The System of Model Numbers for Split Models

CS	–	M	E	7	E	B1	E	
1		2	3	4		5		6
CU	–	4	E	27	C	B	P	G
1		2	3	4		5		6

1 Model Type

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

2 Connection Configuration / Classification

<Indoor unit>
M : Multi Split Type
H : Single Split /Super Deluxe
N : Single Split /Deluxe(Nordic Model)
C : Single or Multi Spilit/Deluxe(Nordic Model)
T : Single Split / Deluxe Slim
No Indications : Single or Multi Split / Deluxe

<Outdoor unit> n: (n) rooms Multi

3 Function

E : Inverter Heat Pump
W : Heat Pump
V : Cooling Only

4 Capacity

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

5 Type

K : Wall-Mounted Type
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

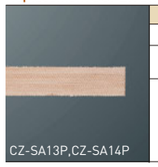
6 Other

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

Optional Accessories

Filters

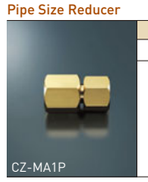
Replacement SUPER alleru-buster filter


CZ-SA13P,CZ-SA14P

Applicable Models	
CZ-SA13P	**CZ-SA14P**
Wall-Mounted (Deluxe, Deluxe Wide), Cassette (4-way)	Wall-Mounted (Super Deluxe, Deluxe Slim), Floor or Ceiling
CS-NE7GKE, CS-NE9GKE, CS-NE12GKE, CS-E15EKEA, CS-E18EKEA, CS-E21EKEA, CS-V7DKE, CS-V9DKE, CS-V12DKE, CS-V18DKE, CS-V24DKE, CS-V28EKE, CS-E15DB4EW, CS-E18DB4EW, CS-E21DB4ES	CS-HE9GKE, CS-HE12GKE, CS-TE9DKE, CS-TE12DKE, CS-E15DTEW, CS-E18DTEW, CS-E21DTES, CS-ME10DTEG

Replacement: every 3 years

Pipe Size Reducer


CZ-MA1P

Applicable Models
CZ-MA1P
CS-CE12GKEW, CS-E15GKEW, CS-E18GKEW, CS-E15DTEW, CS-E18DTEW, CS-E15DB4EW, CS-E18DB4EW,CS-E15DD3EW, CS-E18DD3EW

ISO 9000 Series Certification

QUALITY SYSTEM
SIRIM

CERTIFIED TO MS ISO 9001: 2000
Panasonic HA Air-Conditioning (M) Sdn. Bhd. (PHAAM)
Registration No.: AR 1010

TÜV CERT
DIN EN ISO 9001
Certificate: 09 100 5766

CERTIFIED TO DIN EN ISO 9001: 1994
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
AIR-CONDITIONER DIVISION
Certificate Registration No.09 100 5766

Environmental Management Systems Approval Certificate

ENVIRONMENTAL SYSTEM
SIRIM
UKAS ENVIRONMENTAL MANAGEMENT
074
MS ISO 14001 CERT. NO. PO6860001

CERTIFIED TO MS ISO 14001: 2004
Panasonic HA Air-Conditioning (M) Sdn. Bhd. (PHAAM)
Certification No.: PO6860001

LLOYD'S REGISTER QUALITY ASSURANCE
UKAS ENVIRONMENTAL MANAGEMENT
001

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 frame retardants (PBB, PBDE)

Factories

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

Panasonic

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

AC-ND-07

Panasonic
ideas for life

Heatpumps Nordic 2007/2008

CELXIA AS
KULDE VARMEPUMPE VENTILASJON AIRCONDITION VARMEANLEGG
Tlf: 69 26 85 00 Faks: 69 26 85 01 www.celxia.no

Powerful, Comfortable Heating Even in the Coldest Months!

Reliable, High-Performance Heatpumps Designed for Nordic Lifestyles

Boasting exceptional heating performance,

Panasonic heatpumps are ready to deliver the power you need for all-day comfort even during the harsh Nordic winter.

Top-class, high-efficiency operation also means amazing energy savings even when heating for a long time.

All this and more from heatpumps designed with Nordic lifestyles in mind.

Reliable Heating Even in the Middle of Winter

Heating Possible at -20°C*

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

Heating Possible -20°C*

Keeps the Temperature Above Freezing

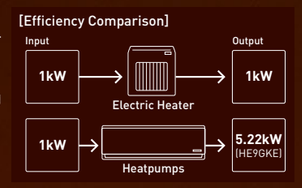
+8°C/+10°C Low-Temperature Heating

During the severe winter period, you can set the unit to provide low-temperature heating to prevent freezing. Minimizing the heating energy required to protect your property, this is an ideal feature for temperature control in your summer house, garage and basement.

Economical, Environment-Friendly Operation

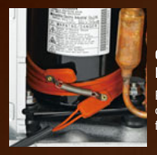
High COP (Coefficiency of performance)

Original Panasonic inverter technology and a high-performance compressor provide top-class operating efficiency. This lets you enjoy lower electricity bills while contributing to environmental protection.



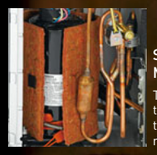
Designed for Nordic Lifestyles

Based on 30 years of experience in the Nordic market, Panasonic has implemented various technologies and countermeasures to meet the needs of Nordic lifestyles.



Crankcase Heater

Prevents the compressor freezing.



Sound-proof Material

The compressor is thoroughly protected to prevent annoying noises.

Freezing Resistance and Field Tests

Field tests are conducted under actual conditions of use in the middle of winter.

* Operating temperature limit is -20°C with performance data guaranteed down to -15°C.

Model Line-Up Choose the Best Inverter

All models use a new R410A refrigerant.

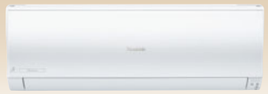
Energy-Efficiency Classification
Most efficient level : A

HEATING	A 3.60 < COP
COOLING	A 3.20 < EER

Refer to page 23 for information on Energy-Efficiency Classification.

Single Inverter Split INVERTER

Wall-Mounted

Indoor	Super Deluxe NEW (Nordic Model)	Deluxe NEW (Nordic Model)	Deluxe NEW (Nordic Model)	Deluxe	Deluxe Slim
					
	p.14	p.14	p.14	p.15	p.15
Heating Capacity (kW) 2.5		CS-NE7GKE (CU-NE7GKE) A	CS-CE7GKEW (CU-CE7GKE) A		
3.5	CS-HE9GKE (CU-HE9GKE) A	CS-NE9GKE (CU-NE9GKE) A	CS-CE9GKEW (CU-CE9GKE) A		CS-TE9DKE (CU-TE9DKE) A
5.0	CS-HE12GKE (CU-HE12GKE) A	CS-NE12GKE (CU-NE12GKE) A	CS-CE12GKEW (CU-CE12GKE) A		CS-TE12DKE (CU-TE12DKE) A
5.5				CS-E15EKEA (CU-E15EKEA)	
6.5				CS-E18EKEA (CU-E18EKEA) A	
7.0				CS-E21EKEA (CU-E21EKEA)	
8.5					
9.5					
Exclusive Features	Heating Possible -20°C / HIGH COP / e-ion	Heating Possible -20°C / +8°C/+10°C / e-ion / -15°C	Heating Possible -10°C / Nanoe / e-ion	e-ion / ION / -15°C	e-ion / ION

Single Inverter Split INVERTER

	Floor or Ceiling	Cassette (4-way)	Hide-Away
Indoor			
	p.16	p.16	p.16
Heating Capacity (kW) 2.5			
3.5			
4.0			
5.0	CS-E15DTEW (CU-E15DBE)	CS-E15DB4EW (CU-E15DBE)	CS-E15DD3EW (CU-E15DBE)
6.0	CS-E18DTEW (CU-E18DBE)	CS-E18DB4EW (CU-E18DBE)	CS-E18DD3EW (CU-E18DBE)
7.0	CS-E21DTES (CU-E21DBE)	CS-E21DB4ES (CU-E21DBE)	
8.0			
Exclusive Features	(option)	(option)	

Single Split

Wall-Mounted

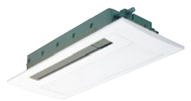
Indoor	Deluxe	Deluxe Wide
		
	p.17	p.17
Cooling Capacity (kW) 2.5	CS-V7DKE (CU-V7DKE) A	
3.0	CS-V9DKE (CU-V9DKE) A	
4.0	CS-V12DKE (CU-V12DKE) A	
5.0		CS-V18DKE (CU-V18DKE) A
7.0		CS-V24DKE (CU-V24DKE)
8.0		CS-V28EKE (CU-V28EKE) Different Design A
Air Quality Features	ION	ION

Floor or Ceiling

p.17

4.0	CS-V12CTP (CU-V12CTP5)
5.0	CS-V18CTP (CU-V18CTP5)
7.0	CS-V24CTP (CU-V24CTP5)

Multi Inverter Split INVERTER

	Wall-Mounted		Floor or Ceiling	Cassette (1-way)	Cassette (4-way)	Hide-Away
Indoor	Deluxe NEW	Deluxe Wide NEW				
						
	p.18-p.19	p.18-p.19	p.18-p.19	p.18-p.19	p.18-p.19	p.18-p.19
Cooling Capacity (kW) 2.2	CS-CE7GKEW			CS-ME7EB1E		
2.8	CS-CE9GKEW		CS-ME10DTEG	CS-ME10EB1E		CS-ME10DD3EG
3.2	CS-CE12GKEW			CS-ME12EB1E		
4.0	CS-E15GKEW		CS-E15DTEW	CS-ME14EB1E	CS-E15DB4EW	CS-E15DD3EW
5.0		CS-E18GKEW	CS-E18DTEW		CS-E18DB4EW	CS-E18DD3EW
Exclusive Features			(option)		(option)	

Outdoor	2 rooms	3 rooms	4 rooms
			
	NEW CU-2E15GBE A (4.4-5.4kW)	CU-3E18EBE A (5.0-9.0kW)	CU-4E27CBPG A (5.0-13.6kW)
	CU-2E18CBPG A (4.4-6.4kW)	CU-3E23CBPG A (5.0-10.0kW)	

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

Heat Pump Models
Cooling Models

Heating Possible at -20°C | High COP | +8°C/+10°C Low-Temperature Heating | Heating Possible -10°C | e-ion Air Purifying System | Patrol Sensor | Supersonic Air Purifying System | Super alleru-buster filter (Super alleru-buster + Catechin + Bio) | ION Ion Freshener | -15°C Low Ambient Cooling

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.

Nordic design

Super Deluxe
HE series

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.

* Operating temperature limit is -20°C with performance data guaranteed down to -15°C.

INVERTER

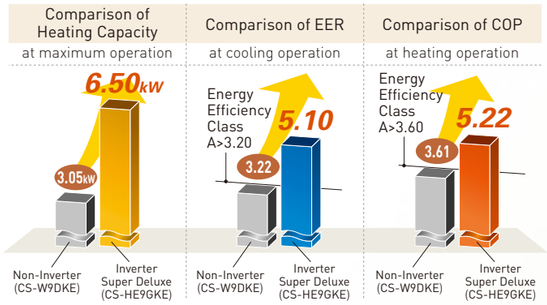
Unique design delivering a powerful jet stream of warm air toward your feet

energy saving

Top-class energy efficiency

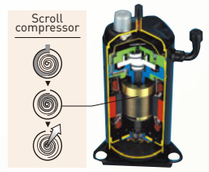
High COP

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



■Powerful, energy-saving scroll compressor

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



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

powerful heating

Heating possible at -20°C

Heating Possible -20°C*

Providing outstanding cold climate performance, Panasonic heatpumps 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

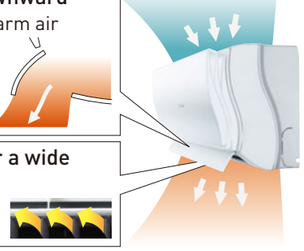
Forces warm air downward

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.



quiet

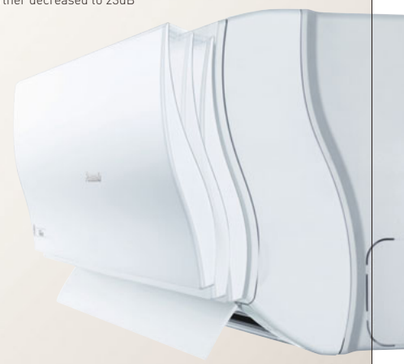
Super Quiet

The indoor unit delivers quiet operation with low fan speed. And pressing the Quiet mode button lowers operation noise even further to just 24dB.

*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

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.



Nordic design

Deluxe
NE series

Heating Possible -20°C* + Freezing Prevention Heating

Ideal for Heating Your Summer House to Prevent Freezing

You can also use +8°C/+10°C low-temperature heating.
This lets you prevent your home from freezing during the midwinter months by maintaining indoor temperature with minimum heating energy.

* Operating temperature limit is -20°C with performance data guaranteed down to -15°C.

INVERTER

Powerful and quiet – and highly efficient for reduced heating costs

freezing prevention heating

+8°C/+10°C low-temperature heating

During the coldest times of the year, you can set heating to the optimum temperature to prevent freezing. This handy feature helps minimize heating costs for your summer house, garage and basement. And because it's a heatpump system, energy saving is boosted for a dramatic reduction in electricity consumption.

Simply press a button to set for low-temperature heating.

powerful heating

Heating possible at -20°C*

Heating Possible -20°C*

Providing outstanding cold climate performance, Panasonic heatpumps 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 Nordic winter.

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

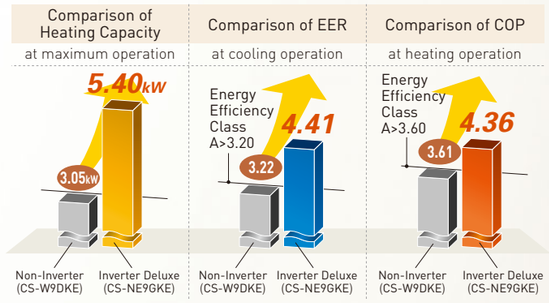
Here, inactivate means to suppress normal activity. This inactivation of mite allergens has been verified by the University of Edinburgh in the UK.

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

energy saving

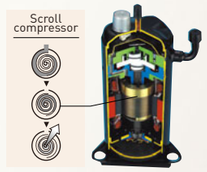
Powerful heating and class-leading energy efficiency

On top of the powerful heating, the longer you use the unit the more you can enjoy class-leading operation efficiency, which means to an even bigger energy-saving effect. In other words, minimal heating costs.



■ **Powerful, energy-saving scroll compressor**

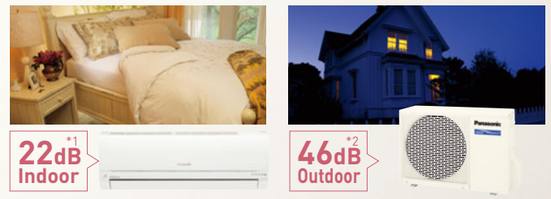
Panasonic heatpumps use a scroll compressor featuring the latest technologies to provide quiet, highly efficient, environment-friendly operation.



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 22dB.



*1 CS-NE7GKE: In the Quiet mode during heating operation with low fan speed
In cooling mode, operation noise further decreased to 21dB
*2 CU-NE7GKE: In heating mode

-15°C Low Ambient Cooling

Special specifications also enable year-round cooling even during the cold of winter. This is ideal, for example, for computer/server rooms or other locations with temporary or year-round heat sources. *Operating temperature limit is -15°C.

Nordic design

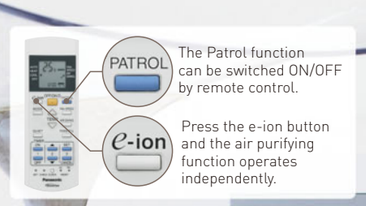
Deluxe
CE series

Heating Possible -10℃ + 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.

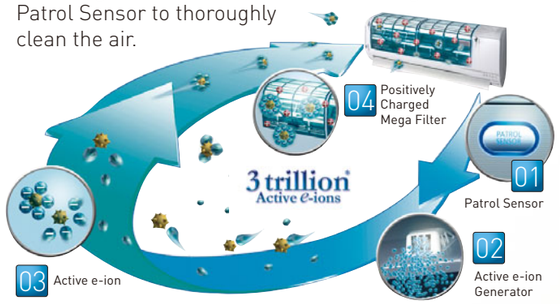
INVERTER

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

air cleaning

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.



* 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.

Active e-ion
Shot out to catch and inactivate airborne bacteria and mould

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

■**Negative Charging**
Negatively charges dust particles for effective collection.

■**Inactivating**
Inactivates bacteria and mould to make them harmless.

Inactivating Effect

■**Target substances**

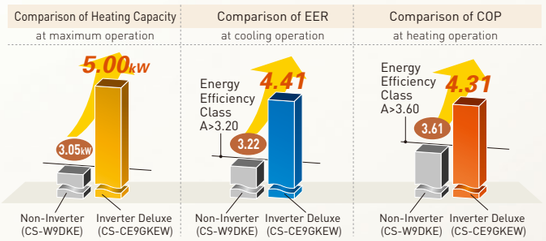
Inactivates more than 99%*

*99% inactivation was certified as indicated below. 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

energy saving

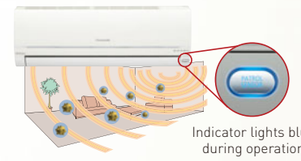
Powerful heating and class A energy efficiency

Panasonic's heatpumps have achieved exceptional efficiency.



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

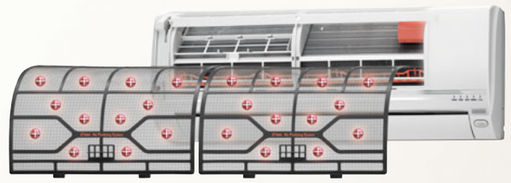
Air is monitored both during the unit operation and when it's switched off. When dirt is detected, the air purifying function is started to immediately clean the air in the room.



This kind of dirt is detected

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.

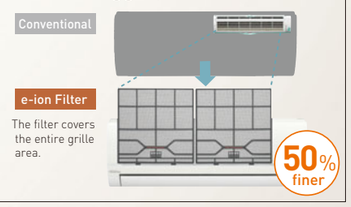


8 patents* applied for | Only from Panasonic

*Panasonic has applied for 8 patents relate to e-ion Air Purifying technology.
*1 For a heatpump 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 June, 2007)

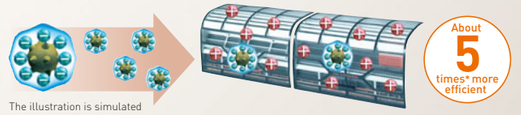
Thorough Collection with a Bigger, Finer Filter

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



More Effective Collection with Electric Action

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



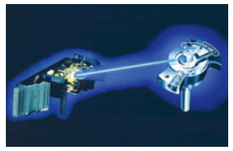
*After 5 cigarettes were smoked in a roughly 20m³ room, heatpump operation was started and the decrease in particulate concentration was measured with a dust meter.

Inverter Technology

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 heatpump, this circuit controls the revolutions of the compressor — and hence the heatpump's output. Raising the frequency increases the output, lowering the frequency reduces it. In this way, inverter heatpumps provide much finer temperature control than non-inverter models.

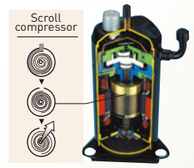
More Advantages with Panasonic

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.

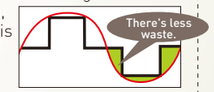


HE/ NE series: all models
Except HE/NE series:
15,000 Btu/h and above models

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.

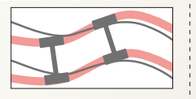
■ **Our conventional inverter**
The current waveform deviates from the motor voltage waveform, so power is wasted.



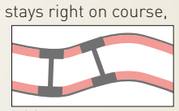
■ **Hyper Wave Inverter**
The current waveform closely matches the motor voltage waveform, so power consumption is reduced.

Compare this to a car rounding a corner

Power is wasted when the car swings off course.



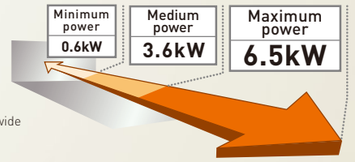
When the car stays right on course, there's no power loss.



HE/ NE series: all models
Except HE/NE series: 15,000 Btu/h and above models

Even Wider Output Power Range

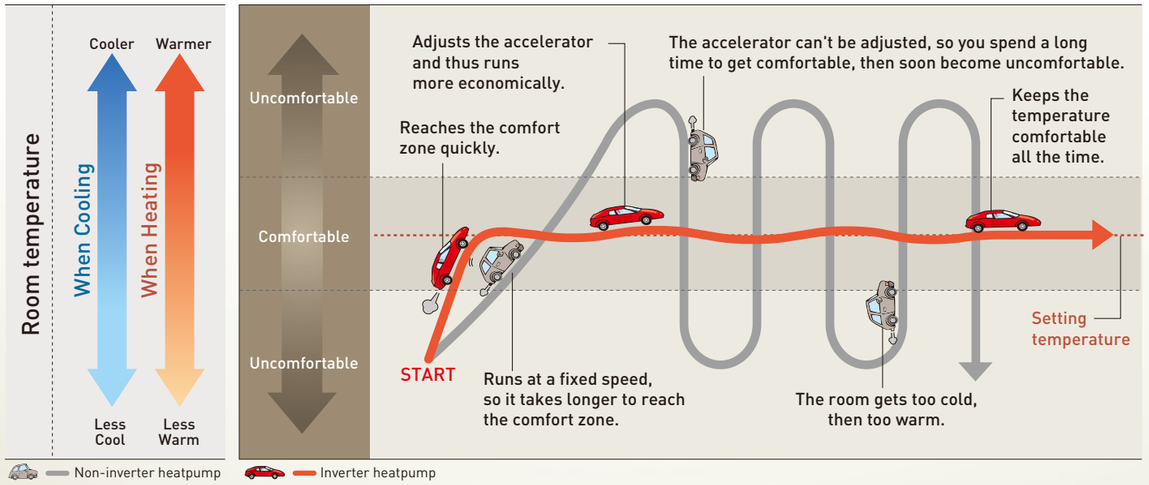
Provides higher energy saving and finer room temperature adjustment.



The graph shows the CS-HE9GKE's wide power output range during heating.

The advantages of an inverter heatpump

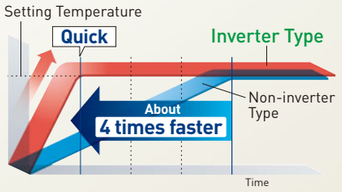
■ **Comparing inverter and non-inverter heatpumps to cars...**



Quick comfort

As soon as the an inverter heatpump 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**



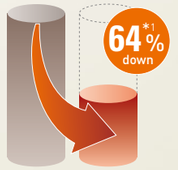
*Comparison of 9,000 Btu inverter and non-inverter models during heating.

Energy-saving

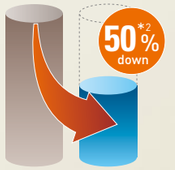
For optimum use of limited energy resources, an inverter heatpump features an inverter circuit providing extremely efficient operation. Improved heat exchanger and compressor performance, precise microcomputer control and other innovations further assure dramatically boosted efficiency. So even though you get speedy, flexible operation, you use less electricity.

■ **Electric Consumption**

During heating:



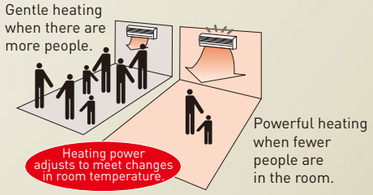
During Cooling:



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

Flexible power control

You're always comfortable with an inverter heatpump. 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 heatpump can deliver warm comfort even in the coldest winters.



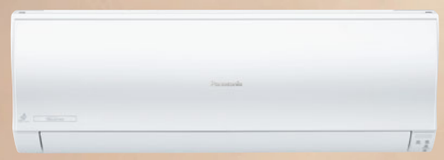
R410A INVERTER

Single Inverter Split

Wall-Mounted

Nordic Super Deluxe

NEW



Heating Possible -20℃ | High COP

With Bilingual Sticker

CU-HE9GKE/HE12GKE

Model No	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)
EER/COP(W/W)	5.10 A /5.22 A	4.12 A /4.62 A

Super allergy-buster

SUPER QUIET 24dB

CS-HE9GKE

Nordic Deluxe

NEW

Low Ambient Cooling

Heating Possible -20℃ | Freezing Prevention Heating

With Bilingual Sticker

CU-NE7GKE/NE9GKE NE12GKE

Model No	CS-NE7GKE	CS-NE9GKE	CS-NE12GKE
Capacity(kW)	2.05(0.60~2.40)/2.80(0.60~4.00)	2.60(0.60~3.00)/3.60(0.60~5.40)	3.50(0.60~4.00)/4.80(0.60~6.60)
EER/COP(W/W)	4.46 A /4.52 A	4.41 A /4.36 A	3.80 A /3.84 A

Super allergy-buster

SUPER QUIET 22dB

CS-NE7GKE

Low Ambient Cooling

Special specifications also enable year-round cooling even during the cold of winter. This is ideal, for example, for computer/server rooms or other locations with temporaryor year-round heat sources.

* Operating temperature limit is -15℃.

Nordic Deluxe

NEW

Heating Possible -10℃ | e-ion Air Purifying System

With Bilingual Sticker

CU-CE7GKE/ CE9GKE/ CE12GKE

Model No	CS-CE7GKEW	CS-CE9GKEW	CS-CE12GKEW
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)	3.50(0.80~4.00)/4.80(0.80~6.50)
EER/COP(W/W)	4.27 A /4.31 A	4.41 A /4.31 A	3.83 A /3.81 A

e-ion Air Purifying System

PATROL SENSOR

SUPER QUIET 22dB

CS-CE7GKEW

SUPER QUIET 24dB

CS-CE9GKEW

Feature Comparison >> p.30–p.31 Specifications >> p.20

SUPER QUIET 22dB SUPER QUIET 24dB In the Quiet mode during heating operation with low fan speed

Single Inverter Split

Wall-Mounted

Deluxe

Low Ambient Cooling

With Bilingual Sticker

CU-E15EKEA/E18EKEA E21EKEA

Model No	CS-E15EKEA *Different Design	CS-E18EKEA	CS-E21EKEA
Capacity(kW)	4.40(0.90~5.00)/5.50(0.90~7.10)	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 /3.50	3.21 A /3.69 A	2.85/3.43

SUPERSONIC

Super allergy-buster

ION

Low Ambient Cooling

Special specifications also enable year-round cooling even during the cold of winter. This is ideal, for example, for computer/server rooms or other locations with temporaryor year-round heat sources.

* Operating temperature limit is -15℃.

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

Super allergy-buster

ION

SUPER QUIET 24dB

CS-TE9DKE

Feature Comparison >> p.30–p.31 Specifications >> p.20–p.21

SUPER QUIET 24dB 24dB: In the Quiet mode during heating operation with low fan speed

Single Inverter Split

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-E21DTES
Capacity(kW)	4.15(0.90~4.55)/5.17(0.90~6.30)	5.00(0.90~5.40)/6.10(0.90~7.60)	5.80(0.90~6.60)/6.80(0.90~8.10)
EER/COP(W/W)	3.22 A /3.34	3.01/3.35	3.01/3.42

SUPER allerubuster

(option)

Cassette (4-way)

Panel CZ-BT20E

With Bilingual Sticker

CU-E15DBE/E18DBE/ E21DBE

Height difference: 15m

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

SUPER allerubuster

(option)

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 A /2.64	3.15/3.30

Feature Comparison >> p.30–p.31 Specifications >> p.21

Single Split

Wall-Mounted

Deluxe

With Bilingual Sticker

CU-V7DKE

CU-V9DKE/ V12DKE

Model No	CS-V7DKE	CS-V9DKE	CS-V12DKE
Capacity(kW)	2.40	3.00	3.68
EER/COP(W/W)	3.24 A	3.21 A	3.23 A

SUPER SONIC | SUPER allerubuster | ION

Deluxe Wide

With Bilingual Sticker

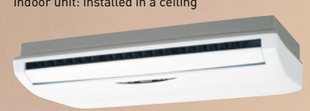
CU-V18DKE/V24DKE/ V28EKE

Model No	CS-V18DKE	CS-V24DKE	CS-V28EKE Different Design
Capacity(kW)	5.30	7.03	7.91
EER/COP(W/W)	3.25 A	2.70	3.22 A

SUPER SONIC | SUPER allerubuster | ION

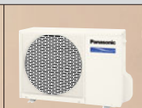
Floor or Ceiling

Indoor unit: installed in a ceiling



Indoor unit: installed on a floor

With Bilingual Sticker



CU-V12CTP5

CU-V18CTP5/ V24CTP5

Model No	CS-V12CTP	CS-V18CTP	CS-V24CTP
Capacity(kW)	3.52	5.30	7.03
EER/COP(W/W)	3.20	3.17	2.58

Feature Comparison >> p.38~p.39 Specifications >> p.22

Indoor Unit

Wall-Mounted

Deluxe

NEW

With Bilingual Sticker

Model No	CS-CE7GKEW	CS-CE9GKEW	CS-CE12GKEW★	CS-E15GKEW★
Cooling Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class

e-ion Air Purifying System / Patrol Sensor

Deluxe Wide

NEW

With Bilingual Sticker

Model No	CS-E18GKEW★
Cooling Capacity	5.0kW class

e-ion Air Purifying System / Patrol Sensor

Cassette (1-way)

Panel CZ-BT20P

With Bilingual Sticker

Model No	CS-ME7EB1E	CS-ME10EB1E	CS-ME12EB1E	CS-ME14EB1E
Cooling Capacity	2.2kW class	2.8kW class	3.2kW class	4.0kW class

Cassette (4-way)

Panel CZ-BT20E

With Bilingual Sticker

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

SUPER aero-heater 5 (option)

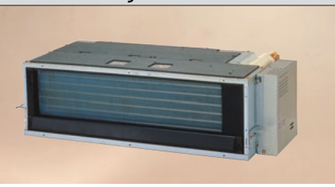
Floor or Ceiling

With Bilingual Sticker

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

SUPER aero-heater 5 (option)

Hide-Away



With Bilingual Sticker

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

SUPER QUIET 24dB

CS-ME10DD3EG

Outdoor Unit

2 rooms

NEW

CU-2E15GBE

CU-2E18CBPG

3 rooms

CU-3E18EBE
CU-3E23CBPG

4 rooms

CU-4E27CBPG

Additional Parts

Pipe Size Reducer

CZ-MA1P

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

Feature Comparison ›› p.30~p.31 Specifications ›› p.24~p.27

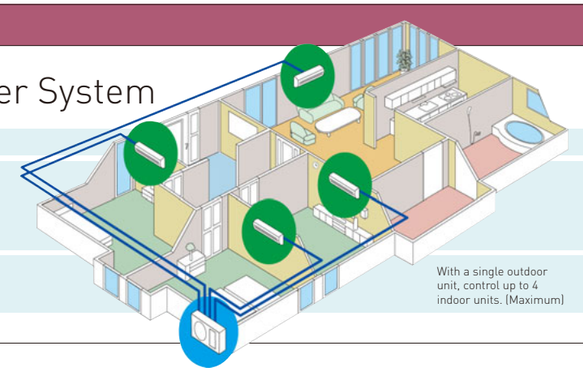
SUPER QUIET 24dB: In the Quiet mode during heating operation with low fan speed

R410A INVERTER

Advantages of the Multi Inverter System

Indoor unit

- **A variety of indoor units**
- **Air-quality features** (Wall-mounted type only)
  - •e-ion Air Purifying System
  - •Patrol Sensor
- **Adjust the operation settings for each indoor unit independently**



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

Combination Patterns

	Models	Indoor Units: Possible Combination Patterns (Must be within capacity range.)	Capacity Range	Refrigerant Pipe Diameter: Indoor Unit	Liquid Side	Gas Side	Pipe Extension: Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height	Indoor Unit Combinations: Type / Capacity [kW class]	Wall-Mounted	Cassette (1-way)	Cassette (4-way)	Floor or Ceiling	Hide-Away
2 rooms	CU-2E15GBE	PORT A 2.2 2.8 3.2 * Either unit; PORT B 2.2 2.8 3.2 * Either unit	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	●				
	Dimensions (HxWxD): 540 x 780(+70) x 289 mm Weight: 38 kg	* At least two indoor units must be connected.	Make sure to keep combinations within this range.	Room B	ø 6.35	ø 9.52						2.8	●			●	●
												3.2	●	●			
	CU-2E18CBPG	PORT A 2.2 2.8 3.2 * Either unit; PORT B 2.2 2.8 3.2 * Either unit	4.4 | 6.4 kW	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	2.2	●				
	Dimensions (HxWxD): 540 x 780(+70) x 289 mm Weight: 38 kg	* At least two indoor units must be connected.	Make sure to keep combinations within this range.	Room B	ø 6.35	ø 9.52						2.8	●			●	●
												3.2	●				
3 rooms	CU-3E18EBE	PORT A 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT B 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT C 2.2 2.8 3.2 4.0 5.0 * Either unit	5.0 | 9.0 kW	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.2	●	●			
	Dimensions (HxWxD): 735 x 826(+73) x 300 mm Weight: 49 kg	* At least two indoor units must be connected.	Make sure to keep combinations within this range.	Room B	ø 6.35	ø 9.52						2.8	●	●		●	●
												3.2	●	●			
				Room C	ø 6.35	ø 9.52						4.0	●	●	●	●	●
												5.0	●		●	●	●
	CU-3E23CBPG	PORT A 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT B 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT C 2.2 2.8 3.2 4.0 5.0 * Either unit	5.0 | 10.0 kW	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.2	●	●			
	Dimensions (HxWxD): 735 x 826(+110) x 300 mm Weight: 57 kg	* At least two indoor units must be connected.	Make sure to keep combinations within this range.	Room B	ø 6.35	ø 9.52						2.8	●	●		●	●
												3.2	●	●			
				Room C	ø 6.35	ø 9.52						4.0	●	●	●	●	●
												5.0	●		●	●	●
4 rooms	CU-4E27CBPG	PORT A 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT B 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT C 2.2 2.8 3.2 4.0 5.0 * Either unit; PORT D 2.2 2.8 3.2 4.0 5.0 * Either unit	5.0 | 13.6 kW	Room A	ø 6.35	ø 9.52	25 m	70 m	40 m	20 g/m	15 m	2.2	●	●			
	Dimensions (HxWxD): 908 x 900 x 320 mm Weight: 73 kg	* At least two indoor units must be connected.	Make sure to keep combinations within this range.	Room B	ø 6.35	ø 9.52						2.8	●	●		●	●
												3.2	●	●			
				Room C	ø 6.35	ø 9.52						4.0	●	●	●	●	●
												5.0	●		●	●	●
				Room D	ø 6.35	ø 9.52											

Specifications

Single Inverter Split R410A INVERTER

Cooling
Heating

Model	(50Hz)	CS-HE9GKE (CU-HE9GKE)	CS-HE12GKE (CU-HE12GKE)	CS-NE7GKE (CU-NE7GKE)	CS-NE9GKE (CU-NE9GKE)	CS-NE12GKE (CU-NE12GKE)	CS-CE7GKEW (CU-CE7GKE)	CS-CE9GKEW (CU-CE9GKE)	CS-CE12GKEW (CU-CE12GKE)	CS-E15EKEA (CU-E15EKEA)	CS-E18EKEA (CU-E18EKEA)	CS-E21EKEA (CU-E21EKEA)
Cooling Capacity	kW	2.60 (0.60 - 3.00)	3.50 (0.60 - 4.00)	2.05 (0.60 - 2.40)	2.60 (0.60 - 3.00)	3.50 (0.60 - 4.00)	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)
	kcal/h	2,240 (520 - 2,580)	3,010 (520 - 3,440)	1,760 (520 - 2,060)	2,240 (520 - 2,580)	3,010 (520 - 3,440)	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)
EER	W/W	5.10	4.12	4.46	4.41	3.80	4.27	4.41	3.83	3.21	3.21	2.85
Heating Capacity	kW	3.60 (0.60 - 6.50)	4.80 (0.60 - 7.70)	2.80 (0.60 - 4.00)	3.60 (0.60 - 5.40)	4.80 (0.60 - 6.60)	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)
	kcal/h	3,100 (520 - 5,590)	4,130 (520 - 6,620)	2,410 (520 - 3,440)	3,100 (520 - 4,640)	4,130 (520 - 5,680)	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)
COP	W/W	5.22	4.62	4.52	4.36	3.84	4.31	4.31	3.81	3.50	3.69	3.43
Electrical Data Voltage	V	230	230	230	230	230	230	230	230	230	230	230
Running Current	A	2.4 3.2	4.0 4.8	2.2 3.0	2.8 3.9	4.3 5.8	2.3 3.1	2.8 3.9	4.2 5.8	6.3 7.1	7.5 8.1	9.9 9.3
Power Input	W	510 (120 - 700) 690 (115 - 1,720)	850 (120 - 1,050) 1,040 (115 - 2,280)	460 (120 - 560) 620 (115 - 920)	590 (120 - 750) 825 (115 - 1,360)	920 (120 - 1,180) 1,250 (115 - 1,850)	480 (170 - 590) 650 (160 - 1,020)	590 (175 - 750) 835 (165 - 1,340)	915 (185 - 1,180) 1,260 (175 - 1,890)	1,370 (215 - 1,600) 1,570 (245 - 2,250)	1,650 (215 - 2,050) 1,790 (245 - 2,650)	2,210 (215 - 2,540) 2,100 (245 - 2,750)
Noise: Sound Pressure Level Indoor (Hi/Lo/S-Lo)	dB(A)	39/26/23 42/27/24	42/29/26 44/33/30	37/24/21 38/25/22	39/26/23 40/27/24	42/29/26 42/33/30	37/24/21 38/25/22	39/25/21 40/27/24	42/28/21 42/33/30	43/32/29 43/35/32	44/37/34 44/37/34	45/37/34 45/37/34
Outdoor (Hi)	dB(A)	46 47	48 50	45 46	46 47	48 50	45 46	46 47	48 50	46 46	47 47	48 49
Sound Power Level* Indoor (Hi)	dB	52 53	55 55	48 49	50 51	53 53	48 49	50 51	53 53	54 54	57 57	58 58
Outdoor (Hi)	dB	59 60	61 63	58 59	59 60	61 63	58 59	59 60	61 63	59 59	60 60	61 62
Moisture Removal	L/h	1.6	2.0	1.3	1.6	2.0	1.3	1.6	2.0	2.4	2.9	3.5
External Static Pressure	Pa (mmAq)	–	–	–	–	–	–	–	–	–	–	–
Air Circulation (Indoor/Hi)	m³/min	10.5 12.5	11.3 13.5	10.0 10.5	10.6 11.2	11.4 11.9	9.8 10.3	10.4 11.0	11.2 11.7	11.0 11.8	15.2 16.7	16.2 17.3
Dimensions Indoor (Outdoor) Height	mm	298 (540)	298 (540)	280 (540)	280 (540)	280 (540)	280 (540)	280 (540)	280 (540)	280 (750)	275 (750)	275 (750)
Width	mm	870 (780)	870 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (780)	799 (875)	998 (875)	998 (875)
Depth	mm	199 (289)	199 (289)	183 (289)	183 (289)	183 (289)	183 (289)	183 (289)	183 (289)	183 (345)	230 (345)	230 (345)
Net Weight Indoor (Outdoor)	kg	12 (37)	12 (37)	9.0 (34)	9.0 (35)	9.0 (35)	9 (33)	9 (34)	9 (35)	9 (48)	11 (49)	11 (51)
Refrigerant Pipe Diameter Liquid Side	mm inch	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"
Gas Side	mm inch	9.52 3/8"	12.70 1/2"	9.52 3/8"	9.52 3/8"	12.70 1/2"	9.52 3/8"	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"
Pipe Extension Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length**	m	15	15	15	15	15	15	15	15	15	20	20
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Indoor	Indoor	Indoor
Energy Saving Classification: Cooling Class		A	A	A	A	A	A	A	A	A	A	C
Annual Energy Consumption	kW	255	425	230	295	460	240	295	460	685	825	1,105
Heating Class		A	A	A	A	A	A	A	A	B	A	B

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 R410A INVERTER

Cooling
Heating

Model	(50Hz)	CS-TE9DKE (CU-TE9DKE)	CS-TE12DKE (CU-TE12DKE)	CS-E15DTEW (CU-E15DBE)	CS-E18DTEW (CU-E18DBE)	CS-E21DTES (CU-E21DBE)	CS-E15DB4EW (CU-E15DBE)	CS-E18DB4EW (CU-E18DBE)	CS-E21DB4ES (CU-E21DBE)	CS-E15DD3EW (CU-E15DBE)	CS-E18DD3EW (CU-E18DBE)
Cooling Capacity	kW	2.60 (0.60 - 3.00)	3.50 (0.60 - 4.00)	4.15 (0.90 - 4.55)	5.00 (0.90 - 5.40)	5.80 (0.90 - 6.60)	4.10 (0.90 - 4.80)	4.80 (0.90 - 5.70)	5.90 (0.90 - 6.30)	4.10 (0.90 - 4.70)	5.10 (0.90 - 5.70)
	kcal/h	2,240 (520 - 2,580)	3,010 (520 - 3,440)	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	4.48	3.89	3.22	3.01	3.01	3.15	3.14	2.88	3.31	3.15
Heating Capacity	kW	3.60 (0.60 - 5.30)	4.80 (0.60 - 6.50)	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	3,100 (520 - 4,560)	4,130 (520 - 5,590)	4,450 (770 - 5,420)	5,250 (770 - 6,540)	5,850 (770 - 6,970)	4,390 (770 - 5,330)	4,820 (770 - 6,110)	6,020 (770 - 6,880)	4,130 (770 - 4,730)	5,250 (770 - 6,110)
COP	W/W	4.26	3.64	3.34	3.35	3.42	2.88	2.95	2.86	2.64	3.30
Electrical Data Voltage	V	230	230	230	230	230	230	230	230	230	230
Running Current	A	2.7 3.9	4.2 6.2	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	580 (120 - 720) 845 (115 - 1,360)	900 (120 - 1,160) 1,320 (115 - 1,880)	1,290 (255 - 1,550) 1,550 (260 - 2,050)	1,660 (255 - 1,890) 1,820 (260 - 2,380)	1,930 (255 - 2,240) 1,990 (260 - 2,650)	1,300 (255 - 1,710) 1,770 (260 - 2,180)	1,530 (255 - 1,930) 1,900 (260 - 2,450)	2,050 (255 - 2,200) 2,450 (260 - 2,820)	1,240 (255 - 1,500) 1,820 (260 - 2,090)	1,620 (255 - 1,840) 1,850 (260 - 2,200)
Noise: Sound Pressure Level Indoor (Hi/Lo/S-Lo)	dB(A)	39/26/23 40/27/24	42/29/26 42/33/30	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	48 50	46 47	47 48	48 49	45 47	47 48	49 49	46 47	47 48
Sound Power Level* Indoor (Hi)	dB	50 51	53 53	58 58	59 60	60 60	47 48	49 50	54 55	49 51	57 57
Outdoor (Hi)	dB	59 60	61 63	59 60	60 61	61 62	58 60	60 61	62 62	59 60	60 61
Moisture Removal	L/h	1.5	2.0	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)	m³/min	9.2 10.5	9.9 10.9	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	298 (540)	298 (540)	540 (750)	540 (750)	540 (750)	260/51 (750)	260/51 (750)	260/51 (750)	235 (750)	285 (750)
Width	mm	799 (780)	799 (780)	1,028 (875)	1,028 (875)	1,028 (875)	575/700 (875)	575/700 (875)	575/700 (875)	750 (875)	750 (875)
Depth	mm	139 (289)	139 (289)	200 (345)	200 (345)	200 (345)	575/700 (345)	575/700 (345)	575/700 (345)	370 (345)	370 (345)
Net Weight Indoor/Panel** (Outdoor)	kg	8 (33)	8 (34)	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"	6.35 1/4"	6.35 1/4"
Gas Side	mm inch	9.52 3/8"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"	12.70 1/2"
Pipe Extension Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3	3
Maximum Pipe Length***	m	15	15	20	20	20	20	20	20	20	20
Power Supply		Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Energy Saving Classification: Cooling Class		A	A	A	B	B	B	B	C	A	B
Annual Energy Consumption	kW	290	450	645	830	965	650	765	1,025	620	810
Heating Class		A	A	C	C	B	D	D	D	E	C

Rating Conditions

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

* 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.

Specifications

Single Split R410A

Model	(50Hz)	CS-V7DKE (CU-V7DKE)	CS-V9DKE (CU-V9DKE)	CS-V12DKE (CU-V12DKE)	CS-V18DKE (CU-V18DKE)	CS-V24DKE (CU-V24DKE)	CS-V28EKE (CU-V28EKE)	CS-V12CTP (CU-V12CTP5)	CS-V18CTP (CU-V18CTP5)	CS-V24CTP (CU-V24CTP5)
Cooling Capacity	kW	2.40	3.00	3.68	5.30	7.03	7.91	3.52	5.30	7.03
	kcal/h	2,060	2,580	3,160	4,560	6,050	6,800	3,030	4,530	6,050
EER	W/W	3.24	3.21	3.23	3.25	2.70	3.22	3.20	3.17	2.58
Electrical Data										
Voltage	V	230	230	230	230	230	230	230	230	230
Running Current	A	3.4	4.2	5.3	7.3	12.3	11.3	4.9	7.5	13.1
Power Input	W	740	935	1,140	1,630	2,600	2,460	1,100	1,670	2,730
Noise — Sound Pressure Level										
Indoor (Hi/Lo)	dB(A)	33/26/23	35/26/23	39/29/26	42/37/34	46/40/37	49/44/41	39/33	45/39	47/42
Outdoor (Hi)	dB(A)	46	48	49	54	54	55	49	55	60
Noise — Sound Power Level*										
Indoor (Hi)	dB	46	48	52	54	59	62	52	56	60
Outdoor (Hi)	dB	61	63	64	69	69	70	63	68	73
Moisture Removal	L/h	1.5	1.7	2.1	2.9	4.0	4.6	2.0	2.9	3.5
Air Circulation (Indoor/Hi)	m^3/min	7.8	8.5	9.5	14.8	16.9	20.1	9.7	12.2	12.9
Dimensions Indoor (Outdoor)										
Height	mm	280 (510)	280 (540)	280 (540)	275 (750)	275 (750)	340 (750)	540 (540)	540 (685)	540 (685)
Width	mm	799 (650)	799 (780)	799 (780)	998 (875)	998 (875)	1,150 (875)	1,028 (780)	1,028 (800)	1,028 (800)
Depth	mm	183 (230)	183 (289)	183 (289)	230 (345)	230 (345)	260 (345)	200 (289)	200 (300)	200 (300)
Net Weight Indoor (Outdoor)	kg	9 (25)	9 (31)	9 (33)	11.0 (50.0)	11.0 (59.0)	18.0 (62.0)	18 (37)	20 (60)	20 (63)
Refrigerant Pipe Diameter										
Liquid Side	mm / inch	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"	6.35 1/4"
Gas Side	mm / inch	9.52 3/8"	9.52 3/8"	12.70 1/2"	12.70 1/2"	15.88 5/8"	15.88 5/8"	12.70 1/2"	12.70 1/2"	15.88 5/8"
Pipe Extension										
Minimum Pipe Length	m	3	3	3	3	3	3	3	3	3
Maximum Pipe Length**	m	10	10	15	25	25	30	15	25	25
Power Supply		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Energy Saving Classification — Cooling Class		A	A	A	A	D	A	B	B	E
Annual Energy Consumption	kW	370	470	570	815	1,300	1,230	550	835	1,365

Rating Conditions

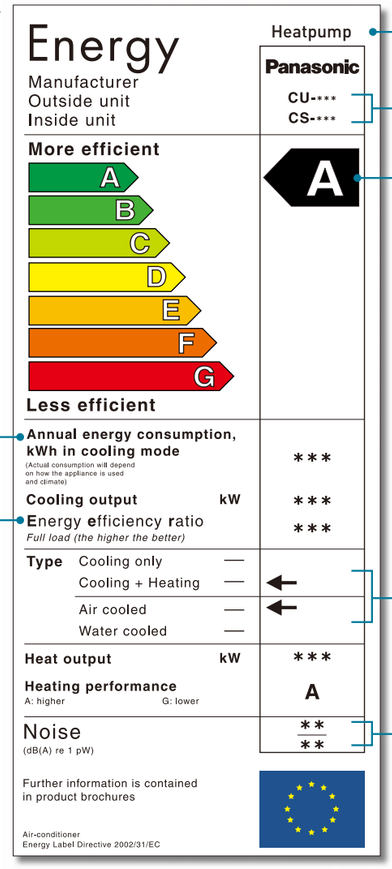
	Cooling
Inside air temperature	27°C DB/19°C WB
Outside air temperature	35°C DB/24°C WB

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

Energy-Efficiency Classifications

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

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
The higher the EER, the greater the energy efficiency.

The type of heatpump

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 heatpumps.

Specifications

Multi Inverter Split : Indoor Units

R410A INVERTER

Cooling
Heating

Wall-Mounted

Model (Cooling Capacity)	CS-CE7GKEW (2.2 kW class)	CS-CE9GKEW (2.8 kW class)	CS-CE12GKEW (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/S-Lo) Sound Pressure Level dB(A)	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 dB	53/42 53/42	53/42 53/42	57/45 57/45	57/45 57/46	59/46 59/48
Fan Output W	30	30	30	30	30
Dimensions					
Height mm	280	280	280	280	275
Width mm	799	799	799	799	998
Depth mm	183	183	183	183	230
Net Weight kg	9.0	9.0	9.0	9.0	10.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²				
Refrigerant Pipe Diameter					
Liquid Side mm	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	12.70*	12.70*	12.70*

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

	Cassette (1-way)				Cassette (4-way)	
Model (Cooling 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)
Power Source	Single phase, 230 V, 50 Hz					
Noise (Hi/Lo/S-Lo) Sound Pressure Level dB(A)	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
Sound Power Level dB	53/45 55/45	53/45 55/45	54/45 56/45	56/45 57/47	47/39 48/41	49/41 50/42
Fan Output W	30	30	30	30	40	40
Dimensions						
Height mm	185	185	185	185	260	260
Width mm	770	770	770	770	575	575
Depth mm	360	360	360	360	575	575
Net Weight kg	9.8	9.8	9.8	10.5	18.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²					
Refrigerant Pipe Diameter						
Liquid Side mm	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	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.

	Floor or Ceiling			Hide-Away		
Model (Cooling Capacity)	CS-ME10DTEG (2.8 kW class)	CS-E15DTEW (4.0 kW class)	CS-E18DTEW (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/S-Lo) Sound Pressure Level dB(A)	39/31/28 40/31/28	45/37/34 45/33/30	46/39/36 47/35/32	31/27/24 35/27/24	33/27/24 35/28/26	41/30/27 41/32/29
Sound Power Level dB	52/44 53/44	58/50 58/46	59/52 60/48	47/43 51/43	49/43 51/44	57/46 57/48
Fan Output W	51	51	51	30	30	30
External Static Pressure Pa(mmAq)	— —	— —	— —	25 (2.55)	25 (2.55)	25 (2.55)
Air Circulation m³/min	—	—	—	7.0	7.8	10.3
Dimensions						
Height mm	540	540	540	235	235	285
Width mm	1,028	1,028	1,028	750	750	750
Depth mm	200	200	200	370	370	370
Net Weight kg	17.0	17.0	18.0	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm²					
Refrigerant Pipe Diameter						
Liquid Side mm	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side mm	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

R410A INVERTER

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 mm²				
Pipe Length Range (1 room)	m	3 - 20	3 - 20	3 - 25	3 - 25	3 - 25
Maximum Pipe Length (Total room)***	m	30	30	50	50	70
Refrigerant Pipe Diameter						
Liquid Side	mm	6.35	6.35	6.35	6.35	6.35
Gas Side	mm	9.52	9.52	9.52	9.52	9.52
Energy Saving Classification	Cooling Class	A	A	A	A	A
	Annual Energy Consumption kW	615	760	610	975	990
	Heating Class	A	A	A	A	A

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

INVERTER

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				
		kW	kW	kW	A	W		kW	kW	kW	kW	A	W		
1 room	2.2	2.20	–	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	A	260	3.20	–	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	A
	2.8	2.80	–	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	A	375	4.00	–	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	B
	3.2	3.20	–	3.20 (1.1 - 4.0)	4.30	920 (220 - 1,220)	A	460	4.50	–	4.50 (0.7 - 6.2)	5.55	1,250 (170 - 1,810)	B
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	A	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	A	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 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

* 2.8kW class: CS-ME10DD3EG (Hide-Away 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			
		kW	kW	kW	A	W		kW	kW	kW	kW	A	W	
1 room	2.2	2.20	–	2.20 (1.1 - 2.9)	2.45	520 (220 - 750)	A	260	3.20	–	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)	A
	2.8	2.80	–	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	A	375	4.00	–	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)	B
	3.2	3.20	–	3.20 (1.1 - 4.0)	4.30	920 (220 - 1,220)	A	460	4.50	–	4.50 (0.7 - 6.2)	5.55	1,250 (170 - 1,810)	B
2 rooms	2.2 + 2.2	2.25	2.25	4.50 (1.5 - 5.0)	5.75	1,230 (250 - 1,350)	A	615	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	A	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)	A
	2.2 + 2.8*	2.00	2.50	4.50 (1.5 - 5.2)	6.50	1,390 (250 - 1,730)	A	695	2.40	3.00	5.40 (1.1 - 7.0)	6.05	1,360 (210 - 1,670)	A
	2.2 + 3.2	1.95	2.85	4.80 (1.5 - 5.3)	6.10	1,310 (250 - 1,540)	A	655	2.30	3.30	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)	A
	2.8 + 2.8	2.40	2.40	4.80 (1.5 - 5.2)	6.10	1,310 (250 - 1,520)	A	655	2.80	2.80	5.60 (1.1 - 7.2)	5.55	1,250 (210 - 1,740)	A
	2.8* + 2.8*	2.40	2.40	4.80 (1.5 - 5.2)	7.25	1,560 (250 - 1,730)	B	780	2.80	2.80	5.60 (1.1 - 7.2)	6.50	1,470 (210 - 1,740)	A
	2.8 + 3.2	2.30	2.70	5.00 (1.5 - 5.3)	6.95	1,490 (250 - 1,540)	A	745	2.60	3.00	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)	A
	2.8* + 3.2	2.30	2.70	5.00 (1.5 - 5.3)	7.80	1,670 (250 - 1,800)	C	835	2.60	3.00	5.60 (1.1 - 7.2)	6.15	1,390 (210 - 1,720)	A
	3.2 + 3.2	2.60	2.60	5.20 (1.5 - 5.4)	7.10	1,520 (250 - 1,580)	A	760	2.80	2.80	5.60 (1.1 - 7.2)	5.35	1,210 (210 - 1,700)	A

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

CU-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			
		kW	kW	kW	kW	A	W		kW	kW	kW	kW	kW	A	W	
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 rooms	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
	3.2 + 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
3 rooms	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	kW	A	W	
1 room	2.2	2.20	–	–	2.20 (1.9 - 2.7)	2.25	450 (380 - 620)	A	225	3.20	–	–	3.20 (1.7 - 4.1)	3.85	840 (370 - 1,310)	A
	2.8	2.80	–	–	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	A	310	4.00	–	–	4.00 (1.7 - 4.3)	5.40	1,210 (370 - 1,400)	C
	3.2	3.20	–	–	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	A	360	4.50	–	–	4.50 (1.7 - 5.7)	5.85	1,310 (370 - 1,910)	B
	4.0	4.00	–	–	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,390)	A	515	5.60	–	–	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 2,920)	D
	5.0	5.00	–	–	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	B	805	7.10	–	–	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 2,890)	F
2 rooms	2.2 + 2.2	2.20	2.20	–	4.40 (2.1 - 5.0)	4.45	980 (400 - 1,260)	A	490	3.15	3.15	–	6.30 (1.8 - 8.6)	6.25	1,410 (400 - 2,570)	A
	2.2 + 2.8	2.20	2.80	–	5.00 (2.1 - 6.1)	5.50	1,230 (400 - 1,880)	A	615	3.10	4.00	–	7.10 (2.1 - 8.6)	7.55	1,700 (420 - 2,570)	A
	2.2 + 3.2	2.20	3.20	–	5.40 (2.2 - 7.0)	6.10	1,370 (400 - 2,790)	A	685	3.05	4.45	–	7.50 (2.2 - 8.7)	7.75	1,740 (420 - 2,970)	A
	2.2 + 4.0	2.20	4.00	–	6.20 (2.2 - 7.1)	8.00	1,820 (400 - 2,790)	A	910	2.90	5.30	–	8.20 (2.4 - 8.7)	8.85	2,010 (440 - 2,970)	A
	2.2 + 5.0	2.10	4.70	–	6.80 (2.5 - 7.1)	9.85	2,240 (460 - 2,800)	B	1,120	2.65	5.95	–	8.60 (3.2 - 9.0)	9.50	2,160 (530 - 2,960)	A
	2.8 + 2.8	2.80	2.80	–	5.60 (2.2 - 6.9)	6.85	1,550 (400 - 2,780)	A	775	3.85	3.85	–	7.70 (2.3 - 8.7)	8.45	1,930 (440 - 3,040)	A
	2.8 + 3.2	2.80	3.20	–	6.00 (2.2 - 7.0)	7.55	1,700 (400 - 2,790)	A	850	3.70	4.30	–	8.00 (2.4 - 8.8)	8.60	1,970 (440 - 3,020)	A
	2.8 + 4.0	2.80	4.00	–	6.80 (2.2 - 7.1)	10.5	2,390 (400 - 2,790)	C	1,195	3.55	5.05	–	8.60 (2.1 - 9.0)	9.55	2,175 (530 - 3,030)	A
	2.8 + 5.0	2.45	4.35	–	6.80 (2.5 - 7.2)	9.85	2,230 (460 - 2,800)	B	1,115	3.10	5.50	–	8.60 (3.2 - 9.0)	9.50	2,150 (530 - 3,010)	A
	3.2 + 3.2	3.20	3.20	–	6.40 (2.2 - 7.3)	8.15	1,860 (400 - 2,810)	A	930	4.20	4.20	–	8.40 (2.5 - 9.0)	9.05	2,050 (470 - 2,970)	A
	3.2 + 4.0	3.00	3.80	–	6.80 (2.5 - 7.3)	9.65	2,200 (460 - 2,810)	B	1,100	3.80	4.80	–	8.60 (3.2 - 9.0)	9.20	2,090 (530 - 2,970)	A
	3.2 + 5.0	2.65	4.15	–	6.80 (2.6 - 7.4)	9.30	2,120 (460 - 2,820)	A	1,060	3.35	5.25	–	8.60 (3.2 - 9.0)	9.15	2,080 (530 - 2,950)	A
	4.0 + 4.0	3.40	3.40	–	6.80 (2.5 - 7.3)	9.65	2,190 (460 - 2,810)	B	1,095	4.30	4.30	–	8.60 (3.2 - 9.0)	9.15	2,080 (530 - 2,970)	A
	4.0 + 5.0	3.00	3.80	–	6.80 (2.7 - 7.4)	9.30	2,110 (480 - 2,820)	A	1,055	3.80	4.80	–	8.60 (3.2 - 9.1)	9.15	2,070 (530 - 2,950)	A
	5.0 + 5.0	3.40	3.40	–	6.80 (2.8 - 7.4)	9.15	2,070 (480 - 2,820)	A	1,035	4.30	4.30	–	8.60 (3.5 - 9.1)	9.15	2,070 (590 - 2,940)	A
3 rooms	2.2 + 2.2 + 2.2	2.20	2.20	2.20	6.60 (2.2 - 7.7)	8.10	1,850 (410 - 2,450)	A	925	2.86	2.86	2.86	8.58 (3.1 - 8.9)	8.50	1,940 (500 - 2,800)	A
	2.2 + 2.2 + 2.8	2.10	2.10	2.60	6.80 (2.5 - 8.1)	8.70	1,980 (460 - 2,820)	A	990	2.65	2.65	3.30	8.60 (3.2 - 8.9)	8.70	1,980 (510 - 2,800)	A
	2.2 + 2.2 + 3.2	1.95	1.95	2.90	6.80 (2.5 - 8.1)	8.80	1,990 (460 - 2,790)	A	995	2.50	2.50	3.60	8.60 (3.2 - 9.0)	8.60	1,960 (510 - 2,780)	A
	2.2 + 2.2 + 4.0	1.80	1.80	3.20	6.80 (2.6 - 8.2)	8.60	1,970 (460 - 2,790)	A	985	2.25	2.25	4.10	8.60 (3.2 - 8.8)	8.50	1,940 (510 - 2,760)	A
	2.2 + 2.2 + 5.0	1.60	1.60	3.60	6.80 (2.8 - 8.3)	8.60	1,960 (490 - 2,790)	A	980	2.00	2.00	4.60	8.60 (3.2 - 8.8)	8.45	1,920 (510 - 2,760)	A
	2.2 + 2.8 + 2.8	1.90	2.45	2.45	6.80 (2.5 - 8.1)	8.50	1,950 (460 - 2,780)	A	975	2.40	3.10	3.10	8.60 (3.2 - 9.0)	8.45	1,930 (510 - 2,730)	A
	2.2 + 2.8 + 3.2	1.80	2.35	2.65	6.80 (2.6 - 8.1)	8.70	1,980 (460 - 2,790)	A	990	2.30	2.95	3.35	8.60 (3.2 - 8.8)	8.45	1,930 (510 - 2,760)	A
	2.2 + 2.8 + 4.0	1.65	2.15	3.00	6.80 (2.7 - 8.2)	8.60	1,960 (490 - 2,790)	A	980	2.10	2.70	3.80	8.60 (3.2 - 9.0)	8.35	1,910 (510 - 2,760)	A
	2.2 + 2.8 + 5.0	1.50	1.90	3.40	6.80 (2.8 - 8.3)	8.50	1,950 (490 - 2,790)	A	975	1.90	2.40	4.30	8.60 (3.5 - 9.0)	8.45	1,920 (560 - 2,730)	A
	2.2 + 3.2 + 3.2	1.70	2.55	2.55	6.80 (2.7 - 8.3)	8.60	1,970 (460 - 2,800)	A	985	2.20	3.20	3.20	8.60 (3.2 - 9.1)	8.35	1,910 (500 - 2,710)	A
	2.2 + 3.2 + 4.0	1.60	2.30	2.90	6.80 (2.8 - 8.3)	8.50	1,950 (490 - 2,800)	A	975	2.00	2.95	3.65	8.60 (3.2 - 9.0)	8.25	1,890 (500 - 2,710)	A
	2.8 + 2.8 + 2.8	2.26	2.26	2.26	6.78 (2.6 - 8.1)	8.50	1,940 (460 - 2,820)	A	970	2.86	2.86	2.86	8.58 (3.2 - 9.0)	8.35	1,910 (510 - 2,760)	A
	2.8 + 2.8 + 3.2	2.15	2.15	2.50	6.80 (2.7 - 8.2)	8.60	1,960 (490 - 2,790)	A	980	2.75	2.75	3.10	8.60 (3.2 - 9.0)	8.45	1,920 (510 - 2,760)	A
	2.8 + 2.8 + 4.0	2.00	2.00	2.80	6.80 (2.8 - 8.2)	8.50	1,950 (490 - 2,790)	A	975	2.50	2.50	3.60	8.60 (3.3 - 9.0)	8.35	1,900 (500 - 2,760)	A
	2.8 + 3.2 + 3.2	2.10	2.35	2.35	6.80 (2.7 - 8.3)	8.60	1,960 (490 - 2,800)	A	980	2.60	3.00	3.00	8.60 (3.2 - 9.0)	8.35	1,900 (500 - 2,710)	A
	2.8 + 3.2 + 4.0	1.90	2.20	2.70	6.80 (2.8 - 8.4)	8.50	1,950 (490 - 2,800)	A	975	2.40	2.75	3.45	8.60 (3.5 - 9.1)	8.30	1,880 (560 - 2,710)	A
	3.2 + 3.2 + 3.2	2.26	2.26	2.26	6.78 (2.8 - 8.5)	8.60	1,960 (490 - 2,800)	A	980	2.86	2.86	2.86	8.58 (3.3 - 9.1)	8.10	1,850 (520 - 2,670)	A

CU-4E27CBPG

A.E.C. : Annual Energy Consumption

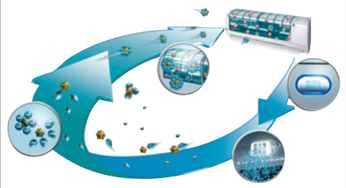
	Indoor Units Capacity	COOLING OPERATION								HEATING OPERATION							
		Cooling Capacity				Running Current	Power Input	Cooling Class	A.E.C.#	Heating Capacity				Running Current	Power Input	Heating Class
		Room A	Room B	Room C	Room D	Total				Room A	Room B	Room C	Room D	Total			
		kW	kW	kW	kW	kW	A	W		kW	kW	kW	kW	kW	A	W	
1 room	2.2	2.20	–	–	–	2.20 (1.9 - 2.7)	2.25	450 (380 - 620)	A	225	3.20	–	–	–	3.20 (1.7 - 4.7)	3.85	840 (370 - 1,830)	A
	2.8	2.80	–	–	–	2.80 (2.0 - 3.4)	2.95	620 (380 - 900)	A	310	4.00	–	–	–	4.00 (1.7 - 4.8)	5.40	1,210 (370 - 1,900)	C
	3.2	3.20	–	–	–	3.20 (2.0 - 3.9)	3.40	720 (380 - 1,090)	A	360	4.50	–	–	–	4.50 (1.7 - 5.8)	5.85	1,310 (370 - 2,290)	B
	4.0	4.00	–	–	–	4.00 (2.0 - 4.4)	4.60	1,030 (380 - 1,390)	A	515	5.60	–	–	–	5.60 (1.8 - 7.2)	8.35	1,900 (370 - 3,560)	D
	5.0	5.00	–	–	–	5.00 (2.1 - 5.2)	7.15	1,610 (400 - 1,800)	B	805	7.10	–	–	–	7.10 (2.1 - 7.3)	12.4	2,840 (430 - 3,560)	F
2 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 - 3,550)	A
	2.2 + 2.8	2.20	2.80	–	–	5.00 (2.1 - 6.1)	5.50	1,230 (400 - 1,880)	A	615	3.10	4.00	–	–	7.10 (2.1 - 9.4)	7.55	1,700 (420 - 3,510)	A
	2.2 + 3.2	2.20	3.20	–	–	5.40 (2.2 - 7.0)	6.10	1,370 (400 - 2,790)	A	685	3.05	4.45	–	–	7.50 (2.2 - 9.8)	7.65	1,740 (420 - 3,490)	A
	2.2 + 4.0	2.20	4.00	–	–	6.20 (2.2 - 7.1)	8.00	1,820 (400 - 2,790)	A	910	3.00	5.30	–	–	8.30 (2.4 - 9.8)	9.05	2,060 (440 - 3,440)	A
	2.2 + 5.0	2.10	4.90	–	–	7.00 (2.5 - 7.2)	11.0	2,500 (460 - 2,800)	D	1,250	2.70	6.10	–	–	8.80 (3.2 - 9.9)	9.90	2,260 (530 - 3,400)	A
	2.8 + 2.8	2.80	2.80	–	–	5.60 (2.2 - 6.9)	6.85	1,550 (400 - 2,780)	A	775	3.85	3.85	–	–	7.70 (2.3 - 9.4)	8.85	2,020 (440 - 3,480)	A
	2.8 + 3.2	2.80	3.20	–	–	6.00 (2.2 - 7.0)	7.55	1,700 (400 - 2,790)	A	850	3.80	4.30	–	–	8.10 (2.4 - 9.8)	8.70	1,980 (440 - 3,460)	A
	2.8 + 4.0	2.80	4.00	–	–	6.80 (2.2 - 7.1)	10.0	2,280 (400 - 2,790)	C	1,140	3.55	5.05	–	–	8.60 (2.1 - 9.8)	9.65	2,175 (530 - 3,390)	A
	2.8 + 5.0	2.55	4.55	–	–	7.10 (2.5 - 7.2)	11.5	2,610 (460 - 2,800)	D	1,305	3.25	5.75	–	–	9.00 (3.2 - 9.9)	10.5	2,390 (530 - 3,370)	A
	3.2 + 3.2	3.20	3.20	–	–	6.40 (2.2 - 7.3)	8.15	1,860 (400 - 2,810)	A	930	4.25	4.25	–	–	8.50 (2.5 - 10.1)	9.30	2,110 (470 - 3,390)	A
	3.2 + 4.0	3.10	3.90	–	–	7.00 (2.5 - 7.3)	10.6	2,410 (460 - 2,810)	C	1,205	3.90	4.90	–	–	8.80 (3.2 - 10.1)	9.85	2,230 (530 - 3,340)	A
	3.2 + 5.0	2.90	4.50	–	–	7.40 (2.6 - 7.4)	12.3	2,820 (460 - 2,880)	D	1,410	3.60	5.60	–	–	9.20 (3.2 - 10.1)	10.5	2,390 (530 - 3,300)	A
	4.0 + 4.0	3.60	3.60	–	–	7.20 (2.5 - 7.3)	11.5	2,620 (460 - 2,810)	D	1,310	4.55	4.55	–	–	9.10 (3.2 - 10.1)	10.3	2,360 (530 - 3,320)	A
	4.0 + 5.0	3.25	4.05	–	–	7.30 (2.7 - 7.4)	11.7	2,670 (480 - 2,820)	D	1,335	4.20	5.20	–	–	9.40 (3.2 - 10.2)	10.9	2,480 (530 - 3,300)	A
	5.0 + 5.0	3.75	3.75	–	–	7.50 (2.8 - 7.6)	12.5	2,860 (480 - 2,870)	D	1,430	4.70	4.70	–	–	9.40 (3.5 - 10.2)	10.9	2,470 (590 - 3,290)	A
3 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	2.60	–	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

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

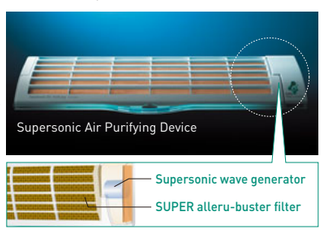
Air is monitored both during the unit operation and when it's switched off. When dirt is detected, the air purifying function is started to immediately clean the air in the room.

Ion Freshener

It is known that areas rich in negative ions, like near waterfalls and forests, generally make people feel refreshed. With Panasonic split heatpump, 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 unit 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 heatpump 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 heatpump. The result is comfortable, economical operation.

Heating possible at -20°C

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

+8°C/+10°C Low-Temperature Heating

During the severe winter period, you can set the unit to provide low-temperature heating to prevent freezing. Minimizing the heating energy required to protect your property, this is an ideal feature for temperature control in your summer house, garage and basement.

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.

-15°C Low Ambient Cooling

Special specifications also enable year-round cooling even during the cold of winter. This is ideal, for example, for computer/server rooms or other locations with temporary or year-round heat sources.

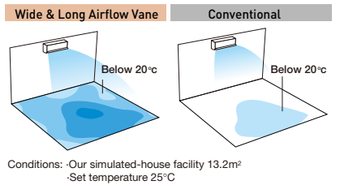
* Operating temperature limit is -15°C.

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.



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.

Sleep Mode

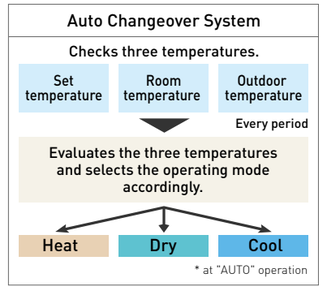
This mode switches to a light breeze and automatically changes the set temperature, stopping later during sleep. Gentle cooling or heating creates an environment for restful sleep, and it's economical.

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.



Automatic Operation Mode (Cooling)

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

Hot Start Control

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

Circulation Operation Mode

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

Convenient

24-Hour ON & OFF Real Setting Timer

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

12-Hour ON & OFF Timer

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.

* HE/NE/CE models are selectable from 14 languages (Spanish, Italian, French, German, Greek, Dutch, Portuguese, Russian, Bulgarian, Ukrainian, Norwegian, Swedish, Finnish, or Danish).
Other models are selectable from 8 languages (Spanish, Italian, French, German, Greek, Dutch, Portuguese, or Russian).

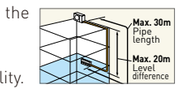
Reliable

Random Auto Restart

All models are now safe to operate without a starter. With the exclusive Random Auto Restart feature, the heatpumps automatically restart after power failure. Its 32 different recovery-timing patterns ensure that heatpumps 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-E28GKE *Extendable length varies by model. *If the piping is extended past the basic pipe length, there's an extra charge for additional refrigerant.

Top-Panel Maintenance Access

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

Self-Diagnostic Function

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

Not all features found on all models.

Feature Comparison

Heat Pump Models
Cooling Models

		Single Inverter Split									Multi Inverter Split						Single Split			
		Wall-Mounted					Floor or Ceiling	Cassette (4-way)		Hide-Away	Wall-Mounted		Floor or Ceiling	Cassette (1-way)	Cassette (4-way)	Hide-Away	Wall-Mounted			Floor or Ceiling
		CS-HE9GKE CS-HE12GKE	CS-NE7GKE CS-NE9GKE CS-NE12GKE	CS-CE7GKEW CS-CE9GKEW CS-CE12GKEW	CS-E15EKEA CS-E18EKEA CS-E21EKEA	CS-TE9DKE CS-TE12DKE	CS-E15DTEW CS-E18DTEW CS-E21DTES	CS-E15DB4EW CS-E18DB4EW CS-E21DB4ES		CS-E15DD3EW CS-E18DD3EW	CS-CE7GKEW CS-CE9GKEW CS-CE12GKEW CS-E15GKEW	CS-E18GKEW	CS-ME10DTEG CS-E15DTEW CS-E18DTEW	CS-ME7EB1E CS-ME10EB1E CS-ME12EB1E CS-ME14EB1E	CS-E15DB4EW CS-E18DB4EW	CS-ME10DD3EG CS-E15DD3EW CS-E18DD3EW	CS-V7DKE CS-V9DKE CS-V12DKE	CS-V18DKE CS-V24DKE	CS-V28EKE	CS-V12CTP CS-V18CTP CS-V24CTP
																				
Healthy Air Quality	e-ion Air Purifying System			●							●	●								
	Patrol Sensor			●							●	●								
	Ion Freshener				●	●											●	●	●	
	Supersonic Air Purifying System				●												●	●	●	
	SUPER alleru-buster filter	●	●		●	●	● (Option)	● (Option)					● (Option)		● (Option)		●	●	●	
	Anti-Mould, One-Touch Air Filter	●	●		●	●	●	●					●	●	●		●	●	●	●
	Odour-Removing Function	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	Removable, Washable Panel	●	●	●	●	●		●			●	●		●	●		●	●	●	
Comfortable	Inverter Control	●	●	●	●	●	●	●		●	●	●	●	●	●	●				
	Heating Possible at -20°C	●	●	**																
	+8°C/+10°C Low-Temperature Heating		●																	
	Quiet Mode	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	
	Powerful Mode	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	
	-15°C Low Ambient Cooling		●		●															
	Soft Dry Operation Mode	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	Wide & Long Airflow Vane		●	●		●					●									
	Personal Airflow Creation	●			●							●						●	●	
	Airflow Direction Control (Up & Down)		●	●		●	●	●			●		●	●	●		●			●
	Manual Horizontal Airflow Direction Control		●	●		●	●				●		●							
	Sleep Mode																			●
	Auto Changeover (Inverter)	●	●	●	●	●	●	●		●	●	●	●	●	●	●				
	Automatic Operation Mode (Cooling)																●	●	●	●
	Hot Start Control	●	●	●	●	●	●	●		●	●	●	●	●	●	●				
	Circulation Operation Mode																●	●	●	●
Convenient	24-Hour ON&OFF Real Setting Timer	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	
	12-Hour ON&OFF Timer																			●
	LCD Wireless Remote Controller	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	Bilingual Sticker	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
Reliable	Random Auto Restart	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	Long Piping	15m	15m	15m	15m(E15) 20m(E18/E21)	15m	20m	20m		20m	30m/20m*(2E15/18) 50m/25m*(3E18/23) 70m/25m*(4E27)	30m/20m*(2E15/18) 50m/25m*(3E18/23) 70m/25m*(4E27)	30m/20m*(2E15/18) 50m/25m*(3E18/23) 70m/25m*(4E27)	50m/25m*(3E18/23) 70m/25m*(4E27)	50m/25m*(3E18/23) 70m/25m*(4E27)	30m/20m*(2E15/18) 50m/25m*(3E23) 70m/25m*(4E27)	10m(V7/V9) 15m(V12)	25m	30m	15m(V12) 25m(V18/V24)
	Top-Panel Maintenance Access	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	Self-Diagnostic Function	●	●	●	●	●	●	●		●	●	●	●	●	●	●				

* Total room / One room
** -10°C Possible

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