Panasonic

Clever, made easy

Voted by New Zealanders Winner TRUSTED BRAND 2016 Reader's Digest Heat Pumps

consumer TOP BRAND Panasonic heat pumps

Deluxe High Wall/ Floor Console Air Conditioner

i AUTO-X

INTELLIGENT . DYNAMIC . COOL.

INTELLIGENT ECO SENSORS ECONAVI + INVERTER

BRO-AC-HW17

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.

Contents

INTELLIGENT ECO SENSORS ECONAVI + INVERTER

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 NEW 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

REFRIGERANT R32

WHAT IS R32?

- CH2F2: Single composition
- Work Load 1.6 x → R22
- Lifetime in atmosphere is shorter, 4 – 9 years
- Ozone Depletion Potential (ODP) = 0
- Non toxic

BENEFITS OF R32

- 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.

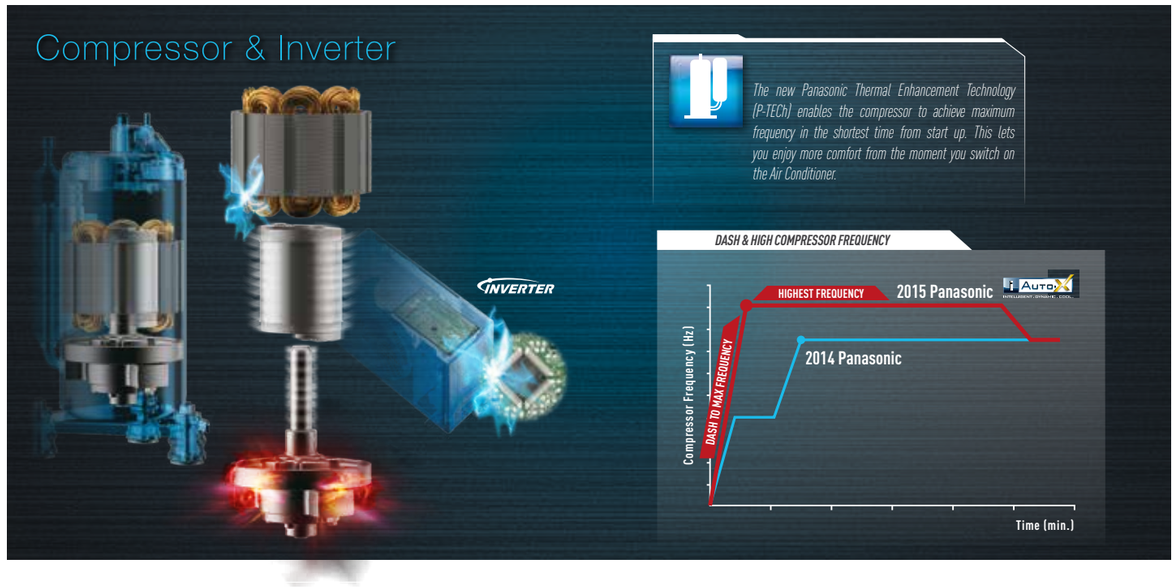
With the use of more environmental friendly refrigerants, developing countries can meet the expected completion of R22 phase-outs by 2050. If these targets continue to be met, scientists predict a recovery of the ozone layer between 2060 and 2075.

REFRIGERANT PROPERTIES OF R22, R32, and R410A

	R-32	R410A	R-22
Composition	Single Component	2 Components	Single Component
Mixing Ratio	CH_2F_2	50%CH_2F_2 / 50%CHF_2CF_3	$CHCLF_2$
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 [FV50S]	Mineral Oil
Toxicity	None	None	None
Flammability	A2L Mildly flammable	A1 Non-flammable	A1 Non-flammable

i AUTO-X INTELLIGENT . DYNAMIC . COOL.

MORE POWER AND MORE SPEED WITH P-TECh.



RKR SERIES FEATURES

i AUTO X | ECONAVI | INVERTER CONTROL | nanoe-G | ODOUR-REMOVING | mode QUIET MODE | R32 REFRIGERANT

FAN MODE | 24 DUAL | DEMAND CONTROL | WiFi (Optional) | (Optional) | POWERFUL MODE | BLUE FIN CONDENSER

ENERGY SAVING

INTELLIGENT ECO SENSORS ECONAVI

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.

i AUTO X
INTELLIGENT . DYNAMIC . COOL .

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

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

INVERTER

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

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.

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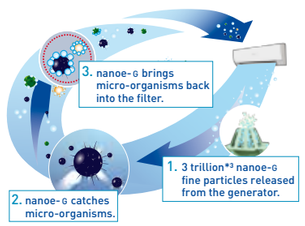


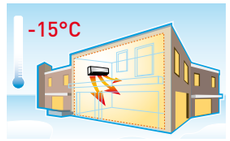
RELIABILITY

WIDE OPERATING TEMPERATURE RANGE

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

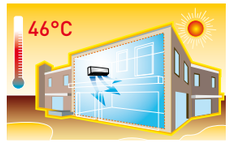
Heating Possible -15°C

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

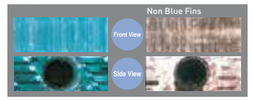
Cooling is possible even when the outside temperature is from *5°C up to *46°C. The highly durable compressors and fan motors found inside Panasonic Air Conditioners help to maintain room comfort even under the hottest conditions.



BLUE FIN CONDENSER

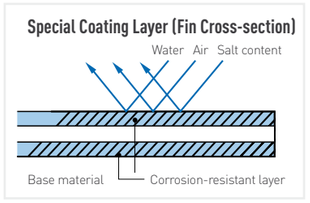
An Air Conditioner's performance depends largely on its condenser, which can take a beating from exposure to salty air, wind, dust and other corrosive factors. Panasonic has found a way to expand the life of our condensers, using a layer of our original anti-rust coating.This special coating lets you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

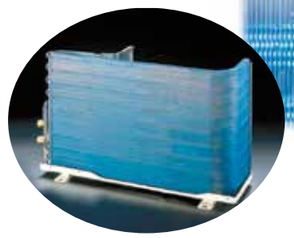
■ Cyclic Corrosion Test Results



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.

DUAL TIMER 24 DUAL

DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

For convenience, the dual timer repeats everyday until you cancel it.

Select ON or OFF Timer

1 ON → ⏱1 → ⏱2 → Cancel

OFF → ⏱1 → ⏱2 → Cancel

Set the time. 2

Confirm. TIMER 3 SET

Wireless
Applicable to ECONAVI
Reverse Cycle Inverter

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).

RKR SERIES SPECIFICATIONS

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

Wireless

WiFi (Optional)

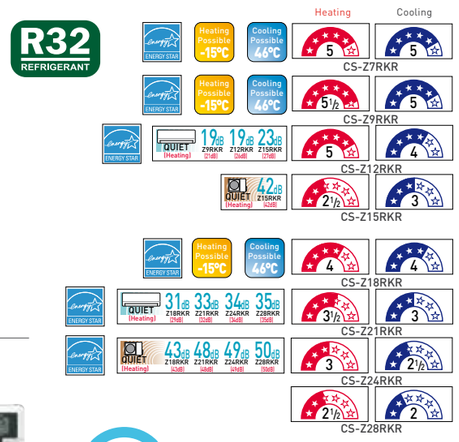
CZ-RD514C
Wired Remote
Controller (Optional)

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

Wireless

CZ-RD514C
Wired Remote
Controller (Optional)

WiFi (Optional)



SPECIFICATIONS

Cooling [ ]: Outdoor Unit EER: Cooling Efficiency
Heating [ ]: Outdoor Unit COP: Heating Efficiency

MODEL	(50Hz)	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*2 Capacity	kW	2.05 [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]	6.00 [1.70-7.10] 7.20 [1.70-8.50]	7.00 [1.70-8.10] 8.00 [1.70-9.90]	8.00 [2.30-8.60] 9.00 [2.20-11.00]
	Btu/h	6990 [2900-8180] 9210 [2390-14000]	8530 [3070-10200] 10900 [2730-17100]	11900 [3070-13600] 12600 [2730-19800]	14300 [3070-20500] 18800 [3070-24200]	17100 [3070-20500] 20500 [3070-27300]	20500 [5800-24200] 24600 [5800-29000]	23900 [5800-27600] 27300 [5800-33800]	27300 [7840-29300] 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
Electrical Data — Running Current	A	1.90 2.50	2.25 2.80	3.5 3.3	4.6 6.3	5.0 6.1	7.3 8.1	9.1 9.4	10.6 10.6
Electrical Data — Power Input	kW	0.41 [0.20-0.57] 0.55 [0.16-1.03]	0.50 [0.21-0.75] 0.62 [0.175-1.30]	0.80 [0.21-1.06] 0.76 [0.175-1.56]	1.07 [0.215-1.60] 1.47 [0.245-2.25]	1.16 [0.23-2.05] 1.39 [0.26-2.65]	1.58 [0.44-2.20] 1.78 [0.40-2.17]	1.97 [0.43-2.48] 2.11 [0.38-3.00]	2.32 [0.46-2.70] 2.41 [0.50-2.99]
EER/COP	W / W	5.00 4.91	5.00 5.16	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*1 — Inside (Hi/Lo/S-Lo)	dB (A)	37/24/19 38/25/21	42/25/19 41/27/21	43/26/19 46/29/26	47/30/23 45/31/27	47/34/31 44/33/29	47/36/33 47/35/32	49/37/34 49/37/34	51/38/35 50/38/35
Noise — Sound Pressure Level*1 — Outside (Hi/S-Lo)	dB (A)	45/- 46/-	47/- 47/-	49/- 50/-	47/42 47/42	48/43 48/43	53/48 53/48	54/49 54/49	55/50 55/50
Noise — Sound Power Level — Outside (Hi/S-Lo)	dB	60/- 61/-	62/- 62/-	64/- 65/-	62/57 62/57	62/57 62/57	67/62 67/62	68/63 68/63	73/68 73/68
Net Weight — Indoor (Outdoor)	kg	9 [33]	9 [33]	9 [33]	9 [46]	12 [49]	12 [53]	12 [53]	12 [70]
Dimensions — Indoor (H x W x D)	mm	296x870x236	296x870x236	296x870x236	296x870x236	296x1070x241	296x1070x241	296x1070x241	296x1070x241
Dimensions — Outdoor (H x W x D)	mm	542x780x289	542x780x289	542x780x289	695x875x320	695x875x320	695x875x320	695x875x320	999x940x340
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)
Refrigerant Pipe Diameter — 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)	5-46	5-46	5-46	5-46	5-46	5-46	5-46	5-46
Operating Range (Outdoor) — Heating	Degree (°C)	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24

*1 Sound pressure level specification is measured according to JIS C9612.

*2 Maximum heating capacity shown are the values based on powerful operation.

Rating Conditions

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

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

OUTDOOR

Blue Fin Condenser

R32 REFRIGERANT

CU-Z7RKR
CU-Z9RKR
CU-Z12RKR

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

CU-Z28RKR

THE SMART WAY TO CONTROL YOUR AIR CONDITIONER

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

ECONAVI | INVERTER CONTROL | nanoe-G | ODOUR-REMOVING | mode QUIET MODE | POWERFUL MODE

FAN MODE | 24 DUAL | DEMAND CONTROL | WiFi (Optional) | (Optional) | BACKLIGHT (Optional) | BLUE FIN CONDENSER

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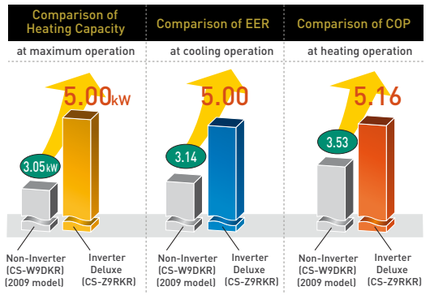

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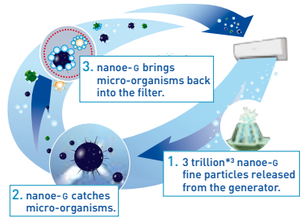

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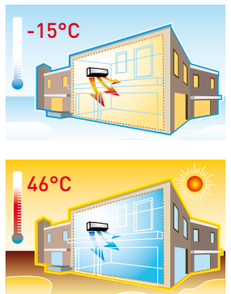
Cooling Possible 46°C

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.

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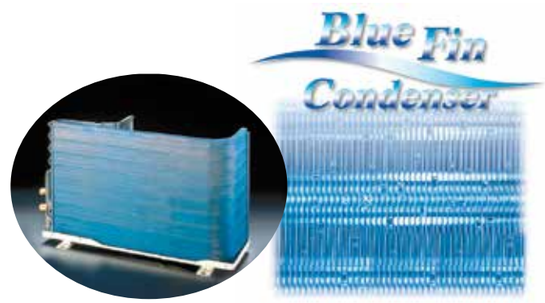
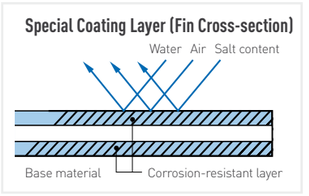
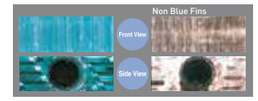




■ Cyclic Corrosion Test Results



Test Proven Longer Durability

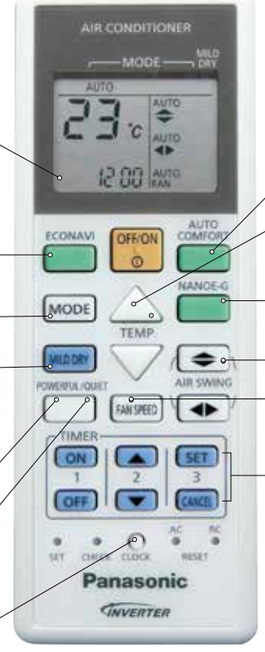
Panasonic's condenser has special coating assures longer condenser life for years of reliable comfort.
Note: According to Panasonic test results.

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 operationfor 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

Wireless Backlight (optional)
Applicable to Deluxe E Series

LCD display comes with backlight

Buttons glow in the dark

OPTIONAL ACCESSORIES

■ Remote Control

Wireless Backlight Remote Controller

CZ-RR8

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

Wired Remote Controller

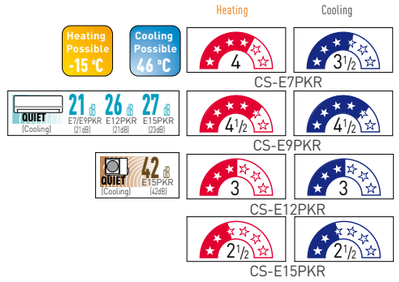
CZ-RD514C

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

PKR SERIES SPECIFICATIONS

Wireless Large Remote Controller

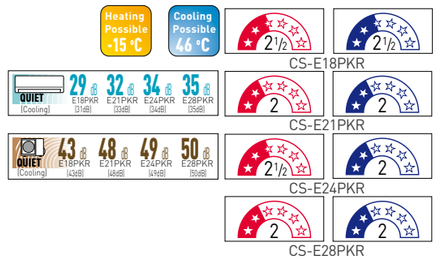
WiFi (Optional)



CS-E7PKR | CS-E9PKR | CS-E12PKR | CS-E15PKR

Wireless Large Remote Controller

WiFi (Optional)



CS-E18PKR | CS-E21PKR | CS-E24PKR | CS-E28PKR

SPECIFICATIONS

Cooling ( ): Outdoor Unit
Heating ( ): Outdoor Unit

EER : Cooling Efficiency
COP: Heating Efficiency

Model (240V)			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*2 Capacity		kW	2.05 (0.85–2.40) 2.80 (0.70–4.10)	2.60 (0.90–3.00) 3.60 (0.80–5.00)	3.50 (0.90–4.00) 4.90 (0.80–6.70)	4.40 (0.90–5.00) 5.50 (0.90–7.10)	5.00 (0.90–6.00) 6.35 (0.90–8.00)	6.30 (1.70–7.10) 7.20 (1.70–8.50)	7.00 (1.70–8.10) 8.00 (1.70–9.90)	8.00 (2.30–8.60) 9.00 (2.20–11.00)
		Btu/h	6,990 (2,900–8,180) 9,550 (2,390–14,000)	8,870 (3,070–10,200) 12,300 (2,730–17,100)	11,900 (3,070–13,600) 16,700 (2,730–22,800)	15,000 (3,070–17,100) 18,800 (3,070–24,200)	17,100 (3,070–20,500) 21,700 (3,070–27,300)	21,500 (5,800–24,200) 24,600 (5,800–28,000)	23,900 (5,800–27,600) 27,300 (5,800–33,800)	27,300 (7,840–29,300) 30,700 (7,500–37,500)
Air Flow		L/s	175 188	200 215	213 222	247 243	283 295	288 277	340 347	359 357
Dehumid		L/h	1.3	1.6	2.0	2.4	2.8	3.5	4.0	4.7
Running Current		A	2.2 2.8	2.5 3.4	3.7 5.5	5.4 6.5	5.8 7.5	8.4 8.5	9.5 9.7	10.9 11.9
Power Input		kW	0.46 (0.20–0.59) 0.62 (0.16–1.05)	0.55 (0.21–0.78) 0.75 (0.18–1.36)	0.83 (0.21–1.10) 1.22 (0.18–1.89)	1.20 (0.22–1.60) 1.47 (0.25–2.25)	1.30 (0.23–2.05) 1.69 (0.26–2.65)	1.80 (0.44–2.20) 1.98 (0.40–2.50)	2.11 (0.43–2.48) 2.21 (0.38–3.00)	2.39 (0.46–2.70) 2.63 (0.50–3.30)
EER/COP		W/W	4.46 4.52	4.73 4.80	4.22 4.02	3.67 3.74	3.85 3.76	3.50 3.64	3.32 3.62	3.35 3.42
Star Rating			3.5 4.0	4.5 4.5	3.0 3.0	2.5 2.5	2.5 2.5	2.0 2.0	2.0 2.5	2.0 2.0
Sound Pressure Level*1 dB (A)		Inside (Hi/Lo/S-Lo)	37/24/21 38/25/21	42/25/21 41/27/21	43/26/21 44/29/26	47/30/23 45/31/27	47/34/31 44/33/29	47/36/33 47/35/32	49/37/34 49/37/34	51/38/35 50/38/35
		Outside (Hi/S-Lo)	45/-- 46/--	47/-- 47/--	49/-- 50/--	47/42 47/42	48/43 48/43	53/48 53/48	54/49 54/49	55/50 55/50
Sound Power Level dB (A)		Outside (Hi/S-Lo)	60/-- 61/--	62/-- 62/--	64/-- 65/--	62/57 62/57	62/57 62/57	67/62 67/62	68/63 68/63	73/68 73/68
Net Weight	Indoor (Outdoor)	kg	9 (32)	9 (33)	9 (33)	9 (51)	12 (52)	12 (59)	12 (60)	12 (74)
Dimensions	Indoor (H x W x D) Outdoor (H x W x D)	mm	290 x 870 x 214 (619 x 824 x 299)	290 x 870 x 214 (619 x 824 x 299)	290 x 870 x 214 (619 x 824 x 299)	290 x 870 x 214 (795 x 875 x 320)	290 x 1070 x 240 (795 x 875 x 320)	290 x 1070 x 240 (795 x 875 x 320)	290 x 1070 x 240 (795 x 875 x 320)	290 x 1070 x 240 (1170 x 900 x 320)
Refrigerant Pipe Diameter	Liquid Side	mm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm/(inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
Pipe Extension Length		Min–Max (m)	3–15	3–15	3–15	3–20	3–20	3–20	3–30	3–30
Pipe Length for Additional Gas		m	7.5	7.5	7.5	7.5	10	10	10	10
Additional Gas Amount		g/m	20	20	20	20	20	20	30	30
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling	Degree (°C)	5–46	5–46	5–46	5–46	5–46	5–46	5–46	5–46
	Heating	Degree (°C)	-15–24	-15–24	-15–24	-15–24	-15–24	-15–24	-15–24	-15–24

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

Rating Conditions

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

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

OUTDOOR

Blue Fin Condenser

CU-E7PKR
CU-E9PKR
CU-E12PKR

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

CU-E28PKR

FEATURES EXPLANATION

COMFORT

iAUTO-X
Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.

ECONAVI
Detects and reduces waste for more energy savings.

TEMPERATURE WAVE
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.

MILD DRY COOLING
Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature.

INVERTER CONTROL
Varies the rotation speed of the compressor for higher energy savings.

COOLING OPERATION LIMIT
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.

AUTO CHANGEOVER (INVERTER)
Change automatically from cooling to heating in function of the temperature of the room.

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.

QUIET MODE

SOFT DRY OPERATION MODE
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.

PERSONAL AIRFLOW CREATION
Vertical and horizontal airflow patterns can be combined as desired, to achieve optimum comfort, with operation possible by remote even from a distance.

ECONOMY MODE
The Economy mode reduces energy consumption by up to 20%* compared to the Normal mode by automatically adjusting the set temperature by up to 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).

FAN MODE

AIRFLOW DIRECTION CONTROL (UP & DOWN)

MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL

MANUAL AIRFLOW DIRECTION CONTROL (LEFT & RIGHT)

AUTO CHANGEOVER MODE (HEAT PUMP)

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

HEATING OPERATION LIMIT
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.

WIFI (OPTIONAL)

CLEANER AIR

nanoe-G
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.

ODOUR-REMOVING FUNCTION
With this function, there's no unpleasant odour when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the Air Conditioner is suppressed.

The unit must be in cool or dry mode and the fan speed must be set to automatic.

REMOVABLE, WASHABLE PANEL

CONVENIENCE

24-HOUR DUAL ON & OFF REAL SETTING TIMER
This feature enables you to preset two different sets of start/stop operation timers (hour and minute) within a 24-hour time frame.

DEMAND CONTROL

3RD PARTY CONNECTIVITY

LCD WIRELESS REMOTE CONTROL

WIRED REMOTE CONTROL

RELIABILITY

BLUE FIN CONDENSER

RANDOM AUTO RESTART
(Random)

LONG PIPING

TOP-PANEL MAINTENANCE ACCESS

SELF-DIAGNOSTIC FUNCTION
Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.

OPTIONAL ACCESSORIES

■ REMOTE CONTROL

Wired Remote Control

CZ-RD514C

CS-Z7RKR, CS-Z9RKR, CS-Z12RKR, CS-Z15RKR,CS-Z18RKR,CS-Z21RKR, CS-Z24RKR, CS-Z28RKR

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

FLOOR CONSOLE FEATURES

Heating Possible -15°C

Cooling Possible 43°C

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

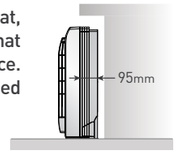
Upper & Lower Vane Blow

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

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

Compact Design

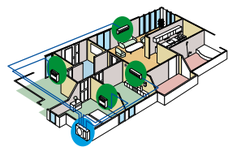
The design features a flat, elegant front panel that provides a neat appearance. And the unit can be recessed into a wall up to 95 mm.



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-4E27PBE
- CU-4E23LBE



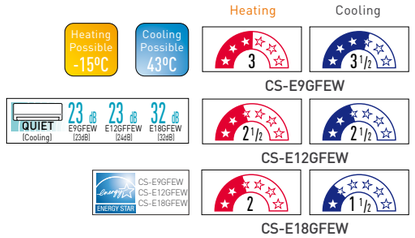
Super Quiet

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.

*2CS-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

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

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) 3.60 (0.80~5.00)	3.40 (0.80~3.80) 4.40 (0.80~5.40)	5.00 (0.90~5.60) 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	183 217
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/Lo/S-Lo)		38/27/23 38/27/23	39/28/24 39/27/23	44/36/32 46/36/32
	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)

Clever, made easy | Panasonic

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