting mode

Cumulative operation hours (hour)	No. of cleaning operations
Less than 2	No cleaning
2 - <6	2 round-trip
6 - <9	3 round-trip
9 - <12	4 round-trip
>12	5 round-trip
Remarks	Max. of 8 round-trip, then 1 round-trip every 3 hours

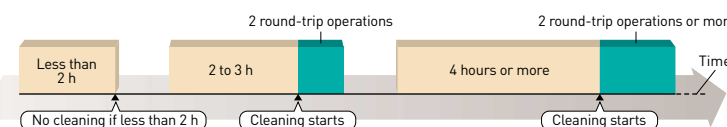
The cumulative operating time is stored in an E2-ROM microcomputer memory. In the case of a power interruption, the data is retained. (However, the timer setting is cancelled.)

Auto Filter Cleaning Operation Patterns

Two operations are available. In addition to the normal setting, the timer setting can also be used.

In the normal setting mode (non-timer)

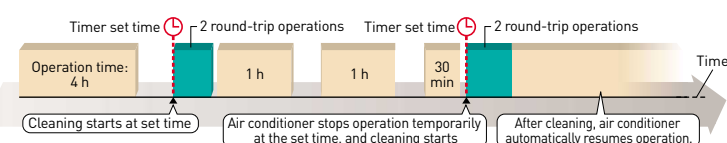
Cleaning automatically starts after each operation. The number of round-trip is determined based on the cumulative operating time.



In the timer setting mode

Cleaning starts at the set time everyday.

* If the air conditioner has not been used for more than 30 minutes since it was cleaned, the cleaning operation will not be done at the preset time.



Air cleaning features

SUPER alleru-buster filter — Long-life type (10 years)

The SUPER alleru-buster filter combines three effects in one: anti-allergen, anti-virus, and anti-bacteria protection, to keep the room air clean and healthy. Plus, the effect is maintained for 10 years.



Anti-allergen protection

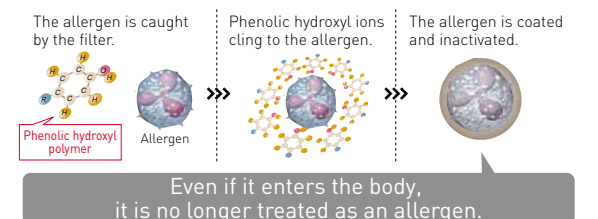
SUPER alleru-buster

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-bacteria/Anti-mould protection

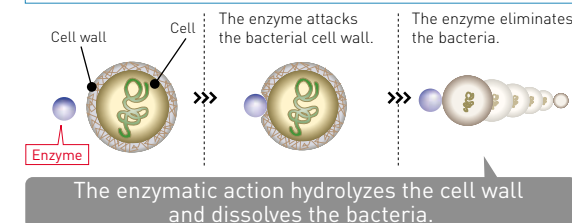
Bio (Bio-Elimination)

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-virus protection

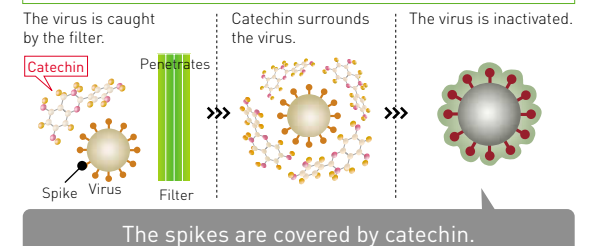
Catechin

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

Target substances
Viruses: Influenza, Coxsackie virus, etc.



How viruses are inactivated



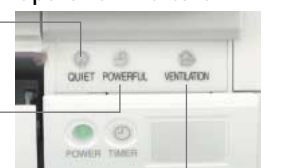
What's "Allergen"?

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

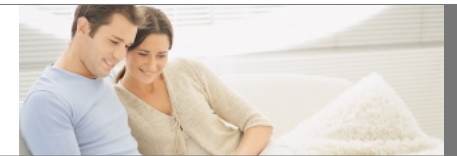
Versatile Features for Super Deluxe Models

- 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.
- Ventilation Control** You can ventilate the room by simply pressing the remote control button. Dirty air is carried outside to keep the room fresh and clean.

Operation Indicator



The indicators become visible when the grille is opened.



super slim

The super-slim design complements modern interiors

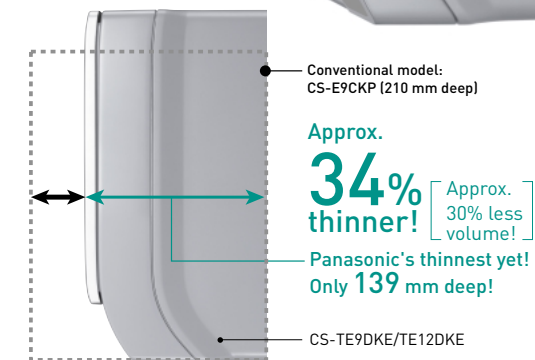
The compact, super-slim body is accented by the silver-grey lustre of its chrome plated flat panel. This modern, yet simple design adds to the beauty of any room.



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

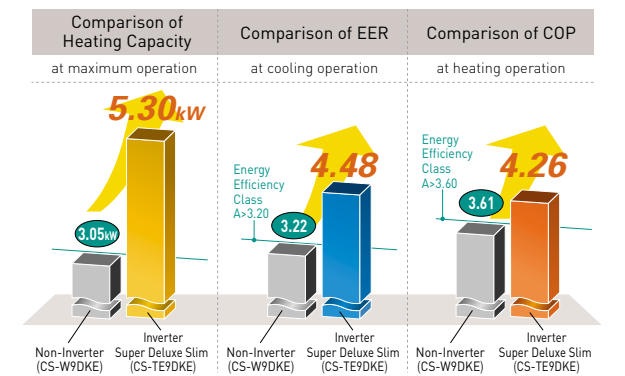
- **New-shape heat exchanger**
The optimized copper tube arrangement and the new triple-bend design combine to slim down body dimensions and raise energy efficiency.
- **High-performance wind circuit**
The new casing provides a smoother air flow.

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
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

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

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.

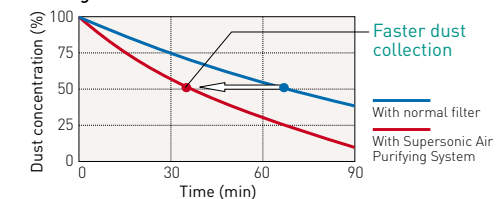
air cleaning

Supersonic Air Purifying System with SUPER alleru-buster

Supersonic Air Purifying System
Faster dust collection

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

Changes in dust concentration



Cleaner air with supersonic waves and SUPER alleru-buster

Supersonic Air Purifying System

- SUPER alleru-buster filter
- Supersonic wave generator

+

SUPER alleru-buster filter

Inactivates harmful elements

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

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

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

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. 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

Comparison of Heating Capacity at maximum operation	Comparison of EER at cooling operation	Comparison of COP at heating operation
Non-Inverter (CS-W9DKE)	Non-Inverter (CS-W9DKE)	Non-Inverter (CS-W9DKE)
Inverter Deluxe (CS-E9DKEW)	Inverter Deluxe (CS-E9DKEW)	Inverter Deluxe (CS-E9DKEW)

Round form

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



Advanced Inverter Performance – The Difference in Power and Comfort

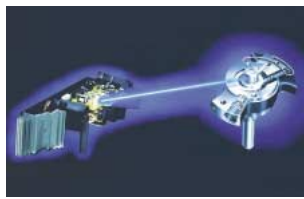


Panasonic is harnessing its industry-leading technologies to make life more comfortable. With the slogan "Technologies that deliver new levels of comfort," the company is working to develop new, high-performance inverter air conditioners. Models with PFC (power-factor corrector) circuitry reduce electrical loss from the power source, thus increasing maximum power input. This naturally increases the maximum air conditioner output, so you enjoy more comfort.



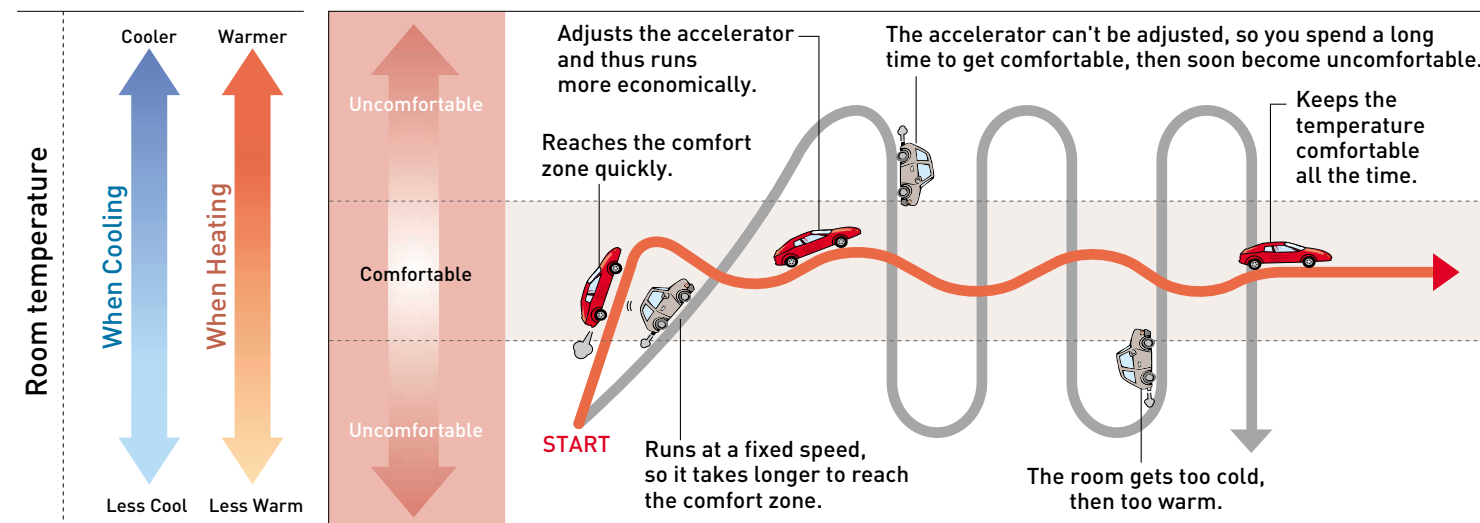
WHAT'S AN INVERTER?

An inverter is a type of power conversion circuit that electronically regulates the voltage, current, and frequency of a device. In an inverter air conditioner, this circuit controls the revolutions of the compressor — and hence the air conditioner's output. Raising the frequency increases the output, lowering the frequency reduces it. In this way, inverter air conditioners provide much finer temperature control than non-inverter models.



The advantages of an inverter air conditioner

■ Comparing inverter and non-inverter air conditioners to cars...

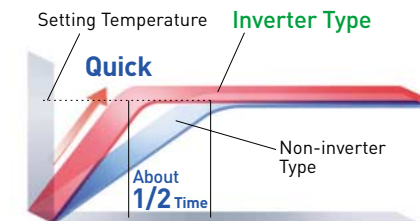


Non-inverter air conditioner (grey car) / Inverter air conditioner (red car)

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.

■ Quick comfort

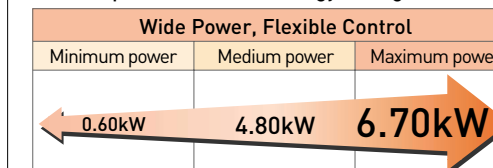


* The graph is a representation of temperature changes during heating.

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.

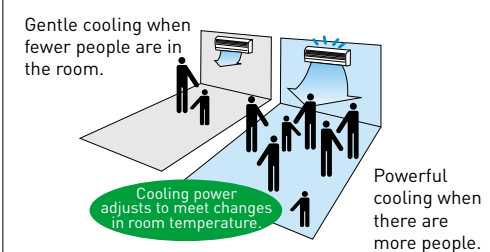
Flexible power control & Energy saving



The graph shows the CS-XE12EKE's wide power output range during heating.

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.



Single Inverter Split
Wall-Mounted

Super Deluxe

NEW



AC Robot
Auto Cleaning

With Bilingual Sticker



CU-XE9EKE/XE12EKE



Model No	CS-XE9EKE	CS-XE12EKE
Capacity(kW)	2.60(0.60~3.00)/3.60(0.60~6.10)	3.50 (0.60~4.00)/4.80(0.60~6.70)
EER/COP(W/W)	4.56 A /4.44 A	3.98 A /3.93 A



CS-XE9EKE

Super Deluxe Slim



With Bilingual Sticker



CU-TE9DKE/TE12DKE



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

Deluxe



With Bilingual Sticker



CS-E9DKEW /E12DKEW /E15DKEW
CS-E15EKEA

CU-E9DKE/
E12DKE

CU-E15DKE
CU-E15EKEA

Low Ambient Cooling

Model No	CS-E9DKEW	CS-E12DKEW	CS-E15DKEW	CS-E15EKEA NEW
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)	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	3.21 A /3.50



CS-E9DKEW

Deluxe Wide



With Bilingual Sticker



CS-E18DKEW /E21DKES
CS-E18EKEA /E21EKEA
CS-E24EKES /E28EKE



CU-E18DKE/
E21DKE
CU-E18EKEA/
E21EKEA
CU-E24EKE



CU-E28EKE

Model No	CS-E18DKEW	CS-E21DKES
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)
EER/COP(W/W)	3.21 A /3.69 A	2.85/3.43

Model No	CS-E24EKES NEW	CS-E28EKE NEW
Capacity(kW)	6.80(0.90~8.10)/8.60(0.90~9.90)	7.65(0.90~8.60)/9.60(0.90~11.00)
EER/COP(W/W)	3.21 A /3.23	3.01/2.91

Low Ambient Cooling

Model No	CS-E18EKEA NEW	CS-E21EKEA NEW
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)
EER/COP(W/W)	3.21 A /3.69 A	2.85/3.43



Standard



Air Quality Indicator

With Bilingual Sticker



CU-PE9DKE/PE12DKE



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



(option)

Low Ambient Cooling

Room cooling is possible even when the outside temperature drops as low as -15°C. This unit is designed to withstand conditions where cooling is required even during cold winter months, such as in computer rooms where the equipment heat must be controlled.

Single Inverter Split

Floor or Ceiling



CU-E15DBE/E18DBE/E21DBE



Model No	CS-E15DTEW	CS-E18DTEW	CS-E21DTEW
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 /3.34	3.01/3.35	3.01/3.42



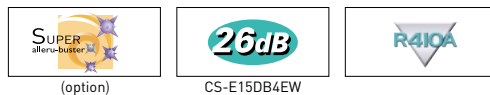
Cassette (4-way)



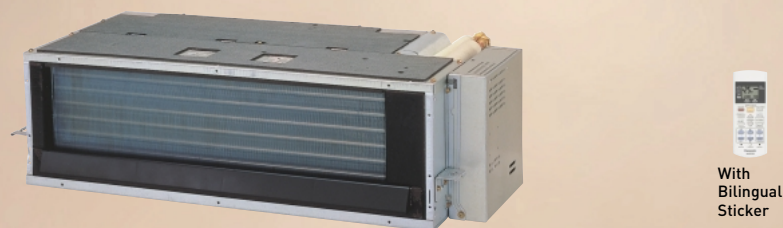
CU-E15DBE/E18DBE/E21DBE



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



Hide-Away



CU-E15DBE/E18DBE



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 /2.64	3.15/3.30



Energy-Efficiency Classifications

According to a new EC Directive, the indication of the Energy Efficiency classification on household air conditioners became compulsory. This aims to provide consumers with clear and objective information regarding energy-saving, and to encourage them to select products that are environmentally friendly. An Energy Label, like that shown in the sample below, will be provided in shop displays. In the label, the equipment is rated, with "A" being the most efficient. You may notice these labels and ratings appearing soon in shops that sell air conditioners. For easy understanding, the following information will be indicated for each model.

Energy Label ▶

Energy

Manufacturer: **Panasonic**

Outside unit: CU-***

Inside unit: CS-***

More efficient

A B C D E F G

Less efficient

Annual energy consumption, kWh in cooling mode: ***

Cooling output, kW: ***

Energy efficiency ratio: ***

Type: Cooling only, Cooling + Heating, Air cooled, Water cooled

Heat output, kW: ***

Heating performance: A

Noise (dB(A) re 1 pW): **

Further information is contained in product brochures

Air-conditioner Energy Label Directive 2002/31/EC

The product

The model number

The class

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

Annual energy consumption

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

The Energy Efficiency Ratio

The higher the EER, the greater the energy efficiency.

The type of air conditioner

The noise

Outdoor
Indoor

Classifications

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

Energy efficiency class of the unit in COOLING mode

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


Energy efficiency class of the unit in HEATING mode

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

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

Multi Inverter Split


Wall-Mounted Deluxe



With Bilingual Sticker

Model No CS-ME7DKEG CS-E9DKEW CS-E12DKEW* CS-E15DKEW*

Capacity 2.2kW class 2.8kW class 3.2kW class 4.0kW class



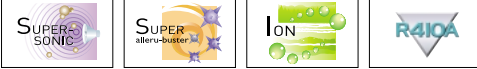
Wall-Mounted Deluxe-Wide



With Bilingual Sticker

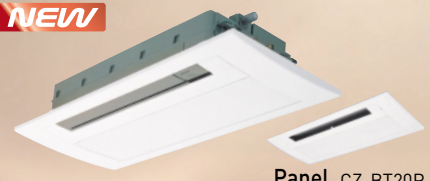
Model No CS-E18DKEW*

Capacity 5.0kW class



Cassette (1-way)

NEW




Panel CZ-BT20P

With Bilingual Sticker

Model No CS-ME7EB1E CS-ME10EB1E CS-ME12EB1E CS-ME14EB1E

Capacity 2.2kW class 2.8kW class 3.2kW class 4.0kW class



Cassette (4-way)




Panel CZ-BT20E

With Bilingual Sticker

Model No CS-E15DB4EW* CS-E18DB4EW*

Capacity 4.0kW class 5.0kW class



(option) CS-E15DB4EW


Floor or Ceiling



With Bilingual Sticker


Model No CS-ME10DTEG CS-E15DTEW* CS-E18DTEW*

Capacity 2.8kW class 4.0kW class 5.0kW class



(option)

Hide-Away



With Bilingual Sticker

Model No CS-ME10DD3EG CS-E15DD3EW* CS-E18DD3EW*

Capacity 2.8kW class 4.0kW class 5.0kW class




2 rooms




CU-2E15CBPG CU-2E18CBPG

3 rooms



CU-3E18EBE **NEW**
CU-3E23CBPG

4 rooms



CU-4E27CBPG

Additional Parts

Pipe Size Reducer

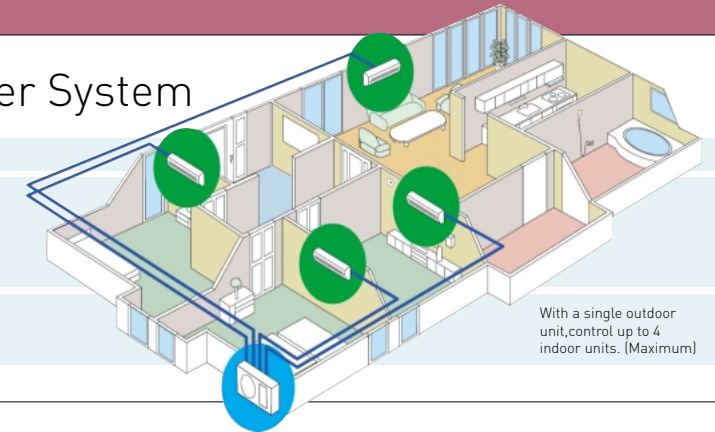


CZ-MA1P

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

Advantages of the Multi Inverter System

- 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



Combination Patterns

Models	Indoor Units: Possible Combination Patterns <small>Must be within capacity range.</small>	Capacity Range	Refrigerant Pipe Diameter			Pipe Extension				Indoor Unit Combinations										
			Indoor 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, 2.8 * Either unit PORT B 2.2, 2.8 * Either unit	4.4 5.0 kW	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	•			•	•				
2 rooms CU-2E18CBPG	 PORT A 2.2, 2.8, 3.2 * Either unit PORT B 2.2, 2.8, 3.2 * Either unit	4.4 6.4 kW	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-3E18EBE	 PORT A 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT B 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT C 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit	5.0 8.4 kW	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	•	•
3 rooms CU-3E23CBPG	 PORT A 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT B 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT C 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit	5.0 10.0 kW	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	•	•
4 rooms CU-4E27CBPG	 PORT A 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT B 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT C 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit PORT D 2.2, 2.8, 3.2, 4.0, 5.0 * Either unit	5.0 13.6 kW	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	•	•	•		•	•	4.0	•	•
			Room D	ø 6.35	ø 9.52						4.0	•	•	•	•	•	•	5.0	•	•

Single Split 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



CS-W7DKE/W9DKE/
V7DKE/V9DKE

Standard



Air Quality Indicator

With Bilingual Sticker



CU-PW9DKE/PW12DKE/

Heat Pump

Model No	CS-PW9DKE	CS-PW12DKE
Capacity(kW)	2.65/2.85	3.40/3.80
EER/COP(W/W)	3.21 A /3.80 A	3.21 A /3.80 A



(option)

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



Standard Wide



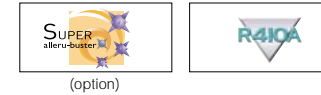
With Bilingual Sticker



CU-PW18DKE

Heat Pump

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



(option)

Deluxe Wide



With Bilingual Sticker



CU-V28EKE

Cooling

Model No	CS-V28EKE NEW
Capacity(kW)	7.91
EER(W/W)	3.22 A



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



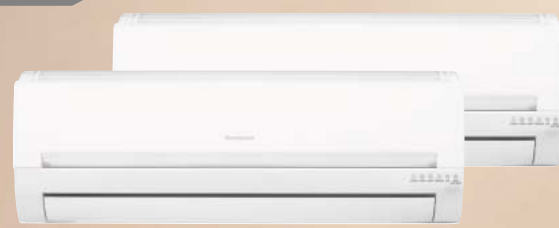
Specifications

Multi Split Wall-Mounted

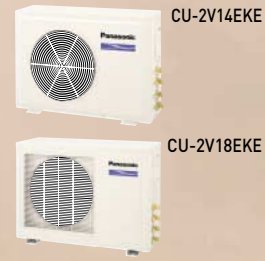
Dual Split

2 rooms

NEW



With Bilingual Sticker



CU-2V14EKE

CU-2V18EKE

Cooling

Model No	CS-MV9EKEx2 (CU-2V14EKE) 1-Compressor Dual Split Type		CS-MV9EKEx2 (CU-2V18EKE) 2-Compressor Dual Split Type	
Capacity(kW)	2.94 One-Unit Operation	3.63 Two-Unit Operation	2.65 One-Unit Operation	5.30 Two-Unit Operation
EER(W/W)	2.49 One-Unit Operation	2.93 Two-Unit Operation	3.05 One-Unit Operation	3.05 Two-Unit Operation



Dual Split

2 rooms
(Different Capacities)

NEW



With Bilingual Sticker

CU-2V19EKE

Cooling

Model No	CS-MV7EKE / CS-MV12EKE (CU-2V19EKE) 2-Compressor Dual Split Type			
Capacity(kW)	2.06 One-Unit Operation (CS-MV7EKE)	3.48 One-Unit Operation (CS-MV12EKE)	5.54 Two-Unit Operation (CS-MV7EKE+CS-MV12EKE)	
EER(W/W)	2.86 One-Unit Operation (CS-MV7EKE)	2.83 One-Unit Operation (CS-MV12EKE)	3.01 Two-Unit Operation (CS-MV7EKE+CS-MV12EKE)	



Triple Split

3 rooms

NEW

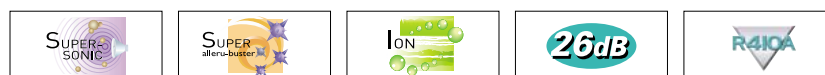


With Bilingual Sticker

CU-3V20EKE

Cooling

Model No	CS-MV9EKEx3 (CU-3V20EKE) 2-Compressor Triple Split Type					
Capacity(kW)	2.68 One-Unit Operation (B)	2.89 One-Unit Operation (A1 or A2)	5.57 Two-Unit Operation (B + A1 or A2)	3.74 Two-Unit Operation (A1 + A2)	6.42 Three-Unit Operation (B + A1 + A2)	
EER(W/W)	2.95 One-Unit Operation (B)	2.58 One-Unit Operation (A1 or A2)	2.87 Two-Unit Operation (B + A1 or A2)	3.12 Two-Unit Operation (A1 + A2)	3.23 Three-Unit Operation (B + A1 + A2)	A



Single Inverter Split

Cooling
Heating

Model	(50Hz)	CS-XE9EKE (CU-XE9EKE)	CS-XE12EKE (CU-XE12EKE)	CS-TE9DKE (CU-TE9DKE)	CS-TE12DKE (CU-TE12DKE)	CS-E9DKEW (CU-E9DKEW)	CS-E12DKEW (CU-E12DKEW)	CS-E15DKEW (CU-E15DKEW)	CS-E18DKEW (CU-E18DKEW)	CS-E21DKES (CU-E21DKES)	CS-E24EKES (CU-E24EKES)	CS-E28EKE (CU-E28EKE)	
Cooling Capacity	kW	2.60 (0.60 - 3.00)	3.50 (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)	7.65 (0.90 - 8.60)	
	kcal/h	2,240 (520 - 2,580)	3,010 (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)	6,580 (770 - 7,400)	
EER	W/W	4.56	3.98	4.48	3.89	4.33	3.63	3.21	3.21	2.85	3.21	3.01	
Heating Capacity	kW	3.60 (0.60 - 6.10)	4.80 (0.60 - 6.70)	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 (0.90 - 9.90)	9.60 (0.90 - 11.00)	
	kcal/h	3,100 (520 - 5,250)	4,130 (520 - 5,760)	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 (770 - 8,510)	8,260 (770 - 9,460)	
COP	W/W	4.44	3.93	4.26	3.64	4.26	3.81	3.50	3.69	3.43	3.23	2.91	
Electrical Data													
Voltage	v	230	230	230	230	230	230	230	230	230	230	230	
Running Current	A	2.8 (3.8)	4.1 (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)	9.7 (12.1)	11.8 (15.3)	
	W	570 (120 - 700)	880 (120 - 1,100)	580 (120 - 720)	900 (120 - 1,160)	600 (175 - 780)	965 (185 - 1,200)	1,370 (215 - 1,600)	1,650 (215 - 2,050)	2,210 (215 - 2,540)	2,120 (350 - 2,700)	2,540 (350 - 2,950)	
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)	43/32 (43/35)	44/37 (44/37)	45/37 (45/37)	47/38 (47/38)	49/38 (48/38)
		Outdoor (Hi)	46 (47)	48 (50)	46 (47)	48 (50)	46 (47)	48 (50)	46 (46)	47 (47)	48 (49)	52 (52)	53 (53)
	Sound Power Level* Indoor (Hi)	dB	50 (51)	53 (53)	50 (51)	53 (53)	50 (51)	53 (53)	54 (54)	57 (57)	58 (58)	60 (60)	62 (61)
		Outdoor (Hi)	59 (60)	61 (63)	59 (60)	61 (63)	59 (60)	61 (63)	59 (59)	60 (60)	61 (62)	66 (66)	67 (67)
Moisture Removal	L/h	1.6	2.0	1.5	2.0	1.6	2.0	2.4	2.9	3.5	3.9	4.5	
Air Circulation (Indoor/Hi)	m ³ /min	10.6 (11.7)	11.9 (12.7)	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)	17.7 (18.7)	
Dimensions Indoor (Outdoor)	Height	mm	305 (540)	305 (540)	298 (540)	298 (540)	280 (540)	280 (540)	280 (750)	275 (750)	275 (750)	275 (795)	275 (795)
		mm	870 (780)	870 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (875)	998 (875)	998 (875)	998 (900)	998 (900)
	Depth	mm	229 (289)	229 (289)	139 (289)	139 (289)	183 (289)	183 (289)	183 (345)	230 (345)	230 (345)	230 (320)	230 (320)
		kg	13 (37)	13 (37)	8 (33)	8 (34)	9 (37)	9 (37)	9 (48)	11 (49.0)	11.0 (51.0)	12.0 (72.0)	12.0 (72.0)
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"	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"	15.88 5/8"
Pipe Extension	Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3	
	Maximum Pipe Length**	m	15	15	15	15	15	15	20	20	30	30	
Power Supply		Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Energy Saving Classification	Cooling Class		A	A	A	A	A	A	A	C	A	B	
	Annual Energy Consumption	kW	285	440	290	450	300	485	685	825	1,105	1,060	1,270
	Heating Class		A	A	A	A	A	A	B	A	B	C	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.

Keep the dust exhaust and ventilation hose on the CU-XE9EKE and CU-XE12EKE within 5 m maximum.

Specifications

Single Inverter Split

Cooling
Heating

Model	(50Hz)	Cooling												
		CS-E15EKEA (CU-E15EKEA)	CS-E18EKEA (CU-E18EKEA)	CS-E21EKEA (CU-E21EKEA)	CS-PE9DKE (CU-PE9DKE)	CS-PE12DKE (CU-PE12DKE)	CS-E15DTEW (CU-E15DTEW)	CS-E18DTEW (CU-E18DTEW)	CS-E21DTEW (CU-E21DTEW)	CS-E15DB4EW (CU-E15DB4EW)	CS-E18DB4EW (CU-E18DB4EW)	CS-E21DB4EW (CU-E21DB4EW)	CS-E15DD3EW (CU-E15DD3EW)	CS-E18DD3EW (CU-E18DD3EW)
Cooling Capacity	kW	4.40 (0.90 - 5.00)	5.30 (0.90 - 6.00)	6.30 (0.90 - 7.10)	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	3,780 (770 - 4,300)	4,560 (770 - 5,160)	5,420 (770 - 6,110)	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	3.21	3.21	2.85	3.42	3.46	3.22	3.01	3.01	3.15	3.14	2.88	3.31	3.15
Heating Capacity	kW	5.50 (0.90 - 7.10)	6.60 (0.90 - 8.00)	7.20 (0.90 - 8.50)	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	4,730 (770 - 6,110)	5,680 (770 - 6,880)	6,190 (770 - 7,310)	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	3.50	3.69	3.43	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	230	230	230
Running Current	A	6.3 7.1	7.5 8.1	9.9 9.3	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	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)	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 - 2,450)	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)	43/32 43/35	44/37 44/37	45/37 45/37	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)	46 46	47 47	48 49	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)	54 54	57 57	58 58	53 53	53 53	58 58	59 60	60 60	60 60	47 48	49 50	54 55	49 51	57 57
Outdoor (Hi)	59 59	60 60	61 62	59 60	61 63	59 60	60 61	61 62	58 60	60 61	62 62	59 60	59 60	60 61
Moisture Removal	L/h	2.4	2.9	3.5	1.4	1.8	2.4	2.8	3.2	2.3	2.6	3.3	2.3	2.8
External Static Pressure (mmAq)		—	—	—	—	—	—	—	—	—	—	25 (2.55)	25 (2.55)	—
Air Circulation (Indoor/Hi)	m ³ /min	11.0 11.8	15.2 16.7	16.2 17.3	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 (750)	275 (750)	275 (750)	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 (875)	998 (875)	998 (875)	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 (345)	230 (345)	230 (345)	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	9 (48)	11 (49)	11 (51)	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"	6.35 1/4"	6.35 1/4"	6.35 1/4"
Gas Side	mm inch	12.70 1/2"	12.70 1/2"	12.70 1/2"	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	3	3	3
Maximum Pipe Length***	m	15	20	20	15	15	20	20	20	20	20	20	20	20
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Energy Saving Classification	Cooling Class	A	A	C	A	A	A	B	B	B	B	C	A	B
	Annual Energy Consumption	685	825	1,105	365	455	645	830	965	650	765	1,025	620	810
	Heating Class	B	A	B	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

Cooling
Heating

Model	(50Hz)	Cooling										
		CS-W7DKE (CU-W7DKE)	CS-W9DKE (CU-W9DKE)	CS-W12DKE (CU-W12DKE)	CS-W18DKE (CU-W18DKE)	CS-W24DKE (CU-W24DKE)	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	2.65	3.40	5.10	3.60	5.20	6.90
	kcal/h	1,980	2,370	3,100	4,560	6,050	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	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	2.85	3.80	5.30	3.95	5.80	7.65
	kcal/h	2,110	2,620	3,350	4,660	6,450	2,450	3,260	4,560	3,400	4,990	8,580
COP	W/W	3.63	3.61	3.61	3.27	2.87	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
Running Current	A	3.2 3.0	3.8 3.8	5.1 4.9	7.4 7.4	13.1 12.5	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	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)	34/26 36/26	36/26 39/26	39/29 40/29	43/38 42/38	47/41 46/41	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)	46 48	48 49	49 49	54 55	54 55	48 49	49 50	55 55	49 49	55 56	60 61
	Sound Power Level*											
Indoor (Hi)	47 49	49 52	52 53	55 53	59 57	49 49	50 50	58 56	52 52	58 58	60 60	
Outdoor (Hi)	61 63	63 64	64 65	68 69	69 70	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	1.6	1.9	2.9	2.1	2.9	3.9
Air Circulation (Indoor/Hi)	m ³ /min	7.9 9.1	8.6 9.7	9.5 9.7	15.3 16.0	17.4 18.2	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)	280 (540)	280 (540)	275 (540)	540 (540)	540 (685)	540 (685)
Width	mm	799 (650)	799 (650)	799 (780)	998 (875)	998 (875)	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)	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)	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"
Gas Side	mm inch	9.52 3/8"	9.52 3/8"	12.70 1/2"	12.70 1/2"	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
Maximum Pipe Length***	m	10	10	15	25	25	10	15	25	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	E	A	A	C	B	B	E
	Annual Energy Consumption	355	430	560	825	1,390	415	530	875	575	845	1,375
	Heating Class	A	A	A	C	D	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

Model		(50Hz)	CS-V7DKE (CU-V7DKE)	CS-V9DKE (CU-V9DKE)	CS-V12DKE (CU-V12DKE)	CS-V18DKE (CU-V18DKE)	CS-V24DKE (CU-V24DKE)	CS-V28EKE (CU-V28EKE)	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	7.91	3.52	5.30	7.03	
	kcal/h		2,060	2,580	3,160	4,560	6,050	6,800	3,030	4,530	6,050	
EER	W/W		3.24	3.21	3.23	3.25	2.70	3.22	3.20	3.17	2.58	
Electrical Data												
Voltage	V		230	230	230	230	230	230	230	230	230	
Running Current	A		3.4	4.2	5.3	7.3	12.3	11.3	4.9	7.5	13.1	
Power Input	W		740	935	1,140	1,630	2,600	2,460	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	49/44	39/33	45/39	47/42	
	Outdoor (Hi)	dB(A)	46	48	49	54	54	55	49	55	60	
	Sound Power Level*											
	Indoor (Hi)	dB	46	48	52	54	59	62	52	56	60	
Outdoor (Hi)	dB	61	63	64	69	69	70	63	68	73		
Moisture Removal	L/h		1.5	1.7	2.1	2.9	4.0	4.6	2.0	2.9	3.5	
Air Circulation (Indoor/Hi)	m ³ /min		7.8	8.5	9.5	14.8	16.9	20.1	9.7	12.2	12.9	
Dimensions Indoor (Outdoor)												
Height	mm		280 (510)	280 (540)	280 (540)	275 (750)	275 (750)	340 (750)	540 (540)	540 (685)	540 (685)	
Width	mm		799 (650)	799 (780)	799 (780)	998 (875)	998 (875)	1,150 (875)	1,028 (780)	1,028 (800)	1,028 (800)	
Depth	mm		183 (230)	183 (289)	183 (289)	230 (345)	230 (345)	260 (345)	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)	18.0 (62.0)	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"	
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"	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	
Maximum Pipe Length**	m		10	10	15	25	25	30	15	25	25	
Power Supply			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	
Energy Saving Classification	Cooling Class		A	A	A	A	D	A	B	B	E	
	Annual Energy Consumption kW		370	470	570	815	1,300	1,230	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-3E18EBE	CU-3E23CBPG	CU-4E27CBPG
Indoor-units Combination			2.2 kW + 2.2 kW	3.2 kW + 3.2 kW	2.2 kW + 2.8 kW + 4.0 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)	5.2 (1.8 - 7.3)	6.8 (2.8 - 8.4)	8.0 (3.0 - 9.2)
Electrical Data							
Running Current	A		5.75	7.10	5.40	8.50	8.70
Power Input	W		1,230 (250 - 1,350)	1,520 (250 - 1,580)	1,220 (360 - 2,180)	1,950 (490 - 2,800)	1,980 (530 - 2,870)
EER	W/W		3.66	3.42	4.26	3.49	4.04
Noise							
Sound Pressure Level	dB(A)		47	49	46	48	48
Sound Power Level	dB		62	64	59	61	61
Heating Operation							
Capacity	kW		5.4 (1.1 - 7.0)	5.6 (1.1 - 7.2)	6.8 (1.6 - 8.3)	8.6 (3.5 - 9.1)	9.4 (4.2 - 10.6)
Electrical Data							
Running Current	A		5.20	5.35	6.30	8.30	9.10
Power Input	W		1,170 (210 - 1,670)	1,210 (210 - 1,700)	1,420 (320 - 2,110)	1,880 (560 - 2,710)	2,080 (700 - 3,060)
COP	W/W		4.62	4.63	4.79	4.57	4.52
Noise							
Sound Pressure Level	dB(A)		49	51	47	49	49
Sound Power Level	dB		64	66	60	62	62
Maximum Current	A		12.0	12.0	17.5	18.5	19.0
Starting Current	A		5.75	7.10	6.30	8.50	9.10
Compressor Output	W		1,200	1,500	1,500	1,900	2,200
Fan Output	W		40	40	50	53	51
Circuit Breaker Ratio	A		15	15	20	20	20
Dimensions							
Height	mm		540	540	735	735	908
Width	mm		780 (+70)	780 (+70)	826 (+73)	826 (+110)	900
Depth	mm		289	289	300	300	320
Net Weight	kg		38	38	49	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	3 - 25
Maximum Pipe Length (Total room)**	m		30	30	50	50	70
Refrigerant Pipe Diameter							
Liquid Side	mm		6.35	6.35	6.35	6.35	6.35
Gas Side	mm		9.52	9.52	9.52	9.52	9.52
Energy Saving Classification	Cooling Class		A	A	A	A	A
	Annual Energy Consumption kW		615	760	610	975	990
	Heating Class		A	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 : 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), ϕ 1.5 mm ²				
Refrigerant Pipe Diameter					
Liquid Side mm	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	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), ϕ 1.5 mm ²		
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-ME7EB1E (2.2 kW class)	CS-ME10EB1E (2.8 kW class)	CS-ME12EB1E (3.2 kW class)	CS-ME14EB1E (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	30	30	30	30
Dimensions				
Height mm	185	185	185	185
Width mm	770	770	770	770
Depth mm	360	360	360	360
Net Weight kg	9.8	9.8	9.8	10.5
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²			
Refrigerant Pipe Diameter				
Liquid Side mm	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52	9.52

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), ϕ 1.5 mm ²	
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 m ³ /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), ϕ 1.5 mm ²		
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

CU-2E15CBPG

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

	Indoor Units Capacity	COOLING OPERATION						HEATING OPERATION						
		Cooling Capacity			Running Current	Power Input	Cooling Class	A.E.C.#	Heating Capacity			Running Current	Power Input	Heating Class
		Room A	Room B	Total					Room A	Room B	Total			
1 room	2.2	2.20	-	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	A	260	3.20	-	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	A
	2.8	2.80	-	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	A	375	4.00	-	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	B
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	A	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,350)	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 - 1,540)	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-3E18EBE

	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					Total	Room A	Room B				Room C	Total
1 room	2.2	2.20	-	-	2.20 (1.8 - 2.9)	2.50	500 (340 - 810)	A	250	3.20	-	-	3.20 (1.2 - 4.1)	3.70	740 (300 - 1,230)	A
	2.8	2.80	-	-	2.80 (1.8 - 2.9)	3.30	700 (340 - 810)	A	350	4.00	-	-	4.00 (1.2 - 4.3)	5.00	1,050 (300 - 1,230)	A
2 rooms	3.2	3.20	-	-	3.20 (1.8 - 3.8)	3.70	800 (340 - 1,360)	A	400	4.50	-	-	4.50 (1.2 - 5.8)	5.80	1,230 (300 - 2,100)	A
	4.0	4.00	-	-	4.00 (1.8 - 4.3)	5.60	1,240 (340 - 1,990)	A	620	5.60	-	-	5.60 (1.2 - 6.8)	7.70	1,720 (300 - 2,930)	C
	2.2 + 2.2	2.20	2.20	-	4.40 (1.9 - 6.2)	4.90	1,110 (350 - 2,100)	A	555	2.90	2.90	-	5.80 (1.4 - 7.0)	6.40	1,450 (310 - 2,550)	A
	2.2 + 2.8	2.20	2.80	-	5.00 (1.9 - 6.2)	6.20	1,410 (350 - 2,100)	A	705	2.85	3.55	-	6.40 (1.4 - 7.0)	7.60	1,720 (310 - 2,550)	A
	2.2 + 3.2	2.10	3.10	-	5.20 (1.9 - 6.3)	6.60	1,490 (350 - 2,110)	A	745	2.85	3.95	-	6.80 (1.4 - 7.3)	8.20	1,840 (310 - 2,520)	A
	2.2 + 4.0	1.85	3.35	-	5.20 (1.9 - 6.4)	6.40	1,450 (350 - 2,110)	A	725	2.45	4.35	-	6.80 (1.4 - 7.3)	7.90	1,800 (310 - 2,510)	A
	2.2 + 5.0	1.60	3.60	-	5.20 (1.9 - 6.8)	5.70	1,290 (350 - 2,150)	A	645	2.10	4.70	-	6.80 (1.4 - 8.0)	6.70	1,520 (310 - 2,200)	A
	2.8 + 2.8	2.40	2.60	-	5.00 (1.9 - 6.2)	6.80	1,480 (350 - 2,100)	A	770	3.40	3.40	-	6.80 (1.4 - 7.0)	8.50	1,920 (310 - 2,550)	B
	2.8 + 3.2	2.45	2.75	-	5.20 (1.9 - 6.3)	6.50	1,480 (350 - 2,110)	A	740	3.20	3.60	-	6.80 (1.4 - 7.3)	8.00	1,840 (310 - 2,520)	A
	2.8 + 4.0	2.15	3.05	-	5.20 (1.9 - 6.4)	6.40	1,440 (350 - 2,110)	A	720	2.85	3.95	-	6.80 (1.4 - 7.3)	8.00	1,800 (310 - 2,510)	A
	2.8 + 5.0	1.85	3.35	-	5.20 (1.9 - 6.8)	5.70	1,290 (350 - 2,150)	A	645	2.45	4.35	-	6.80 (1.4 - 8.0)	6.70	1,520 (310 - 2,200)	A
	3.2 + 3.2	2.60	2.60	-	5.20 (1.9 - 6.4)	6.40	1,450 (350 - 2,110)	A	725	3.40	3.40	-	6.80 (1.4 - 7.5)	7.70	1,750 (310 - 2,490)	A
	3.2 + 4.0	2.30	2.90	-	5.20 (1.9 - 6.5)	6.30	1,410 (350 - 2,120)	A	705	3.05	3.75	-	6.80 (1.4 - 7.5)	7.80	1,750 (310 - 2,470)	A
	3.2 + 5.0	2.05	3.15	-	5.20 (1.9 - 6.9)	5.50	1,250 (350 - 2,150)	A	625	2.65	4.15	-	6.80 (1.4 - 8.0)	6.60	1,500 (310 - 2,180)	A
	4.0 + 4.0	2.60	2.60	-	5.20 (1.9 - 6.5)	6.20	1,410 (350 - 2,120)	A	705	3.40	3.40	-	6.80 (1.4 - 7.6)	7.50	1,710 (310 - 2,470)	A
	4.0 + 5.0	2.30	2.90	-	5.20 (1.9 - 6.9)	5.50	1,250 (350 - 2,160)	A	625	3.00	3.80	-	6.80 (1.4 - 8.0)	6.60	1,500 (310 - 2,170)	A
	2.2 + 2.2 + 2.2	1.73	1.73	1.73	5.20 (1.9 - 7.2)	5.40	1,240 (360 - 2,170)	A	620	2.26	2.26	2.26	6.78 (1.5 - 8.1)	6.70	1,530 (320 - 2,120)	A
	2.2 + 2.2 + 2.8	1.59	1.59	2.02	5.20 (1.9 - 7.2)	5.40	1,240 (360 - 2,170)	A	620	2.10	2.10	2.60	6.80 (1.5 - 8.1)	6.70	1,530 (320 - 2,120)	A
	2.2 + 2.2 + 3.2	1.51	1.51	2.19	5.20 (1.9 - 7.2)	5.40	1,230 (360 - 2,180)	A	615	2.00	2.00	2.80	6.80 (1.4 - 8.3)	6.50	1,490 (320 - 2,110)	A
	2.2 + 2.2 + 4.0	1.36	1.36	2.48	5.20 (1.8 - 7.3)	5.40	1,230 (360 - 2,180)	A	615	1.80	1.80	3.20	6.80 (1.6 - 8.3)	6.40	1,460 (320 - 2,110)	A
	2.2 + 2.8 + 2.8	1.47	1.87	1.87	5.20 (1.9 - 7.2)	5.40	1,240 (360 - 2,170)	A	620	1.95	2.45	2.45	6.80 (1.5 - 8.1)	6.70	1,530 (320 - 2,120)	A
	2.2 + 2.8 + 3.2	1.40	1.78	2.03	5.20 (1.9 - 7.2)	5.40	1,230 (360 - 2,180)	A	615	1.85	2.30	2.60	6.80 (1.4 - 8.3)	6.50	1,490 (320 - 2,110)	A
	2.2 + 2.8 + 4.0	1.27	1.62	2.31	5.20 (1.8 - 7.3)	5.40	1,220 (360 - 2,180)	A	610	1.70	2.10	3.00	6.80 (1.6 - 8.3)	6.50	1,420 (320 - 2,110)	A
	2.2 + 3.2 + 3.2	1.33	1.93	1.93	5.20 (1.8 - 7.3)	5.40	1,220 (360 - 2,180)	A	610	1.80	2.50	2.50	6.80 (1.6 - 8.3)	6.30	1,430 (320 - 2,100)	A
	2.8 + 2.8 + 2.8	1.73	1.73	1.73	5.19 (1.9 - 7.2)	5.40	1,240 (360 - 2,170)	A	620	2.25	2.25	2.25	6.80 (1.5 - 8.1)	6.70	1,530 (320 - 2,120)	A
	2.8 + 2.8 + 3.2	1.65	1.65	1.89	5.20 (1.9 - 7.2)	5.40	1,230 (360 - 2,180)	A	615	2.20	2.20	2.45	6.80 (1.4 - 8.3)	6.50	1,490 (320 - 2,110)	A

CU-3E23CBPG

	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					Total	Room A	Room B				Room C	Total
1 room	2.2	2.20	-	-	2.20 (1.9 - 2.7)	2.25	450 (380 - 620)	A	225	3.20	-	-	3.20 (1.7 - 4.1)	3.85	840 (370 - 1,310)	A
	2.8	2.80	-	-	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	A	310	4.00	-	-	4.00 (1.7 - 4.3)	5.40	1,210 (370 - 1,400)	C
2 rooms	3.2	3.20	-	-	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	A	360	4.50	-	-	4.50 (1.7 - 5.7)	5.85	1,310 (370 - 1,910)	B
	4.0	4.00	-	-	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,390)	A	515	5.60	-	-	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 2,920)	D
	5.0	5.00	-	-	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	B	805	7.10	-	-	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 2,890)	F
	2.2 + 2.2	2.20	2.20	-	4.40 (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							

Specifications

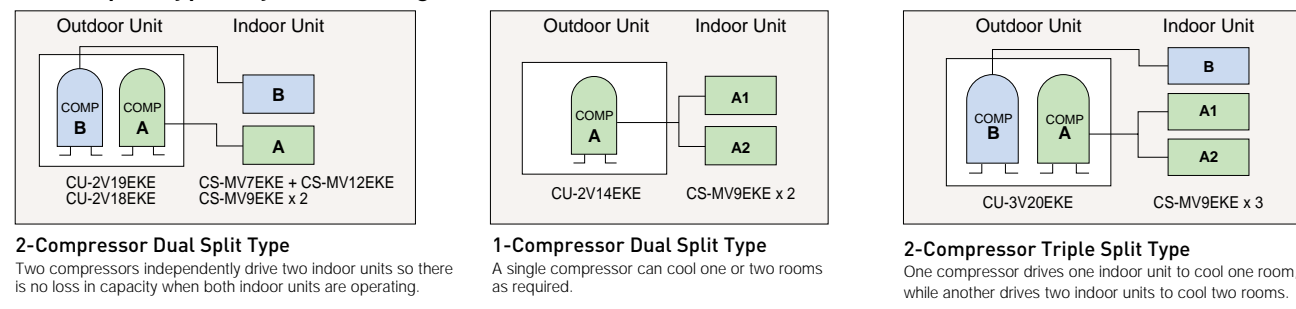
Multi Split

Model	(50Hz)	CS-MV9EKEx2 (CU-2V14EKE)		CS-MV9EKEx2 (CU-2V18EKE)		Unit B: CS-MV7EKE Unit A: CS-MV12EKE (CU-2V19EKE)			
		1 Unit	2 Units	1 Unit	2 Units	1 Unit B	1 Unit A	2 Units B+A	
Operation									
Cooling Capacity	kW	2.94	3.63	2.65	5.30	2.06	3.48	5.54	
	kcal/h	2,530	3,120	2,280	4,560	1,770	2,990	4,760	
EER	W/W	2.49	2.93	3.05	3.05	2.86	2.83	3.01	
Electrical Data	Voltage	V	230	230	230	230	230	230	
	Running Current	A	5.3	5.6	4.0	8.0	3.2	5.5	8.3
	Power Input	W	1,180	1,240	870	1,740	720	1,230	1,840
Noise	Sound Pressure Level	Indoor (Hi/Lo)	dB(A)		36/26	36/26	33/26	39/29	B 33/26 A 39/29
		Outdoor (Hi)	dB(A)		47	47	55	55	55
	Sound Power Level*	Indoor (Hi)	dB		49	49	46	52	B 46 A 52
		Outdoor (Hi)	dB		62	62	70	70	70
Moisture Removal	L/h	1.7	2.1	1.6	2.9	1.3	2.0	3.0	
Air Circulation (Indoor/Hi)	m ³ /min	9.1		9.1		7.9	9.6	B 7.9 A 9.6	
Dimensions Indoor (Outdoor)	Height	mm		280 (540)		280 (651)		280 (651)	
	Width	mm		799 (760)		799 (893)		799 (893)	
	Depth	mm		183 (250)		183 (345)		183 (345)	
Net Weight Indoor (Outdoor)	kg	9 (34)		9 (64)		9 (66)		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		3	
	Maximum Pipe Length**	m		15		15		15	
Power Supply		Outdoor		Outdoor		Outdoor		Outdoor	
Energy Saving Classification	Cooling Class	E	C	B	B	C	C	B	
	Annual Energy Consumption kW	590	620	435	870	360	615	920	

Multi Split

Model	(50Hz)	Unit B, A1, A2: CS-MV9EKEx3 (CU-3V20EKE)						
		1 Unit B	1 Unit A1 or A2	2 Units B+A1 or A2	2 Units A1+A2	3 Units B+A1+A2		
Operation								
Cooling Capacity	kW	2.68	2.89	5.57	3.74	6.42		
	kcal/h	2,300	2,490	4,790	3,220	5,520		
EER	W/W	2.95	2.58	2.87	3.12	3.23		
Electrical Data	Voltage	V	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
		Outdoor (Hi)	dB(A)		56	56	56	56
	Sound Power Level*	Indoor (Hi)	dB		49	49	49	49
		Outdoor (Hi)	dB		71	71	71	71
Moisture Removal	L/h	1.6	1.7	3.0	2.2	3.6		
Air Circulation (Indoor/Hi)	m ³ /min	9.1	9.1	9.1	9.1	9.1		
Dimensions Indoor (Outdoor)	Height	mm		280 (651)		280 (651)		
	Width	mm		799 (893)		799 (893)		
	Depth	mm		183 (345)		183 (345)		
Net Weight Indoor (Outdoor)	kg	9 (66)		9 (66)		9 (66)		
Refrigerant Pipe Diameter	Liquid Side	mm inch		6.35 1/4"		6.35 1/4"		
	Gas Side	mm inch		9.52 3/8"		9.52 3/8"		
Pipe Extension Minimum Pipe Length	m	3		3		3		
	Maximum Pipe Length**	m		15		15		
Power Supply		Outdoor		Outdoor		Outdoor		
Energy Saving Classification	Cooling Class	C	E	C	B	A		
	Annual Energy Consumption kW	455	560	970	600	995		

Multi Split Type : System Configuration




* 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

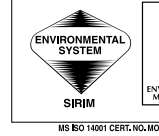


CERTIFIED TO MS ISO 9002: 1994
Panasonic HA Air-Conditioning (M) Sdn. Bhd. (PHAAAM)
Registration No.: AR 0866




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



CERTIFIED TO MS ISO 14001: 1997
Panasonic HA Air-Conditioning (M) Sdn. Bhd. (PHAAAM)
Certification No.: M015802127



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

Feature Explanations

Healthy Air Quality

AC Robot (Auto Cleaning Robot)

Automatically removes dust from the filter and exhausts it outside the unit to keep the inside clean.



The vacuum nozzle slides over the filter after each use* to vacuum the dust and exhaust it outside automatically.

*The size of the area to be cleaned is determined based on cumulative operating hours and fan speed.

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 collect 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.

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.

Ventilation Control

You can ventilate the room by simply pressing the remote control button. Dirty air is carried outside to keep the room fresh and clean.

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.

Press a **QUIET** button
3dB Down



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.

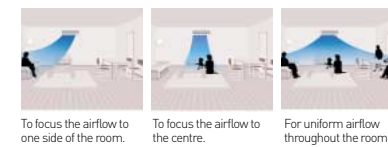
Personal Airflow Creation

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



Left & Right Airflow — 5 Patterns + Auto



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

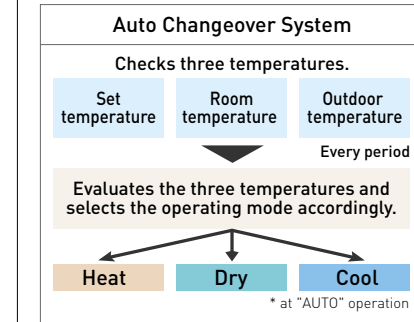
Economy mode uses up to 25%* less energy than normal mode.

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

Low Ambient Cooling

Room cooling is possible even when the outside temperature drops as low as -15°C. This unit is designed to withstand conditions where cooling is required even during cold winter months, such as in computer rooms where the equipment heat must be controlled.

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

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)

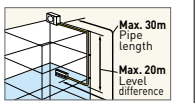
Reliable

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.

Feature Comparison

<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 10px; background-color: #f4a460; margin-right: 5px;"></div> Heat Pump Models <div style="width: 15px; height: 10px; background-color: #a4c6f4; margin-left: 10px; margin-right: 5px;"></div> Cooling Models </div>		Single Inverter Split								Multi Inverter Split					Single Split								Multi Split			
		Wall-Mounted				Floor or Ceiling	Cassette (4-way)	Hide-Away	Wall-Mounted	Floor or Ceiling	Cassette (1-way)	Cassette (4-way)	Hide-Away	Wall-Mounted				Floor or Ceiling	Wall-Mounted							
		CS-XE9EKE CS-XE12EKE	CS-TE9DKE CS-TE12DKE	CS-E9DKEW CS-E12DKEW CS-E15EKEA CS-E15DKEW	CS-E18DKEW CS-E21DKES CS-E18EKEA CS-E21EKEA CS-E24EKES CS-E28EKE	CS-PE9DKE CS-PE12DKE	CS-E15DTEW CS-E18DTEW CS-E21DTEW	CS-E15DB4EW CS-E18DB4EW CS-E21DB4ES CS-E15DD3EW	CS-E18DD3EW	CS-ME7DKEG CS-E9DKEW CS-E12DKEW CS-E15DKEW	CS-E18DKEW	CS-ME10DTEG CS-E15DTEW CS-E18DTEW	CS-ME7EB1E CS-ME10EB1E CS-ME12EB1E CS-ME14EB1E	CS-E15DB4EW CS-E18DB4EW	CS-ME10D3EG CS-E15D3EW CS-E18D3EW	CS-W7DKE CS-W9DKE CS-W12DKE	CS-V7DKE CS-V9DKE CS-V12DKE	CS-W18DKE CS-W24DKE	CS-V18DKE CS-V24DKE	CS-V28EKE	CS-PW9DKE CS-PW12DKE	CS-PW18DKE	CS-W12CTP CS-W18CTP CS-W24CTP	CS-V12CTP CS-V18CTP CS-V24CTP	CS-MV7EKE CS-MV9EKE CS-MV12EKE	
Healthy Air Quality	Auto Filter Cleaning Function	•																								
	Ion Freshener		•	•	•					•	•				•	•	•	•	•						•	
	Supersonic Air Purifying System			•	•					•	•				•	•	•	•	•						•	
	SUPER alleru-buster filter (long-life)	•	•	•	•	(Option)	(Option)	(Option)							•	•	•	•	•	(Option)	(Option)				•	
	Air Quality Indicator																			•						
	Anti-Mould, One-Touch Air Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Odour-Removing Function	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Removable, Washable Panel	•	•	•	•	•									•	•	•	•	•	•	•					•
Ventilation Control	•																									
Comfortable	Inverter Control	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Quiet Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	
	Powerful Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	
	Soft Dry Operation Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Personal Airflow Creation	•		•	•					•	•						•	•	•						•	
	Airflow Direction Control (Up & Down)		•			•	•	•							•	•				•	•	•	•	•	•	
	Sleep Mode																					•	•			
	Economy Mode																									
	Auto Changeover (Inverter)	•	•	•	•	•	•	•	•	•	•	•	•	•												
	Auto Changeover														•		•			•	•	•	•	•	•	
	Automatic Operation Mode (Cooling)															•		•	•					•	•	
	Hot Start Control	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	
Circulation Operation Mode															•		•	•				•	•	•		
Low Ambient Cooling			• (E15EKEA)	• (E18EKEA) • (E21EKEA)																						
Convenient	24-Hour ON&OFF Real Setting Timer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	12-Hour ON&OFF Timer					•														•		•	•			
	LCD Wireless Remote Controller	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Bilingual Sticker	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Reliable	Random Auto Restart	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Long Piping	15m	15m	15m	20m(E18/E21) 30m(E24/E28)	15m	20m	20m	20m	30m/20m*(E15/18) 50m/25m*(E18/23) 70m/25m*(E27)	30m/20m*(E15/18) 50m/25m*(E18/23) 70m/25m*(E27)	30m/20m*(E15/18) 50m/25m*(E18/23) 70m/25m*(E27)	30m/20m*(E15/18) 50m/25m*(E18/23) 70m/25m*(E27)	30m/20m*(E15/18) 50m/25m*(E18/23) 70m/25m*(E27)	10m(W7/W9) 15m(W12)	10m(V7/V9) 15m(V12)	25m	25m	30m	10m(PW9) 15m(PW12)	25m	15m(W12) 25m(W18/W24)	15m(V12) 25m(V18/V24)	15m(Total)		
	Top-Panel Maintenance Access	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Self-Diagnostic Function	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

* Total room / One room