Panasonic

AIR CONDITIONING ECONAVI REVERSE-CYCLE INVERTER









PANASONIC AIR CONDITIONING

FOR FUTURE GENERATIONS

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



THE BEST GLOBAL GREEN BRANDS

Interbrand has announced its 2014 ranking of Best Global Green Brands, ranking Panasonic at number five, fulfilling our eco pledge, "For future generations, Panasonic aims to become the No.1 Green Innovation Company in the Electronics Industry."

At Panasonic, our eco pledge is more than just a tagline; it's a harmonious way of life that we take very seriously. Panasonic was founded based on the philosophy of contributing to progress in society and to enrich people's lives through business activities. By offering products that help

2014 Brand Ranking Top 10

- 1 FORD
- 2 TOYOTA
- 3 HONDA
- 4 NISSAN

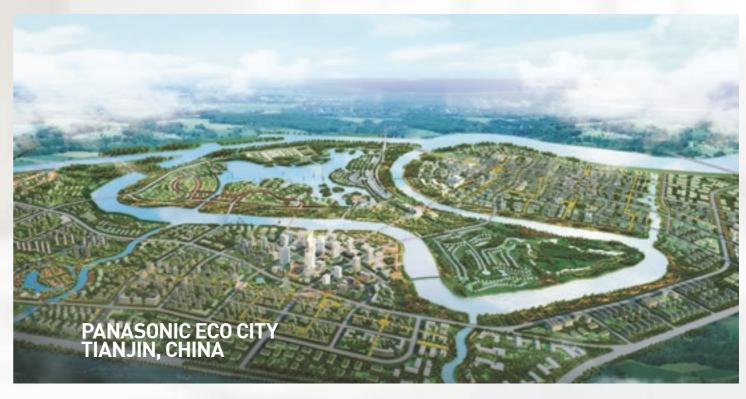
5 Panasonic

- 6 NOKIA
- 7 SONY
- 8 ADIDAS
- 9 DANONE
- 10 DELL

people lead better, greener lives, we are making good on our strong commitment to continuous environmental sustainability management.

Interbrand's Best Global Green Brands 2014 report is a look at sustainability with performance data powered by Deloitte and consumer perception data. Interbrand evaluates organisations based on market perception, actual environmental performance, and products and services.

*Source: Best Global Green Brands 2014, Interbrand. Go to www.bestglobalgreenbrands.com for more information.



PANASONIC AIR CONDITIONING

PANASONIC AIR CONDITIONING

CLASS LEADING FEATURES

Control, comfort & reassurance



FASTER COOLING

The new Panasonic Thermal Enhancement Technology (P-TECh) enables the compressor to achieve maximum frequency in the shortest time from start up, allowing for 15%* faster cooling.

* Compared to Panasonic 2014 mode



SUPERIOR AIRFLOW CONTROL

Panasonic's new AEROWINGS feature incorporates two independent blades that concentrate airflow to cool you down in the shortest time possible. This also helps distribute cool air evenly throughout the room.



ENERGY SAVING TECHNOLOGY

ECONAVI sensors and INVERTER technology work together to moderate the temperature according to room usage. By adapting to the way you live and optimising operation, this unique feature makes the air conditioning in your home more energy efficient and keeps you comfortable throughout the day and night.

CLEANER, HEALTHIER AIR

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



LATEST REFRIGERANT

One of Panasonic's principles has always been to sustain the environment around us. Therefore, we have made it a goal to move away from the use of R410A to the more ozone friendly refrigerant R32. It is especially suitable for use in air conditioning and results in better energy efficiency when used in air conditioning systems.



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.



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RELIABLE COMFORT COMES FROM RELIABLE TECHNOLOGY

DISCREET COMFORT

A Panasonic air conditioner should be the hard-working hero you never notice. From noise measurements, to environmental performance and even operating ease, we repeatedly test our models to make sure they keep your home comfortable without ever intruding on your life.



TESTED DURABILITY

We simulate continuous operation under the harshest of conditions, subject the outdoor units to wind and rain tests and then examine every mechanism to ensure we are delivering a rugged product you can depend on for many years.



SHOCK RESISTANCE

We love our air conditioners but that doesn't mean we go easy on them. We simulate impacts, vibrations, drops and stacking issues the units might face in transportation and storage, so we know they will be ready for action when they reach your home.

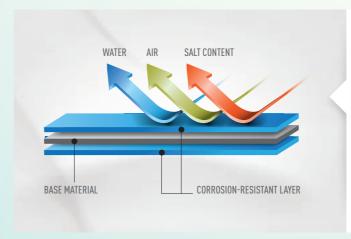






AUSSIE TEMPERATURES

Our air conditioning systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching +46°C outside, which is perfect for Australia's hot summer days. The heating operation is designed to operate even when it's a freezing -15°C outside, so even the coldest parts of Australia are covered.



BUILT TOUGH

Panasonic outdoor units are built to last in the harsh Australian environment. To ensure you will enjoy many years of reliable comfort from your air conditioner the internal components of the outdoor unit are coated with a special blue coating that protects the unit from the damaging effects of salty air, dust, wind and rain.



COUNT ON PANASONIC

Panasonic air conditioners are manufactured to the highest quality standards to ensure years of reliable comfort. We even back our reliability by offering a full 5 year parts and labour warranty.

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SHOWER COOLING FOR LASTING COMFORT

After reaching the set temperature, the twin blades direct airflow upwards, cool air then showers down naturally and spreads over a wider area of the room. This ensures cool air is evenly distributed throughout the room and you can stay comfortable without being targeted by continuous direct cooling.

AEROWINGS

New AEROWINGS features two independent blades that give you more control over the direction of the airflow.



WITHOUT AEROWINGS

With direct airflow, the target never changes, so you can easily begin to feel too cold as you are subjected to the continuous icy blast.



WITH AEROWINGS

After reaching a set temperature, the AEROWINGS twin blades direct air towards the ceiling to create the Shower Cooling effect. Then, the Human Activity Sensor detects the level of activity and adjusts the temperature to keep you comfortable.

THE PERFECT MATCH FOR HOME LIVING

ECONAVI and INVERTER create a perfect match of energy saving features that keep the air conditioning in your home more efficient and comfortable throughout the day and night.



ECONAVI INTELLIGENT ECO SENSORS

ECONAVI Intelligent Sensors moderate the temperature according to room usage, reducing energy waste using the Human Activity Sensor and Sunlight Sensor. It's able to monitor human location, movements, absence

and sunlight intensity and then automatically adjust cooling and heating power to save energy, while still offering uninterrupted comfort and convenience.









Adjusts cooling and heating power to changes in sunlight



Rhythmic temperaturecontrolled nattern to save energy without sacrificing



Directs airflow to wherever you are in the room.



SAVES YOU ENERGY FOR PEACE OF MIND

Your Panasonic INVERTER air conditioner simply knows when to keep power usage at a minimum. So you can rest and relax comfortably at home, knowing that you can save energy.

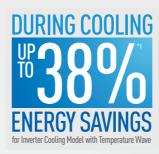


INVERTER TECHNOLOGY

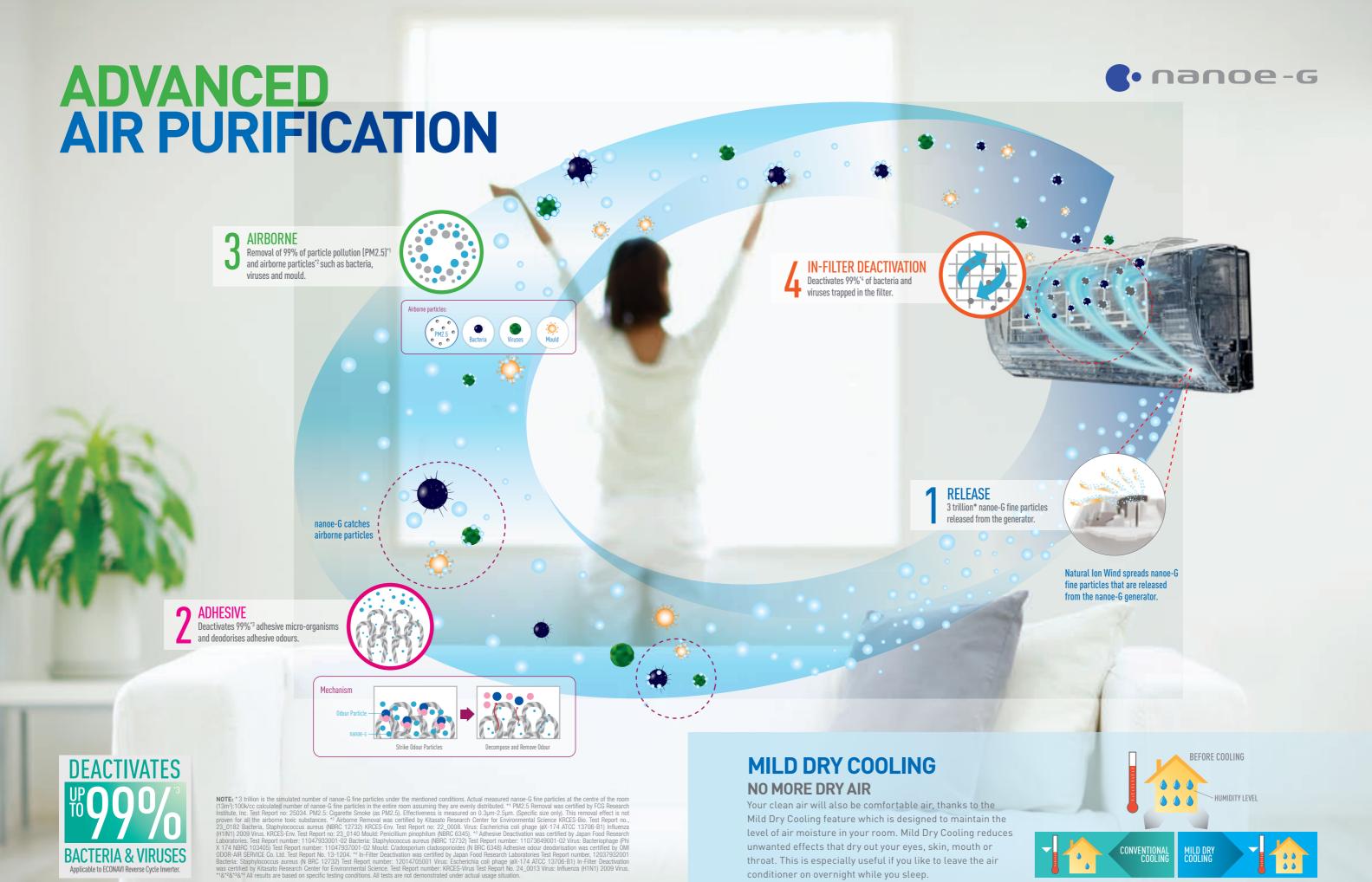
SO MUCH SAVED WITH SO LITTLE EFFORT

Conventional air conditioners operate at one constant speed and need to constantly turn on and off, wasting energy trying to maintain a set temperature. Panasonic Inverter air conditioners have the flexibility to vary the

rotation speed of the compressor, allowing them to use less energy to maintain the set temperature while also being able to cool and heat the room guicker at start up







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WHILE MAINTAINING HIGH HUMIDITY 🍑 🍑 🌢

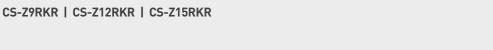
WALL MOUNTED ECONAVI REVERSE CYCLE

















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

SPECIFICATIONS

Cooling (): Outdoor Unit EER: Cooling Efficiency

Model	24	0V / 1 Phase / 50Hz	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*3 (CU- Z28RKR)
Cooling/Heating*2 Capacity Btu/h		2.50 (0.90~3.00) 3.20 (0.80~4.55)	3.50 (0.90~4.00) 3.70 (0.80~5.10)	4.20 (0.90~5.00) 5.50 (0.90~5.60)	5.00 (0.90~6.00) 6.00 (0.90~6.40)	6.00 (1.70~7.10) 7.20 (1.70~7.70)	7.00 (1.70~8.10) 8.00 (1.70~8.56)	8.00 (2.30~8.60) 9.00 (2.20~11.00)	
		8,530 (3,070~10,200) 10,900 (2,730~15,500)	11,900 (3,070~13,600) 12,600 (2,730~17,400)	14,300 (3,070~20,500) 18,800 (3,070~19,100)	17,100 (3,070~20,500) 20,500 (3,070~21,800)	20,500 (5,800~24,200) 24,600 (5,800~26,300)	23,900 (5,800~27,600) 27,300 (5,800~29,200)	27,300 (7,840~29,300) 30,700 (7,500~37,500)	
Air Flow		L/s	203 215	220 227	248 245	295 302	285 265	312 317	328 327
Dehumid	Dehumid L/h		1.5	2.0	2.4	2.8	3.3	4.0	4.7
Running Cur	rent	А	2.3 2.8	3.5 3.3	4.6 6.3	5.0 6.1	7.3 8.1	9.1 9.4	10.6 10.6
Power Input kW / kW		0.50 (0.21~0.75) 0.62 (0.175~1.14)	0.80 (0.21~1.06) 0.76 (0.175~1.24)	1.07 (0.215~1.60) 1.47 (0.245~1.53)	1.16 (0.23~2.05) 1.39 (0.26~1.71)	1.58 (0.44~2.20) 1.78 (0.40~2.17)	1.97 (0.43~2.48) 2.11 (0.38~2.37)	2.32 (0.46~2.70) 2.41 (0.50~2.99)	
AEER / EER ACOP / COP		4.87 / 5.00 5.05 / 5.16	4.30 / 4.38 4.78 / 4.87	3.88 / 3.93 3.71 / 3.74	4.26 / 4.31 4.27 / 4.32	3.77 / 3.80 4.01 / 4.04	3.53 / 3.55 3.77 / 3.79	3.45 3.73	
Star Rating		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	
	Pressure	Inside (Hi/Lo/S-Lo)	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
es Level*	evel*1 dB (A)	Outside (Hi/S-Lo)	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 Level d		Outside (Hi/S-Lo)	62/— 62/—	64/— 65/—	62/57 62/57	62/57 62/57	67/62 67/62	68/63 68/63	71/66 71/66
Net Weight (Outdoor) kg		kg	9 (33)	9 (33)	9 (46)	12 (49)	12 (53)	12 (53)	12 (70)
Dimensions	Indo Outo	oor mm (H x W x D)	296 x 870 x 236 (542 x 780 x 289)	296 x 870 x 236 (542 x 780 x 289)	296 x 870 x 236 (695 x 875 x 320)	296 x 1070 x 241 (695 x 875 x 320)	296 x 1070 x 241 (695 x 875 x 320)	296 x 1070 x 241 (695 x 875 x 320)	296 x 1070 x 241 (999 x 940 x 340)
Refrigerant		id 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)
Pipe Diamete	er Gas	Side mm/(inch)	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	3~30	3~30	3~30	3~30	3~30	
Pipe Length for Additional Gas m		7.5	7.5	7.5	10	10	10	10	
Additional Gas Amount g/m		20	20	20	20	20	25	25	
Power Supply		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Operating Ra		0 0 1 /	5~46	5~46	5~46	5~46	5~46	5~46	5~46
(Outdoor)	Heat	ting Degree (°C)	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Refrigerant 1	ype		R32	R32	R32	R32	R32	R32	R32

^{*1} Sound pressure level specification is measured according to JIS C9612. *2 Maximum heating capacity shown are the values based on powerful operation. *2 Available from November 2015.

SPECIFICATIONS & FEATURES	ALL CAPACITY AND ENERGY EFFICIENCY RATINGS ARE BASED ON AS/NZS3823.1.1			
Products in this brochure contain R32 refrigerant. Please refer to Panasonic's installation instructions and service manuals before installation and servicing	The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in	COOLING	Indoor temperature Outdoor temperature	27°C DB/19°C WB 35°C DB
this product. Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so.	refrigerant products. Suitable access for warranty and service is required.	HEATING	Indoor temperature Outdoor temperature	20°C DB 7°C DB / 6°C WB
service and repair of refrigerant products should be permitted to do so.	Future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.	Running curre start-up or var	nt is at rated conditions (AS3823) riations in power supply and load o	and does not include compressor conditions.

FAN MODE

ECONAVI

Sensors detect opportunities to reduce waste for more energy savings.



TEMPERATURE WAVE



INVERTER CONTROL

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



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COOLING POSSIBLE

HEATING POSSIBLE

iAUTO-X

MILD DRY COOLING

Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air.

Fine control helps prevent a rapid decrease in room humidity while maintaning the set temperature.

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.

Enjoy the comfort of running your air conditioner at

night and still have a relaxing sleep.

MILD 心容

I AutoX

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heating, thus giving just ventilation. SOFT DRY OPERATION MODE

PERSONAL AIRFLOW CREATION

AUTO CHANGEOVER (INVERTER)

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

In Auto Mode the unit will select if heating or cooling

Allows you to run the fan without any cooling or



FAN MODE

COOLING OPERATION LIMIT

HOT START CONTROL

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

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



\$--0--\h

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.



nanoe-G

OUIFT MODE

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



(1) 24 DUAL

ODOUR-REMOVING FUNCTION

With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarity, 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

Gives you easy access to the filter as well making the unit easy to clean.



ANTI-BACTERIAL FILTER

The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacterial protection to provide clean air.



◮

24-HOUR DUAL ON & OFF RFAL SETTING TIMER

start/stop operation timer (hour and minute) within a 24-hour time frame.



DEMAND RESPONSE ENABLING DEVICE (DRED)

Allows Electrical Utility Companies to regul power supply to the units if connected.

DRED

3RD PARTY CONNECTIVITY



WIRED REMOTE CONTROL (OPTIONAL)



LCD WIRELESS REMOTE CONTROL Mu.

RELIABILITY

BLUE FIN CONDENSER

RANDOM AUTO RESTART

When multiple units are connected and there is a power outage, they will turn on at different times ir order to not spike the power supply.



LONG PIPING

Long piping offers more flexible installation options

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.



OUTDOOR









CU-Z15RKR CU-Z18RKR CU-Z21RKR CU-E24RKR



CU-Z28RKR



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