AIR CONDITIONING

ECONAVI
REVERSE-CYCLE INVERTER

2016 MOST SATISFIED CUSTOMERS
CANSTAR BLUE
AIR CONDITIONER

Auto
ECONAVI
nanoe-G
R32
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 model.

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.
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.
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.

**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.
HAPPINESS IS COMING HOME TO FAST-COOLING

The latest range of Panasonic air conditioner models feature a new design with a wider intake grille and super-high fan speed. This combination produces greater air volume for fast cooling and fast comfort.

AUTOMATIC FAN SPEED
AUTO-X will automatically switch fan speed from low speed to super high fan speed depending on the difference it detects between the room and set temperature. With this precise control, you can now enjoy better comfort.

WIDER INTAKE GRILLE
Panasonic air conditioners feature a new wider intake grille as well as increasing the indoor fan speed to a super-high level at start up. The new chassis design also helps to generate greater air volume to contribute to faster cooling*.

* Compared to Panasonic 2014 model
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.

1. ABSENCE DETECTION
   Reduces cooling and heating power when you are not around.

2. SUNLIGHT DETECTION
   Adjusts cooling and heating power to changes in sunlight intensity.

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

4. AREA SEARCH
   Directs airflow to wherever you are in the room.

5. ACTIVITY DETECTION
   Adapts cooling and heating power to your daily activities.
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 quicker at start up.

**DURING COOLING**

**UP TO 38%**

ENERGY SAVINGS

for Inverter Cooling Model with Temperature Wave

**DURING HEATING**

**UP TO 45%**

ENERGY SAVINGS

for Inverter Heating Model

*¹ Comparison of 3.5kW Inverter model between ECONAVI with (Dual Human Activity Sensor, Sunlight Sensor, and Temperature Wave) ON and ECONAVI OFF (Cooling). ECONAVI ON, Outside temperature: 35ºC/24ºC  Remote setting temperature: 23ºC with Fan Speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: ECONAVI Mode. Setting temperature goes up 2ºC in trax, 1ºC controlled by ECONAVI activity level detection and another 1ºC controlled by ECONAVI light intensity detection. Temperature Wave is ON, electric heater (300W; simulating the heat of human and TV etc). ECONAVI OFF, Outside temperature: 35ºC/24ºC  Remote setting temperature: 23ºC with Fan Speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front. Total power consumption amount are measured for 2 hours in stable condition. At Panasonic Amenity Room (size:16.6m²). This is the maximum energy savings value, and the effect differs according to conditions in installation and usage.

*² Comparison of 3.5kW Inverter model between ECONAVI with dual sensor ON and OFF (Heating). ECONAVI dual sensor ON, Outside temperature: 2ºC/1ºC. Remote setting temperature: 26ºC with Fan Speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: ECONAVI Mode. Setting temperature goes down 3ºC in trax, 2ºC controlled by ECONAVI activity level detection and another 1ºC controlled by ECONAVI light intensity detection. ECONAVI dual sensor OFF, Outside temperature: 2ºC/1ºC. Remote setting temperature: 26ºC with Fan Speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front. Total power consumption amount are measured for 1 hour in stable condition. At Panasonic Amenity Room (size:16.6m²). This is the maximum energy savings value, and the effect differs according to conditions in installation and usage.
ADVANCED AIR PURIFICATION

3 AIRBORNE
Removal of 99% of particle pollution (PM2.5)\(^1\) and airborne particles\(^2\) such as bacteria, viruses and mould.

2 ADHESIVE
Deactivates 99%\(^3\) adhesive micro-organisms and deodorises adhesive odours.

NOTE: \(^1\) PM2.5 Removal was certified by FCI Research Institute. Inc. Test Report no: 25034. PM2.5: Cigarette Smoke (as PM2.5). Effectiveness is measured on 0.3um-2.5um. (Specific size only). This removal effect is not proven for all the airborne basic substances. \(^2\) Airborne Removal was certified by Kitaasato Research Center for Environmental Science KRCES-Env. Test Report no.: 21_0142 Bacteria: Staphylococcus aureus (NBRC 12732) KRCES-Env. Test Report no: 22_008. Virus: Escherichia coli phage ( phI-174 ATCC 13706-B1) Influenza (H1N1) 2009 Virus. KRCES-Env. Test Report no: 23_0462 Mould: Penicillium notatum (NBRC 4350). \(^3\) Adhesive Deactivation was certified by Japan Food Research Laboratories. Test Report number: 11047395001-02 Bacteria: Staphylococcus aureus (NBRC 12732) Test Report number: 11073649001-02 Virus: Bacillus subtilis (phI- X 174 NBR 10340) Test Report number: 11047397001-02 Mould: Cazadosporium cladosporioides (NBR 6348) Adhesive odour deodorisation was certified by OMI ODOR-AIR SERVICE Co. Ltd. Test Report No. 13-1204. \(^4\) In-Filter Deactivation was certified by Japan Food Research Laboratories Test Report number: 12014705001 Virus: Escherichia coli phage ( phI-174 ATCC 13706-B1) In-Filter Deactivation was certified by Kitaasato Research Center for Environmental Science. Test Report number: KRCES-Virus Test Report No. 24_0013 Virus: Influenza (H1N1) 2009 Virus. \(^5\) All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

DEACTIVATES UP TO 99% BACTERIA & VIRUSES
Applicable to ECONAVI Reverse-Cycle Inverter.
MILD DRY COOLING
NO MORE DRY AIR
Your clean air will also be comfortable air, thanks to the Mild Dry Cooling feature which is designed to maintain the level of air moisture in your room. Mild Dry Cooling reduces unwanted effects that dry out your eyes, skin, mouth or throat. This is especially useful if you like to leave the air conditioner on overnight while you sleep.
## WALL MOUNTED ECONAVI REVERSE CYCLE

### CS-Z9RKR | CS-Z12RKR | CS-Z15RKR

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

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>240V / 1 Phase / 50Hz</th>
</tr>
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<tbody>
<tr>
<td><strong>Cooling/Heating</strong> Capacity kW</td>
<td>2.50 (0.80~0.99)</td>
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<tr>
<td>Air Flow L/s</td>
<td>210</td>
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<tr>
<td>Dehumid L/h</td>
<td>0.50 (0.21~0.75)</td>
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<tr>
<td>Running Current A</td>
<td>1.5</td>
</tr>
<tr>
<td>Power Input kW / kW</td>
<td>2.3</td>
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<tr>
<td>Noise Level dB (A)</td>
<td>48 / 39</td>
</tr>
<tr>
<td>Energy Efficiency COP</td>
<td>9.52</td>
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<tr>
<td><strong>ACOP / COP</strong></td>
<td>4.87 / 5.00</td>
</tr>
<tr>
<td><strong>Star Rating</strong></td>
<td>4.0</td>
</tr>
<tr>
<td><strong>Pipe Extension Length</strong> (m)</td>
<td>9.9 (32)</td>
</tr>
<tr>
<td><strong>Dimensions</strong> Indoor Outdoor mm (H x W x D)</td>
<td>296 x 970 x 236 / 296 x 700 x 296</td>
</tr>
<tr>
<td><strong>Refrigerant</strong> R32</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply</strong> kW</td>
<td>2.0</td>
</tr>
</tbody>
</table>
| **Operating Range** Heating (°C) | -46 
| **Operating Range** Cooling (°C) | -24 |

### ALL CAPACITY AND ENERGY EFFICIENCY RATINGS ARE BASED ON AS/NZS2083.2

### SPECIFICATIONS & FEATURES

Products in this brochure contain R32 refrigerant. Please refer to Panasonic’s installation instructions and service manuals before installation and servicing this product.

Future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.

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**LCD WIRELESS REMOTE CONTROL**
Easy control of the unit from anywhere in the room.

**WIRED REMOTE CONTROL (OPTIONAL)**
For use in commercial applications, or where users don’t want a remote control.

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

**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.

**QUIET MODE**
Enjoy the comfort of running your air conditioner at night and still have a relaxing sleep.

**SWING FUNCTION**
Adjusts the direction of the airflow to distribute cool air effectively.

**AUTO CHANGEOVER (INVERTER)**
In Auto Mode the unit will select if heating or cooling is required.

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

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

**FAN MODE**
Allows you to run the fan without any cooling or heating, thus giving just ventilation.

**SOFT DRY OPERATION MODE**
Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.

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**ODOR-REMOVING FUNCTION**
With this function, there’s no unpleasant odor when the unit starts up. That’s because the fan remains off momentarily, while the source of the odor inside the air conditioner is suppressed.

**FAN SPEED**
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.

**POWERFUL MODE**
This is the rapid cooling or heating mode, designed for cooling or heating a room quickly.

**QUIET MODE**
Enjoy the comfort of running your air conditioner at night and still have a relaxing sleep.

**ECONAVI**
Sensors detect opportunities to reduce waste for more 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.

**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.

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

**3RD PARTY CONNECTIVITY**
Allows limited control from an external source when wired to do so.

**DEMAND RESPONSE ENABLING DEVICE (DRED)**
Allows Electrical Utility Companies to regulate the power supply to the units if connected.

**BLUE FIN CONDENSER**
Extra protection from the elements with a longer lasting coil.

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The Panasonic Air Conditioning Sizing Wizard makes choosing the right air conditioner easier. This application is very easy to use; simply enter some basic details about your room size and environment, and the Sizing Wizard will suggest the air conditioner model best suited to your needs. You can use it online, or download the app for your Android smartphone or tablet, or your iPhone or iPad.

FEATURES:
- Product Selector
- Model Recommendation
- Model Specifications
- Product Feature Videos
- Where to Buy