



# Panasonic

Clever, made easy

## Deluxe High Wall/ Floor Console Air Conditioner



INTELLIGENT ECO SENSORS

**ECONAVI**

+ **INVERTER**

INTELLIGENT ECO SENSORS

**ECONAVI**

Panasonic ECONAVI appliances automatically sense conditions in your environment and optimise operation.

Energy efficiency is the key to enjoying a comfortable lifestyle while doing right by the environment. Intelligent eco sensors automatically sense the conditions in your home environment, allowing ECONAVI appliances to optimise their operation throughout the day and night.

**ECONAVI** + **INVERTER**

Inside, the INVERTER also leverages sensor data to achieve high-precision control of temperature, timing, power use, and other parameters. Thanks to these advanced Panasonic technologies, ECONAVI appliances minimise waste, energy and water consumption while making your life even more comfortable and convenient.



Remark: Product availability, model names and specifications may vary according to country or region. Please check with Panasonic sales companies or Authorised Local Distributors in each respective country or region.

## THE RELIABILITY OF A GLOBAL BRAND.

Panasonic is a global leader in Air Conditioning solutions with 5 decades of experience in the industry. Our products are sold every day in over 120 countries around the world. We believe that the true value in Air Conditioning comes from extensive testing in reliability and uninterrupted operations that you can count on for years to come. Nothing compares to knowing that comfort is always there to make you feel right at home.

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# ECONAVI AND INVERTER WORK HARD TO SAVE ENERGY

With a Human Activity Sensor and Sunlight Sensor, ECONAVI and INVERTER can monitor human location, movement, absence and sunlight intensity to use energy more efficiently.

## ECONAVI SAVES YOU ENERGY BECAUSE IT KNOWS:



AREA SEARCH

Where you are.



ABSENCE DETECTION

When you leave the room.



ACTIVITY DETECTION

When you are less active.



SUNLIGHT DETECTION

Whether it's a sunny day or night time.



TEMPERATURE WAVE

Adapts rhythmic temperature control after detecting low activity level.





# PURIFIES AIR IN YOUR HOME DOWN TO THE SMALLEST DETAIL

nanoe-G releases 3 trillion fine particles to clean the air in your home environment for fresher and cleaner living.

## 1 REMOVAL OF AIRBORNE PARTICLES

nanoe-G can effectively remove up to 99% of PM2.5 and airborne particles such as bacteria, viruses and mould.

## 2 DEACTIVATION OF ADHESIVE MICRO-ORGANISMS AND DEODORISATION OF ADHESIVE ODOURS

nanoe-G particles are able to deactivate up to 99% of bacteria, viruses and inhibit mould growth that settles on surfaces around you. The odours adhered on the curtains and sofa are deodorised.

## 3 IN-FILTER DEACTIVATION

With In-Filter Deactivation, nanoe-G deactivates 99% of bacteria and viruses trapped inside the filter.





# MAKING A CHANGE FOR SUSTAINABILITY

**R32**  
REFRIGERANT

iAUTO-X FEATURES

**i Auto-X**  
INTELLIGENT . DYNAMIC . COOL .

## REFRIGERANT R32

## BENEFITS OF R32

### WHAT IS R32?

- CH<sub>2</sub>F<sub>2</sub>: Single composition
- Work Load 1.6 x → R22
- Lifetime in atmosphere is shorter, 4 – 9 years
- Ozone Depletion Potential (ODP) = 0
- Non toxic

- Especially suitable for use in Air Conditioning systems
- Better performance rate and efficiency than R22
- Suited to various climates around the world
- Lower refrigerant cost than R410A

## ENVIRONMENTAL IMPACT

In accordance with the Montreal Protocol, the production or import of R22 along with other hydrochlorofluorocarbons (HCFCs) will be gradually phased-out. In the EU and the USA, pure R22 cannot be used for manufacture of new Air Conditioning or similar units from 1 January 2010. In other parts of the world the phase-out date varies from country to country.

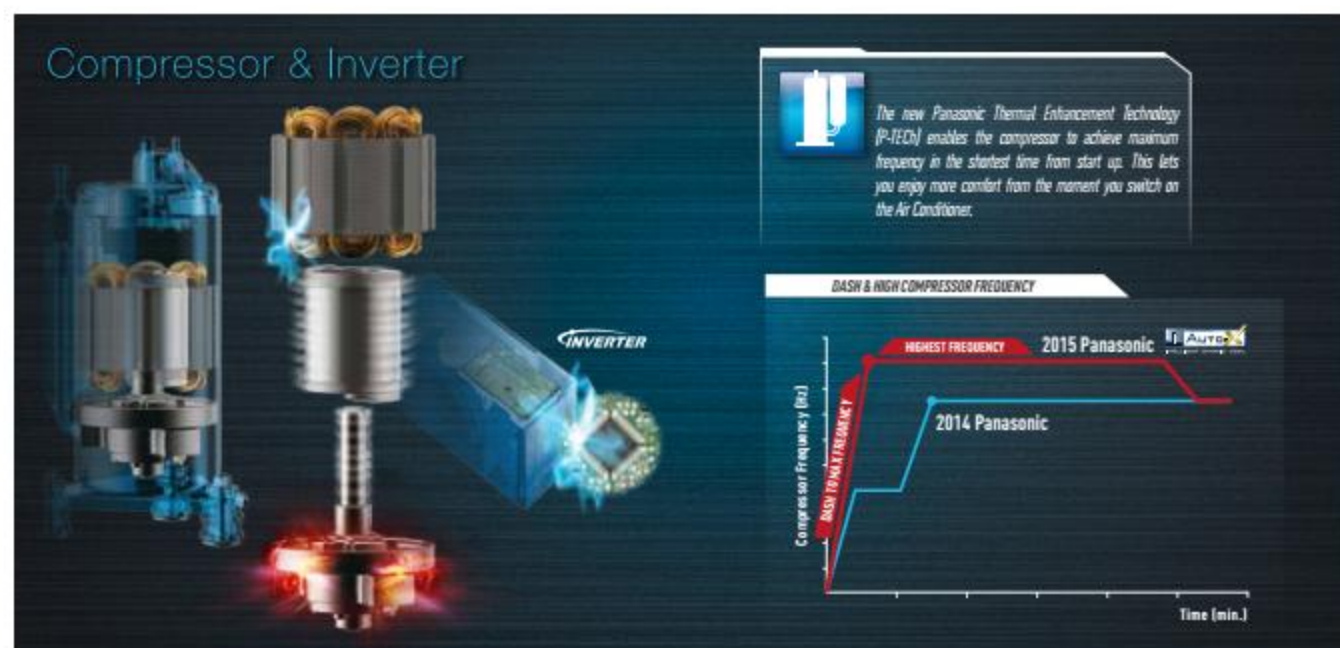
As a result of the international agreement, the ozone hole in Antarctica is slowly recovering.

With the use of more environmental friendly refrigerants, developing countries can meet the expected completion of R22 phase-outs by 2050. If these targets continue to be met, scientists predict a recovery of the ozone layer between 2060 and 2075.

## REFRIGERANT PROPERTIES OF R22, R32, and R410A

	R-32	R410A	R-22
Composition	Single Component	2 Components	Single Component
Mixing Ratio	CH <sub>2</sub> F <sub>2</sub>	50%CH <sub>2</sub> F <sub>2</sub> / 50%CHF <sub>2</sub> CF <sub>3</sub>	CHClF <sub>2</sub>
Boiling Point (°C)	-51.7	-51.5	-40.8
Ozone Depletion Potential (ODP)	0	0	0.055
Global Warming Potential (GWP)	675	2090	1810
Pressure	1.6 x	1.6 x	1 x
Refrigerant Oil	Synthetic Oil [FW50S]	Synthetic Oil [FW50S]	Mineral Oil
Toxicity	None	None	None
Flammability	A2L Mildly flammable	A1 Non-flammable	A1 Non-flammable

MORE POWER  
AND MORE SPEED  
WITH **P-TECH.**





## RKR SERIES FEATURES



### ENERGY SAVING

INTELLIGENT ECO SENSORS



ECONAVI features an energy-saving, intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduce waste by optimising Air Conditioner operation according to room conditions.



The new Panasonic Thermal Enhancement Technology (P-TECH) enables the compressor to achieve maximum frequency in the shortest time from start up. Together with AEROWINGS, this concentrates airflow to cool you down in the shortest time possible. After reaching the set temperature, Shower Cooling directs airflow towards the ceiling to avoid direct cooling. This helps distribute cool air evenly throughout the room, giving you long-lasting comfort.

### ENERGY SAVING



R32 refrigerant is now available in the RKR series. This refrigerant is more energy efficient and has less impact on the environment.



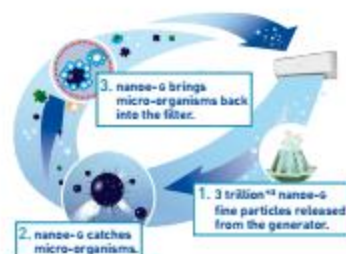
Panasonic's high-efficiency technologies clear stringent energy saving standards. Our new deluxe models have attained high Energy-Efficiency Classification Star Rating, which places them as one of the industry's top class energy savers. This means you can use these models everyday, without having to worry about the electric bill.

### CLEAN AIR



nanoe-G utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould thus ensuring a cleaner living environment.

\*\* 3 trillion is the simulated number of nanoe-G fine particles under the mentioned conditions. Actual measured nanoe-G fine particles at the centre of the room (13m<sup>2</sup>):100k/cc calculated number of nanoe-G fine particles in the entire room assuming they are evenly distributed.



## RELIABILITY

### WIDE OPERATING TEMPERATURE RANGE

Panasonic Air Conditioners are perfectly designed to suit New Zealand's climate with outstanding operating temperature range.



Providing outstanding cold climate performance, Panasonic Air Conditioners let you enjoy stable heating even when the outside temperature is below freezing. Units operate from -15°C to 24°C. Add to this exceptional durability and reliability and you are looking at worry-free operation for comfort during winter.



Cooling is possible even when the outside temperature is from \*5°C up to \*46°C. The highly durable compressors and fan motors found inside Panasonic Air Conditioners help to maintain room comfort even under the hottest conditions.



### BLUE FIN CONDENSER

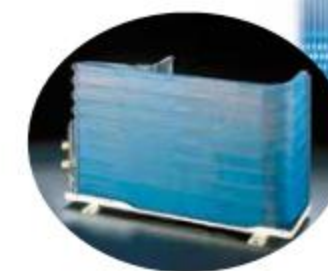
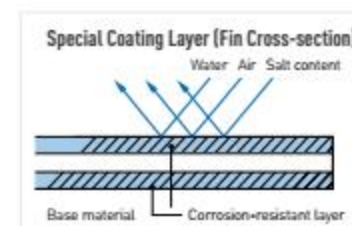
An Air Conditioner's performance depends largely on its condenser, which can take a beating from exposure to salty air, wind, dust and other corrosive factors. Panasonic has found a way to expand the life of our condensers, using a layer of our original anti-rust coating. This special coating lets you enjoy more years of reliable comfort plus extra economy over the long run.

#### Cyclic Corrosion Test Results



#### Test Proven Longer Durability

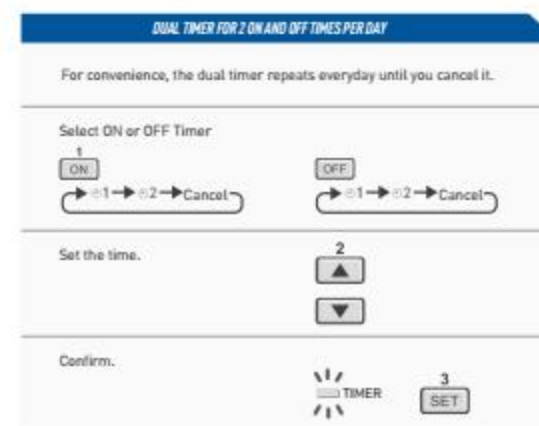
Panasonic's condenser has special coating assures longer condenser life for years of reliable comfort. Note: According to Panasonic test results.



## CONVENIENCE

### EASY-TO-USE REMOTE CONTROLLER

Panasonic's Wireless Remote Controller features a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.



- 1 LCD display for an easy overview of the operation status.
- 2 Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.
- 3 ECONAVI monitors sunlight intensity, human movement, activity levels and human absence to detect and reduce energy waste.
- 4 Activates the nanoe-G function even when the Air Conditioner is switched off.
- 5 Press up or down to set the temperature.
- 6 Toggles between iAUTO-X, COOL and DRY setting mode.
- 7 Maintain higher level of Relative Humidity.
- 8 Set the airflow.
- 9 Adjusts the fan speed.
- 10 Stronger airflow to cool the room more quickly / Quiet function allows you to sleep comfortably at night.
- 11 Set the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer.
- 12 Set the actual time (hour and minute).

Wireless  
Applicable to ECONAVI  
Reverse Cycle Inverter





## RKR SERIES SPECIFICATIONS



CS-Z7RKR | CS-Z9RKR | CS-Z12RKR | CS-Z15RKR



CS-Z18RKR | CS-Z21RKR | CS-Z24RKR | CS-Z28RKR



Wireless



WiFi (Optional)



Wireless



WiFi (Optional)



## SPECIFICATIONS

MODEL		ISHEd	CS-Z7RKR (CU-Z7RKR)	CS-Z9RKR (CU-Z9RKR)	CS-Z12RKR (CU-Z12RKR)	CS-Z15RKR (CU-Z15RKR)	CS-Z18RKR (CU-Z18RKR)	CS-Z21RKR (CU-Z21RKR)	CS-Z24RKR (CU-Z24RKR)	CS-Z28RKR (CU-Z28RKR)
Cooling/Heating <sup>1</sup> Capacity	kW		2.25 [0.85-2.40] 2.70 [0.70-4.10]	2.50 [0.90-3.00] 3.20 [0.80-5.00]	3.50 [0.90-4.00] 3.70 [0.80-5.80]	4.20 [0.90-5.00] 5.50 [0.90-7.10]	5.00 [0.90-6.00] 6.00 [0.90-8.00]	6.80 [1.70-7.10] 7.20 [1.70-8.50]	7.00 [1.70-8.10] 8.00 [1.70-9.90]	8.00 [2.30-8.40] 9.00 [2.30-11.00]
	Btu/h		7640 [2900-8180] 9210 [2390-14000]	8530 [3070-10200] 10980 [2730-17100]	11980 [3070-13600] 12680 [2730-19800]	14300 [3070-20500] 18800 [3070-24200]	17100 [3070-20500] 20500 [3070-27300]	23500 [5800-24200] 24600 [5800-29000]	23900 [5800-27400] 27300 [5800-33800]	27300 [7640-29300] 30700 [7500-37500]
Air Flow	L/s		175 185	203 215	220 227	248 245	295 302	285 265	312 317	328 327
Dehumid	L/h		1.3	1.5	2.0	2.4	2.8	3.3	4.0	4.7
Electrical Data	Voltage	V	240	240	240	240	240	240	240	240
	Running Current	A	1.90 2.50	2.25 2.80	3.5 3.3	4.4 4.3	5.0 4.1	7.3 6.1	9.1 9.4	10.4 10.4
	Power Input	kW	0.41 [0.20-0.57] 0.55 [0.16-1.00]	0.50 [0.21-0.75] 0.62 [0.175-1.30]	0.80 [0.21-1.06] 0.76 [0.175-1.54]	1.07 [0.215-1.60] 1.47 [0.245-2.25]	1.16 [0.23-2.05] 1.39 [0.26-2.45]	1.58 [0.44-2.70] 1.78 [0.40-2.17]	1.97 [0.43-2.48] 2.11 [0.38-3.00]	2.32 [0.44-2.70] 2.41 [0.50-2.99]
EER/SCOP	W / W		5.00 4.91	5.00 5.14	4.38 4.87	3.93 3.74	4.31 4.32	3.80 4.04	3.55 3.79	3.45 3.73
Star Rating			5.0 5.0	5.0 5.5	4.0 5.0	3.0 2.5	4.0 4.0	3.0 3.5	2.5 3.0	2.0 2.5
Energy Star			Y	Y	Y	-	Y	Y	Y	-
Noise	Sound Pressure Level <sup>2</sup>	Inside (H/L/S-Le)	37/34/19 38/25/21	42/25/19 41/27/21	43/24/19 44/29/24	47/20/23 45/21/27	47/24/21 44/23/29	47/26/23 47/25/32	49/27/24 49/27/34	51/28/25 50/28/35
		Outside (H/L/S-Le)	45/- 44/-	47/- 47/-	49/- 50/-	47/62 47/62	48/63 53/68	48/63 53/68	50/69 50/69	55/68 55/68
	Sound Power Level	Outside (H/L/S-Le)	60/- 61/-	62/- 62/-	64/- 65/-	62/57 62/57	62/57 62/57	62/57 62/57	68/63 68/63	73/68 73/68
Net Weight	Indoor (Outdoor)	kg	9 [33]	9 [33]	9 [33]	9 [44]	12 [49]	12 [50]	12 [53]	12 [70]
Dimensions	Indoor (H x W x D)	mm	296x870x236	296x870x236	296x870x236	296x870x236	296x1070x241	296x1070x241	296x1070x241	296x1070x241
	Outdoor (H x W x D)	mm	562x780x289	562x780x289	562x780x289	495x875x320	495x875x320	495x875x320	495x875x320	999x960x340
Refrigerant	Liquid Side	mm / (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm / (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Pipe Extension Length	Min-Max (m)		3-20	3-20	3-20	3-30	3-30	3-30	3-30	3-30
Pipe Length for Additional Gas	m		7.5	7.5	7.5	7.5	10	10	10	10
Additional Refrigerant Gas	g/m		20	20	20	20	20	20	25	25
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling	Degree [°C]	5-44	5-44	5-44	5-44	5-44	5-44	5-44	5-44
	Heating	Degree [°C]	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24

<sup>1</sup> Sound pressure level specification is measured according to JIS C9412.  
<sup>2</sup> Maximum heating capacity shown are the values based on powerful operation.

Rating Conditions		Cooling	Heating
Indoor air temperature		27°C DB / 19°C WB	20°C DB
Outdoor 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 main circuit for the model to be installed.
- Please read the Installation Instructions carefully before installing the unit, and read the Operating Instructions before using.

## OUTDOOR



CU-Z7RKR  
CU-Z9RKR  
CU-Z12RKR



CU-Z15RKR  
CU-Z18RKR  
CU-Z21RKR  
CU-Z24RKR



CU-Z28RKR



## AIR CONDITIONER WI-FI CONTROLLER AND FEATURES EXPLANATION

### THE SMART WAY TO CONTROL YOUR AIR CONDITIONER



WiFi (Optional)

If you've ever found yourself at work, sitting on the train, or at the gym wishing you could turn on your Air Conditioning unit remotely, then IntesisHome's Wi-Fi Controller is a dream come true.

Now compatible with Panasonic's High Wall Air Conditioner range, IntesisHome's Wi-Fi Controller is a new external wireless device which syncs to your Air Conditioning unit via an Internet connection (Wi-Fi, 3G or 4G).

You can easily operate and control your Air Conditioning unit from any location by using your smartphone, tablet or PC via the IntesisHome App or website. It's also easy to sync the system to your calendar and set-up usage patterns which work best for your schedule.



#### CONTROL AND MONITOR

Turn your Air Conditioning unit on/off, control operating modes (cooling, heating, auto), fan speed and louvre position.

#### RECEIVE ALERTS

Notifications are sent to your smart device on maintenance, firmware updates and the status of your Air Conditioning unit.

#### USER-FRIENDLY

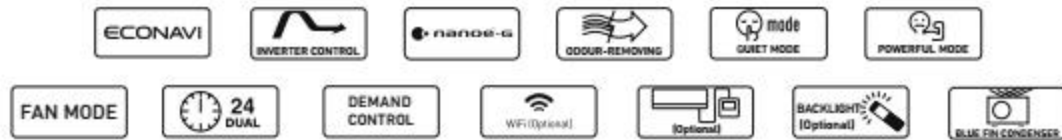
The system is multi-language, and it's equipped with a stylish and intuitive interface.

#### PROGRAMMABLE YEARLY CALENDAR

Easily set-up usage patterns in a calendar schedule.



## PKR SERIES FEATURES



### ENERGY SAVING

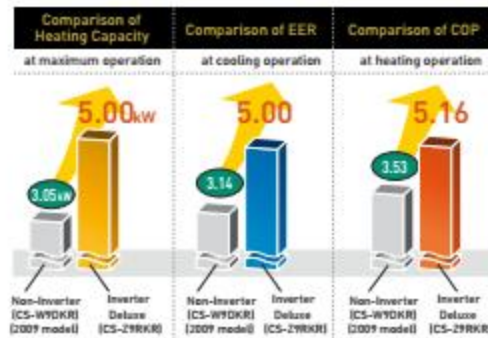
INTELLIGENT ECO SENSORS



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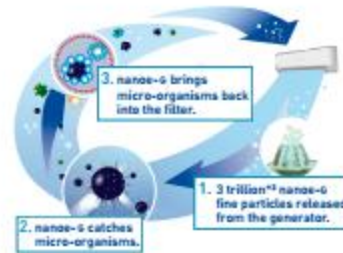


### CLEAN AIR



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### RELIABILITY

#### WIDE OPERATING TEMPERATURE RANGE

Panasonic Air Conditioners are perfectly designed to suit New Zealand's climate with outstanding operating temperature range.

Heating Possible  
-15°C

Providing outstanding cold climate performance, Panasonic Air Conditioners let you enjoy stable heating even when the outside temperature is below freezing. Units operate from -15°C to 24°C. Add to this exceptional durability and reliability and you are looking at worry-free operation for comfort during winter.



Cooling Possible  
46°C

Cooling is possible even when the outside temperature is from \*5°C up to \*46°C. The highly durable compressors and fan motors found inside Panasonic Air Conditioners help to maintain room comfort even under the hottest conditions.

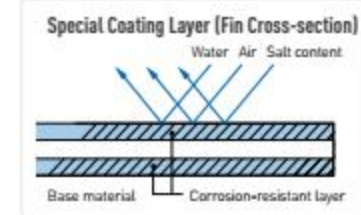
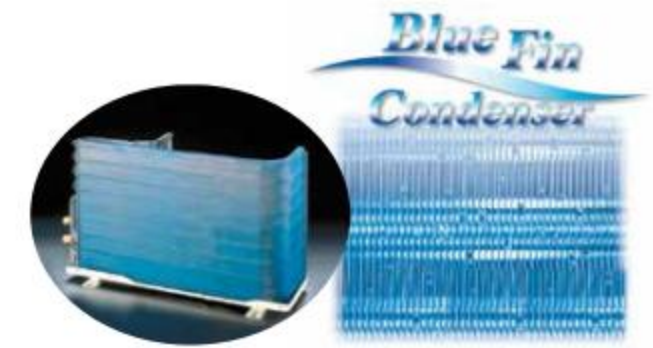


\*Applicable to ECONAVI Reverse Cycle and Cooling Only Inverter model.

### RELIABILITY CONT.

#### BLUE FIN CONDENSER

An Air Conditioner's performance depends largely on its condenser, which can take a beating from exposure to salty air, wind, dust and other corrosive factors. Panasonic has found a way to expand the life of our condensers, using a layer of our original anti-rust coating. This special coating lets you enjoy more years of reliable comfort plus extra economy over the long run.



#### Cyclic Corrosion Test Results



#### Test Proven Longer Durability

Panasonic's condenser has special coating assures longer condenser life for years of reliable comfort. Note: According to Panasonic test results.

### CONVENIENCE

#### EASY-TO-USE REMOTE CONTROLLER WITH DUAL TIMER

##### ■ Wireless Remote Controller

Panasonic's Wireless Remote Controller features a large Liquid Crystal Display (LCD) panel which makes it extremely user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.

LCD display for an easy overview of the operation status

ECONAVI monitors sunlight intensity, human movements, activity levels and human absence to detect and reduce energy waste.

Toggles between AUTO, HEAT, COOL, DRY and FAN setting mode

Maintain higher level of Relative Humidity

Stronger airflow to cool the room more quickly

Reduces the indoor operating sound

Sets the actual time (hour and minute)

Autocomfort mode detects high activity levels and switches to comfort operation for maximum comfort.

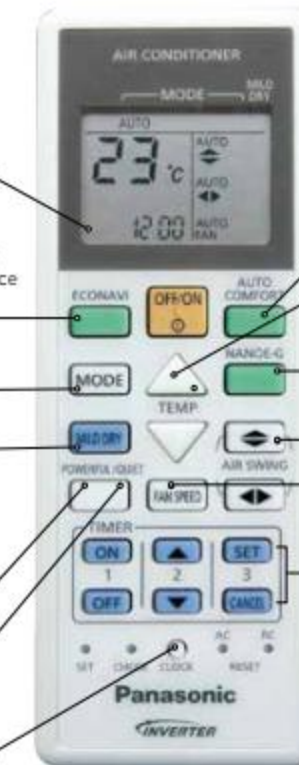
Press up or down to set the temperature

Activates the nanoe-G function even when the Air Conditioner is switched off

Sets the Airflow

Adjusts the fan speed

Sets the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer



Wireless  
Applicable to Deluxe E Series

#### OPTIONAL ACCESSORIES

##### ■ Remote Control

##### Wireless Backlight Remote Controller



CS-E7PKR CS-E18PKR  
CS-E9PKR CS-E21PKR  
CS-E12PKR CS-E24PKR  
CS-E15PKR CS-E28PKR

##### Wired Remote Controller



CS-E7PKR CS-E18PKR  
CS-E9PKR CS-E21PKR  
CS-E12PKR CS-E24PKR  
CS-E15PKR CS-E28PKR

Wireless Backlight (optional)  
Applicable to Deluxe E Series

LCD display comes with backlight

Buttons glow in the dark





## PKR SERIES SPECIFICATIONS



## SPECIFICATIONS

Model	(kW)	CS-E7PKR (CU-E7PKR)	CS-E9PKR (CU-E9PKR)	CS-E12PKR (CU-E12PKR)	CS-E15PKR (CU-E15PKR)	CS-E18PKR (CU-E18PKR)	CS-E21PKR (CU-E21PKR)	CS-E24PKR (CU-E24PKR)	CS-E28PKR (CU-E28PKR)
Cooling/Heating Capacity	kW	2.05 (0.85-1.40) 2.08 (0.70-1.70)	2.68 (0.90-2.00) 2.68 (0.80-2.00)	3.50 (1.10-1.80) 3.50 (0.90-2.00)	4.48 (1.40-2.00) 4.48 (1.10-2.00)	5.60 (1.90-2.00) 5.60 (1.10-2.00)	6.30 (1.70-2.00) 6.30 (1.10-2.00)	7.30 (1.70-2.00) 7.30 (1.10-2.00)	8.80 (2.30-2.00) 8.80 (1.10-2.00)
Air Flow	L/s	175 180	200 215	210 220	240 245	260 265	280 285	340 345	350 355
Dehumid	L/h	1.3	1.6	2.0	2.4	2.8	3.5	4.8	4.7
Running Current	A	2.7 2.8	2.5 2.6	3.7 3.8	5.4 5.5	6.8 6.9	8.4 8.5	9.5 9.7	10.9 11.0
Power Input	kW	0.44 (0.20-0.50) 0.44 (0.10-1.00)	0.55 (0.21-0.70) 0.55 (0.10-1.00)	0.80 (0.21-1.10) 0.80 (0.10-1.00)	1.20 (0.21-1.60) 1.20 (0.10-1.00)	1.30 (0.21-2.00) 1.30 (0.10-1.00)	1.80 (0.44-2.10) 1.80 (0.10-1.00)	2.11 (0.43-2.40) 2.11 (0.10-1.00)	2.29 (0.44-2.70) 2.29 (0.10-1.00)
EEER <sup>1</sup> COP	W/W	4.66 4.52	4.73 4.80	4.22 4.07	3.67 3.74	3.85 3.76	3.32 3.44	3.50 3.62	3.35 3.42
Star Rating		3.5 4.0	4.5 4.5	5.0 5.0	5.5 5.5	5.5 5.5	5.5 5.5	5.5 5.5	5.5 5.5
Sound Pressure Level <sup>2</sup> (dB)		Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)
Sound Power Level (dB)		Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)	Inside (H/L/S-L)
Net Weight	kg	9 (30)	9 (30)	9 (30)	9 (30)	9 (30)	12 (30)	12 (30)	12 (30)
Dimensions	mm	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)	290 x 870 x 214 (679 x 874 x 219)
Refrigerant		Liquid Side	Liquid Side	Liquid Side	Liquid Side	Liquid Side	Liquid Side	Liquid Side	Liquid Side
Pipe Diameter	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)
Pipe Extension Length	mm (inch)	9.53 (3/8)	9.53 (3/8)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
Pipe Length for Additional Gas	m	3-15	3-15	3-15	3-15	3-15	3-15	3-15	3-15
Additional Gas Amount	g/m	20	20	20	20	20	20	20	20
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	°C	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling
	Heating	Heating	Heating	Heating	Heating	Heating	Heating	Heating	Heating

<sup>1</sup> Sound pressure level specification is measured according to JIS C9612.  
<sup>2</sup> Maximum heating capacity shown are the values based on powerful operation.

Rating Conditions	Cooling	Heating
Indoor 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 make circuit for the rated to be installed.
- Please read the Installation Instructions carefully before installing the unit, and read the Operating Instructions before using.

## OUTDOOR



CU-E7PKR  
CU-E9PKR  
CU-E12PKR



CU-E15PKR  
CU-E18PKR  
CU-E21PKR  
CU-E24PKR



CU-E28PKR



## FEATURES EXPLANATION

## Features Explanation and Accessories

COMFORT			
<b>iAUTO-X</b> Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.	<b>POWERFUL MODE</b> 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.	<b>AIRFLOW DIRECTION CONTROL (UP &amp; DOWN)</b>	
<b>ECONAVI</b> Detects and reduces waste for more energy savings.	<b>QUIET MODE</b>	<b>MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL</b>	
<b>TEMPERATURE WAVE</b> Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.	<b>SOFT DRY OPERATION MODE</b> Starts with cooling to dehumidify, then provides a continuous breeze at a low frequency to keep the room dry without much change to the temperature.	<b>MANUAL AIRFLOW DIRECTION CONTROL (LEFT &amp; RIGHT)</b>	
<b>MILD DRY COOLING</b> Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature.	<b>PERSONAL AIRFLOW CREATION</b> Vertical and horizontal airflow patterns can be combined as desired, to achieve optimum comfort, with operation possible by remote even from a distance.	<b>AUTO CHANGEOVER MODE (HEAT PUMP)</b>	
<b>INVERTER CONTROL</b> Varies the rotation speed of the compressor for higher energy savings.	<b>ECONOMY MODE</b> The Economy mode reduces energy consumption by up to 20%* compared to the Normal mode by automatically adjusting the set temperature by up to 2°C. It's ideal when you want to maintain room temperature for gentle cooling and heating. *Panasonic figures at an outside temperature of DB 35°C /WB 24°C and set temperature of 25°C [cooling operation].	<b>HOT START CONTROL</b> 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.	
<b>COOLING OPERATION LIMIT</b> Cooling is possible even when the outside temperature is extremely hot. Highly durable compressor and fan motor helps to maintain room comfort even under the hottest conditions.	<b>FAN MODE</b>	<b>HEATING OPERATION LIMIT</b> 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 comfort during the harsh winter.	
<b>AUTO CHANGEOVER (INVERTER)</b> Change automatically from cooling to heating in function of the temperature of the room.		<b>WIFI (OPTIONAL)</b>	
CLEANER AIR			
<b>nanoe-G</b> nanoe-G works effectively on airborne particles including PM2.5, adhesive and in-filter micro-organisms such as bacteria, viruses and mould ensuring a cleaner living environment.	<b>ODOUR-REMOVING FUNCTION</b> 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.	<b>REMOVABLE, WASHABLE PANEL</b>	
CONVENIENCE			
<b>24-HOUR DUAL ON &amp; OFF REAL SETTING TIMER</b> This feature enables you to preset two different sets of start/stop operation times (hour and minute) within a 24-hour time frame.	<b>3RD PARTY CONNECTIVITY</b>	<b>WIRED REMOTE CONTROL</b>	
<b>DEMAND CONTROL</b>	<b>LCD WIRELESS REMOTE CONTROL</b>		
RELIABILITY			
<b>BLUE FIN CONDENSER</b>	<b>LONG PIPING</b>	<b>SELF-DIAGNOSTIC FUNCTION</b> Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.	
<b>RANDOM AUTO RESTART</b>	<b>TOP-PANEL MAINTENANCE ACCESS</b>		

## OPTIONAL ACCESSORIES

### REMOTE CONTROL

Wired Remote Control



CZ-RD514C

CS-Z7PKR, CS-Z9PKR, CS-Z12PKR, CS-Z15PKR, CS-Z18PKR, CS-Z21PKR, CS-Z24PKR, CS-Z28PKR



The figure shown is the value during cooling / heating operation with low fan speed in the Quiet mode.



## FLOOR CONSOLE FEATURES



### Slim and Elegant

A neat fit even in limited space

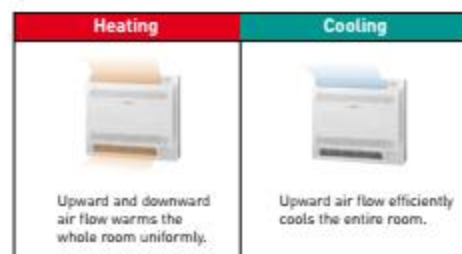
Thanks to the floor console's slim, compact design, you can install it even where space is limited. What's more, although small, the unit is surprisingly powerful and energy-saving.



COMFORTABLE UP-DOWN BI-DIRECTIONAL AIRFLOW WARMS THE ENTIRE ROOM DOWN TO YOUR TOES

### 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)



### 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.



### Compatible with Multi System

You can use up to 4 indoor units with 1 outdoor unit, minimizing the space required for outdoor units.

\*Compatible outdoor units  
• CU-E27PBE  
• CU-E23LBE



### 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.



\*CS-E9GFEW: In the Quiet mode during cooling/heating operation with low fan speed CS-E12GFEW: In the Quiet mode during heating operation with low fan speed

## FLOOR CONSOLE SPECIFICATIONS



CS-E9GFEW | CS-E12GFEW | CS-E18GFEW



### SPECIFICATIONS

Model	(240V)	CS-E9GFEW (CU-E9GFE-1)	CS-E12GFEW (CU-E12GFR)	CS-E18GFEW (CU-E18GFR)
Cooling/Heating Capacity	kW	2.50 (0.80-3.00) 3.40 (0.80-5.00)	3.40 (0.80-3.80) 4.40 (0.80-5.40)	5.00 (0.90-5.40) 5.60 (0.90-6.50)
	Btu/h	8,500 (2,700-10,200) 12,300 (2,700-17,100)	11,600 (2,730-13,000) 15,000 (2,730-18,400)	17,100 (3,070-19,100) 19,100 (3,070-22,200)
Air Flow	L/s	155 160	158 167	183 177
Dehumid	L/h	1.4	2.0	2.8
Running Current	A	2.65 3.90	3.8 4.9	6.5 6.6
Power Input	kW	0.57 (0.18-0.78) 0.87 (0.17-1.36)	0.86 (0.19-1.14) 1.09 (0.18-1.42)	1.55 (0.26-1.91) 1.50 (0.26-1.73)
EER/COP	w/w	4.39 4.16	3.95 4.04	3.23 3.73
Star Rating		3.5 3.0	2.5 2.5	1.5 2.0
Sound Pressure Level*1 dB (A)	Inside (Hi/La/S=Lo)	38/27/23 38/27/23	39/28/24 39/27/23	44/36/32 44/36/32
	Outside (Hi/S=Lo)	46/— 47/—	48/— 50/—	47/— 48/—
Sound Power Level dB (A)	Outside (Hi/S=Lo)	59/— 60/—	63/— 65/—	61/— 62/—
Net Weight	kg	14 (34)	14 (35)	14 (49)
Dimensions	Height x Width x Depth mm	600 x 700 x 210 (540 x 780 x 289)	600 x 700 x 210 (540 x 780 x 289)	600 x 700 x 210 (750 x 875 x 345)
Refrigerant Pipe Diameter	Liquid Side mm/inch	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side mm/inch	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
Pipe Extension Length	Min~Max (m)	3-15	3-15	3-20
Pipe Length for Additional Gas	m	7.5	7.5	10
Additional Gas Amount	g/m	20	20	20
Power Supply		Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling Degree (°C)	16-43	16-43	16-43
	Heating Degree (°C)	-15-24	-15-24	-15-24

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

### OUTDOOR

CU-E9GFE-1  
CU-E12GFR



CU-E18GFR



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

Star Rating (Heating)

Star Rating (Cooling)



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