

Panasonic

ideas for life

2009/10
AIR CONDITIONER












































panasonic.co.nz












ADVANCED⁺PLUS
e-ion Air Purifying System

INVERTER

Model Line-Up Choose the Best Inverter

Single Inverter Split 				
Wall-Mounted				
Indoor	Deluxe <i>NEW</i>	Deluxe Wide <i>NEW</i>	Deluxe	Deluxe Slim
				
	p.16	p.16	p.17	p.17
Heating Capacity (kW)	2.5	CS-E7JKR (CU-E7JKR-3) 		CS-HE9GKE (CU-HE9GKE) 
	3.5	CS-E9JKR (CU-E9JKR-3) 		CS-TE9HKE (CU-TE9HKE) 
	5.0	CS-E12JKR (CU-E12JKR-3) 		CS-HE12GKE (CU-HE12GKE) 
	5.5	CS-E15JKR-3 (CU-E15JKR-3) 		CS-TE12HKE (CU-TE12HKE) 
	6.5		CS-E18JKR (CU-E18JKR-3) 	
	7.0		CS-E21JKR (CU-E21JKR-3) 	
		CS-E24JKR (CU-E24JKR) 		
		CS-E28JKR (CU-E28JKR) 		
8.5				
9.5				
Exclusive Features	    		   	
	   		 	

Multi Inverter Split 				
Wall-Mounted		Floor Console	Floor or Ceiling	Cassette (1-way)
Indoor	Deluxe <i>NEW</i>			
				
	p.20-p.21	p.20-p.21	p.20-p.21	p.20-p.21
Cooling Capacity (kW)	2.2	CS-E7JKEW		CS-ME7EB1E
	2.8	CS-E9JKEW	CS-E9GFEW	CS-ME10EB1E
	3.2	CS-E12JKEW	CS-E12GFEW	
	4.0	CS-E15JKEW		CS-ME14EB1E
	5.0	CS-E18JKEW	CS-E18GFEW	
	6.0	CS-E21JKEW		
Exclusive Features	 			








Single Split		
Wall-Mounted		
Indoor	Deluxe	Deluxe Wide
		
	p.19	p.19
Heating Capacity (kW)	2.5	CS-W7DKR (CU-W7DKR) 
	3.0	CS-W9DKR (CU-W9DKR) 
	4.0	CS-W12EKR (CU-W12EKR) Different Design 
	6.0	
8.0		CS-W18DKR (CU-W18DKR) 
		CS-W24EKR (CU-W24EKR) 
Exclusive Features	   	



 Advanced Plus e-ion Air Purifying System	 Newly Designed Patrol Sensor	 Mild Dry Cooling	 Economy Mode	 Heating Operation Lower Limit	 SUPER SILENT 21dB	 Quiet Mode (Indoor) (Heating)	 QUIET 42dB	 Quiet Mode (Outdoor) (Heating)
 Supersonic Air Purifying System	 Super allero-buster filter (Super allero-buster + Catechin + Bio)	 Ion Freshener	 Blue Fin Condenser	 LARGE	 Large Remote Controller	 Star Rating (Heating)		



Floor Console	Floor or Ceiling	Cassette (4-way)	Hide-Away
 p.17	 p.18	 p.18	 p.18
CS-E9GFEW (CU-E9GFE-1) 	CS-E15DTEW (CU-E15DBE) 	CS-E15HB4EA (CU-E15HBEA) 	CS-E10JD3EA (CU-E10HBEA) 
CS-E12GFEW (CU-E12GFE-1) 		CS-E18HB4EA (CU-E18HBEA) 	CS-E15JD3EA (CU-E15HBEA) 
CS-E18GFEW (CU-E18GFE-1) 	CS-E18DTEW (CU-E18DBE) 		CS-E18JD3EA (CU-E18HBEA) 
	CS-E21DTEW (CU-E21DBE) 	CS-E21HB4EA (CU-E21HBEA) 	
 23dB CS-E18GFEW	 (option)	 (option)	

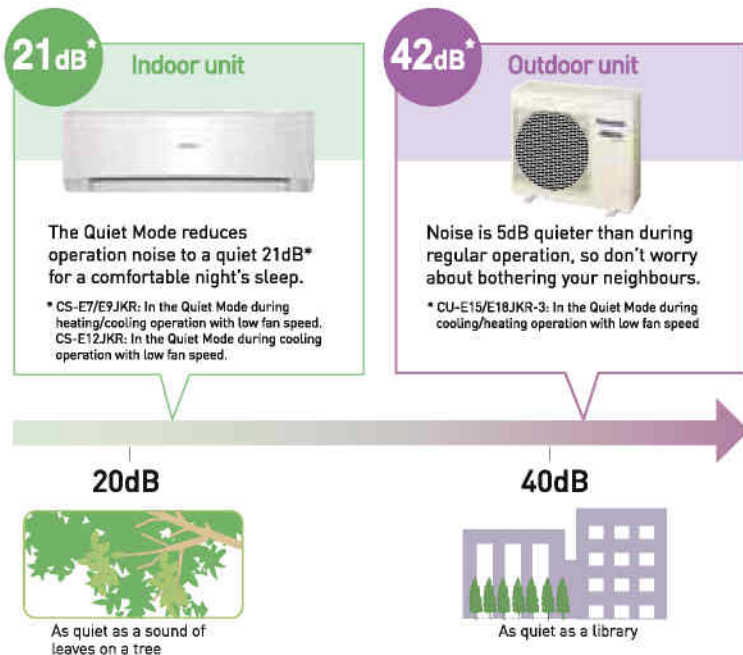
Cassette (4-way)	Hide-Away	Outdoor	2 rooms	4 rooms
 p.20-p.21	 p.20-p.21			
	CS-E10JD3EA		 CU-2E18CBPGW (4.4-6.4kW)	 CU-4E23JBE (5.0-11.0kW)
CS-E15HB4EA	CS-E15JD3EA			 CU-4E27CBPG (5.0-13.6kW)
CS-E18HB4EA	CS-E18JD3EA			
CS-E21HB4EA				
 (option)	 24dB CS-E10JD3EA			

See the table on page 21 for indoor unit and outdoor unit combinations.
*Indoor units combination range

Industry-leading quiet operation for more comfort

Quiet Mode

The Quiet Mode is even more effective than before during both cooling and heating. As well as providing quieter indoor unit operation, it offers a function that also reduces outdoor unit noise.



Outstanding Energy-Saving Performance

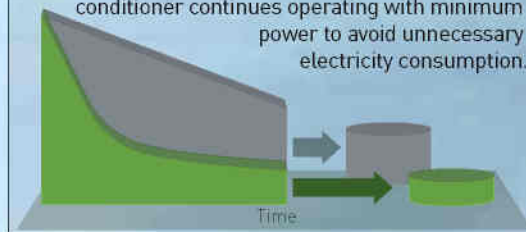
Dramatically Cut in Power Consumption for Big Savings

eco
ideas

Panasonic inverter air conditioners provide exceptional energy-saving performance that ranks among the highest in the industry. This dramatically cuts electricity consumption and CO₂ emissions, allowing an environment-friendly operation.

The key lies in the inverter's smart control

After reaching the set temperature, an inverter air conditioner continues operating with minimum power to avoid unnecessary electricity consumption.



■ During Heating



■ During Cooling



^{*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

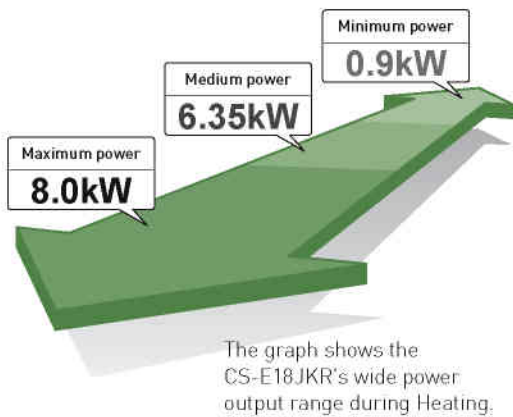
^{*2} Comparison of cumulative electricity consumption during 8 hours of cooling [Panasonic in-house comparison] Test conditions: Room temperature at start: 35°C / Setting temperature: 25°C

How can an inverter save energy?

The inverter constantly adjusts compressor rotation speed to provide optimum performance at all times. This extremely precise operation enables quick cooling while reducing power consumption compared to conventional non-inverter units.



■ Even Wider Output Power Range



More Advantages with Panasonic

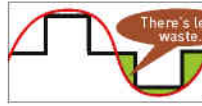


DC Inverter (Hyper Wave Inverter)

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

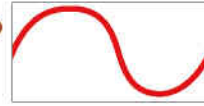
■ Our conventional inverter

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.

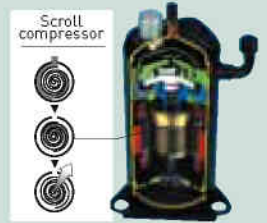
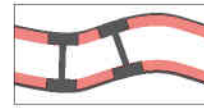


Compare this to a car rounding a corner

Power is wasted when the car swings off course.



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



For CU-E15/E18/E21JKR-3
CU-HE9/12GKE

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.

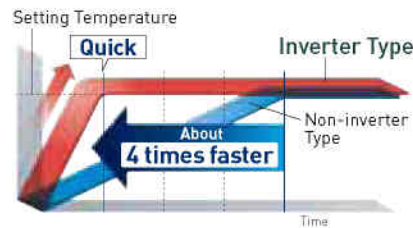
Less noise and vibration:

Smooth, continuously operating vortex blades.

Quick comfort

As soon as the inverter air conditioner is switched on, it provides the exact amount of power needed to rapidly cool or heat the room. This enables it to reach the set temperature in about a quarter of 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



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

Gentle heating when there are more people.



Heating power adjusts to meet changes in room temperature.

Powerful heating when fewer people are in the room.

Temperature Distribution Comparison (Room side view)

Time to reach an average room temperature of 19°C after heating starts

Inverter AC (CS-E9JKR)



Average temperature 19°C

14 min. after

Non-Inverter AC (CS-W9DKR)



Average temperature 12.9°C

About 4 times faster than non-inverter AC

53 min. after

Average temperature 19°C

Test conditions:
Room temperature: 7°C/
Setting temperature: 23°C/
Fan speed: High/Auto swing

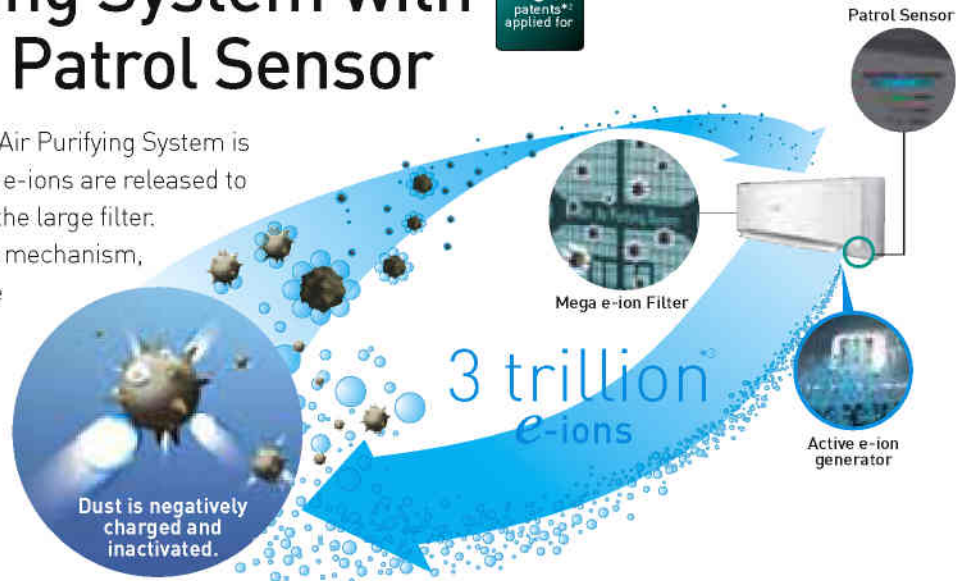
ADVANCED+PLUS

e-ion Air Purifying System with Newly Designed Patrol Sensor

8 patents*² applied for

Panasonic's original, highly acclaimed e-ion Air Purifying System is now 15%*¹ more efficient than before. Active e-ions are released to catch dust particles and bring them back to the large filter. Thanks to this revolutionary boomerang-like mechanism, air is purified throughout the room to provide a healthy, relaxing living environment.

*¹ Compared to 2007 year's models.
 *² Panasonic has applied for 8 patents relate to e-ion Air Purifying technology. (As of May, 2009)
 *³ 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.



Applicable Models: Inverter Deluxe E series

Active e-ion

Active e-ions negatively charge dust particles for effective collection and inactivate 99% of viruses, bacteria and mould. The result is high indoor air quality.



Inactivating Viruses, Bacteria and Mould

Active e-ions are released to catch and inactivate airborne bacteria and mould.

Active e-ion: inactivating mechanism



*The same inactivating mechanism for mould and viruses. / The illustration is simulated

Target substances

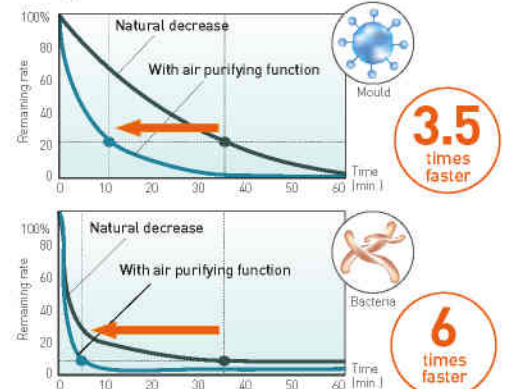


*99% inactivation was certified as follows. Certificated by Japan Food Research Laboratories
 • Test report number: No. 205010211-001 Bacteria: Staphylococcus aureus subsp. aureus [NBRC12732]
 • Test report number: No. 204101750-001 Virus: Influenza virus A.

Inactivates more than **99%**

Removal performance

Change in airborne mould and bacteria



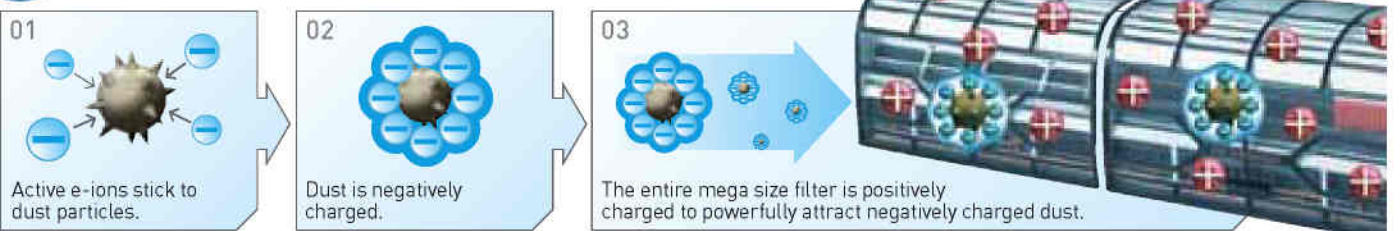
Measurement conditions

Certificated 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).



Negatively Charges Dust for Dramatically Faster Collection

Active e-ions negatively charge dust particles for effective collection.



*The illustration is simulated

Newly Designed 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.

How It Works

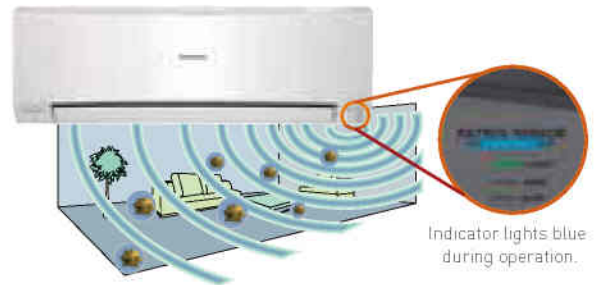
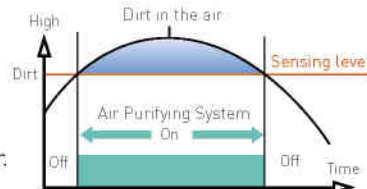
Monitoring

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.



Indicator lights blue during operation.

This kind of dirt is detected

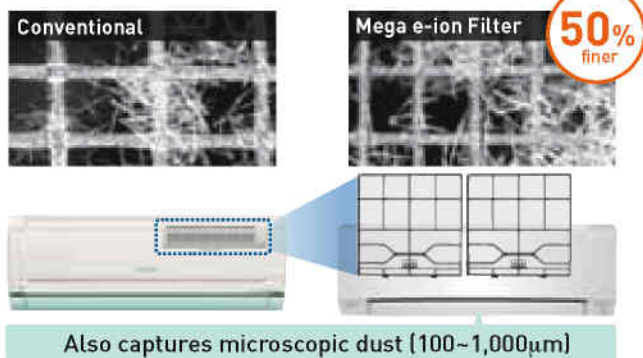


Mega e-ion Filter

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

Bigger Size, Finer Mesh

The filter covers the entire grille area.



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

Electric Charging

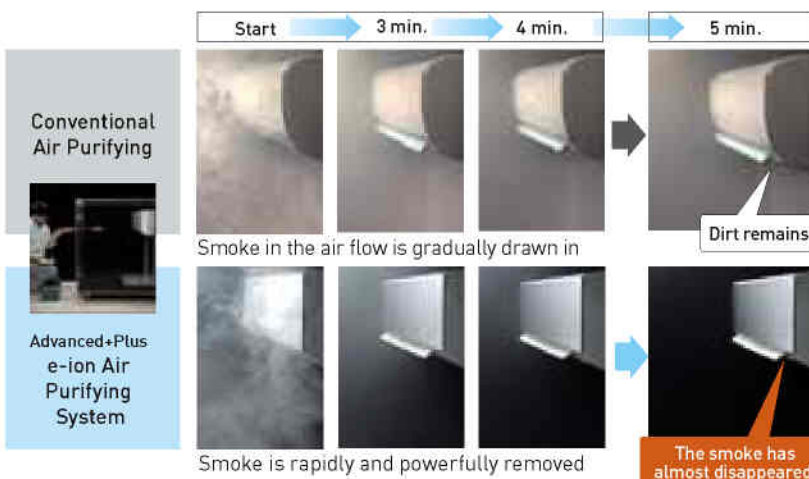
Electric Induction Fibres extend across the entire area of the filter for charging.



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

Electric Dust Collection for More Efficient Purification

A smoke collection test demonstrated exceptional purifying performance.



Comparison with Conventional Filter



Comparison with Conventional e-ion Air Purifying System



*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.

Deluxe
E series



Advanced Plus
e-ion
Air Purifying System

Cool, Stylish and Energy Saving

Heating
Possible
-15°C

Panasonic air conditioners have been restyled in a beautiful and stylish way. With a highly functional and beautiful new design, they bring your room interior a step up in refinement.



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



Advanced Plus e-ion Air Purifying System with Newly Designed Patrol Sensor



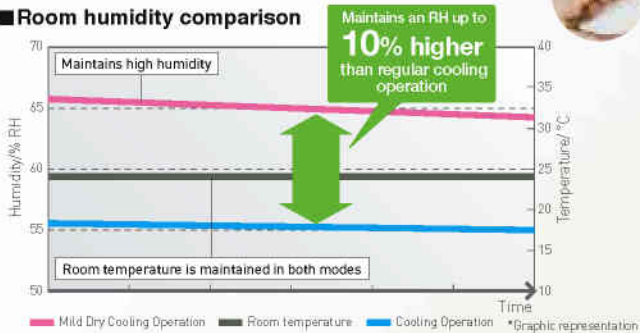
A revolutionary new mechanism catches dust particles and brings them back to the filter, working with the Patrol Sensor to thoroughly clean the air.



Mild Dry Cooling

- Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. (Maintains an RH* up to 10% higher than cooling operation. *RH: Relative Humidity)
- Ideal when sleeping with the air conditioner on.

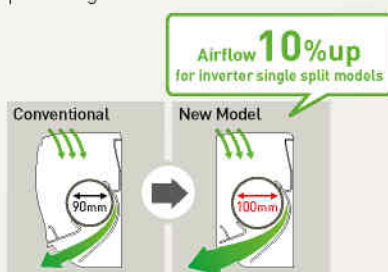
Room humidity comparison



Test conditions: •Set cooling temperature: 24°C •Outdoor environment: about 30°C, about 80%RH •Measured in a Panasonic laboratory (26m²)

Powerful Airflow with a Larger Cross Flow Fan

Panasonic's new models feature a large cross flow fan with improved design. The fan's larger diameter dramatically increases airflow. A powerful breeze rapidly cools the room to a comfortable temperature. And because the breeze reaches a wider area, the temperature is evenly distributed throughout the room, providing extra comfort.



Thanks to the large fan and improved fan circuitry, airflow is larger than before.

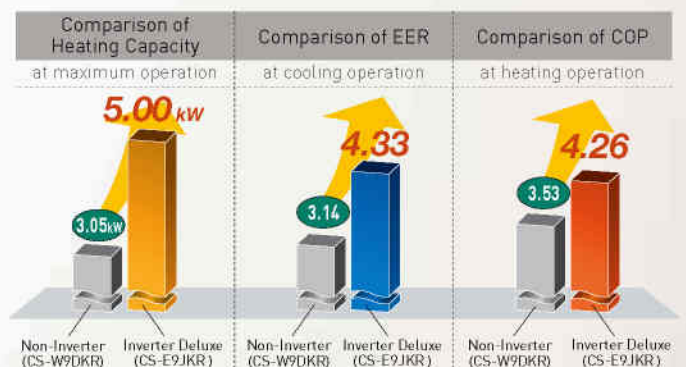


*Except CS-E24/E26JKR

energy saving

Top-Class 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, Star rating, 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.



quiet

Super Quiet



The indoor unit delivers whisper-quiet operation and the noise of the outdoor unit has also been reduced. Better still, using the Quiet Mode lowers noise even further to just 21dB*¹ for the indoor unit and 42dB*² for the outdoor unit. So now you can enjoy a comfortable night's sleep without bothering the neighbours.

*1 CS-E7/E9JKR: In the Quiet mode during heating/cooling operation with low fan speed. CS-E12JKR: In the Quiet mode during cooling operation with low fan speed. *2 CU-E15/E18JKR-3: In the Quiet mode during cooling/heating operation with low fan speed.

powerful heating

Heating Possible at -15°C



Providing outstanding cold climate performance, Panasonic Air Conditioners let you enjoy stable heating even when the outside temperature is below freezing. Add to this exceptional durability and reliability and you're looking at worry-free operation for round-the-clock comfort during the harsh winter.

* Applicable Models: CS-E7/E9/E12/E15/E18/E21JKR

economical

Economy Mode



The Economy mode reduces energy consumption by up to 20%* compared to the Normal mode by automatically adjusting the set temperature by up to 3°C. It's ideal when you want to maintain room temperature for gentle cooling and heating.

* Panasonic figures, at an outside temperature of DB35 °C /WB24 °C and set temperature of 25 °C [Cooling operation], at an outside temperature of DB7 °C /WB6 °C and set temperature of 23 °C [Heating operation].

Deluxe
HE series



Heating
Possible
-20°C*

+

High
COP

Powerful Heating Plus Top-Class Energy Efficiency

Powerful heating is yours even during the coldest months of the year. Better still, energy-saving operation means you don't have to worry about expensive electricity bills even when using the unit for extended periods.

Unique design delivering a powerful jet stream of warm air toward your feet

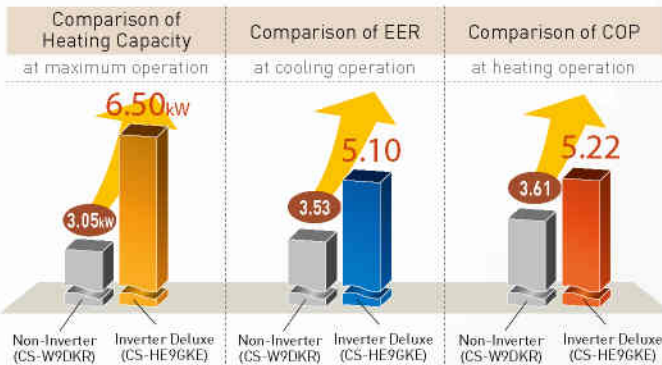


energy saving

Top-Class Energy Efficiency



Our air conditioners have attained the highest Energy-Efficiency Classification, which places them in the industry's top class of energy savers.



powerful heating

Heating Possible at -20°C



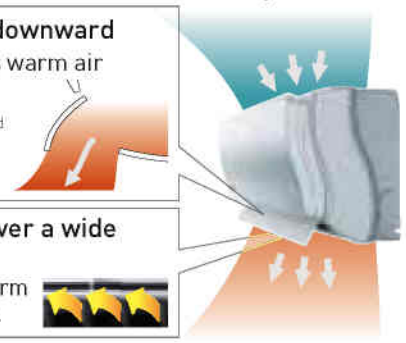
Providing outstanding cold climate performance, Panasonic air conditioners let you enjoy stable heating even when the outside temperature is below freezing. And to assure uniform heating throughout the house, a big flap deflects warm air toward the floor to keep your feet comfortable.

■ Sends a jet stream of warm air toward your feet

Forces warm air downward

The big flap deflects warm air toward the floor:

- The flap opens downward and forces warm air down.
- Delivers a powerful flow of warm air toward your feet.



Sends warm air over a wide horizontal area

You can direct the warm air where you want it.

■ Powerful, energy-saving scroll compressor

Panasonic air conditioners use a scroll compressor featuring the latest technologies to provide quiet, highly efficient, environment-friendly operation.



quiet

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 24dB.

24dB^{*1}
Indoor



47dB^{*2}
Outdoor



*1 CS-HE9GKE: In the Quiet mode during heating operation with low fan speed. In cooling mode, operation noise further decreased to 23dB.
*2 CU-HE9GKE: In heating mode.

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

Elegant Design

Featuring a Drive Flat Panel that opens only during operation, the curved form of the elegant, stylish design projects the image of naturally flowing air.



Deluxe Slim TE series



Heating
Possible
-10°C

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



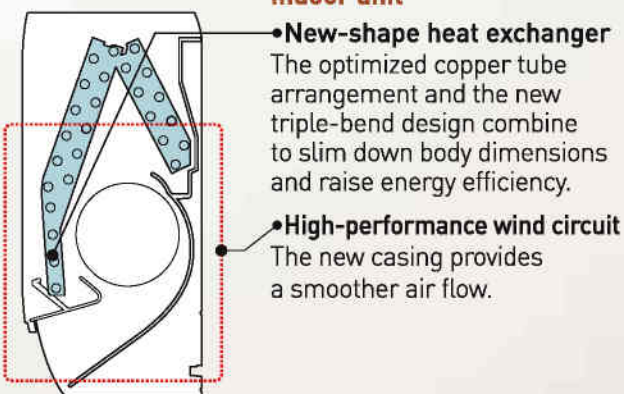
Slim & compact size

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

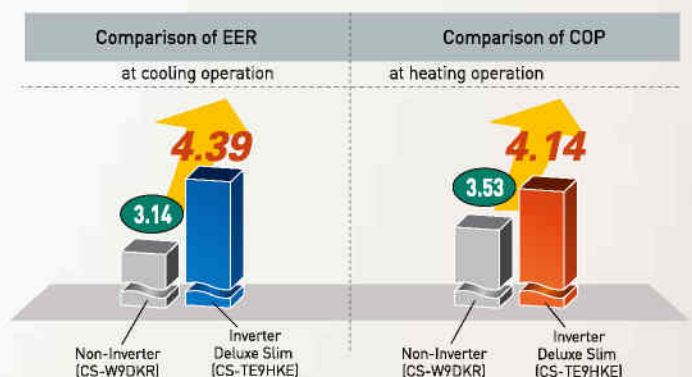
Indoor unit



energy saving

Powerful heating and top-class energy efficiency

Despite their compact size, our Deluxe Slim models offer both high capacity and an energy-saving performance that places them at the top of their class industry-wide. 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

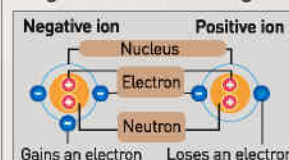
Ion Freshener



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.



Floor Console

Heating
Possible
-15°C

Slim and Elegant Appearance

A neat fit even in limited space

Thanks to the floor console's slim, compact design, you can install it even where space is limited. What's more, although small, the unit is surprisingly powerful and energy-saving.



Comfortable up-down bidirectional airflow warms the entire room down to your toes



energy saving

Powerful Heating and Top-Class Energy Efficiency



Despite their compact size, our Floor Console models offer both high capacity and an energy-saving performance that places them at the top of their class industry-wide. These models prove that it's possible to achieve compact size while saving energy.

powerful heating

Heating Possible at -15°C



Providing outstanding cold climate performance, Panasonic Air Conditioners let you enjoy stable heating even when the outside temperature is below freezing. Add to this exceptional durability and reliability and you're looking at worry-free operation for round-the-clock comfort during the harsh winter.

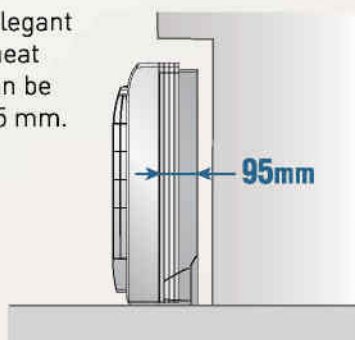
Upper & Lower Vane Blow

Optimum air flow from the top and bottom of the unit assures that even your feet are kept comfortably warm. [Only during heating]

Heating	Cooling
Upward and downward air flow warms the whole room uniformly.	Upward air flow efficiently cools the entire room.

Compact Design

The design features a flat, elegant front panel that provides a neat appearance. And the unit can be recessed into a wall up to 95 mm.



quiet

Super Quiet

The indoor and outdoor units deliver quiet operation. And pressing the Quiet mode button lowers operation noise even further to just 23dB for indoor unit with low fan speed.



23dB^{*1}
Indoor



47dB^{*2}
Outdoor



*1 CS-E9GFEW : In the Quiet mode during cooling/heating operation with low fan speed
E12GFEW: In the Quiet mode during heating operation with low fan speed
*2 CU-E9GFE-1 : In heating mode
E18GFE-1 : In cooling mode

powerful

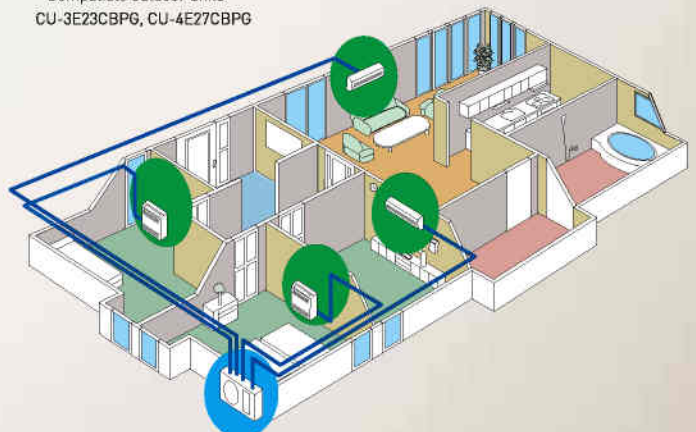
Powerful Mode

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.

Compatible with Multi System

You can use the unit with up to 3 other indoor units, minimizing the space required for outdoor units.

* Compatible outdoor units
CU-3E23CBPG, CU-4E27CBPG



Single Inverter Split Wall-Mounted

Deluxe

NEW



Heating Possible
-15°C



Large Remote Controller



CS-E7JKR-3/
E9JKR-3/
E12JKR-3



CS-E15JKR-3

Model No	CS-E7JKR	CS-E9JKR
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)
(Btu/h)	7,000(2,390-8,200)/9,500(2,390-13,600)	8,870(2,730-10,200)/12,300(2,730-17,100)
EER/COP(W/W)	4.27/4.31	4.33/4.26
Star Rating	6.0/6.0	6.0/6.0

Model No	CS-E12JKR	CS-E15JKR-3
Capacity(kW)	3.50(0.80-4.00)/4.90(0.80-6.70)	4.40(0.90-5.00)/5.50(0.90-7.10)
(Btu/h)	11,900(2,730-13,600)/16,700(2,730-22,800)	15,000(3,070-17,100)/18,800(3,070-24,200)
EER/COP(W/W)	3.85/3.89	3.21/3.50
Star Rating	6.0/5.5	4.5/4.5

QUIET (Cooling)	21dB (E7/E9)	26dB (E12)	27dB (E15)
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QUIET	42dB (E15JKR)
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Deluxe Wide

NEW



Heating Possible
-15°C

CS-E18/E21JKR

Heating Possible
-10°C

CS-E24/E28JKR



Large Remote Controller



CS-E18JKR-3/
E21JKR-3/
E24JKR/
E28JKR

Model No	CS-E18JKR	CS-E21JKR
Capacity(kW)	5.30(0.90-6.00)/6.35(0.90-8.00)	6.30(0.90-7.10)/7.20(0.90-8.50)
(Btu/h)	18,100(3,070-20,500)/21,700(3,070-27,300)	21,500(3,070-24,200)/24,600(3,070-29,000)
EER/COP(W/W)	3.31/3.71	3.06/3.60
Star Rating	5.0/5.0	4.0/4.5

Model No	CS-E24JKR	CS-E28JKR
Capacity(kW)	7.40(0.90-8.10)/8.60(0.90-9.90)	8.00(0.90-8.60)/9.60(0.90-11.00)
(Btu/h)	25,200(3,070-27,600)/29,300(3,070-33,800)	27,300(3,070-29,300)/32,700(3,070-37,500)
EER/COP(W/W)	3.05/3.43	3.02/2.95
Star Rating	4.5/4.0	4.0/3.0

QUIET (Cooling)	29dB (E18)	32dB (E21)	34dB (E24)	35dB (E28)
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QUIET	42dB (E18JKR)	44dB (E21JKR)	47dB (E24JKR)	48dB (E28JKR)
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* 43dB (Cooling)



In the Quiet mode during heating operation with low fan speed

In the Quiet mode during heating/cooling operation with low fan speed

Star Rating(heating)



Reverse cycle Cooling/Heating

Deluxe



Heating Possible -20°C



CU-HE9GKE/HE12GKE



Model No (230V)	CS-HE9GKE	CS-HE12GKE
Capacity(kW)	2.60(0.60~3.00)/3.60(0.60~6.50)	3.50(0.60~4.00)/4.80(0.60~7.70)
(Btu/h)	8,870(2,050~10,200)/12,300(2,050~22,200)	11,900(2,050~13,600)/16,400(2,050~26,300)
EER/COP(W/W)	5.10 /5.22	4.12/4.62
Star Rating	6.0 /6.0	6.0 /6.0

* The figure measured at 230V



Deluxe Slim



Large Remote Controller

Heating Possible -10°C



CU-TE9HKE/TE12HKE



Model No (230V)	CS-TE9HKE	CS-TE12HKE
Capacity(kW)	2.50(0.80~3.00)/3.60(0.80~4.60)	3.50(0.80~4.00)/4.20(0.80~5.50)
(Btu/h)	8,530(2,730~10,200)/12,300(2,730~15,700)	11,900(2,730~13,600)/14,300(2,730~18,800)
EER/COP(W/W)	4.39/4.14	3.68/3.96
Star Rating	6.0/6.0	6.0/5.0

* The figure measured at 230V



Floor Console



Heating Possible -15°C



CU-E9GFE-1/ E12GFE-1



CU-E18GFE-1



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)
(Btu/h)	8,500(2,700~10,200)/12,300(2,700~17,100)	11,900(2,700~13,000)/16,400(2,700~20,800)	17,100(3,100~19,100)/19,800(3,100~24,200)
EER/COP(W/W)	4.39/4.16	3.63/3.64	3.23/3.63
Star Rating	6.0/6.0	6.0/5.0	4.5/5.0





Reverse cycle Cooling/Heating

Single Inverter Split

Floor or Ceiling



Indoor unit: installed in a ceiling



Indoor unit: installed on a floor



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)
(Btu/h)	14,200(3,070-15,500)/17,600(3,070-21,500)	17,100(3,070-18,400)/20,800(3,070-25,900)	19,800(3,070-22,500)/23,200(3,070-27,600)
EER/COP(W/W)	3.22/3.34	3.01/3.35	3.01/3.42
Star Rating	4.5/4.0	4.0/4.0	4.0/4.0



Cassette (4-way)



Panel CZ-BT20E



CS-E15HB4EA/
E18HB4EA



CS-E21JB4EA



CU-E15HBEA/
E18HBEA/
E21HBEA

Model No	CS-E15HB4EA	CS-E18HB4EA	CS-E21HB4EA
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)
(Btu/h)	14,000(3,070-16,400)/17,400(3,070-21,100)	16,400(3,070-19,400)/19,100(3,070-24,200)	20,100(3,070-21,500)/23,900(3,070-27,300)
EER/COP(W/W)	3.15/2.88	3.14/2.95	2.88/2.86
Star Rating	4.5/3.0	4.5/3.0	3.5/2.5



Hide-Away

NEW



CS-E10JD3EA



CS-E15JD3EA



CS-E18JD3EA



CU-E10HBEA



CU-E15HBEA/
E18HBEA

Model No	CS-E10JD3EA	CS-E15JD3EA	CS-E18JD3EA
Capacity(kW)	2.50(0.60-3.00)/3.20(0.60-5.00)	4.10(0.90-4.70)/4.80(0.90-5.50)	5.10(0.90-5.70)/6.10(0.90-7.10)
(Btu/h)	8,530(2,050-10,200)/10,900(2,050-17,100)	14,000(3,070-16,000)/16,400(3,070-18,800)	17,400(3,070-19,400)/20,800(3,070-24,200)
EER/COP(W/W)	3.68/3.64	3.31/2.64	3.15/3.30

Single Split Wall-Mounted

Deluxe



CU-W7DKR/
W9DKR



CU-W12EKR

Model No	CS-W7DKR	CS-W9DKR	CS-W12EKR
Capacity(kW)	2.30/2.45	2.75/3.05	3.60/3.90
(Btu/h)	7,840/8,350	9,380/10,400	12,300/13,300
EER/COP(W/W)	3.19/3.58	3.14/3.53	3.27/3.58
Star Rating	5.0/6.0	4.5/5.5	4.5/4.5



*CS-W12EKR
Different design
Without Ion Freshener

Deluxe Wide



CU-W18DKR/W24EKR



Large
Remote
Controller

Model No	CS-W18DKR	CS-W24EKR
Capacity(kW)	5.30/5.75	7.03/7.80
(Btu/h)	18,100/19,600	24,000/26,600
EER/COP(W/W)	2.93/3.19	2.97/3.17
Star Rating	4.0/3.5	3.5/3.0

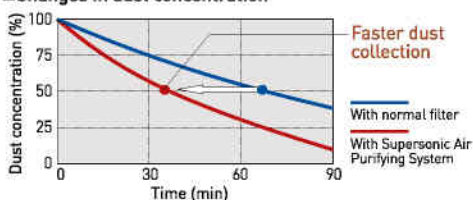


Supersonic Air Purifying System with SUPER alleru-buster

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



- 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 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.



Multi Inverter Split

Indoor Unit	Wall-Mounted		Floor Console	
	Deluxe			
				
	<p>Model No CS-E7JKEW CS-E9JKEW CS-E12JKEW CS-E15JKEW*1</p> <p>Cooling Capacity 2.2kW class 2.8kW class 3.2kW class 4.0kW class</p>		<p>Model No CS-E9GFEW CS-E12GFEW CS-E18GFEW*1</p> <p>Cooling Capacity 2.8kW class 3.2kW class 5.0kW class</p>	
	<p>Model No CS-E18JKEW*1 CS-E21JKEW**2 *Only to be used with CU-4E23JBE</p> <p>Cooling Capacity 5.0kW class 6.0kW class</p>			
	 			
Cassette (1-way)		Cassette (4-way)		
				
Panel CZ-BT20P		Panel CZ-BT20E		
<p>Model No CS-ME7EB1E CS-ME10EB1E CS-ME14EB1E</p> <p>Cooling Capacity 2.2kW class 2.8kW class 4.0kW class</p>		<p>Model No CS-E15HB4EA*1 CS-E18HB4EA*1 CS-E21HB4EA*2</p> <p>Cooling Capacity 4.0kW class 5.0kW class 6.0kW class</p>		
		 (option)		
Floor or Ceiling		Hide-Away		
				
<p>Model No CS-ME10DTEG CS-E15DTEW*1 CS-E18DTEW*1</p> <p>Cooling Capacity 2.8kW class 4.0kW class 5.0kW class</p>		<p>Model No CS-E10JD3EA CS-E15JD3EA*1 CS-E18JD3EA*1</p> <p>Cooling Capacity 2.8kW class 4.0kW class 5.0kW class</p>		
 (option)				

Outdoor Unit	2 rooms	4 rooms		Additional Parts	
					
	CU-2E18CBPGW	CU-4E23JBE	CU-4E27CBPG	CZ-MA1P	CZ-MA2P
	Heating Possible -10°C	Heating Possible -15°C	Heating Possible -10°C	<p>For the indoor units marked with a star (★1), the pipe size reducer must be used at the indoor unit's connection port.</p> <p>For the indoor units marked with a star (★2), the pipe size expander must be used at the outdoor unit's connection port.</p>	

Advantages of the Multi Inverter System

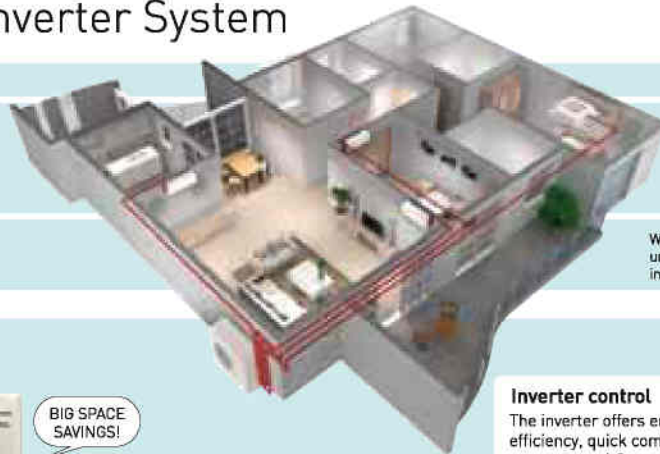
Indoor unit

A variety of indoor units

Air-quality features (Wall-mounted type only)

- Advanced Plus e-ion Air Purifying System
- Newly Designed Patrol Sensor

Adjust the operation settings for each indoor unit independently



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

Outdoor unit

Space-saving

68% less space than four single split types.



Single Split Type CU-E9GFE-1



BIG SPACE SAVINGS!
CU-4E27CBPG

Inverter control

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

Combination Patterns

Models	Indoor Units: Possible Combination Patterns Must be within capacity range.	Indoor Units Combination 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 5.2kW Dimensions (HxWxD): 540 x 780(+70) x 289 mm Weight: 38 kg	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	•			•	•	
			Room C	ø 6.35	ø 9.52						3.2	•					
* At least two indoor units must be connected.		Make sure to keep combinations within this range.															
4 rooms 6.8kW Dimensions (HxWxD): 795 x 875(+70) x 320 mm Weight: 73 kg	PORT A 2.2 2.8 3.2 4.0 5.0 6.0 * Either unit. PORT B 2.2 2.8 3.2 4.0 5.0 6.0 * Either unit. PORT C 2.2 2.8 3.2 4.0 5.0 6.0 * Either unit. PORT D 2.2 2.8 3.2 4.0 5.0 6.0 * Either unit.	5.0 11.0 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	•	•	•	•	•	•
			Room D	ø 6.35	ø 9.52						4.0	•	•	•	•	•	•
			Room E	ø 6.35	ø 9.52						5.0	•	•	•	•	•	•
* At least two indoor units must be connected.		Make sure to keep combinations within this range.															
CU-4E27CBPG 8.0kW Dimensions (HxWxD): 908 x 900 x 320 mm Weight: 73 kg	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	•	•	•	•	•	
			Room D	ø 6.35	ø 9.52						4.0	•	•	•	•	•	
* At least two indoor units must be connected.		Make sure to keep combinations within this range.															

Specifications

Single Inverter Split



Cooling (): Outdoor Unit
Heating COP: Heating Efficiency
EER: Cooling Efficiency
COP: Heating Efficiency

Model No. (240V)	Cooling Capacity Heating Capacity		Air Flow	Dehumid	Running Current	Power Input	EER COP	Star Rating	Sound Pressure Level** dB (A)		Sound Power Level dB (A)	Net Weight	Dimensions Height x Width x Depth	Pipe Extension Length	Pipe Length for Additional Gas	Additional Gas Amount	Power Supply
	kW	Btu/h	L/s	L/h	A	kW	W/W		Indoor(H)S(L)	Outdoor(H)S(L)	Outdoor(H)S(L)	kg	mm	Min.-Max.m	m	g/m	
CS-E7JKR (CU-E7JKR-3)	2.05 (0.70-2.40) 2.80 (0.70-4.00)	7,000 (2,390-8,180) 9,550 (2,790-13,800)	182 190	1.3	2.2 3.0	0.48 (0.17-0.59) 0.85 (0.16-1.02)	4.27 4.31	6.0 6.0	37/24/21 38/25/21	45/- 46/-	58/- 59/-	9 (33)	290 x 870 x 204 (540 x 780 x 289)	3-15	7.5	20	Outdoor
CS-E9JKR (CU-E9JKR-3)	2.60 (0.80-3.00) 3.60 (0.80-5.00)	8,870 (2,730-10,200) 12,300 (2,730-17,100)	180 190	1.6	2.8 3.8	0.60 (0.175-0.78) 0.845 (0.165-1.38)	4.33 4.26	6.0 6.0	38/25/21 39/27/21	46/- 48/-	59/- 59/-	9 (34)	290 x 870 x 204 (540 x 780 x 289)	3-15	7.5	20	Outdoor
CS-E12JKR (CU-E12JKR-3)	3.50 (0.80-4.00) 4.90 (0.80-6.70)	11,900 (2,730-13,800) 16,700 (2,730-22,800)	202 207	2.0	4.0 5.6	0.91 (0.165-1.20) 1.28 (0.175-1.89)	3.85 3.89	6.0 5.5	41/28/21 41/29/28	48/- 49/-	61/- 62/-	9 (35)	290 x 870 x 204 (540 x 780 x 289)	3-15	7.5	20	Outdoor
CS-E15JKR-3 (CU-E15JKR-3)	4.40 (0.90-5.00) 5.50 (0.90-7.10)	15,000 (3,070-17,100) 18,800 (3,070-24,200)	208 223	2.4	6.1 7.1	1.37 (0.215-1.60) 1.57 (0.245-2.25)	3.21 3.50	4.5 4.5	43/30/23 43/31/27	47/42 47/42	60/55 60/55	9 (48)	290 x 870 x 204 (750 x 875 x 345)	3-15	7.5	20	Outdoor
CS-E18JKR (CU-E18JKR-3)	5.30 (0.80-6.00) 6.35 (0.90-8.00)	18,100 (3,070-20,500) 21,700 (3,070-27,300)	267 295	2.9	7.0 7.8	1.60 (0.215-2.05) 1.71 (0.245-2.85)	3.31 3.71	5.0 5.0	42/34/31 42/33/29	47/42 47/42	60/55 60/55	12 (50)	290 x 1070 x 235 (795 x 875 x 320)	3-20	10	20	Outdoor
CS-E21JKR (CU-E21JKR-3)	6.30 (0.80-7.10) 7.20 (0.90-8.50)	21,500 (3,070-24,200) 24,800 (3,070-29,000)	302 313	3.5	9.2 8.9	2.06 (0.215-2.40) 2.00 (0.245-2.70)	3.06 3.60	4.0 4.5	45/38/33 45/35/32	48/43 49/44	61/56 62/57	12 (50)	290 x 1070 x 235 (795 x 875 x 320)	3-20	10	20	Outdoor
CS-E24JKR (CU-E24JKR)	7.40 (0.80-8.10) 8.60 (0.90-9.80)	25,200 (3,070-27,800) 29,300 (3,070-33,800)	307 338	4.3	11.0 11.3	2.43 (0.36-2.70) 2.51 (0.36-3.20)	3.05 3.43	4.5 4.0	46/37/34 46/37/34	52/47 52/47	66/61 66/61	12 (59)	290 x 1070 x 235 (795 x 875 x 320)	3-30	10	30	Outdoor
CS-E28JKR (CU-E28JKR)	8.00 (0.80-8.80) 9.60 (0.90-11.00)	27,900 (3,070-29,300) 32,700 (3,070-37,500)	340 348	4.7	12.0 14.9	2.85 (0.35-2.95) 3.25 (0.36-3.79)	3.02 2.95	4.0 3.0	49/38/35 49/38/35	53/48 53/48	67/62 67/62	12 (60)	290 x 1070 x 235 (795 x 875 x 320)	3-30	10	30	Outdoor
CS-HE9GKE** (CU-HE9GKE)	2.60 (0.80-3.00) 3.60 (0.80-5.50)	8,870 (2,050-10,200) 12,300 (2,050-22,200)	175 208	1.6	2.4 3.2	0.51 (0.12-0.70) 0.69 (0.115-1.72)	5.10 5.22	6.0 6.0	38/26/23 42/27/24	46/- 47/-	59/- 60/-	12 (37)	298 x 870 x 198 (540 x 780 x 289)	3-15	7.5	20	Indoor
CS-HE12GKE** (CU-HE12GKE)	3.50 (0.80-4.00) 4.80 (0.80-7.70)	11,900 (2,050-13,800) 16,400 (2,050-28,300)	188 225	2.0	4.0 4.8	0.85 (0.12-1.05) 1.04 (0.115-2.28)	4.12 4.62	6.0 6.0	42/29/26 44/33/30	48/- 50/-	61/- 63/-	12 (37)	298 x 870 x 198 (540 x 780 x 289)	3-15	7.5	20	Indoor
CS-TE9HKE** (CU-TE9HKE)	2.50 (0.80-3.00) 3.60 (0.80-4.80)	8,530 (2,730-10,200) 12,300 (2,730-15,700)	153 175	1.5	2.6 4.0	0.57 (0.175-0.73) 0.87 (0.165-1.15)	4.39 4.14	6.0 6.0	39/26/23 40/27/24	46/- 47/-	59/- 60/-	8 (34)	298 x 799 x 139 (540 x 780 x 289)	3-15	7.5	20	Indoor
CS-TE12HKE** (CU-TE12HKE)	3.50 (0.80-4.00) 4.20 (0.80-5.50)	11,900 (2,730-13,800) 14,300 (2,730-18,800)	165 182	2.0	4.4 4.9	0.95 (0.185-1.17) 1.06 (0.175-1.50)	3.68 3.95	6.0 5.0	42/29/26 42/33/30	48/- 50/-	61/- 63/-	8 (34)	298 x 799 x 139 (540 x 780 x 289)	3-15	7.5	20	Indoor
CS-E9GFEW (CU-E9GFE-1)	2.50 (0.80-3.00) 3.60 (0.80-5.00)	8,500 (2,700-10,200) 12,300 (2,700-17,100)	155 180	1.4	2.85 3.90	0.57 (0.175-0.78) 0.865 (0.165-1.38)	4.39 4.16	6.0 6.0	39/27/23 39/27/23	46/- 47/-	59/- 60/-	14 (34)	600 x 700 x 210 (540 x 780 x 289)	3-15	7.5	20	Outdoor
CS-E12GFEW (CU-E12GFE-1)	3.50 (0.80-3.80) 4.80 (0.80-5.10)	11,900 (2,700-13,800) 16,400 (2,700-20,800)	158 167	2.0	4.25 5.80	0.985 (0.185-1.14) 1.32 (0.175-1.77)	3.63 3.64	6.0 5.0	39/28/24 39/27/23	48/- 50/-	61/- 63/-	14 (34)	600 x 700 x 210 (540 x 780 x 289)	3-15	7.5	20	Outdoor
CS-E18GFEW (CU-E18GFE-1)	5.00 (0.80-5.80) 5.80 (0.90-7.10)	17,100 (3,100-19,100) 19,800 (3,100-24,200)	183 217	2.8	6.90 6.95	1.55 (0.255-1.91) 1.80 (0.26-2.30)	3.23 3.63	4.5 5.0	44/36/32 44/36/32	47/- 48/-	60/- 61/-	14 (49)	600 x 700 x 210 (750 x 875 x 345)	3-20	10	20	Outdoor

**1 Sound Pressure Level is measured according to JIS C 9612
**2 The figure measured at 230V

Single Inverter Split



Cooling (): Outdoor Unit
Heating COP: Heating Efficiency

Model No.	Cooling Capacity		Air Flow	Dehumid	External Static Pressure	Running Current	Power Input	EER COP	Star Rating	Sound Pressure Level** dB (A)		Sound Power Level dB (A)	Net Weight	Dimensions Height x Width x Depth	Pipe Extension Length	Pipe Length for Additional Gas	Additional Gas Amount	Power Supply
	Heating Capacity	Capacity								Indoor (H/L/S)	Outside (H/L)							
(240V)	kW	Btu/h	L/s	L/h	Pa(mmAq)	A	kW	W/W				kg	mm	Min-Max m	m	g/m		
CS-E15DTEW (CU-E15DBE)	4.15 (0.90-4.55) 5.17 (0.90-5.30)	14,200 (3,070-15,500) 17,600 (3,070-21,500)	200 203	2.4	—	5.9 7.0	1.29 (0.255-1.55) 1.55 (0.26-2.05)	3.22 3.34	4.5 4.0	46/37/34 45/33/30	46/— 47/—	59 60	17 (48)	540 x 1,028 x 200 (750 x 875 x 345)	3-20	10	20	Outdoor
CS-E18DTEW (CU-E18DBE)	5.00 (0.90-5.40) 6.10 (0.90-7.50)	17,100 (3,070-18,400) 20,800 (3,070-25,900)	208 212	2.8	—	7.4 8.1	1.66 (0.255-1.89) 1.82 (0.26-2.38)	3.01 3.35	4.0 4.0	46/39/36 47/35/32	47/— 48/—	60 61	18 (48)	540 x 1,028 x 200 (750 x 875 x 345)	3-20	10	20	Outdoor
CS-E21DTEW (CU-E21DBE)	5.80 (0.90-6.80) 6.80 (0.90-8.10)	19,800 (3,070-22,500) 23,200 (3,070-27,600)	218 220	3.2	—	8.6 8.8	1.93 (0.255-2.24) 1.99 (0.26-2.69)	3.01 3.42	4.0 4.0	47/41/38 47/37/34	48/— 49/—	61 62	20 (49)	540 x 1,028 x 200 (750 x 875 x 345)	3-20	10	20	Outdoor
CS-E15HB4EA (CU-E15HBEA)	4.10 (0.90-4.80) 5.10 (0.90-6.20)	14,000 (3,070-16,400) 17,400 (3,070-21,100)	175 180	2.3	—	5.9 7.9	1.30 (0.255-1.71) 1.77 (0.26-2.18)	3.15 2.88	4.5 3.0	34/26/23 35/28/25	45/— 47/—	58 60	18 [Panel] 2.5 (48)	260 x 575 x 575 [Panel] [51 x 700 x 700] [51 x 700 x 700] (750 x 875+68 x 345)	3-20	10	20	Outdoor
CS-E18HB4EA (CU-E18HBEA)	4.80 (0.90-5.70) 5.60 (0.90-7.10)	16,400 (3,070-19,400) 19,100 (3,070-24,200)	183 192	2.6	—	6.9 8.3	1.53 (0.255-1.83) 1.90 (0.26-2.45)	3.14 2.95	4.5 3.0	36/28/25 37/29/26	47/— 48/—	60 61	18 [Panel] 2.5 (48)	260 x 575 x 575 [Panel] [51 x 700 x 700] (750 x 875+68 x 345)	3-20	10	20	Outdoor
CS-E21HB4EA (CU-E21HBEA)	5.90 (0.90-6.30) 7.00 (0.90-8.00)	20,100 (3,070-21,500) 23,900 (3,070-27,800)	213 233	3.3	—	9.0 10.8	2.05 (0.255-2.20) 2.45 (0.26-2.82)	2.88 2.86	3.5 2.5	41/33/30 42/34/31	49/— 49/—	62 62	18 [Panel] 2.5 (50)	260 x 575 x 575 [Panel] [51 x 700 x 700] (750 x 875+68 x 345)	3-20	10	20	Outdoor
CS-E10JD3EA (CU-E10HBEA)	2.50 (0.60-3.00) 3.20 (0.60-5.00)	6,530 (2,050-10,200) 10,900 (2,050-17,100)	115 135	1.5	34 (3.5) 64 (8.5)	3.0 4.0	680 (155-850) 880 (135-1,330)	3.68 3.64	6.0 5.0	33/27/24 35/28/25	46/— 47/—	59 60	17 (35)	235 x 750+65 x 370 [540 x 780+68 x 289]	3-20	10	20	Outdoor
CS-E15JD3EA (CU-E15HBEA)	4.10 (0.90-4.70) 4.80 (0.90-5.50)	14,000 (3,070-16,000) 16,400 (3,070-18,600)	132 148	2.3	34 (3.5) 69 (7.0)	5.6 8.1	1.24 (0.255-1.50) 1.82 (0.26-2.09)	3.31 2.64	5.0 1.5	33/27/24 35/28/25	46/— 47/—	59 60	17 (48)	235 x 750+65 x 370 (750 x 875+68 x 345)	3-20	10	20	Outdoor
CS-E18JD3EA (CU-E18HBEA)	5.10 (0.90-5.70) 6.10 (0.90-7.10)	17,400 (3,070-19,400) 20,800 (3,070-24,200)	173 217	2.8	34 (3.5) 78 (8.0)	7.1 8.0	1.62 (0.255-1.84) 1.85 (0.26-2.20)	3.15 3.30	4.5 4.0	41/30/27 41/32/29	47/— 48/—	60 61	18 (48)	285 x 750+65 x 370 (750 x 875+68 x 345)	3-30	10	20	Outdoor

*1 Sound Pressure Level is measured according to JIS C 9612.
*2 Add 68mm for piping port.
*3 Add 65mm for power supply box.

Single Split



Cooling (): Outdoor Unit
Heating COP: Heating Efficiency

Model No.	Cooling Capacity		Air Flow	Dehumid	Running Current	Power Input	EER COP	Star Rating	Sound Pressure Level** dB (A)		Sound Power Level dB (A)	Net Weight	Dimensions Height x Width x Depth	Pipe Extension Length	Pipe Length for Additional Gas	Additional Gas Amount	Power Supply
	Heating Capacity	Capacity							Indoor (H/L/S)	Outside (H/L)							
(240V)	kW	Btu/h	L/s	L/h	A	kW	W/W				kg	mm	Min-Max m	m	g/m		
CS-W7DKR (CU-W7DKR)	2.30 2.45	7,840 8,350	132 152	1.5	3.2 3.0	0.72 0.885	3.19 3.58	5.0 8.0	34/26/23 35/25/23	47 49	62 64	9 (26)	280 x 799 x 183 (510 x 650 x 230)	3-10	7.5	20	Indoor
CS-W9DKR (CU-W9DKR)	2.75 3.05	9,380 10,400	143 162	1.6	3.8 3.8	0.875 0.865	3.14 3.53	4.5 5.5	36/26/23 39/29/23	49 50	64 65	9 (29)	280 x 799 x 183 (510 x 650 x 230)	3-10	7.5	20	Indoor
CS-W12EKR (CU-W12EKR)	3.60 3.90	12,300 13,300	178 192	2.1	5.0 4.9	1.1 1.09	3.27 3.58	4.5 4.5	41/29/26 42/29/26	50 50	65 66	8 (35)	280 x 799 x 183 (540 x 780 x 289)	3-15	7.5	20	Indoor
CS-W18DKR (CU-W18DKR)	5.30 5.75	18,100 19,600	255 267	2.9	7.8 7.8	1.81 1.80	2.93 3.19	4.0 3.5	43/38/35 42/38/35	50 51	63 64	11.0 (56.0)	275 x 998 x 230 (750 x 875 x 345)	3-25	7.5	20	Indoor
CS-W24EKR (CU-W24EKR)	7.03 7.80	24,000 26,600	290 303	4.0	11.1 11.7	2.37 2.46	2.97 3.17	3.5 3.0	47/41/38 46/41/38	53 54	66 67	11.0 (63.0)	275 x 998 x 230 (750 x 875 x 345)	3-25	7.5	30	Indoor

*1 Sound Pressure Level is measured according to JIS C 9612.

Rating Conditions

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

- Power plugs are not supplied with the unit.
- Electrical work must be installed by a licensed electrician. Be sure to use the correct rating of the power plug and mains circuit for the model to be installed.
- Please read the Installation Instructions carefully before installing the unit, and read the Operating Instructions before using.

Specifications

Multi Inverter Split : Indoor Units



Cooling
Heating

Wall-Mounted						
Model (Cooling Capacity)	CS-E7JKEW (2.2 kW class)	CS-E9JKEW (2.8 kW class)	CS-E12JKEW (3.2 kW class)	CS-E15JKEW (4.0 kW class)	CS-E18JKEW (5.0 kW class)	CS-E21JKEW* (6.0 kW class)
Power Source	Single phase, 230 V, 50 Hz					
Noise (Hi/Lo/S-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	46/33/30 46/35/32
Sound Power Level	56/45 56/45	56/45 56/45	60/48 60/48	60/48 60/49	62/49 62/51	62/49 62/51
Fan Output	40	40	40	40	40	40
Dimensions						
Height	290	290	290	290	290	290
Width	870	870	870	870	1,070	1,070
Depth	204	204	204	204	235	235
Net Weight	9.0	9.0	9.0	9.0	12.0	12.0
Connecting Cable	3 + 1 (earth), ø1.5 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	9.52	12.70* ¹	12.70* ¹	12.70* ²

For models with the Air Purifying Filter, the specifications indicate values with the filter removed.
*Only to be used with the CU-4E23JBE

Model (Cooling Capacity)	Floor Console			Floor or Ceiling		
	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/S-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 58/48	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), ø1.5 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* ¹	9.52	12.70* ¹	12.70* ¹

Model (Cooling Capacity)	Cassette (1-way)			Cassette (4-way)			Hide-Away		
	CS-ME7EB1E (2.2 kW class)	CS-ME10EB1E (2.8 kW class)	CS-ME14EB1E (4.0 kW class)	CS-E15HB4EA (4.0 kW class)	CS-E18HB4EA (5.0 kW class)	CS-E21HB4EA (6.0 kW class)	CS-E10JD3EA (2.8 kW class)	CS-E15JD3EA (4.0 kW class)	CS-E18JD3EA (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz								
Noise (Hi/Lo/S-Lo) Sound Pressure Level	40/32/29 42/32/29	40/32/29 42/32/29	43/32/29 44/34/31	34/26/23 35/28/25	36/28/25 37/29/26	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	56/45 57/47	47/39 48/41	49/41 50/42	49/41 50/42	47/43 51/43	49/43 51/44	57/46 57/48
Fan Output	30	30	30	40	40	40	30	30	30
External Static Pressure	—	—	—	—	—	—	25 (2.55)	25 (2.55)	25 (2.55)
Air Circulation	—	—	—	—	—	—	7.0	7.8	10.3
Dimensions									
Height	185	185	185	260	260	260	235	235	285
Width	770	770	770	575	575	575	750	750	750
Depth	360	360	360	575	575	575	370	370	370
Net Weight	9.8	9.8	10.5	18.0	18.0	18.0	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 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	12.70* ¹	12.70* ¹	12.70* ²	9.52	12.70* ¹	12.70* ¹

*1 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.

*2 A pipe size expander (CZ-MA2P) must be used to expand the pipe diameter of the outdoor unit from 9.52mm to 12.7 mm at the connection port of the outdoor unit.

Multi Inverter Split : Outdoor Units



Cooling
Heating

Model No. (50Hz)	CU-2E18CBPGW	CU-4E23JBE	CU-4E27CBPG
Indoor-units Combination	3.2 kW + 3.2 kW	2.2 kW + 2.8 kW + 2.8 kW + 3.2 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	5.2 (1.5 - 5.4)	6.8 (1.9 - 8.8)	8.0 (3.0 - 9.2)
Electrical Data			
Running Current A	7.10	7.50	8.70
Power Input W	1,520 (250 - 1,580)	1,680 (340 - 2,470)	1,980 (530 - 2,870)
EER W/W	3.42	4.05	4.04
Noise			
Sound Pressure Level dB(A)	49	48	48
Sound Power Level dB	64	62	61
Heating Operation			
Capacity kW	5.6 (1.1 - 7.2)	8.6 (3.0 - 10.6)	9.4 (4.2 - 10.6)
Electrical Data			
Running Current A	5.35	8.60	9.10
Power Input W	1,210 (210 - 1,700)	1,850 (580 - 2,600)	2,080 (700 - 3,060)
COP W/W	4.63	4.65	4.52
Noise			
Sound Pressure Level dB(A)	51	49	49
Sound Power Level dB	66	63	62
Maximum Current A	12.0	15.6	19.0
Starting Current A	7.10	8.60	9.10
Compressor Output W	1,500	1,300	2,200
Fan Output W	40	60	51
Circuit Breaker Ratio A	15	20	20
Dimensions			
Height mm	540	795	908
Width mm	780 (+70)	875 (+95)	900
Depth mm	289	320	320
Net Weight kg	38	72	73
Connecting Cable	3 + 1 (earth), ø1.5 mm ²		
Pipe Length Range (1 room) m	3 - 20	3 - 25	3 - 25
Maximum Pipe Length (Total room)*1 m	30	60	70
Refrigerant Pipe Diameter			
Liquid Side mm	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52

*1 Additional Gas might be required for some models. Refer to page 21 for information on Additional Gas.

Rating Conditions

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

Specifications

• How to Read the Table

Indoor unit combinations are shown here as the number of units operating, and their capacity class.

2 rooms	2.2 + 2.2	
	2.2 + 2.8	

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

CU-2E18CBPGW

A.E.C. : Annual Energy Consumption

	Indoor Units Capacity	COOLING OPERATION						HEATING OPERATION					
		Cooling Capacity			Running Current	Power Input		A.E.C.#	Heating Capacity			Running Current	Power Input
		Room A	Room B	Total	A	W	Room A		Room B	Total	A	W	
1 room	2.2	2.20	-	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	260	3.20	-	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	
	2.8	2.80	-	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	375	4.00	-	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	
	3.2	3.20	-	3.20 (1.1 - 4.0)	4.30	920 (220 - 1,220)	460	4.50	-	4.50 (0.7 - 6.2)	5.55	1,250 (170 - 1,810)	
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	
	2.2 + 2.8*	2.00	2.50	4.50 (1.5 - 5.2)	6.50	1,390 (250 - 1,730)	695	2.40	3.00	5.40 (1.1 - 7.0)	6.05	1,380 (210 - 1,670)	
	2.2 + 3.2	1.95	2.85	4.80 (1.5 - 5.3)	6.10	1,310 (250 - 1,540)	655	2.30	3.30	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)	
	2.8 + 2.8	2.40	2.40	4.80 (1.5 - 5.2)	6.10	1,310 (250 - 1,520)	655	2.80	2.80	5.60 (1.1 - 7.2)	5.55	1,250 (210 - 1,740)	
	2.8* + 2.8*	2.40	2.40	4.80 (1.5 - 5.2)	7.25	1,560 (250 - 1,730)	780	2.80	2.80	5.60 (1.1 - 7.2)	6.50	1,470 (210 - 1,740)	
	2.8 + 3.2	2.30	2.70	5.00 (1.5 - 5.3)	6.95	1,490 (250 - 1,540)	745	2.60	3.00	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)	
	2.8* + 3.2	2.30	2.70	5.00 (1.5 - 5.3)	7.80	1,870 (250 - 1,800)	835	2.60	3.00	5.60 (1.1 - 7.2)	6.15	1,390 (210 - 1,720)	
3.2 + 3.2	2.60	2.60	5.20 (1.5 - 5.4)	7.10	1,520 (250 - 1,580)	760	2.80	2.80	5.60 (1.1 - 7.2)	5.35	1,210 (210 - 1,700)		

*The specifications are different from other type of indoor units when 2.8kW duct type or floor/ceiling type is connected to CU-2E18CBPGW.

CU-4E23JBE

A.E.C. : Annual Energy Consumption

	Indoor Units Capacity	COOLING OPERATION							HEATING OPERATION								
		Cooling Capacity				Running Current	Power Input		A.E.C.#	Heating Capacity				Running Current	Power Input		
		Room A	Room B	Room C	Room D	Total	A	W		kW	Room A	Room B	Room C	Room D		Total	A
1 room	2.2	2.20	-	-	-	2.20 (1.8 - 2.9)	2.5	500 (340 - 810)	250	3.20	-	-	-	-	3.20 (1.2 - 4.1)	3.7	740 (300 - 1,230)
	2.8	2.80	-	-	-	2.80 (1.8 - 2.9)	3.5	700 (340 - 810)	350	4.00	-	-	-	4.00 (1.2 - 4.3)	5.2	1,050 (300 - 1,230)	
	3.2	3.20	-	-	-	3.20 (1.8 - 3.8)	3.9	800 (340 - 1,360)	400	4.50	-	-	-	4.50 (1.2 - 6.8)	6.0	1,230 (300 - 2,100)	
	4.0	4.00	-	-	-	4.00 (1.8 - 4.3)	5.8	1,240 (340 - 1,990)	620	5.80	-	-	-	5.80 (1.2 - 6.8)	8.0	1,720 (300 - 2,930)	
	5.0	5.00	-	-	-	5.00 (1.9 - 5.7)	7.2	1,550 (340 - 2,130)	775	6.80	-	-	-	6.80 (1.2 - 6.9)	9.7	2,100 (300 - 2,520)	
	6.0	6.00	-	-	-	6.00 (1.9 - 6.2)	9.2	2,030 (340 - 2,330)	1,015	8.50	-	-	-	8.50 (1.3 - 9.0)	11.1	2,400 (620 - 2,530)	
2 rooms	2.2 + 2.2	2.20	2.20	-	-	4.40 (1.9 - 6.4)	5.0	1,110 (340 - 2,150)	555	2.90	2.90	-	-	5.80 (2.7 - 9.8)	6.7	1,450 (610 - 2,800)	
	2.2 + 2.8	2.20	2.80	-	-	5.00 (1.9 - 6.4)	6.3	1,410 (340 - 2,150)	705	2.82	3.58	-	-	6.40 (2.7 - 9.8)	8.0	1,720 (610 - 2,800)	
	2.2 + 3.2	2.20	3.20	-	-	5.40 (1.9 - 6.9)	7.0	1,570 (340 - 2,410)	785	2.85	4.15	-	-	7.00 (2.7 - 9.8)	8.5	1,840 (590 - 2,800)	
	2.2 + 4.0	2.20	4.00	-	-	6.20 (1.9 - 6.9)	8.4	1,870 (330 - 2,410)	935	2.91	5.29	-	-	8.20 (2.7 - 9.9)	10.2	2,210 (590 - 2,800)	
	2.2 + 5.0	2.08	4.72	-	-	6.80 (2.0 - 7.6)	8.1	1,800 (320 - 2,440)	900	2.63	5.97	-	-	8.60 (2.8 - 10.2)	9.9	2,140 (530 - 2,760)	
	2.2 + 6.0	1.82	4.98	-	-	6.80 (2.0 - 7.6)	8.1	1,800 (320 - 2,440)	900	2.31	6.29	-	-	8.60 (2.8 - 10.2)	10.8	2,290 (530 - 2,760)	
	2.8 + 2.8	2.80	2.80	-	-	5.60 (1.9 - 6.8)	6.9	1,550 (340 - 2,400)	775	4.00	4.00	-	-	8.00 (2.7 - 9.8)	9.8	1,120 (610 - 2,800)	
	2.8 + 3.2	2.80	3.20	-	-	6.00 (1.9 - 6.9)	7.8	1,750 (340 - 2,410)	875	3.97	4.53	-	-	8.50 (2.7 - 9.9)	10.5	2,280 (590 - 2,800)	
	2.8 + 4.0	2.80	4.00	-	-	6.80 (1.9 - 6.9)	9.7	2,170 (330 - 2,410)	1,085	3.54	5.06	-	-	8.60 (2.7 - 9.9)	10.7	2,320 (590 - 2,800)	
	2.8 + 5.0	2.44	4.36	-	-	6.80 (1.9 - 7.5)	8.8	1,970 (320 - 2,440)	985	3.09	5.51	-	-	8.60 (2.8 - 10.2)	9.9	2,140 (530 - 2,760)	
	2.8 + 6.0	2.16	4.64	-	-	6.80 (1.9 - 7.5)	8.8	1,970 (320 - 2,440)	985	2.74	5.86	-	-	8.60 (2.8 - 10.2)	9.9	2,140 (530 - 2,760)	
	3.2 + 3.2	3.20	3.20	-	-	6.40 (1.9 - 7.0)	9.8	1,960 (330 - 2,420)	980	4.30	4.30	-	-	8.60 (2.8 - 10.0)	10.5	2,270 (580 - 2,800)	
	3.2 + 4.0	3.02	3.78	-	-	6.80 (1.9 - 7.1)	9.3	2,070 (330 - 2,420)	1,035	3.82	4.78	-	-	8.60 (2.8 - 10.0)	10.5	2,270 (570 - 2,800)	
	3.2 + 5.0	2.65	4.15	-	-	6.80 (2.0 - 7.8)	8.5	1,890 (320 - 2,450)	945	3.36	5.24	-	-	8.60 (2.8 - 10.3)	9.7	2,090 (520 - 2,740)	
	3.2 + 6.0	2.37	4.43	-	-	6.80 (2.0 - 7.8)	8.5	1,890 (320 - 2,450)	945	2.99	5.61	-	-	8.60 (2.8 - 10.3)	9.7	2,090 (520 - 2,740)	
	4.0 + 4.0	3.40	3.40	-	-	6.80 (1.9 - 7.1)	10.2	2,270 (330 - 2,420)	1,135	4.30	4.30	-	-	8.60 (2.8 - 10.0)	10.5	2,260 (560 - 2,800)	
	4.0 + 5.0	3.02	3.78	-	-	6.80 (2.0 - 7.6)	8.5	1,890 (320 - 2,450)	945	3.82	4.78	-	-	8.60 (2.8 - 10.3)	9.6	2,090 (510 - 2,740)	
	4.0 + 6.0	2.72	4.08	-	-	6.80 (2.0 - 7.6)	8.5	1,890 (320 - 2,450)	945	3.44	5.16	-	-	8.60 (2.8 - 10.3)	9.6	2,090 (510 - 2,740)	
5.0 + 5.0	3.40	3.40	-	-	6.80 (2.1 - 8.1)	8.0	1,780 (310 - 2,460)	890	4.30	4.30	-	-	8.60 (2.8 - 10.5)	9.1	1,960 (480 - 2,650)		
5.0 + 6.0	3.09	3.71	-	-	6.80 (2.1 - 8.1)	8.0	1,780 (310 - 2,460)	890	3.91	4.69	-	-	8.60 (2.8 - 10.5)	9.1	1,960 (480 - 2,650)		
3 rooms	2.2 + 2.2 + 2.2	2.20	2.20	2.20	-	6.60 (1.9 - 8.0)	8.2	1,820 (340 - 2,460)	910	2.86	2.86	2.86	-	8.58 (3.3 - 10.4)	9.7	2,090 (600 - 2,840)	
	2.2 + 2.2 + 2.8	2.08	2.08	2.84	-	6.80 (1.9 - 8.0)	8.6	1,910 (340 - 2,460)	965	2.83	2.83	3.34	-	8.60 (3.3 - 10.4)	9.7	2,090 (600 - 2,840)	
	2.2 + 2.2 + 3.2	1.97	1.97	2.96	-	6.80 (1.9 - 8.0)	8.6	1,910 (340 - 2,460)	965	2.49	2.49	3.62	-	8.60 (3.3 - 10.4)	9.6	2,070 (590 - 2,820)	
	2.2 + 2.2 + 4.0	1.78	1.78	3.24	-	6.80 (1.9 - 8.1)	8.3	1,860 (340 - 2,460)	930	2.25	2.25	4.10	-	8.60 (3.3 - 10.5)	9.5	2,060 (590 - 2,810)	
	2.2 + 2.2 + 5.0	1.59	1.59	3.62	-	6.80 (2.0 - 8.5)	7.8	1,730 (340 - 2,460)	865	2.01	2.01	4.58	-	8.60 (3.2 - 10.6)	8.9	1,930 (570 - 2,710)	
	2.2 + 2.2 + 6.0	1.44	1.44	3.92	-	6.80 (2.0 - 8.5)	7.8	1,730 (340 - 2,460)	865	1.82	1.82	4.96	-	8.60 (3.2 - 10.6)	8.9	1,930 (570 - 2,710)	
	2.2 + 2.8 + 2.8	1.92	2.44	2.44	-	6.80 (1.9 - 8.0)	8.6	1,910 (340 - 2,460)	965	2.42	3.09	3.09	-	8.60 (3.3 - 10.4)	9.7	2,090 (600 - 2,840)	
	2.2 + 2.8 + 3.2	1.83	2.32	2.65	-	6.80 (1.9 - 8.0)	8.6	1,910 (340 - 2,460)	965	2.31	2.94	3.35	-	8.60 (3.3 - 10.4)	9.6	2,070 (590 - 2,820)	
	2.2 + 2.8 + 4.0	1.66	2.12	3.02	-	6.80 (1.9 - 8.1)	8.3	1,860 (340 - 2,460)	930	2.10	2.68	3.82	-	8.60 (3.3 - 10.5)	9.5	2,060 (590 - 2,810)	
	2.2 + 2.8 + 5.0	1.50	1.90	3.40	-	6.80 (2.0 - 8.5)	7.8	1,730 (340 - 2,460)	865	1.89	2.41	4.30	-	8.60 (3.2 - 10.6)	8.9	1,930 (570 - 2,710)	
	2.2 + 2.8 + 6.0	1.36	1.73	3.71	-	6.80 (2.0 - 8.5)	7.8	1,730 (340 - 2,460)	865	1.72	2.19	4.69	-	8.60 (3.2 - 10.6)	8.9	1,930 (570 - 2,710)	
	2.2 + 3.2 + 3.2	1.74	2.53	2.53	-	6.80 (1.9 - 8.1)	8.3	1,860 (340 - 2,460)	930	2.20	3.20	3.20	-	8.60 (3.3 - 10.5)	9.5	2,050 (590 - 2,800)	
	2.2 + 3.2 + 4.0	1.60	2.31	2.89	-	6.80 (1.9 - 8.2)	8.3	1,860 (340 - 2,460)	930	2.01	2.93	3.66	-	8.60 (3.3 - 10.5)	9.4	2,040 (580 - 2,780)	
	2.2 + 3.2 + 5.0	1.44	2.09	3.27	-	6.80 (2.0 - 8.5)	7.8	1,730 (340 - 2,460)	865	1.82	2.65	4.13	-	8.60 (3.2 - 10.6)	8.8	1,910 (570 - 2,680)	
	2.2 + 4.0 + 4.0	1.46	2.67	2.67	-	6.80 (1.9 - 8.2)	8.2	1,820 (340 - 2,460)	910	1.86	3.37	3.37	-	8.60 (3.3 - 10.5)	9.4	2,030 (580 - 2,780)	
	2.8 + 2.8 + 2.8	2.26	2.26	2.26	-	6.78 (1.9 - 8.0)	8.6	1,910 (340 - 2,460)	965	2.86	2.86	2.86	-	8.58 (3.3 - 10.4)	9.7	2,090 (600 - 2,840)	
	2.8 + 2.8 + 3.2	2.16	2.16	2.48	-	6.80 (1.9 - 8.0)	8.6	1,910 (340 - 2,460)	965	2.74	2.74	3.12	-	8.60 (3.3 - 10.4)	9.6	2,070 (590 - 2,820)	
	2.8 + 2.8 + 4.0	1.98	1.98	2.84	-	6.80 (1.9 - 8.1)	8.3	1,860 (340 - 2,460)	930	2.51	2.51	3.68	-	8.60 (3.3 - 10.5)	9.5	2,060 (590 - 2,810)	
	2.8 + 2.8 + 5.0	1.80	1.80	3.20	-	6.80 (2.0 - 8.5)	7.8	1,730 (340 - 2,460)	865	2.27	2.27	4.06	-	8.60 (3.2 - 10.6)	8.9	1,930 (570 - 2,710)	
	2.8 + 3.2 + 3.2	2.06	2.37	2.37	-	6.80 (1.9 - 8.1)	8.3	1,860 (340 - 2,460)	930	2.62	2.99	2.99	-	8.60 (3.3 - 10.5)	9.5	2,050 (590 - 2,800)	
	2.8 +																

Indoor Units Capacity		COOLING OPERATION										HEATING OPERATION							
		Cooling Capacity					Running Current	Power Input		A.E.C.#	Heating Capacity					Running Current	Power Input		
		Room A	Room B	Room C	Room D	Total		A	W		Room A	Room B	Room C	Room D	Total		A	W	
kW	kW	kW	kW	kW	kW	A	W	kW	kW	kW	kW	kW	A	W					
1 room	2.2	2.20	-	-	-	2.20 (1.9 - 2.7)	2.25	450 (380 - 620)	225	3.20	-	-	-	3.20 (1.7 - 4.7)	3.85	840 (370 - 1,830)			
	2.8	2.80	-	-	-	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	310	4.00	-	-	-	4.00 (1.7 - 4.8)	5.40	1,210 (370 - 1,900)			
	3.2	3.20	-	-	-	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	360	4.50	-	-	-	4.50 (1.7 - 5.8)	5.85	1,310 (370 - 2,290)			
	4.0	4.00	-	-	-	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,380)	515	5.60	-	-	-	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 3,580)			
	5.0	5.00	-	-	-	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	805	7.10	-	-	-	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 3,560)			
2 rooms	2.2 + 2.2	2.20	2.20	-	-	4.40 (2.1 - 5.0)	4.45	980 (400 - 1,260)	490	3.20	3.20	-	-	6.40 (1.8 - 9.4)	6.50	1,480 (400 - 3,550)			
	2.2 + 2.8	2.20	2.80	-	-	5.00 (2.1 - 6.1)	5.50	1,230 (400 - 1,880)	615	3.10	4.00	-	-	7.10 (2.1 - 9.4)	7.55	1,700 (420 - 3,510)			
	2.2 + 3.2	2.20	3.20	-	-	5.40 (2.2 - 7.0)	6.10	1,370 (400 - 2,790)	685	3.05	4.45	-	-	7.50 (2.2 - 9.8)	7.65	1,740 (420 - 3,490)			
	2.2 + 4.0	2.20	4.00	-	-	6.20 (2.2 - 7.1)	8.00	1,820 (400 - 2,790)	910	3.00	5.30	-	-	8.30 (2.4 - 9.8)	9.05	2,060 (440 - 3,440)			
	2.2 + 5.0	2.10	4.90	-	-	7.00 (2.5 - 7.2)	11.0	2,500 (460 - 2,800)	1,250	2.70	6.10	-	-	8.80 (3.2 - 9.9)	9.90	2,260 (530 - 3,400)			
	2.8 + 2.8	2.80	2.80	-	-	5.60 (2.2 - 6.9)	6.85	1,550 (400 - 2,780)	775	3.85	3.85	-	-	7.70 (2.3 - 9.4)	8.85	2,020 (440 - 3,480)			
	2.8 + 3.2	2.80	3.20	-	-	6.00 (2.2 - 7.0)	7.55	1,700 (400 - 2,790)	850	3.80	4.30	-	-	8.10 (2.4 - 9.8)	8.70	1,980 (440 - 3,460)			
	2.8 + 4.0	2.80	4.00	-	-	6.80 (2.2 - 7.1)	10.0	2,280 (400 - 2,790)	1,140	3.55	5.05	-	-	8.60 (2.1 - 9.8)	9.65	2,175 (530 - 3,390)			
	2.8 + 5.0	2.55	4.55	-	-	7.10 (2.5 - 7.2)	11.5	2,610 (460 - 2,800)	1,305	3.25	5.75	-	-	9.00 (3.2 - 9.9)	10.5	2,380 (530 - 3,370)			
	3.2 + 3.2	3.20	3.20	-	-	6.40 (2.2 - 7.3)	8.15	1,860 (400 - 2,810)	930	4.25	4.25	-	-	8.50 (2.5 - 10.1)	9.30	2,110 (470 - 3,390)			
	3.2 + 4.0	3.10	3.90	-	-	7.00 (2.5 - 7.3)	10.6	2,410 (460 - 2,810)	1,205	3.90	4.90	-	-	8.80 (3.2 - 10.1)	10.85	2,230 (530 - 3,340)			
	3.2 + 5.0	2.90	4.50	-	-	7.40 (2.6 - 7.4)	12.3	2,820 (460 - 2,880)	1,410	3.60	5.60	-	-	9.20 (3.2 - 10.1)	11.5	2,390 (530 - 3,300)			
	4.0 + 4.0	3.60	3.60	-	-	7.20 (2.5 - 7.3)	11.5	2,620 (460 - 2,810)	1,310	4.55	4.55	-	-	9.10 (3.2 - 10.1)	10.3	2,360 (530 - 3,320)			
	4.0 + 5.0	3.25	4.05	-	-	7.30 (2.7 - 7.4)	11.7	2,670 (480 - 2,820)	1,335	4.20	5.20	-	-	9.40 (3.2 - 10.2)	10.9	2,480 (530 - 3,300)			
	5.0 + 5.0	3.75	3.75	-	-	7.50 (2.8 - 7.6)	12.5	2,860 (480 - 2,870)	1,430	4.70	4.70	-	-	9.40 (3.5 - 10.2)	10.9	2,470 (580 - 3,290)			
3 rooms	2.2 + 2.2 + 2.2	2.20	2.20	2.20	-	6.60 (2.2 - 7.8)	7.40	1,680 (410 - 2,490)	830	2.87	2.87	2.87	-	8.61 (3.1 - 10.4)	8.80	1,990 (500 - 3,260)			
	2.2 + 2.2 + 2.8	2.15	2.15	2.70	-	7.00 (2.5 - 8.1)	8.25	1,890 (460 - 2,860)	945	2.70	2.70	3.40	-	8.80 (3.2 - 10.4)	8.85	2,010 (510 - 3,220)			
	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)	990	2.60	2.60	3.70	-	8.90 (3.2 - 10.4)	8.95	2,030 (510 - 3,200)			
	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)	1,165	2.40	2.40	4.40	-	9.20 (3.2 - 10.4)	9.50	2,150 (510 - 3,180)			
	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)	1,230	2.20	2.20	5.00	-	9.40 (3.2 - 10.4)	9.30	2,120 (510 - 3,180)			
	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)	1,070	2.50	3.25	3.25	-	9.00 (3.2 - 10.4)	9.20	2,090 (510 - 3,190)			
	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)	1,120	2.45	3.15	3.60	-	9.20 (3.2 - 10.4)	9.30	2,110 (510 - 3,180)			
	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)	1,255	2.30	2.90	4.20	-	9.40 (3.2 - 10.4)	9.50	2,160 (510 - 3,140)			
	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)	1,230	2.05	2.65	4.70	-	9.40 (3.5 - 10.4)	9.15	2,080 (560 - 3,150)			
	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)	1,145	2.40	3.45	3.45	-	9.30 (3.2 - 10.5)	9.40	2,130 (500 - 3,180)			
	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)	1,190	2.20	3.20	4.00	-	9.40 (3.2 - 10.5)	9.50	2,150 (500 - 3,140)			
	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)	1,235	2.00	2.90	4.50	-	9.40 (3.7 - 10.5)	9.55	2,170 (520 - 3,140)			
	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)	1,190	2.00	3.70	3.70	-	9.40 (3.6 - 10.5)	9.30	2,110 (620 - 3,110)			
	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)	1,235	1.85	3.35	4.20	-	9.40 (3.9 - 10.5)	9.30	2,120 (660 - 3,110)			
	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)	1,215	1.70	3.85	3.85	-	9.40 (4.1 - 10.5)	9.55	2,170 (700 - 3,120)			
	2.8 + 2.8 + 2.8	2.60	2.60	2.60	-	7.80 (2.6 - 8.1)	10.8	2,450 (460 - 2,820)	1,225	3.08	3.08	3.08	-	9.24 (3.2 - 10.4)	9.55	2,170 (510 - 3,160)			
	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)	1,255	3.00	3.00	3.40	-	9.40 (3.2 - 10.4)	9.65	2,190 (510 - 3,150)			
	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)	1,255	2.75	2.75	3.90	-	9.40 (3.3 - 10.4)	9.40	2,140 (530 - 3,130)			
	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)	1,230	2.50	2.50	4.40	-	9.40 (3.8 - 10.4)	9.20	2,100 (640 - 3,120)			
	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)	1,190	2.90	3.25	3.25	-	9.40 (3.2 - 10.5)	9.55	2,170 (500 - 3,150)			
	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)	1,190	2.65	3.00	3.75	-	9.40 (3.5 - 10.5)	9.40	2,130 (560 - 3,120)			
	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)	1,170	2.40	2.70	4.30	-	9.40 (3.9 - 10.5)	9.50	2,150 (660 - 3,120)			
	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)	1,190	2.40	3.50	3.50	-	9.40 (3.8 - 10.5)	9.05	2,060 (640 - 3,080)			
	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)	1,170	2.20	3.20	4.00	-	9.40 (4.0 - 10.5)	9.20	2,100 (680 - 3,080)			
	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)	1,170	2.10	3.65	3.65	-	9.40 (4.2 - 10.5)	9.40	2,140 (700 - 3,080)			
	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)	1,150	3.13	3.13	3.13	-	9.39 (3.3 - 10.5)	9.50	2,160 (520 - 3,160)			
	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)	1,195	2.90	2.90	3.60	-	9.40 (3.7 - 10.5)	9.40	2,140 (620 - 3,150)			
	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)	1,195	2.65	2.65	4.10	-	9.40 (4.0 - 10.5)	9.40	2,130 (680 - 3,120)			
	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)	1,195	2.70	3.35	3.35	-	9.40 (3.9 - 10.5)	9.30	2,120 (660 - 3,120)			
	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)	1,175	2.45	3.10	3.85	-	9.40 (4.1 - 10.5)	9.20	2,100 (700 - 3,100)			
	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)	1,175	2.30	3.55	3.55	-	9.40 (4.2 - 10.5)	9.05	2,060 (700 - 3,080)			
	4.0 + 4.0 + 4.0	2.66	2.66	2.66	-	7.98 (2.9 - 8.5)	10.5	2,390 (490 - 2,840)	1,195	3.13	3.13	3.13	-	9.39 (4.0 - 10.5)	9.20	2,100 (680 - 3,080)			
	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)	1,195	2.90	2.90	3.60	-	9.40 (4.2 - 10.5)	9.15	2,080 (700 - 3,080)			
	4 rooms	2.2 + 2.2 + 2.2 + 2.2	2.00	2.00	2.00	2.00	8.00 (2.7 - 8.8)	9.50	2,150 (490 - 2,840)	1,075	2.35	2.35	2.35	2.35	9.40 (3.2 - 10.5)	9.15	2,080 (550 - 3,140)		
		2.2 + 2.2 + 2.2 + 2.8	1.85	1.85	1.85	2.45	8.00 (2.8 - 8.8)	9.40	2,140 (490 - 2,880)	1,070	2.20	2.20	2.20	2.80	9.40 (3.2 - 10.5)	9.05	2,060 (550 - 3,120)		
2.2 + 2.2 + 2.2 + 3.2		1.80	1.80	1.80	2.60	8.00 (2.8 - 8.9)	9.40	2,130 (490 - 2,880)	1,065	2.10	2.10	2.10	3.10	9.40 (3.4 - 10.5)	9.30	2,120 (590 - 3,180)			
2.2 + 2.2 + 2.2 + 4.0		1.65	1.65	1.65	3.05	8.00 (2.8 - 8.9)	9.30	2,110 (490 - 2,870)	1,055	1.95	1.95	1.95	3.55	9.40 (3.8 - 10.5)	9.20	2,090 (640 - 3,140)			
2.2 + 2.2 + 2.2 + 5.0		1.50	1.50	1.50	3.50	8.00 (2.8 - 8.9)	9.30												

Feature Comparison

		Single Inverter Split						
		Wall-Mounted				Floor Console	Floor or Ceiling	Cassette (4-way)
		CS-E7JKR CS-E9JKR CS-E12JKR CS-E15JKR-3	CS-E18JKR CS-E21JKR CS-E24JKR CS-E28JKR	CS-HE9GKE CS-HE12GKE	CS-TE9HKE CS-TE12HKE	CS-E9GFEW CS-E12GFEW CS-E18GFEW	CS-E15DTEW CS-E18DTEW CS-E21DTEW	CS-E15HB4EA CS-E18HB4EA CS-E21HB4EA
Healthy Air Quality	Advanced+Plus e-ion Air Purifying System	●	●					
	Newly Designed Patrol Sensor	●	●					
	Supersonic Air Purifying System							
	SUPER alleru-buster filter			●	●		(Option)	(Option)
	Ion Freshener				●			
	Anti-Mould, One-Touch Air Filter			●	●	●	●	●
	Odour-Removing Function	●	●	●	●	●	●	●
	Removable, Washable Panel	●	●	●	●	●		●
Comfortable	Inverter Control	●	●	●	●	●	●	●
	Mild Dry Cooling	●	●					
	Economy Mode	●	●					
	Heating Operation Lower Limit	-15°C (Possible)	-15°C (E18/E21) (Possible) -10°C (E24/E28) (Possible)	-20°C (Possible)	-10°C (Possible)	-15°C (Possible)		
	Quiet Mode	Indoor	●	●	●	●	●	●
		Outdoor	(E15)	●				
	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	●	●	●	●	●	●	●	
Convenient	24-Hour Dual ON/OFF Real Setting Timer	●	●					
	24-Hour ON&OFF Real Setting Timer			●	●	●	●	●
	LCD Wireless Remote Controller	(Large)	(Large)	●	(Large)	●	●	●
	Wired Remote Controller							
Reliable	Blue Fin Condenser	●	●					
	Random Auto Restart	●	●	●	●	●	●	●
	Long Piping	15m	20m(E18/E21) 30m(E24/E28)	15m	15m	15m(E9/E12) 20m(E18)	20m	20m
	Plug Type & Ampere Capacity <small>*The plug must be installed.</small>	Outdoor Power Supply	Outdoor Power Supply	Ⓜ 10A(H9) Ⓜ 15A(H12)	Ⓜ 10A	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply
	Top-Panel Maintenance Access	●	●	●	●	●	●	●
	Self-Diagnostic Function	●	●	●	●	●	●	●

Feature Explanations

Healthy Air Quality

Advanced+Plus e-ion Air Purifying System

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



Newly Designed 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 a 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 healthy. Plus, the effect is maintained for 10 years.

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 the 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.

Mild Dry Cooling

Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. (Maintains an RH* up to 10% higher than cooling operation. *RH : Relative Humidity) Ideal when sleeping with the air conditioner on.

Economy Mode

The Economy mode reduces energy consumption by up to 20%* compared to the Normal mode by automatically adjusting the set temperature by up to 3°C. It's ideal when you want to maintain room temperature for gentle cooling and heating.



* Panasonic figures, at an outside temperature of DB35 °C /WB24 °C and set temperature of 25 °C (Cooling operation), at an outside temperature of DB7 °C /WB6 °C and set temperature of 23 °C (Heating operation).

Heating Operation Lower Limit

Providing outstanding cold climate performance, Panasonic heatpumps let you enjoy stable heating even when the outside temperature is below freezing.

Quiet Mode

The Quiet Mode reduces both indoor and outdoor unit operating sound. This function is especially convenient for operation near a sleeping baby and at night-time.

Indoor unit:



As quiet as a sound of leaves on a tree

Approx. **21dB***1



21dB

Outdoor unit:



As quiet as a library

Approx. **42dB***2



40dB

*1 CS-E7/E9/JKR: In the Quiet Mode during heating/cooling operation with low fan speed. CS-E12/JKR: In the Quiet Mode during cooling operation with low fan speed.

*2 CU-E15/E18/JKR-3: In the Quiet Mode during cooling/heating operation with low fan speed.

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.

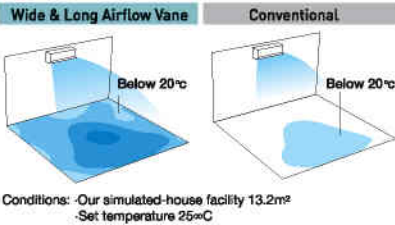


Soft Dry Operation Mode

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.



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)

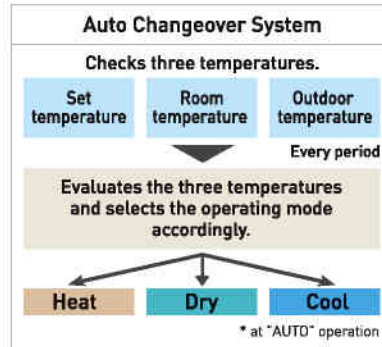
The flap swings up and down automatically, distributing air throughout the room. You can also adjust the airflow angle by remote control.

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.



Hot Start Control

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

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.

24-Hour Dual ON & OFF Real Setting Timer

This feature enable you to preset two different sets of start/stop operation timer (hour and minute) within 24 hour time frame.

LCD Wireless Remote Controller

Reliable

Blue Fin Condenser

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



Cyclic Corrosion Test Results



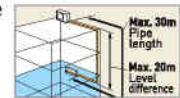
This was tested by: 1. Panasonic HA Air-Conditioning R&D (M) Sdn. Bhd. 2. A third party authorized research institute in Malaysia.

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.

Long Piping

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



*The graph refers to the CS-E24/E28JKR. *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

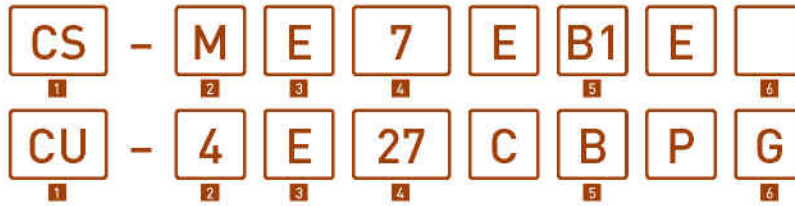
Maintenance of the outdoor unit used to be quite a tedious chore, especially when the unit was installed on a narrow balcony or attached to the outer wall of a high-rise building. Now, maintenance can be performed by simply removing the top panel, making these tasks much quicker and easier.

Self-Diagnostic Function

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

Specifications

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 H : Single Split / Deluxe T : Single Split / Deluxe Slim No Indications : Single Split / Deluxe	←Outdoor unit→ n : (n) rooms Multi
E : Inverter Reverse Cycle W : Reverse Cycle		
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,G : For either single or multi use S : For single use


Optional Accessories

Filters

Replacement SUPER alleru-buster filter

	Applicable Models
	CZ-SA13P Wall-Mounted (Deluxe, Deluxe Wide, Cassette (4way))
	CS-W7DKR, CS-W9DKR, CS-W12EKR, CS-W18DKR, CS-W24EKR, CS-E10HB4EA, CS-E15HB4EA, CS-E18HB4EA, CS-E21JB4EA
	CZ-SA14P Wall-Mounted (Deluxe), Floor or Ceiling
	CS-HE9GKE, CS-HE12GKE, CS-E15DTEW, CS-E18DTEW, CS-E21DTES, CS-ME10DTEG


Replacement SUPER alleru-buster filter

	Applicable Models
	CZ-SA16P Wall-Mounted (Deluxe Slim)
	CS-TE9HKE, CS-TE12HKE

Pipe Size Reducer

	Applicable Models
	CZ-MA1P
	CS-E15JKEW, CS-E18JKEW, CS-E18GFEW, CS-E15DTEW, CS-E18DTEW, CS-E15HB4EA, CS-E18HB4EA, CS-E15JD3EA, CS-E18JD3EA (Use at the indoor unit's connection port)

Pipe Size Expander

	Applicable Models
	CZ-MA2P
	CS-E21JKEW, CS-E21JB4EA (Use at the outdoor unit's connection port)

Quality Management System Certificate



Certified to ISO 9001: 2008
Cert. No.: MY-AR 1010



Certified to ISO 9001: 2000
Registration Number: 01207Q10103R4L

Certified to ISO 9001: 2008

Panasonic HA Air-Conditioning (M) Sdn. Bhd.
Cert. No.: MY-AR 1010

Certified to ISO 9001: 2000

Panasonic Home Appliances
Air-Conditioning (Guangzhou) Co., Ltd.
Registration Number: 01207Q10103R4L

Environmental Management System Certificate



Certified to ISO 14001: 2004
Cert. No.: P06860001



Certified to ISO 14001: 2004
Registration Number: 02107E10411R3L

Certified to ISO 14001: 2004

Panasonic HA Air-Conditioning (M) Sdn. Bhd.
Cert. No.: P06860001

Certified to ISO 14001: 2004

Panasonic Home Appliances
Air-Conditioning (Guangzhou) Co., Ltd.
Registration Number: 02107E10411R3L

Standard Warranty



- Specifications are subject to change without notice for further improvement.
- The contents of this catalogue are effective as of May, 2009.
- Due to printing considerations, the actual colours may vary slightly from those shown.



Panasonic leads the way... with "eco ideas"

"eco ideas" for Products

We will produce energy-efficient products

■ Target

To increase the number of products with the industry's top-level environmental features based on both internal and external standards.

"eco ideas" for Manufacturing

We will reduce CO₂ emissions across all our manufacturing sites

■ Target

To reduce total CO₂ emissions at manufacturing sites worldwide by 300,000 tons by Fiscal 2009. (compared to Fiscal 2006)

"eco ideas" for Everybody, Everywhere

We will encourage the spread of environmental activities throughout the world

Fiscal 2009: April 2009 - March 2010

Panasonic

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