

Panasonic
ideas for life

Air Conditioners



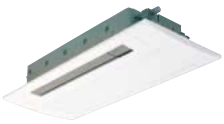
e-ion Air Purifying System & **INVERTER**



Model Line-Up Choose the Best Inverter — Panasonic —

Single Inverter Split 			
Wall-Mounted			
Indoor	Deluxe 	Deluxe Wide 	Deluxe Slim
	 p.14	 p.14	 p.14
Capacity (kW)	2.0 CS-E7GKEW (CU-E7GKE)  2.5 CS-E9GKEW (CU-E9GKE)  3.5 CS-E12GKEW (CU-E12GKE)  4.5 CS-E15GKEW (CU-E15GKE)  5.0 6.0 6.5 8.0	 CS-E18GKEW (CU-E18GKE)  CS-E21GKES (CU-E21GKE) CS-E24GKES (CU-E24GKE) CS-E28GKE (CU-E28GKE)	 CS-TE9DKE (CU-TE9DKE)  CS-TE12DKE (CU-TE12DKE) 
Air Quality Features	 	 	 

Single Inverter Split 			
Floor Console		Floor or Ceiling	Cassette (4-way)
Indoor		 p.17	 p.17
Capacity (kW)	2.5 CS-E9GFEW (CU-E9GFE)  3.5 CS-E12GFEW (CU-E12GFE)  4.5 5.0 CS-E18GFEW (CU-E18GFE)  6.0	 CS-E15DTEW (CU-E15DBE)  CS-E18DTEW (CU-E18DBE) CS-E21DTES (CU-E21DBE)	 CS-E15DB4EW (CU-E15DBE) CS-E18DB4EW (CU-E18DBE) CS-E21DB4ES (CU-E21DBE)
Air Quality Features		 (option)	 (option)

Multi Inverter Split 				
Wall-Mounted		Floor Console	Floor or Ceiling	Cassette (1-way)
Indoor	Deluxe 		 p.18-p.19	 p.18-p.19
Capacity (kW)	2.2 CS-E7GKEW 2.8 CS-E9GKEW 3.2 CS-E12GKEW 4.0 CS-E15GKEW 5.0 CS-E18GKEW	2.2-3.2 CS-E9GFEW 3.2-4.0 CS-E12GFEW 4.0-5.0 CS-E18GFEW	2.2-3.2 CS-ME10DTEG 4.0-5.0 CS-E15DTEW CS-E18DTEW	2.2-3.2 CS-ME7EB1E 3.2-4.0 CS-ME10EB1E 4.0-5.0 CS-ME12EB1E CS-ME14EB1E
Air Quality Features	 		 (option)	



All models use a new R410A refrigerant.

Energy-Efficiency Classification
Most efficient level : A

COOLING A 3.20 < EER

Refer to page 20 for information on Energy-Efficiency Classification.

Deluxe (Low Ambient Cooling)	Standard NEW	Standard Wide NEW
		
p.15	p.16	p.16
	CS-RE9GKE (CU-RE9GKE) A	
	CS-RE12GKE (CU-RE12GKE) A	
CS-E15EKEA (CU-E15EKEA) A		CS-RE18GKE (CU-RE18GKE)
CS-E18EKEA (CU-E18EKEA) A		CS-RE24GKE (CU-RE24GKE)
CS-E21EKEA (CU-E21EKEA)		
  ION 		

Hide-Away	Single Split Wall-Mounted	
	Indoor	Standard Wide NEW
p.17		
	p.20	p.20
CS-E15DD3EW (CU-E15DBE) A	Capacity (kW) 2.5 CS-PW9GKE (CU-PW9GKE) A	
CS-E18DD3EW (CU-E18DBE)	3.5 CS-PW12GKE (CU-PW12GKE) A	
	4.5	
	5.0	CS-PW18GKE (CU-PW18GKE)
	6.0	
	Air Quality Features  (option)	 (option)

Cassette (4-way)	Hide-Away	Outdoor	2 rooms	3 rooms	4 rooms NEW
					
p.18-p.19	p.18-p.19		NEW CU-2E15GBE A (4.4-5.0kW)	CU-3E18EBE A (5.0-8.4kW)	CU-4E23GBE
	CS-ME10DD3EG		CU-2E18CBPG A (4.4-6.4kW)	CU-3E23CBPG A (5.0-10.0kW)	
CS-E15DB4EW CS-E18DB4EW	CS-E15DD3EW CS-E18DD3EW				CU-4E27CBPG A (5.0-13.6kW)
 (option)					

See the table on page 19 for indoor unit and outdoor unit combinations.



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.

e-ion Air Purifying System with Patrol Sensor

A revolutionary new mechanism catches dust particles and brings them back to the filter, working with the Patrol Sensor to thoroughly clean the air.

Industry first^{*1}



03

Dust is negatively charged and airborne bacteria and mould are inactivated

■ Total Clean Mechanism

01

Detects the Dirt
Patrol Sensor

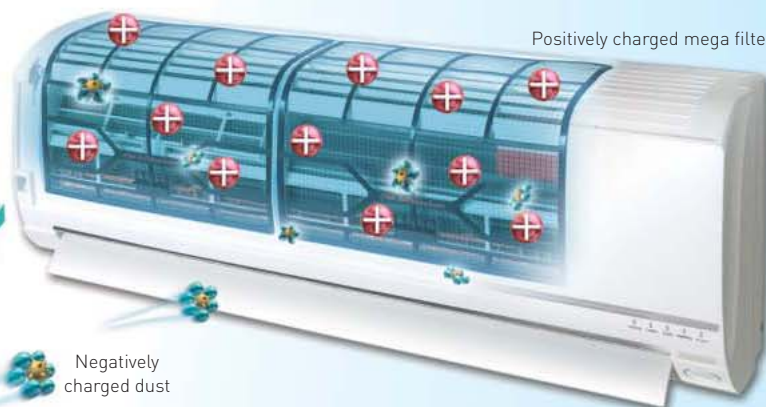
02

Shoots and Catches
Active e-ion
Generator

^{*1} For an air conditioner with a dust collection system that releases negative ions from an ion generator to negatively charge dust particles and then collect them with the entire surface of a positively charged filter. (As of November, 2006)



Electrically collected
by the e-ion filter



Positively charged mega filter

Negatively
charged dust

3 trillion^{*2}
Active e-ions



Sensor monitors
air quality



Active e-ions are
discharged

03

Charges and Inactivates
Active e-ion

04

Captures Electrically
**Positively Charged
Mega Filter**

**Faster dust collection
than ever before!
About 5 times more efficient.**

*2 3 trillion is the simulated number of active e-ions under the mentioned conditions.
Actual measured active e-ions at the centre of the room (13m²): 100k/cc
Calculated number of active e-ions in the entire room assuming they are evenly distributed.

Patrol Sensor

A sensor monitors dirt in a room 24 hours a day!

Air is monitored both during air conditioner operation and when it's switched off. When dirt is detected, the air purifying function is started to immediately clean the air in the room.

How It Works

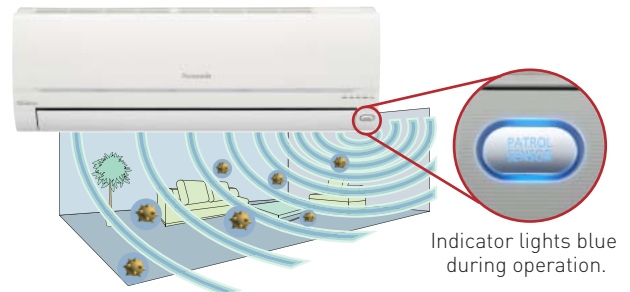
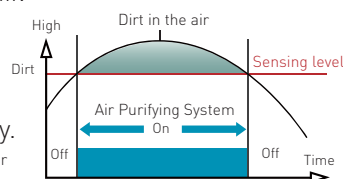
■ Monitoring

Whether the air conditioner is operating or not, the sensor constantly monitors dirt in the air.

■ Detection

The sensor measures the dirt in the air, and above a certain level the air is judged to be dirty.

If dirt concentration exceeds the sensing level, the Air Purifying System is switched on.

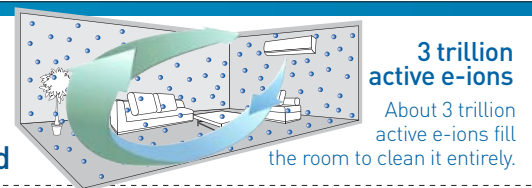


This kind of dirt is detected



Active e-ion

Shot out to catch and inactivate airborne bacteria and mould



Active e-ions have two actions

Negative Charging

Negatively charges dust particles for effective collection.

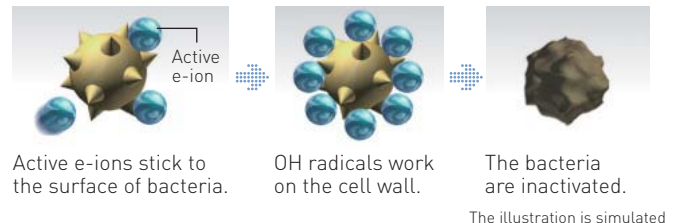
Inactivating

Inactivates bacteria and mould to make them harmless.

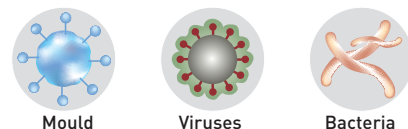
Inactivating Effect

■ Active e-ion: inactivating mechanism

The same inactivating mechanism for mould and viruses.



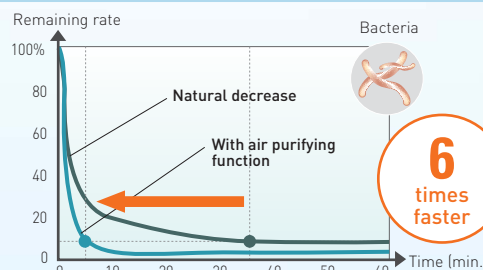
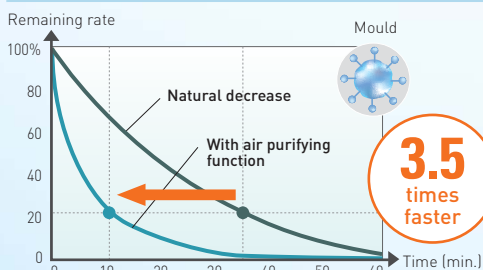
■ Target substances



*99% inactivation was certified as indicated below.
Certified by Japan Food Research Laboratories
•Test report number: No. 205010211-001 Bacteria: *Staphylococcus aureus* subsp. *aureus* (NBRC12732) •Test report number: No. 204101750-001 Virus: Influenza virus A

Inactivates more than **99%***

Removal performance | Change in airborne mould and bacteria



Measurement conditions

Certified by Japan Food Research Laboratories
Test report number: 304110078-001
Test method: The e-ion Air Purifying System was operated in a test room (10m²) and changes in airborne mould and bacteria were measured by means of the Air Sampler Method (MAS100).

Mega e-ion Filter

Big and electric – that's why the dust can't escape!

Using the force of attraction between positive and negative charges, the e-ion Filter – which is 7 times bigger and finer than ever – powerfully captures dust particles.

8
patents*
applied for

Only
from ^{*1}
Panasonic

*Panasonic has applied for 8 patents relate to e-ion Air Purifying technology. [As of November, 2006]



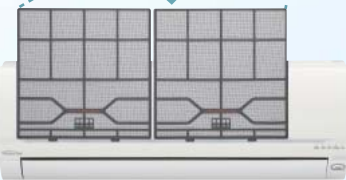
Thorough Collection with a Bigger, Finer Filter

The mega size air purifying filter covers almost the same area as the intake grille to prevent dust from escaping.

Conventional



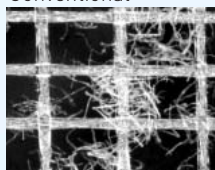
e-ion Filter



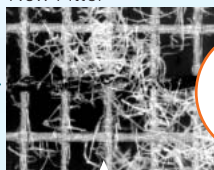
The filter covers the entire grille area.

Ultra-fine mesh

Conventional



New Filter

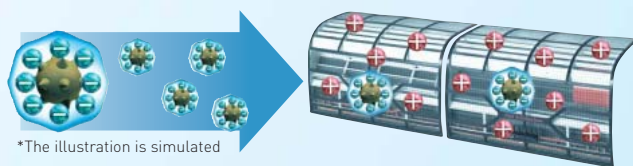


50%
finer

Also captures microscopic dust (100~1,000µm)

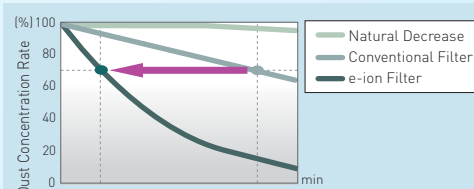
More Effective Collection with Electric Action

The entire filter is positively charged to powerfully attract negatively charged dust.



*The illustration is simulated

Changes in dust concentration



*Panasonic in-house investigation.

About
5
times*² more
efficient

Electric charging



Electric Induction Fibres extend across the entire area of the filter.

- 1 Active e-ion Power Module
- 2 Positive Charging Electric Wire
- 3 Electric Induction Fibres positively charge the entire filter.

*1 For an air conditioner with a dust collection system that releases negative ions from an ion generator to negatively charge dust particles and then collect them with the entire surface of a positively charged filter. [As of November, 2006]
*2 After 5 cigarettes were smoked in a roughly 20m³ room, air conditioner operation was started and the decrease in particulate concentration was measured with a dust meter.

Inverter Technology

INVERTER

Advanced Inverter Performance —The Difference in Power and Comfort

The inverter circuit provides optimum power control and extremely efficient operation by changing the frequency of the power supply. So even though you get speedy, flexible operation, you use less electricity than conventional units.

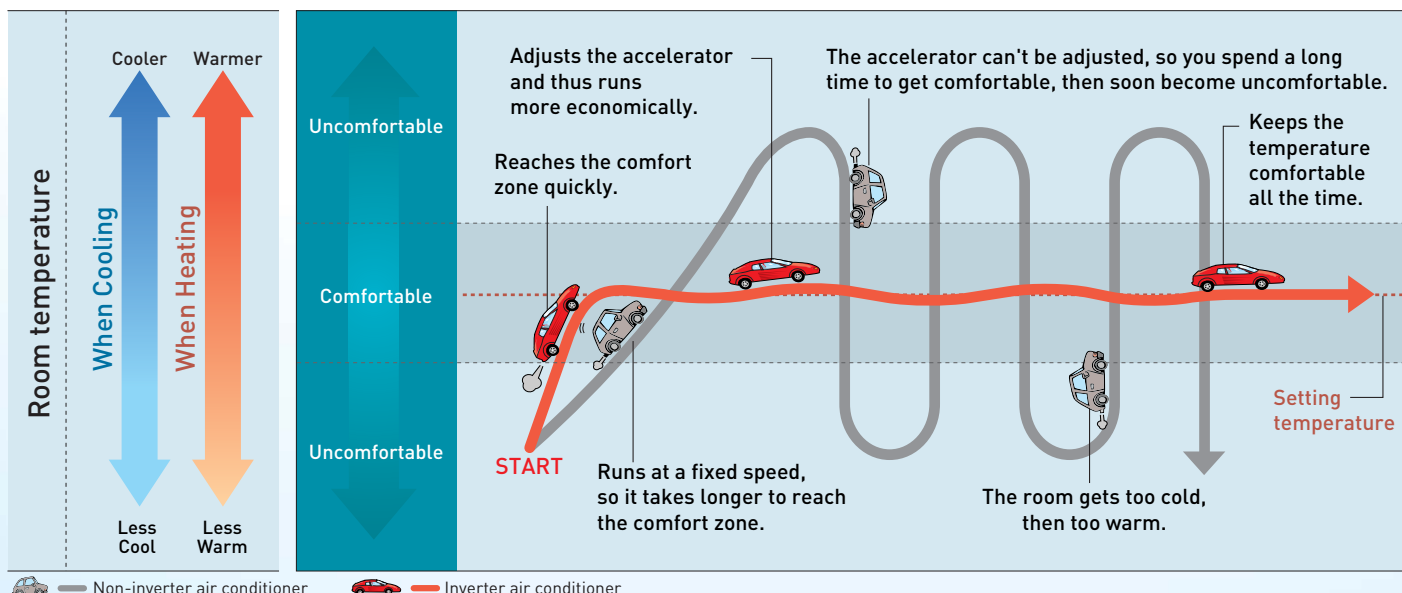
WHAT'S AN INVERTER?



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...



More Advantages with Panasonic



● e-scroll Compressor

Saves energy:

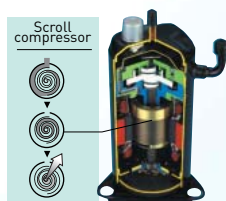
Newly developed bearing reduces oscillation and mechanical loss.

Compact size, light weight:

New DC motor with rare-earth magnet and no accumulator.

Less noise and vibration:

Smooth, continuously operating vortex blades.



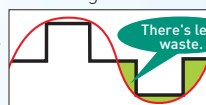
15,000 Btu/h and above models

● 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.

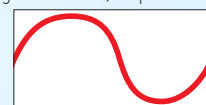
■ Our conventional inverter

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



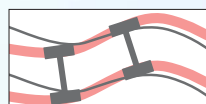
■ Hyper Wave Inverter

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

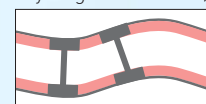


Compare this to a car rounding a corner

Power is wasted when the car swings off course.



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

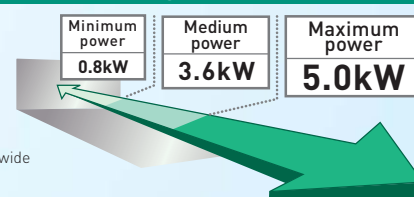


15,000 Btu/h and above models

● Even Wider Output Power Range

Provides higher energy saving and finer room temperature adjustment.

The graph shows the CS-E9GKEW's wide power output range during heating.

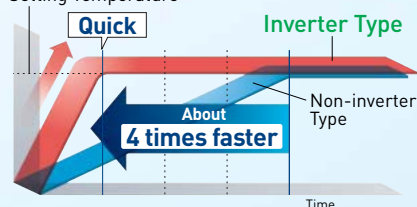


Quick comfort

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 a quarter 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

Setting Temperature



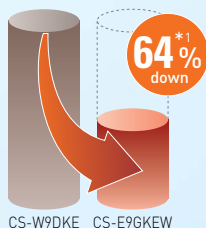
*Comparison of 9,000 Btu inverter and non-inverter models during heating.

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.

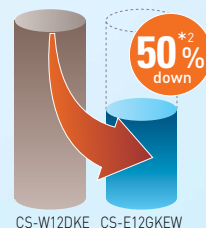
■ Electric Consumption

During heating:



CS-W9DKE CS-E9GKEW

During Cooling:



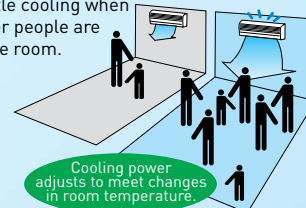
CS-W12DKE CS-E12GKEW

*1 Comparison of cumulative electricity consumption during heating to reach the setting temperature (Panasonic in-house comparison) Test conditions: Indoor and outdoor temperature: 7°C/ Setting temperature: 25°C/ Fan speed: High *2 Comparison of cumulative electricity consumption during 8 hours of cooling (Panasonic in-house comparison) Test conditions: Room temperature at start: 35°C/ Setting temperature: 25°C

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.

Gentle cooling when fewer people are in the room.



Powerful cooling when there are more people.

Inverter Deluxe



e-ion
Air Purifying System

Healthier Air Quality with Greater Comfort

e-ion Air Purifying System with Patrol Sensor

In addition to better air quality than ever,
these deluxe models offer surprising energy savings
and fine temperature control.



The Patrol function
can be switched ON/OFF
by remote control.



Press the e-ion button
and the air purifying
function operates
independently.

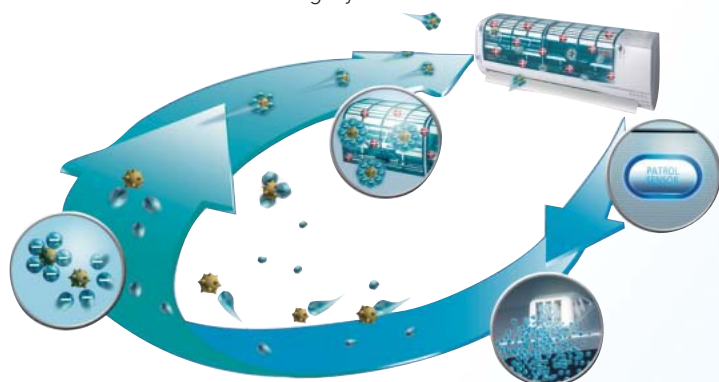
2-in-1 value with full-scale air purifying



e-ion Air Purifying System with Patrol Sensor



A revolutionary new mechanism catches dust particles and brings them back to the filter, working with the Patrol Sensor to thoroughly clean the air.



Full-scale air purifying performance

The e-ion Air Purifying performance is the same as a full-scale air purifier based on the JEM* standard. A single unit provides both air conditioning and air purification so it's really economical.

*JEM: Standard of the Japan Electrical Manufacturers' Association



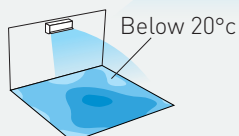
2-in-1 Value

Corner-to-corner air conditioning Wide & Long Airflow Vane

This newly designed vane has been integrated with the louver to send the air further. Sends air to every corner of the room to keep the whole room comfortable.

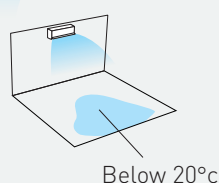


Wide & Long Airflow Vane



Conditions: Our simulated-house facility 13.2m²
Set temperature 25°C

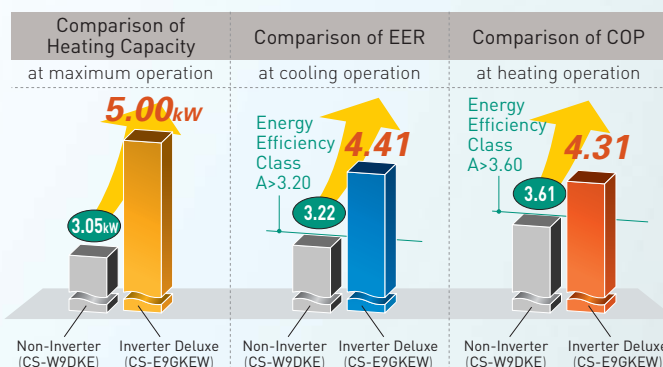
Conventional



* CS-E7/E9/E12/E15GKEW

Class A energy saving achieved by inverter technology

Panasonic's high-efficiency technologies clear stringent energy-saving standards. Our new deluxe 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.



Super Quiet



The indoor unit delivers quiet operation with low fan speed. And pressing the Quiet mode button lowers operation noise even further to just 21dB.



21dB^{*1}
Indoor



46dB^{*2}
Outdoor

*1 CS-E7/E9/E12GKEW: In the Quiet mode during cooling operation with low fan speed
*2 CU-E9GKE: In cooling mode

Powerful Mode

Pressing the Powerful button cools and warms 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.

Deluxe Slim



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.

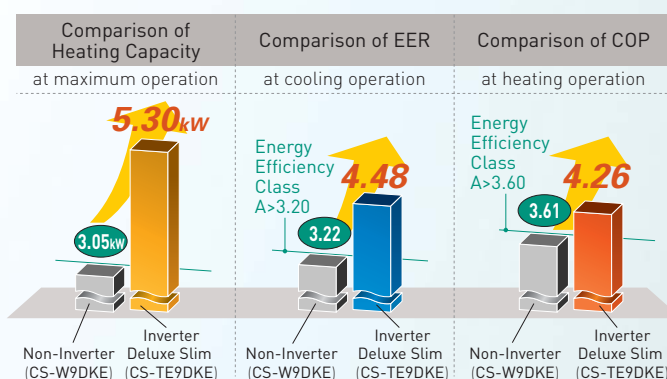
Outdoor unit

• 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



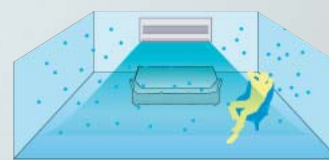
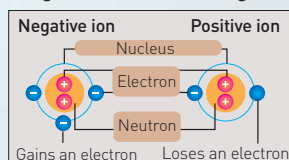
air-creating

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.



Single Inverter Split Wall-Mounted

Deluxe

NEW



With
Bilingual
Sticker



CU-E7GKE/
E9GKE/
E12GKE



CU-E15GKE

Model No	CS-E7GKEW	CS-E9GKEW
Capacity(kW)	2.05(0.70~2.40)/2.80(0.70~4.00)	2.60 (0.80~3.00)/3.60(0.80~5.00)
EER/COP(W/W)	4.27  /4.31 	4.41  /4.31 

Model No	CS-E12GKEW	CS-E15GKEW
Capacity(kW)	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)	3.68  /3.75 	3.21  /3.50



CS-E7GKEW/E9GKEW/
E12GKEW

Deluxe Wide

NEW



With
Bilingual
Sticker



CU-E18GKE/
E21GKE



CU-E24GKE/
E28GKE

Model No	CS-E18GKEW	CS-E21GKES
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  /3.69 	2.85/3.43

Model No	CS-E24GKES	CS-E28GKE
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  /3.23	3.01/2.91



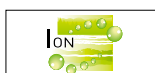
Deluxe Slim

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

-15°C Low Ambient Cooling

With
Bilingual
Sticker

CU-E15EKEA



Model No	CS-E15EKEA
Capacity(kW)	4.40(0.90~5.00)/5.50(0.90~7.10)
EER/COP(W/W)	3.21 A / 3.50



Deluxe Wide

-15°C Low Ambient Cooling

With
Bilingual
Sticker

CU-E18EKEA/E21EKEA



Model No	CS-E18EKEA	CS-E21EKEA
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



-15°C 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

Wall-Mounted

Standard

NEW



With
Bilingual
Sticker



CU-RE9GKE/RE12GKE



Model No	CS-RE9GKE	CS-RE12GKE
Capacity(kW)	2.60(0.90~3.00)/3.30(0.90~4.10)	3.50(0.90~3.90)/4.25(0.90~5.10)
EER/COP(W/W)	3.46 A / 4.02 A	3.46 A / 3.72 A



Standard Wide

NEW



With
Bilingual
Sticker



CU-RE18GKE



CU-RE24GKE

Model No	CS-RE18GKE	CS-RE24GKE
Capacity(kW)	5.30(0.90~6.00)/6.60(0.90~8.00)	6.80(0.90~8.10)/8.60(0.90~9.90)
EER/COP(W/W)	3.21 A / 3.69 A	3.21 A / 3.23



Floor Console

NEW



With
Bilingual
Sticker



CU-E9GFE/
E12GFE



CU-E18GFE

Model No	CS-E9GFEW	CS-E12GFEW	CS-E18GFEW
Capacity(kW)	2.50(0.80~3.00)/3.60(0.80~5.00)	3.50(0.80~3.80)/4.80(0.80~6.10)	5.00(0.90~5.60)/5.80(0.90~7.10)
EER/COP(W/W)	4.39 A / 4.16 A	3.63 A / 3.64 A	3.23 A / 3.63 A



CS-E9GFEW

Floor or Ceiling



Indoor unit: installed in a ceiling



Indoor unit: installed on a floor


With
Bilingual
Sticker

CU-E15DBE/E18DBE/
E21DBE


Height difference: 15m

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



(option)

Cassette (4-way)



Panel CZ-BT20E


With
Bilingual
Sticker

CU-E15DBE/E18DBE/
E21DBE


Height difference: 15m

Model No	CS-E15DB4EW	CS-E18DB4EW	CS-E21DB4EW
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



(option)



CS-E15DB4EW

Hide-Away


With
Bilingual
Sticker

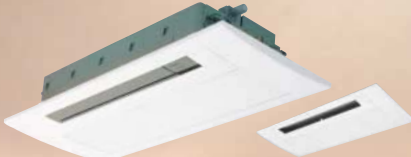
CU-E15DBE/E18DBE

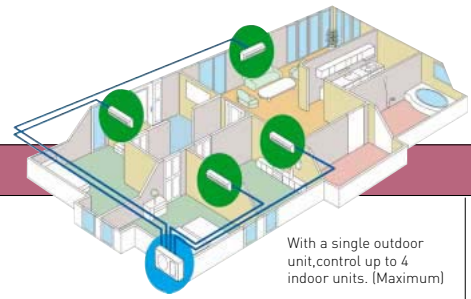


Height difference: 15m

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

Multi Inverter Split

Indoor Unit	Wall-Mounted																					
	Deluxe		Floor Console																			
	NEW  With Bilingual Sticker		NEW  With Bilingual Sticker																			
	<table><tr><td>Model No</td><td>CS-E7GKEW</td><td>CS-E9GKEW</td><td>CS-E12GKEW</td><td>CS-E15GKEW★</td></tr><tr><td>Capacity</td><td>2.2kW class</td><td>2.8kW class</td><td>3.2kW class</td><td>4.0kW class</td></tr></table>		Model No	CS-E7GKEW	CS-E9GKEW	CS-E12GKEW	CS-E15GKEW★	Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class	<table><tr><td>Model No</td><td>CS-E9GFEW</td><td>CS-E12GFEW</td><td>CS-E18GFEW★</td></tr><tr><td>Capacity</td><td>2.8kW class</td><td>3.2kW class</td><td>5.0kW class</td></tr></table>		Model No	CS-E9GFEW	CS-E12GFEW	CS-E18GFEW★	Capacity	2.8kW class	3.2kW class	5.0kW class
	Model No	CS-E7GKEW	CS-E9GKEW	CS-E12GKEW	CS-E15GKEW★																	
Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class																		
Model No	CS-E9GFEW	CS-E12GFEW	CS-E18GFEW★																			
Capacity	2.8kW class	3.2kW class	5.0kW class																			
<table><tr><td>Model No</td><td>CS-E18GKEW★</td></tr><tr><td>Capacity</td><td>5.0kW class</td></tr></table>  		Model No	CS-E18GKEW★	Capacity	5.0kW class																	
Model No	CS-E18GKEW★																					
Capacity	5.0kW class																					
Cassette (1-way)		Cassette (4-way)																				
 Panel CZ-BT20P With Bilingual Sticker		 Panel CZ-BT20E With Bilingual Sticker																				
<table><tr><td>Model No</td><td>CS-ME7EB1E</td><td>CS-ME10EB1E</td><td>CS-ME12EB1E</td><td>CS-ME14EB1E</td></tr><tr><td>Capacity</td><td>2.2kW class</td><td>2.8kW class</td><td>3.2kW class</td><td>4.0kW class</td></tr></table>		Model No	CS-ME7EB1E	CS-ME10EB1E	CS-ME12EB1E	CS-ME14EB1E	Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class	<table><tr><td>Model No</td><td>CS-E15DB4EW★</td><td>CS-E18DB4EW★</td></tr><tr><td>Capacity</td><td>4.0kW class</td><td>5.0kW class</td></tr></table>   (option) CS-E15DB4EW		Model No	CS-E15DB4EW★	CS-E18DB4EW★	Capacity	4.0kW class	5.0kW class			
Model No	CS-ME7EB1E	CS-ME10EB1E	CS-ME12EB1E	CS-ME14EB1E																		
Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class																		
Model No	CS-E15DB4EW★	CS-E18DB4EW★																				
Capacity	4.0kW class	5.0kW class																				
Floor or Ceiling		Hide-Away																				
 With Bilingual Sticker		 With Bilingual Sticker																				
<table><tr><td>Model No</td><td>CS-ME10DTEG</td><td>CS-E15DTEW★</td><td>CS-E18DTEW★</td></tr><tr><td>Capacity</td><td>2.8kW class</td><td>4.0kW class</td><td>5.0kW class</td></tr></table>  (option)		Model No	CS-ME10DTEG	CS-E15DTEW★	CS-E18DTEW★	Capacity	2.8kW class	4.0kW class	5.0kW class	<table><tr><td>Model No</td><td>CS-ME10DD3EG</td><td>CS-E15DD3EW★</td><td>CS-E18DD3EW★</td></tr><tr><td>Capacity</td><td>2.8kW class</td><td>4.0kW class</td><td>5.0kW class</td></tr></table>		Model No	CS-ME10DD3EG	CS-E15DD3EW★	CS-E18DD3EW★	Capacity	2.8kW class	4.0kW class	5.0kW class			
Model No	CS-ME10DTEG	CS-E15DTEW★	CS-E18DTEW★																			
Capacity	2.8kW class	4.0kW class	5.0kW class																			
Model No	CS-ME10DD3EG	CS-E15DD3EW★	CS-E18DD3EW★																			
Capacity	2.8kW class	4.0kW class	5.0kW class																			
Outdoor Unit	2 rooms	3 rooms	4 rooms	Additional Parts																		
	 CU-2E15GBE NEW CU-2E18CBPG	 CU-3E18EBE CU-3E23CBPG	NEW  CU-4E23GBE  CU-4E27CBPG	 CZ-MA1P For the indoor units marked with a star (★), the pipe size reducer must be used.																		



Combination Patterns

Models	Indoor Units: Possible Combination Patterns Must be within capacity range.	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	Floor Console	Cassette (1-way)	Cassette (4-way)	Floor or Ceiling	Hide- Away			
2 rooms	CU-2E15GBE  Dimensions (HxWxD): 540 x 780(+70) x 289 mm Weight: 38 kg	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 5.4 kW	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	2.2	•							
												2.8	•	•				•		
												3.2	•	•						
	CU-2E18CBPG  Dimensions (HxWxD): 540 x 780(+70) x 289 mm Weight: 38 kg	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	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	2.2	•							
												2.8	•					•	•	
												3.2	•							
3 rooms	CU-3E18EBE  Dimensions (HxWxD): 735 x 826(+73) x 300 mm Weight: 49 kg	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 8.4 kW	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.2	•		•					
												2.8	•	•	•		•	•		
												3.2	•	•	•					
												4.0	•		•	•	•	•	•	
	CU-3E23CBPG  Dimensions (HxWxD): 735 x 826(+110) x 300 mm Weight: 57 kg	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	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.2	•		•					
												2.8	•	•	•		•	•		
												3.2	•	•	•					
												4.0	•		•	•	•	•	•	
	4 rooms	CU-4E23GBE  Dimensions (HxWxD): 735 x 826(+110) x 300 mm Weight: 57 kg	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.		Room A								2.2	•		•				
													2.8	•	•	•		•	•	
													3.2	•	•	•				
													4.0	•		•	•	•	•	•
CU-4E27CBPG  Dimensions (HxWxD): 908 x 900 x 320 mm Weight: 73 kg		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	Room A	ø 6.35	ø 9.52	25 m	70 m	40 m	20 g/m	15 m	2.2	•		•					
												2.8	•	•	•		•	•		
												3.2	•	•	•					
												4.0	•		•	•	•	•	•	
				Room D	ø 6.35	ø 9.52						5.0	•	•		•	•			

Preliminary Information

Single Split

Wall-Mounted

Standard

NEW



With
Bilingual
Sticker

CU-PW9GKE



CU-PW12GKE



Model No	CS-PW9GKE	CS-PW12GKE
Capacity(kW)	2.65/2.85	3.40/3.80
EER/COP(W/W)	3.21 A / 3.63 A	3.22 A / 3.61 A



(option)

Standard Wide

NEW



With
Bilingual
Sticker

CU-PW18GKE



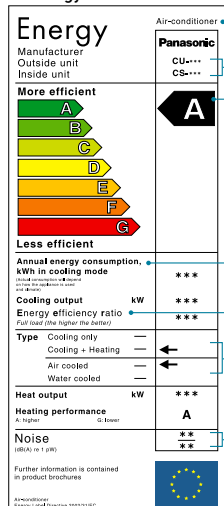
Model No	CS-PW18GKE
Capacity(kW)	5.10/5.30
EER/COP(W/W)	2.91/3.35



(option)

Energy-Efficiency Classifications

Energy Label



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 (EER)

The higher the EER, the greater the energy efficiency.

The type of air conditioner

The noise

Outdoor
Indoor

Classifications

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

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

A	3.20 < 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.

Specifications

Single Inverter Split



Cooling
Heating

Model		(50Hz)	CS-E7GKEW (CU-E7GKE)	CS-E9GKEW (CU-E9GKE)	CS-E12GKEW (CU-E12GKE)	CS-E15GKEW (CU-E15GKE)	CS-E18GKEW (CU-E18GKE)	CS-E21GKES (CU-E21GKE)	CS-E24GKES (CU-E24GKE)	CS-E28GKE (CU-E28GKE)	CS-TE9DKE (CU-TE9DKE)	CS-TE12DKE (CU-TE12DKE)
Cooling Capacity	kW		2.05 (0.70 - 2.40)	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)	2.60 (0.60 - 3.00)	3.50 (0.60 - 4.00)
	kcal/h		1,760 (600 - 2,060)	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)	2,240 (520 - 2,580)	3,010 (520 - 3,440)
EER	W/W		4.27	4.41	3.68	3.21	3.21	2.85	3.21	3.01	4.48	3.89
Heating Capacity	kW		2.80 (0.70 - 4.00)	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)	3.60 (0.60 - 5.30)	4.80 (0.60 - 6.50)
	kcal/h		2,410 (600 - 3,440)	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)	3,100 (520 - 4,560)	4,130 (520 - 5,590)
COP	W/W		4.31	4.31	3.75	3.50	3.69	3.43	3.23	2.91	4.26	3.64
Electrical Data												
Voltage	V		230	230	230	230	230	230	230	230	230	230
Running Current	A		2.3 3.1	2.8 3.9	4.4 5.9	6.3 7.1	7.5 8.1	9.9 9.3	9.7 12.1	11.8 15.3	2.7 3.9	4.2 6.2
Power Input	W		480 (170 - 590) 650 (160 - 1,020)	590 (175 - 750) 835 (165 - 1,340)	950 (185 - 1,200) 1,280 (175 - 1,910)	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)	2,120 (350 - 2,700) 2,660 (360 - 3,200)	2,540 (350 - 2,950) 3,300 (360 - 3,790)	580 (120 - 720) 845 (115 - 1,360)	900 (120 - 1,160) 1,320 (115 - 1,880)
Noise	Sound Pressure Level Indoor (Hi/Lo/S-Lo) dB(A)		37/24/21 38/25/22	39/25/21 40/27/24	42/28/21 42/33/30	43/32/25 43/35/32	44/37/34 44/37/34	45/37/34 45/37/34	47/38/35 47/38/35	49/38/35 48/38/35	39/26/23 40/27/24	42/29/26 42/33/30
	Outdoor (Hi) dB(A)		45 46	46 47	48 50	46 46	47 47	48 49	52 52	53 53	46 47	48 50
	Sound Power Level* Indoor (Hi) dB		48 49	50 51	53 53	54 54	57 57	58 58	60 60	62 61	50 51	53 53
	Outdoor (Hi) dB		58 59	59 60	61 63	59 59	60 60	61 62	66 66	67 67	59 60	61 63
Moisture Removal	L/h		1.3	1.6	2.0	2.4	2.9	3.5	3.9	4.5	1.5	2.0
External Static Pressure	Pa (mmAq)		—	—	—	—	—	—	—	—	—	—
Air Circulation (Indoor/Hi)	m ³ /min		9.8 10.3	10.4 11.0	11.2 11.7	11.0 11.8	15.2 16.7	16.2 17.3	16.9 18.3	17.7 18.7	9.2 10.5	9.9 10.9
Dimensions Indoor (Outdoor)												
Height	mm		280 (540)	280 (540)	280 (540)	280 (750)	275 (750)	275 (750)	275 (795)	275 (795)	298 (540)	298 (540)
Width	mm		799 (780)	799 (780)	799 (780)	799 (875)	998 (875)	998 (875)	998 (900)	998 (900)	799 (780)	799 (780)
Depth	mm		183 (289)	183 (289)	183 (289)	183 (345)	230 (345)	230 (345)	230 (320)	230 (320)	139 (289)	139 (289)
Net Weight Indoor (Outdoor)	kg		9 (33)	9 (34)	9 (35)	9 (48)	10 (48)	10 (49)	11 (67)	11 (70)	8 (33)	8 (34)
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"	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	15.88 5/8"	15.88 5/8"	9.52 3/8"	12.70 1/2"
Pipe Extension												
Minimum Pipe Length	m		3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length**	m		15	15	15	15	20	20	30	30	15	15
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Indoor	Indoor
Energy Saving Classification	Cooling Class		A	A	A	A	A	C	A	B	A	A
	Annual Energy Consumption kW		240	295	475	685	825	1,105	1,060	1,270	290	450
	Heating Class		A	A	A	B	A	B	C	D	A	A

Rating Conditions

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

* 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.

Single Inverter Split

Cooling
Heating

Model (50Hz)		CS-E15EKEA (CU-E15EKEA)	CS-E18EKEA (CU-E18EKEA)	CS-E21EKEA (CU-E21EKEA)	CS-RE9GKE (CU-RE9GKE)	CS-RE12GKE (CU-RE12GKE)	CS-RE18GKE (CU-RE18GKE)	CS-RE24GKE (CU-RE24GKE)	CS-E9GFEW (CU-E9GFE)	CS-E12GFEW (CU-E12GFE)	CS-E18GFEW (CU-E18GFE)
Cooling Capacity	kW	4.40 (0.90 - 5.00)	5.30 (0.90 - 6.00)	6.30 (0.90 - 7.10)	2.60 (0.90 - 3.00)	3.50 (0.90 - 3.90)	5.30 (0.90 - 6.00)	6.80 (0.90 - 8.10)	2.50 (0.80 - 3.00)	3.50 (0.80 - 3.80)	5.00 (0.90 - 5.60)
	kcal/h	3,780 (770 - 4,300)	4,560 (770 - 5,160)	5,420 (770 - 6,110)	2,230 (770 - 2,570)	3,000 (770 - 3,350)	4,560 (770 - 5,160)	5,850 (770 - 6,970)	2,150 (688 - 2,580)	3,010 (688 - 3,268)	4,300 (774 - 4,816)
EER	W/W	3.21	3.21	2.85	3.46	3.46	3.21	3.21	4.39	3.63	3.23
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 - 4.10)	4.25 (0.90 - 5.10)	6.60 (0.90 - 8.00)	8.60 (0.90 - 9.90)	3.60 (0.80 - 5.00)	4.80 (0.80 - 6.10)	5.80 (0.90 - 7.10)
	kcal/h	4,730 (770 - 6,110)	5,680 (770 - 6,880)	6,190 (770 - 7,310)	2,830 (770 - 3,520)	3,650 (770 - 4,380)	5,680 (770 - 6,880)	7,400 (770 - 8,510)	3,096 (688 - 4,300)	4,128 (688 - 5,246)	4,988 (774 - 6,106)
COP	W/W	3.50	3.69	3.43	4.02	3.72	3.69	3.23	4.16	3.64	3.63
Electrical Data											
Voltage	V	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	3.5 4.0	4.8 5.2	7.5 8.1	9.7 12.1	2.70 4.05	4.40 6.00	7.00 7.10
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)	750 (190 - 1,000) 820 (170 - 1,150)	1,010 (170 - 1,200) 1,140 (150 - 1,460)	1,650 (215 - 2,050) 1,790 (245 - 2,650)	2,120 (350 - 2,700) 2,660 (360 - 3,200)	570 (175 - 780) 865 (165 - 1,360)	965 (185 - 1,140) 1,320 (175 - 1,770)	1,550 (255 - 1,910) 1,600 (260 - 2,350)
Noise	Sound Pressure Level Indoor (Hi/L0/S-Lo) dB(A)	43/32/29 43/35/32	44/37/34 44/37/34	45/37/34 45/37/34	42/27/22 42/27/25	42/30/22 42/33/25	44/37 44/37	47/38 47/38	38/27/23 38/27/23	39/28/24 39/27/23	44/36/32 46/36/32
	Outdoor (Hi) dB(A)	46 46	47 47	48 49	47 48	48 50	47 47	52 52	46 47	48 50	47 48
	Sound Power Level* Indoor (Hi) dB	54 54	57 57	58 58	53 53	53 53	57 57	60 60	54/43/39 54/43/39	55/44/40 55/43/39	60/52/48 62/52/48
	Outdoor (Hi) dB	59 59	60 60	61 62	60 61	61 63	60 60	66 66	59 60	61 63	60 61
Moisture Removal	L/h	2.4	2.9	3.5	1.5	2.0	2.9	3.9	1.4	2.0	2.8
External Static Pressure (mmAq)		—	—	—	—	—	—	—	—	—	—
Air Circulation (Indoor/Hi)	m³/min	11.0 11.8	15.2 16.7	16.2 17.3	9.8 10.3	9.9 10.4	15.2 16.7	16.9 18.3	9.3 9.6	9.5 10.0	11.0 13.0
Dimensions Indoor/Panel** (Outdoor)											
Height	mm	280 (750)	275 (750)	275 (750)	280 (540)	280 (540)	275 (750)	275 (795)	600 (540)	600 (540)	600 (750)
Width	mm	799 (875)	998 (875)	998 (875)	799 (780)	799 (780)	998 (875)	998 (900)	700 (780)	700 (780)	700 (875)
Depth	mm	183 (345)	230 (345)	230 (345)	183 (289)	183 (289)	230 (345)	230 (320)	210 (289)	210 (289)	210 (345)
Net Weight Indoor/Panel** (Outdoor)	kg	9 (48)	11 (49)	11 (51)	8.5 (29)	8.5 (31)	10 (48)	11 (67)	14.0 (37.0)	14.0 (37.0)	14.0 (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	12.70 1/2"	12.70 1/2"	12.70 1/2"	9.52 3/8"	9.52 3/8"	12.70 1/2"	15.88 5/8"	9.52 3/8"	9.52 3/8"	12.70 1/2"
Pipe Extension											
Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length***	m	15	20	20	15	15	20	30	15	15	20
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Energy Saving Classification	Cooling Class	A	A	C	A	A	A	A	A	A	A
	Annual Energy Consumption kW	685	825	1,105	375	505	825	1,060	285	483	775
	Heating Class	B	A	B	A	A	A	C	A	A	A

Rating Conditions

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

* 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.

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

Single Inverter Split



Cooling
Heating

Model		(50Hz)	CS-E15DTEW (CU-E15DBE)	CS-E18DTEW (CU-E18DBE)	CS-E21DTEW (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		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		3,570 (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		3.22	3.01	3.01	3.15	3.14	2.88	3.31	3.15
Heating Capacity	kW		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		4,450 (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		3.34	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
Running Current	A		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		1,290 (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/La/S-La) dB(A)		45/37/34 45/33/30	46/39/36 47/35/32	47/41/38 47/37/34	34/26/23 35/28/25	36/28/25 37/29/26	41/33/30 42/34/31	33/27/24 35/28/25	41/30/27 41/32/29
	Outdoor (Hi) dB(A)		46 47	47 48	48 49	45 47	47 48	49 49	46 47	47 48
	Sound Power Level* Indoor (Hi) dB		58 58	59 60	60 60	47 48	49 50	54 55	49 51	57 57
	Outdoor (Hi) dB		59 60	60 61	61 62	58 60	60 61	62 62	59 60	60 61
Moisture Removal	L/h		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		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		540 (750)	540 (750)	540 (750)	260/51 (750)	260/51 (750)	260/51 (750)	235 (750)	285 (750)
Width	mm		1,028 (875)	1,028 (875)	1,028 (875)	575/700 (875)	575/700 (875)	575/700 (875)	750 (875)	750 (875)
Depth	mm		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		17 (48)	18 (48)	20 (49)	18.0/2.5 (48)	18.0/2.5 (48)	18.0/2.5 (49)	17 (48)	18 (48)
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"
Gas Side	mm inch		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										
Minimum	m		3	3	3	3	3	3	3	3
Maximum	m		20	20	20	20	20	20	20	20
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Energy Saving Classification	Cooling Class		A	B	B	B	B	C	A	B
	Annual Energy Consumption	kW	645	830	965	650	765	1,025	620	810
	Heating Class		C	C	B	D	D	D	E	C

Single Split



Cooling
Heating

Model		(50Hz)	CS-PW9GKE (CU-PW9GKE)	CS-PW12GKE (CU-PW12GKE)	CS-PW18GKE (CU-PW18GKE)
Cooling Capacity	kW		2.65	3.40	5.10
	kcal/h		2,280	2,920	4,386
EER	W/W		3.21	3.22	2.91
Heating Capacity	kW		2.85	3.80	5.30
	kcal/h		2,450	3,260	4,558
COP	W/W		3.63	3.61	3.35
Electrical Data					
Voltage	V		230	230	230
Running Current	A		3.9 3.7	5.0 4.9	7.7 6.9
Power Input	W		825 785	1,055 1,050	1,750 1,580
Noise	Sound Pressure Level Indoor (Hi/La/S-La) dB(A)		39/31 39/31	39/32 39/31	45/38 43/38
	Outdoor (Hi) dB(A)		48 49	49 50	55 55
	Sound Power Level* Indoor (Hi) dB		50 50	50 50	58 56
	Outdoor (Hi) dB		61 62	62 63	70 70
Moisture Removal	L/h		1.6	1.9	2.9
External Static Pressure	Pa (mmAq)		—	—	—
Air Circulation (Indoor/Hi)	m ³ /min		10.3 10.3	9.0 9.2	16.2 16.4
Dimensions Indoor/Panel** (Outdoor)					
Height	mm		250 (530)	280 (540)	275 (540)
Width	mm		770 (650)	799 (780)	998 (780)
Depth	mm		205 (230)	183 (289)	230 (289)
Net Weight Indoor/Panel** (Outdoor)	kg		7.5 (27)	9.0 (30)	11.0 (44.0)
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"	12.70 1/2"
Pipe Extension Minimum Pipe Length					
Minimum	m		3	3	3
Maximum	m		10	15	25
Power Supply			Indoor	Indoor	Indoor
Energy Saving Classification	Cooling Class		A	A	C
	Annual Energy Consumption	kW	413	528	875
	Heating Class		A	A	C

Specifications

Multi Inverter Split : Indoor Units



Cooling
Heating

Wall-Mounted					
Model (Capacity)	CS-E7GKEW (2.2 kW class)	CS-E9GKEW (2.8 kW class)	CS-E12GKEW (3.2 kW class)	CS-E15GKEW (4.0 kW class)	CS-E18GKEW (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz				
Noise (Hi/Lo) Sound Pressure Level	40/29/26 40/29/26	40/29/26 40/29/26	44/32/29 44/32/29	44/32/29 44/33/30	46/33/30 46/35/32
Sound Power Level	53/42 53/42	53/42 53/42	57/45 57/45	57/45 57/46	59/46 59/48
Fan Output	30	30	30	30	30
Dimensions					
Height	280	280	280	280	275
Width	799	799	799	799	998
Depth	183	183	183	183	230
Net Weight	9.0	9.0	9.0	9.0	10.0
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²				
Refrigerant Pipe Diameter					
Liquid Side	6.35	6.35	6.35	6.35	6.35
Gas Side	9.52	9.52	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.
For models with the Air Purifying Filter, the specifications indicate values with the filter removed.

	Floor Console			Floor or Ceiling		
Model (Capacity)	CS-E9GFEW (2.8 kW class)	CS-E12GFEW (3.2 kW class)	CS-E18GFEW (5.0 kW class)	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	38/27/24 38/27/24	39/28/25 39/27/24	44/36/33 46/36/33	39/31/28 40/31/28	45/37/34 45/33/30	46/39/36 47/35/32
Sound Power Level	54/43 54/43	55/44 55/43	60/52 62/52	52/44 53/44	58/50 58/46	59/52 60/48
Fan Output	48	48	48	51	51	51
Dimensions						
Height	600	600	600	540	540	540
Width	700	700	700	1,028	1,028	1,028
Depth	210	210	210	200	200	200
Net Weight	14.0	14.0	14.0	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²					
Refrigerant Pipe Diameter						
Liquid Side	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side	9.52	9.52	12.70*	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)				Cassette (4-way)		Hide-Away		
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)	CS-E15DB4EW (4.0 kW class)	CS-E18DB4EW (5.0 kW class)	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	40/32/29 42/32/29	40/32/29 42/32/29	41/32/29 43/32/29	43/32/29 44/34/31	34/26/23 35/28/25	36/28/25 37/29/26	31/27/24 35/27/24	33/27/24 35/28/26	41/30/27 41/32/29
Sound Power Level	53/45 55/45	53/45 55/45	54/45 56/45	56/45 57/47	47/39 48/41	49/41 50/42	47/43 51/43	49/43 51/44	57/46 57/48
Fan Output	30	30	30	30	40	40	30	30	30
External Static Pressure Pa(mmAq)	— —	— —	— —	— —	— —	— —	25 (2.55)	25 (2.55)	25 (2.55)
Air Circulation	—	—	—	—	—	—	7.0	7.8	10.3
Dimensions									
Height	185	185	185	185	260	260	235	235	285
Width	770	770	770	770	575	575	750	750	750
Depth	360	360	360	360	575	575	370	370	370
Net Weight	9.8	9.8	9.8	10.5	18.0	18.0	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ϕ 1.5 mm ²								
Refrigerant Pipe Diameter									
Liquid Side	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side	9.52	9.52	9.52	9.52	12.70*	12.70*	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.

Multi Inverter Split : Outdoor Units



Cooling
Heating

Model (50Hz)		CU-2E15GBE	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	615	760	610	975	990
	Heating Class	A	A	A	A	A

Rating Conditions

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

- * 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.

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

Specifications

CU-2E15GBE

A.E.C. : Annual Energy Consumption

	Indoor Units Capacity	COOLING OPERATION						HEATING OPERATION						
		Cooling Capacity			Running Current	Power Input	Cooling Class	A.E.C.#	Heating Capacity			Running Current	Power Input	Heating Class
		Room A	Room B	Total					Room A	Room B	Total			
1 room	2.2	2.20	—	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	A	260	3.20	—	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	A
	2.8	2.80	—	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	A	375	4.00	—	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	B
	3.2	3.20	—	3.20 (1.1 - 4.0)	4.30	920 (220 - 1,220)	A	460	4.50	—	4.50 (0.7 - 6.2)	5.55	1,250 (170 - 1,810)	B
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	A	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	A	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 3.2	1.80	2.70	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	A	615	2.20	3.20	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 + 2.8**	2.00	2.50	4.50 (1.5 - 5.2)	5.80	1,250 (250 - 1,530)	A	625	2.40	3.00	5.40 (1.1 - 7.0)	5.45	1,230 (210 - 1,720)	A
	2.2 + 3.2***	1.80	2.70	4.50 (1.5 - 5.2)	5.80	1,250 (250 - 1,530)	A	625	2.20	3.20	5.40 (1.1 - 7.0)	5.45	1,230 (210 - 1,720)	A

* 2.8kW class: CS-ME10DD3EG (Hide-Away type)

** 2.8kW class: CS-E9GFEW (Floor Console type)

*** 3.2kW class: CS-E12GFEW (Floor Console type)

CU-2E18CBPG

A.E.C. : Annual Energy Consumption

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

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

CU-3E18EBE

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	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
	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
	5.0	5.00	—	—	5.00 (1.9 - 5.7)	6.80	1,550 (340 - 2,130)	A	775	6.80	—	—	6.80 (1.2 - 6.9)	9.20	2,100 (300 - 2,520)	C
2 room	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 (360 - 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	2.60	2.60	—	5.20 (1.9 - 6.2)	6.80	1,540 (350 - 2,100)	A	770	3.40	3.40	—	6.80 (1.4 - 7.0)	8.50	1,930 (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)	8.10	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 (360 - 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 - 2,120)	A	725	3.40	3.40	—	6.80 (1.4 - 7.5)	7.70	1,750 (310 - 2,490)	A
3 room	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 (360 - 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 (360 - 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

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	Total					Room A	Room B	Room C	Total				
		kW	kW	kW	kW	A	W			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)	5.65	1,310 (370 - 1,910)	D	
	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 room	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 room	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 - 2,760)	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

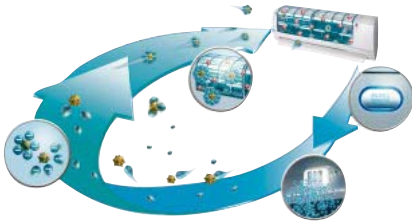
Indoor Units Capacity		COOLING OPERATION										HEATING OPERATION									
		Cooling Capacity					Running Current	Power Input	Cooling Class	A.E.C.#	Heating Capacity					Running Current	Power Input	Heating Class			
		Room A	Room B	Room C	Room D	Total					Room A	Room B	Room C	Room D	Total						
1 room	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 (330 - 3,560)	F			
2 room	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 - 3,560)	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 room	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 (490 - 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	2,160 (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 room	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)													

Feature Explanations

Healthy Air Quality

e-ion Air Purifying System

Active e-ions are shot out to catch dust and inactivate airborne bacteria and mould. The positively charged mega filter attracts dust to thoroughly clean the room.



Patrol Sensor

Air is monitored both during air conditioner operation and when it's switched off. When dirt is detected, the air purifying function is started to immediately clean the air in the room.



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

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.

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. This function is especially convenient for operation near a sleeping baby.

Press a
QUIET
button



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

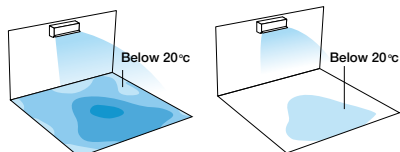
Starts with cooling to dehumidify. Then provides continuous breeze at low frequency to keep room dry without much change in temperature.

Wide & Long Airflow Vane

This newly designed vane has been integrated with the louver to send the air further. Sends air to every corner of the room to keep the whole room comfortable.



Wide & Long Airflow Vane



Conditions: -Our simulated-house facility 13.2m²
-Set temperature 25°C

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.

Manual Horizontal Airflow Direction Control

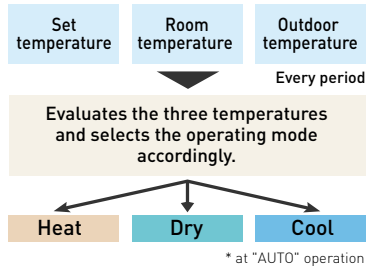
Auto Changeover (Inverter)

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.

Auto Changeover System

Checks three temperatures.



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.

-15°C 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)

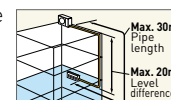
Reliable

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-RE24GKE. *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

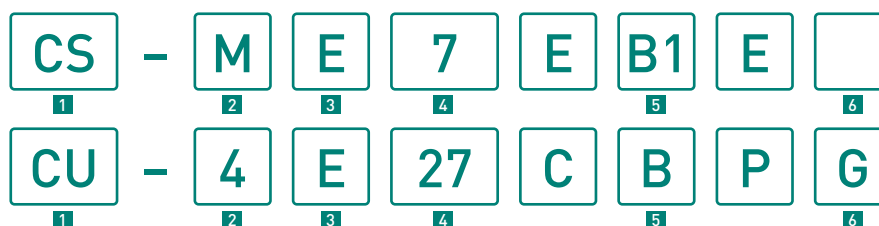
Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows quicker servicing.

Feature Comparison

Heat Pump Models Cooling Models		Single Inverter Split								
		Wall-Mounted						Floor Console	Floor or Ceiling	
		CS-E7GKEW CS-E9GKEW CS-E12GKEW CS-E15GKEW	CS-E18GKEW CS-E21GKES CS-E24GKES CS-E28GKE	CS-TE9DKE CS-TE12DKE	CS-E15EKEA CS-E18EKEA CS-E21EKEA	CS-RE9GKE CS-RE12GKE	CS-RE18GKE CS-RE24GKE	CS-E9GFEW CS-E12GFEW CS-E18GFEW	CS-E15DTEW CS-E18DTEW CS-E21DTEW	
										
Healthy Air Quality	 e-ion Air Purifying System	●	●							
	 Patrol Sensor	●	●							
	 Ion Freshener			●	●					
	 Supersonic Air Purifying System				●					
	 SUPER alleru-buster filter			●	●	●	●		● (Option)	
	 Anti-Mould, One-Touch Air Filter			●	●	●	●	●	●	
	 Odour-Removing Function	●	●	●	●	●	●	●	●	
	 Removable, Washable Panel	●	●	●	●	●	●	●		
Comfortable	 Inverter Control	●	●	●	●	●	●	●	●	
	 Quiet Mode	●	●	●	●	●		●	●	
	 Powerful Mode	●	●	●	●	●		●	●	
	 Soft Dry Operation Mode	●	●	●	●		●	●	●	
	 Wide & Long Airflow Vane	●		●						
	 Personal Airflow Creation		●		●		●			
	 Airflow Direction Control (Up & Down)	●		●		●		●	●	
	 Manual Horizontal Airflow Direction Control	●		●		●		●	●	
	 Auto Changeover (Inverter)	●	●	●	●	●	●	●	●	
	 Auto Changeover									
	 Hot Start Control	●	●	●	●	●	●	●	●	
	 Low Ambient Cooling				●					
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	20m(E18/E21) 30m(E24/E28)	15m	15m(E15) 20m(E18/E21)	15m	20m(RE18) 30m(RE24)	15m(E9/E12) 20m(E18)	20m	
	 Top-Panel Maintenance Access	●	●	●	●	●	●	●	●	
	 Self-Diagnostic Function	●	●	●	●	●	●	●	●	

* Total room / One room

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 T : Single Split / Deluxe Slim R/P : Single Split / Standard No Indications : Single Split / Deluxe	<Outdoor unit> n: (n) rooms Multi
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 F : Floor Console 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

	Applicable Models	
	CZ-SA13P	CZ-SA14P
	Wall-Mounted (Deluxe, Deluxe Wide), Cassette	Wall-Mounted (Deluxe Slim, Standard, Standard Wide), Floor or Ceiling
	CS-E15EKEA, CS-E18EKEA, CS-E21EKEA, CS-E15DB4EW, CS-E18DB4EW, CS-E21DB4ES	CS-TE9DKE, CS-TE12DKE, CS-RE9GKE, CS-RE12GKE, CS-RE18GKE, CS-RE24GKE, CS-PW9GKE, CS-PW12GKE, CS-PW18GKE, CS-E15DTEW, CS-E18DTEW, CS-E21DTEW, CS-ME10DTEG

CZ-SA13P,CZ-SA14P

Replacement: every 3 years

Pipe Size Reducer

	Applicable Models
	CZ-MA1P
	CS-E15GKEW, CS-E18GKEW, CS-E18GFEW, CS-E15DTEW, CS-E18DTEW, CS-E15DB4EW, CS-E18DB4EW, CS-E15DD3EW, CS-E18DD3EW

CZ-MA1P

ISO 9000 Series Certification



SIRIM

CERTIFIED TO MS ISO 9002: 1994
Panasonic HA Air-Conditioning (M) Sdn. Bhd. (P-HAAM)
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. (P-HAAM)
Certification No.: M015802127



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

The Matsushita Group actively develops environmentally-conscious products.

Energy

Our energy-conservation technologies help to minimise energy consumption and prevent global warming.

Materials

None of the products we ship contain any specified chemical substances* regardless of market.

* Lead, cadmium, hexavalent chromium, mercury, specified bromine flame retardants (PBB, PBDE)

Factories

Our manufacturing sites around the world have acquired ISO 14001 certification.

- 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 January, 2007.
- Due to printing considerations, the actual colours may vary slightly from these shown.

Panasonic