

# PANASONIC AIR CONDITIONING

REVERSE CYCLE INVERTER



**INVERTER**

**Panasonic**

14/08/2015

# FOR FUTURE GENERATIONS

Panasonic aims to become the No.1 green innovation company in the electronics industry



# ENERGY EFFICIENT + CLEANER HEALTHIER AIR

Panasonic air conditioners are designed to do more than just cool and heat your home. They save energy, they purify your surroundings and they adjust the temperature to suit your living space and lifestyle. Living an eco life your way is now easier than ever.



# RELIABLE COMFORT COMES FROM RELIABLE TECHNOLOGY

Through years of research, testing and product manufacture, Panasonic has the know-how to deliver air-conditioners you can rely on over many years and under a wide range of conditions.



# CLASS LEADING FEATURES





## ENERGY SAVING TECHNOLOGY

Panasonic combine Inverter technology and Economy Mode to create a powerhouse energy-saving product. These clever technologies benefit both the environment and your power bill, so your green intentions don't have to prevent you from living a comfortable life.



## CLEANER, HEALTHIER AIR

As well as a cool, comfortable home, a Panasonic air conditioner provides the ultimate peace of mind with our Anti Bacterial Filter to eliminate unwanted contaminants and make the air healthier for you and your family.

ALLERGENS		99% <sup>*1</sup> DEACTIVATION
BACTERIA		99% <sup>*2</sup> DEACTIVATION
VIRUSES		99% <sup>*3</sup> DEACTIVATION
MOULD		GROWTH INHIBITION <sup>*4</sup>

## QUIET OPERATION

Panasonic systems are amongst the quietest in the world, so you can enjoy the comfort of running your air conditioner at night and still have a relaxing sleep. The outdoor unit is also very quiet which means you don't have to worry about keeping your neighbours up either.



\*1 Allergen deactivation was certified by Shinshu University. Allergen: Cider Pollen Allergen Cry j1 \*2 Bacteria deactivation was certified by Boken Quality Evaluation Institute. Test Report No: 10042459-1 and 10042459-2 Bacteria: Staphylococcus aureus NBRC 12732; Escherichia coli NBRC 3972 \*3 Virus deactivation was certified by Osaka Prefectural Institute of Public Health. Test Report No: 313360397 Virus: Influenza (H3N2) A/Hong Kong \*4 Certified by Boken Quality Evaluation Institute. Test Report No: 000366-3 Mould: Aspergillus niger ATCC 6275



# THE SECRET TO ITS ABILITY IS FLEXIBILITY



# QUICK COOLING CONSTANT COMFORT



**1 QUICK COOLING**  
Cools room faster at start up.

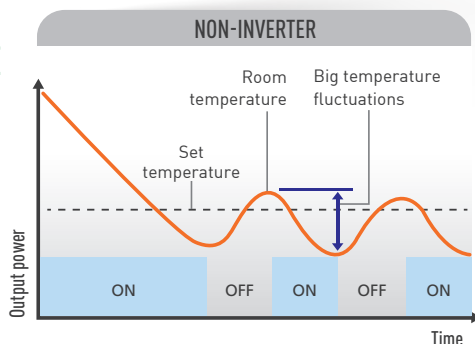
**2 CONSTANT COMFORT**  
Easily maintains set temperature to keep you comfortable.



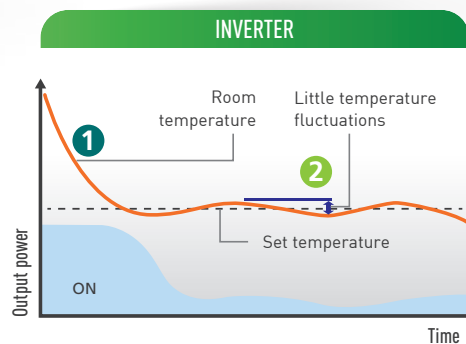
## REDUCE ENERGY WASTAGE

Panasonic air conditioners feature Inverter technology, an innovation that allows the unit to vary the rate of the compressor and achieve a precise room temperature without wasting such huge amounts of energy. In fact, Panasonic Inverter works so well that it cools 1.5 times faster than a non-Inverter model and enables up to 50% energy savings during cooling operation and 64% during heating\*.

### PERFORMANCE COMPARISON



NOTE: Energy is wasted by switching the compressor ON and OFF to maintain the set temperature.



NOTE: Saves energy by varying the rotation speed of the compressor to maintain the set temperature.

Legend:  
■ Output power  
— Temperature



# WALL MOUNTED - REVERSE CYCLE INVERTER



CS-RE9NKR | CS-RE12NKR



Wireless Controller



CS-RE18PKR | CS-RE24PKR | CS-RE28PKR



Wireless Controller



CZ-RD514C  
Wired Remote Controller (Optional)

## SPECIFICATIONS

Cooling  
Heating

Model		(50Hz)	CS-RE9NKR (CU-RE9NKR)	CS-RE12NKR (CU-RE12NKR)	CS-RE18PKR (CU-RE18PKR)	CS-RE24PKR (CU-RE24PKR)	CS-RE28PKR (CU-RE28PKR)	
Cooling Capacity	kW		2.50 (0.90~3.00)	3.50 (0.90~3.90)	5.00 (0.90~5.80)	7.00 (1.70~7.70)	8.00 (2.30~8.40)	
	Btu/h		8,530 (3,070~10,230)	11,940 (3,070~13,300)	17,100 (3,070~19,800)	23,900 (5,800~26,300)	27,300 (7,840~28,600)	
EER	w / w		3.84	3.72	3.85	3.32	3.35	
Heating Capacity	kW		3.30 (0.90~4.10)	4.25 (0.90~5.10)	6.35 (0.90~6.40)	8.00 (1.70~8.56)	9.00 (2.20~10.21)	
	Btu/h		11,250 (3,070~13,980)	14,490 (3,070~17,390)	21,700 (3,070~21,800)	27,300 (5,800~29,200)	30,700 (7,500~34,800)	
COP	w / w		4.07	3.86	3.76	3.62	3.42	
Star Rating			3.0/3.5	2.5/3.0	2.5/2.5	2.0/2.5	2.0/2.0	
Electrical Data	Voltage	V	240	240	240	240	240	
	Running Current	A	3.10/3.75	4.10/4.90	5.80/7.50	9.50/9.70	10.90/11.90	
	Power Input	kW	0.65 (0.19~1.00) 0.81 (0.17~1.15)	0.94 (0.17~1.20) 1.10 (0.15~1.46)	1.30 (0.23~2.05) 1.69 (0.26~1.71)	2.11 (0.43~2.48) 2.21 (0.38~2.37)	2.39 (0.46~2.70) 2.63 (0.50~2.99)	
Noise	Sound Pressure Level*3	Indoor (Hi/Lo/S-Lo)	dB(A)	42/27/22 42/27/25	42/30/22 42/33/25	47/34/31 44/33/29	50/38/35 50/38/35	51/38/35 50/38/35
		Outdoor (Hi/S-Lo)	dB(A)	47/— 48/—	48/— 50/—	48/43 48/43	54/49 54/49	55/50 55/50
	Sound Power Level	Outdoor (Hi/S-Lo)	dB	58/— 64/—	64/— 66/—	62/57 62/57	68/63 68/63	73/68 73/68
Dehumid	L/h		1.4	2.0	2.8	4.0	4.7	
Air Flow	L/s		207/212	212/207	283/295	340/347	359/357	
Dimensions	Indoor H x W x D	mm	290 x 848 x 213	290 x 848 x 213	290 x 1070 x 240	290 x 1070 x 240	290 x 1070 x 240	
	Outdoor H x W x D	mm	540 x 780 x 289	540 x 780 x 289	795 x 875 x 320	795 x 875 x 320	1170 x 900 x 320	
Net Weight	Indoor (Outdoor)	kg	8 (25)	8 (27)	12 (52)	12 (60)	12 (74)	
Refrigerant Pipe Diameter	Liquid Side/Gas Side mm/(inch)		6.35/9.52 (1/4 / 3/8)	6.35/9.52 (1/4 / 3/8)	6.35/12.70 (1/4 / 1/2)	6.35/15.88 (1/4 / 5/8)	6.35/15.88 (1/4 / 5/8)	
Pipe Extension Length	Min.~Max.	m	3~15	3~15	3~20	3~30	3~30	
Pipe Length for Additional Gas	m		7	7	10	10	10	
Additional Refrigerant Gas	g/m		20	20	20	30	30	
Power Supply			Indoor	Indoor	Outdoor	Outdoor	Outdoor	
Operating Temperature Range (Outdoor)	Degree °C		16~46/-5~24	16~46/-5~24	5~46/-15~24	5~46/-15~24	5~46/-15~24	

\*3 Sound pressure level specification is measured according to JIS C9612.

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 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-RE9NKR  
CU-RE12NKR



CU-RE18PKR  
CU-RE24PKR



CU-RE28PKR







**Panasonic Australia Pty Limited**

1 Innovation Road, Macquarie Park, NSW 2113  
ABN 83 001 592 187

[www.panasonic.com.au](http://www.panasonic.com.au)

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