

# SERVICE BEYOND DELIGHT.

**700** AUTHORIZED SERVICE CENTERS (ASCs)

**50** PANASONIC SERVICE PLAZAS (PSPs)

ASSURED QUICK SERVICE ACROSS INDIA



**Panasonic**



INTELLIGENT ECO SENSORS

**ECONAVI**

**SENSES.  
SELF-ADJUSTS.  
SAVES.**

SERVICE HELPLINE

**1800 108 1333, 1860 425 1860, 1800 103 1333**

- Please read the Installation Instructions carefully before installing the unit, and the operating Instructions before using it
- Specifications are subject to change without prior notice
- The contents of this catalogue are accurate as of January, 2014
- Due to printing considerations, the actual colours may vary slightly from those shown
- All graphics are provided merely for the purpose of illustrating a point

Channel Partner Details:

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[www.panasonic.co.in](http://www.panasonic.co.in)

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INSIST ON A PANASONIC INDIA WARRANTY CARD

**INVERTER**

nanoe-G

UPTO **PM2.5**  
AIR-PURIFICATION

Air Conditioners 2014





INTELLIGENT ECO SENSORS  
**ECONAVI**  
SENSES | SELF ADJUSTS | SAVES

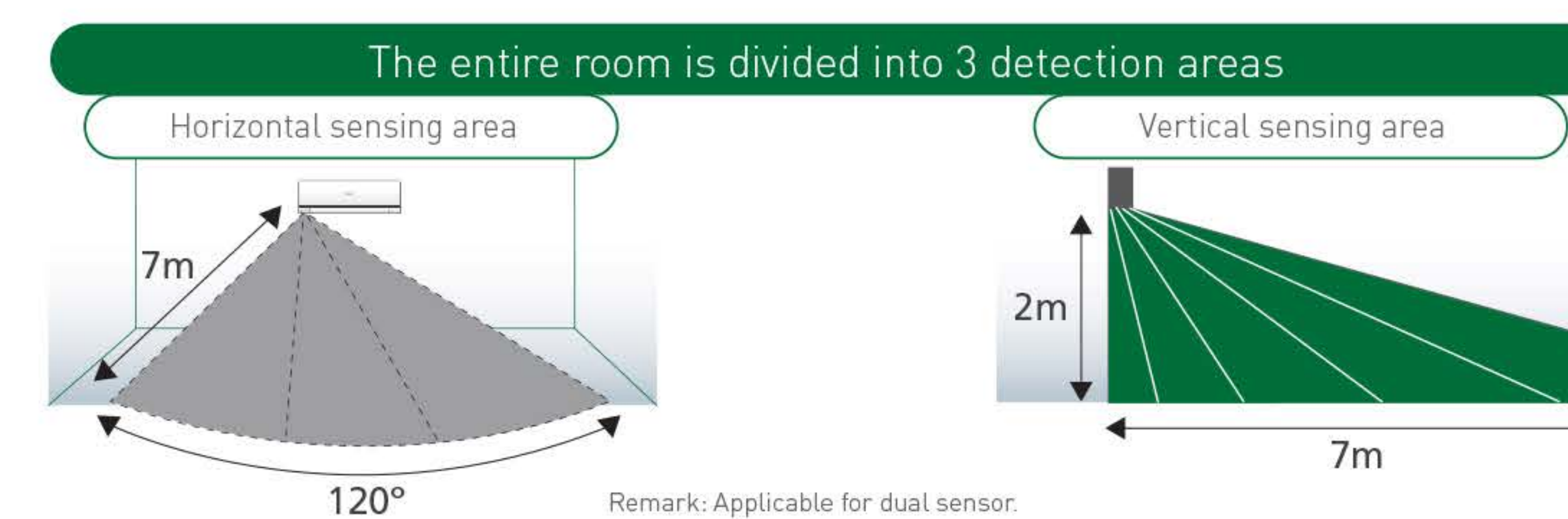
## 5 Features Saving Energy All At Once.

- 1 ABSENCE DETECTION**  
Reduces cooling power when you are not around.
- 2 SUNLIGHT DETECTION**  
Adjusts cooling 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 power to your daily activities.



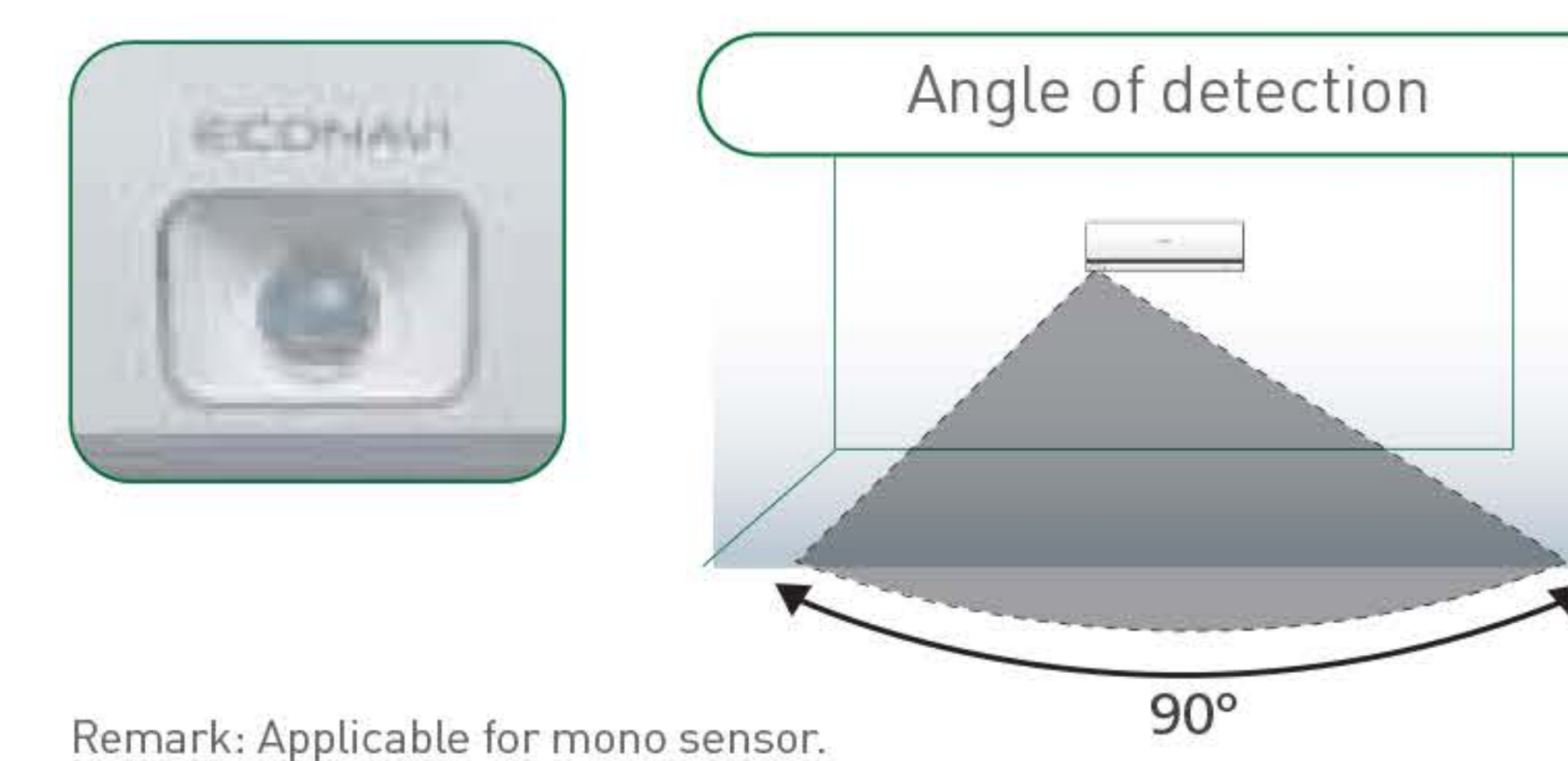
## Coverage Capabilities

Human Activity Dual Sensor covers a wider area due to its improved area detection function.



**ECONAVI**  
dual sensor  
Up to **35%\***  
energy savings

With the ECONAVI mono sensor, the air conditioner can detect wasted energy and automatically select an optimum energy-saving operation.



**ECONAVI**  
mono sensor  
Up to **20%\***  
energy savings

Remark: Applicable for mono sensor.

\*ECONAVI mono sensor features Low Activity Detection and Absence Detection sensors.

## The Perfect Energy Saving Match

INTELLIGENT ECO SENSORS  
**ECONAVI** + **INVERTER**  
SENSES | SELF ADJUSTS | SAVES

ECONAVI and INVERTER intelligently work together, adapting to the way you live and optimize operation accordingly to save energy.

### ECONAVI

- 5 energy saving features monitor activity and room conditions to detect where energy is normally wasted.

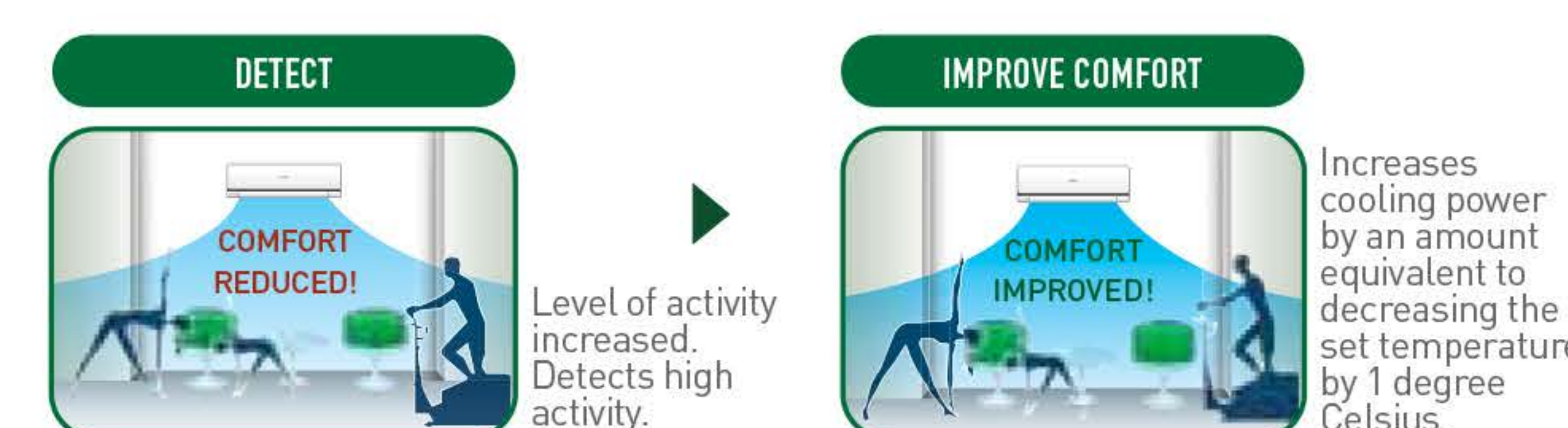
### INVERTER

- Varies compressor speed according to ECONAVI sensor data.
- Achieves precise temperature control.

## Autocomfort Keeps You Comfortable

**AUTOCOMFORT**

AUTOCOMFORT is used to provide comfort. High Activity Detection detects when the level of activity increases and automatically increases cooling power by an amount equivalent to decreasing the set temperature by 1 degree Celsius to improve comfort.



### High Activity Detection

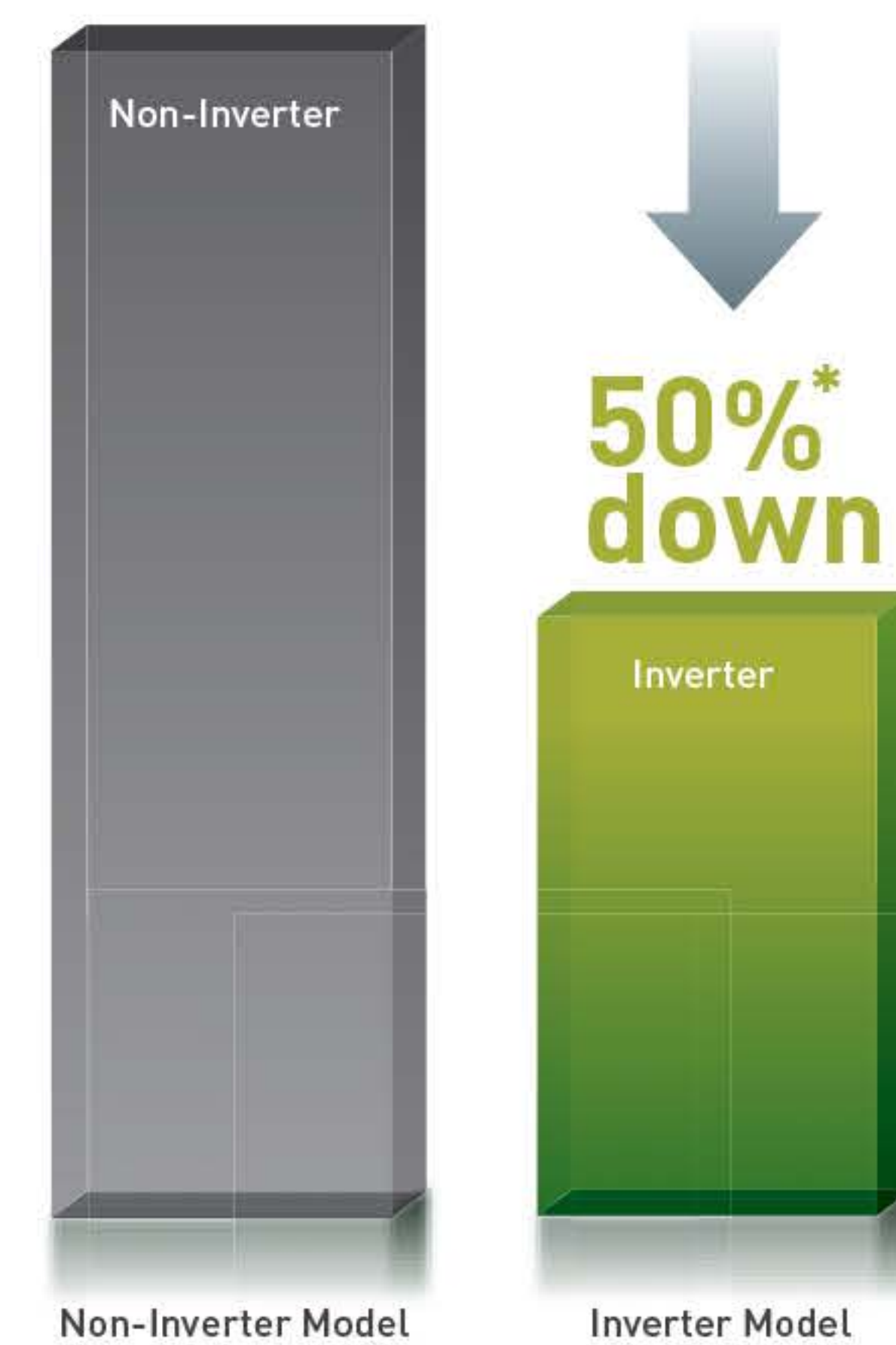
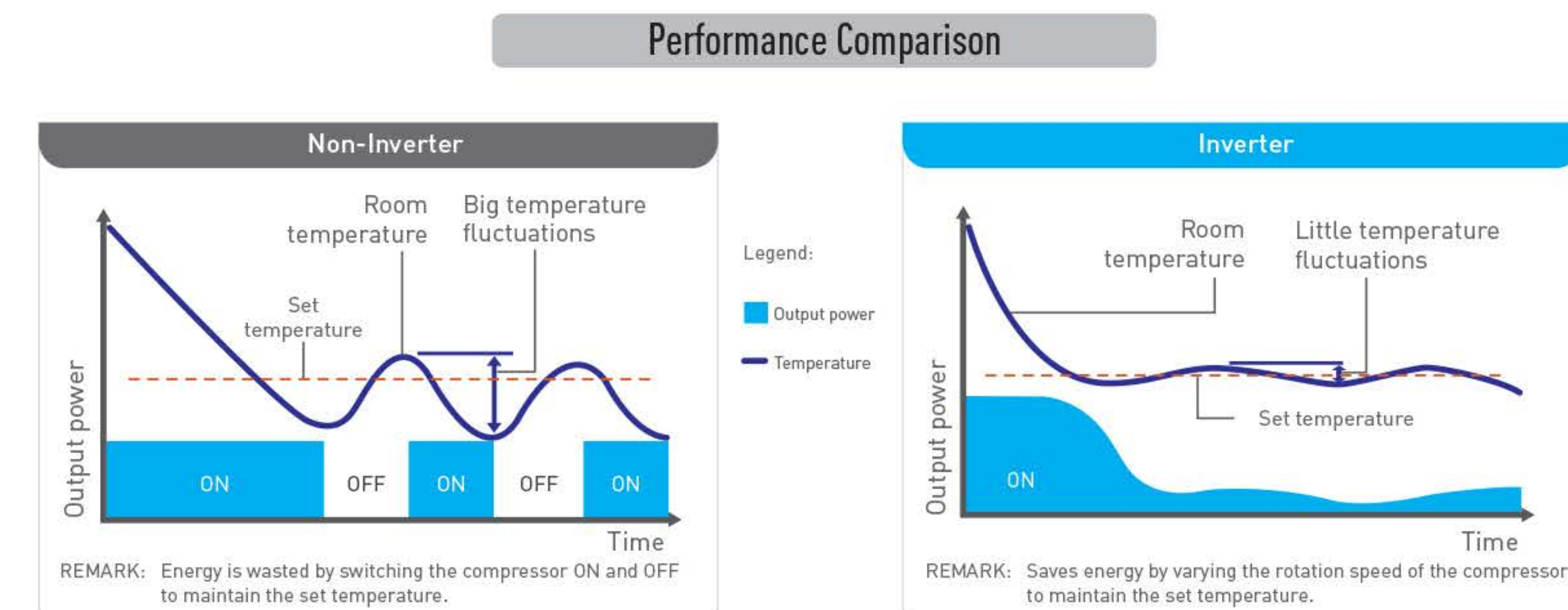
ECONAVI High Activity Detection can detect changes in activity levels to adjust cooling power to improve comfort.



## Reduces Electricity Consumption

Panasonic INVERTER air conditioner varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature.

## INVERTER



## Constant Comfort

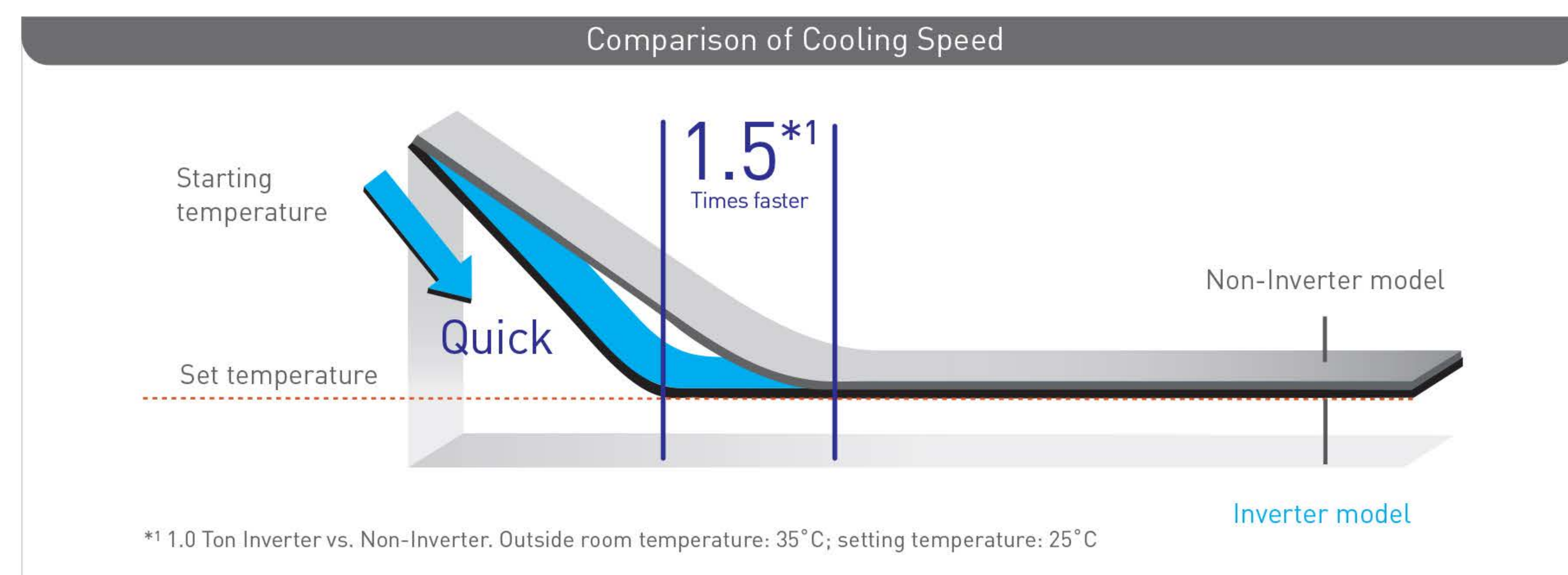
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.



Graph shows the 1.0 Ton Inverter model's wide power output range during cooling.

## Quick Cooling

Panasonic INVERTER air conditioners can operate with higher cooling power during the start up period to cool the room 1.5 times faster than Non-INVERTER models.



## Mild Dry Cooling

Mild dry cooling maintains a higher level of relative humidity of up to 10% compared to regular cooling operation. This helps to reduce skin dryness and dry throat.



Lowers room temperature while maintaining high humidity

## 'HAPPY' Is Not Worrying About Little Things

Thanks to nano-sized ions, nanoe-G can remove small pollutant particles smaller than 2.5 micrometers (PM2.5) in the air you breathe.



EFFECTIVE ON BACTERIA AND VIRUSES

**1 AIRBORNE** Removal of airborne particles  
 99% PM2.5, Bacteria, Virus & Mold Removal

**2 ADHESIVE** Deactivates adhesive micro-organisms  
 99% Bacteria & Virus Deactivation

**3 IN-FILTER** Deactivation  
 99% Bacteria & Virus Deactivation

3 trillion\* nanoe-G fine particles released from the generator.  
 Natural Ion Wind spreads nanoe-G fine particles that are released from the nanoe-G generator.

Remark: \*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 (12mHx10mWx3m calculated number of nanoe-G fine particles in the entire room assuming they are evenly distributed.

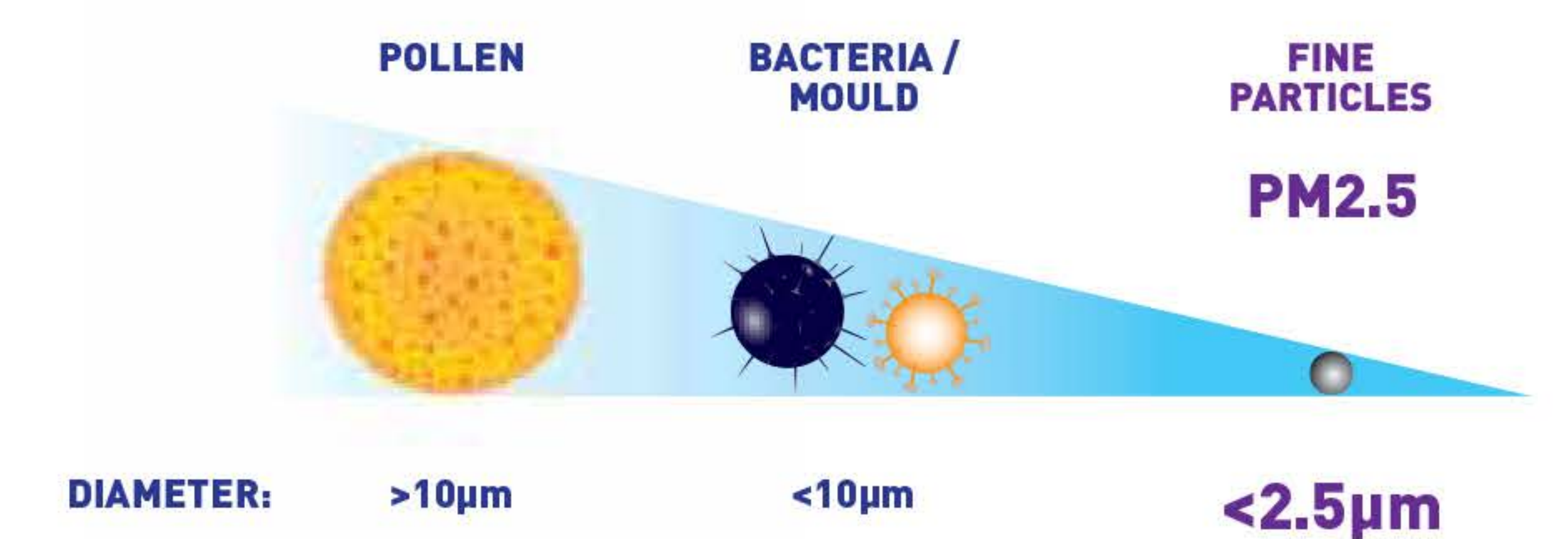
**1 REMOVAL OF AIRBORNE PARTICLES**  
 nanoe-G can effectively remove up to 99% of PM2.5 and airborne particles such as bacteria, viruses and mould.

**2 DEACTIVATION OF ADHESIVE MICRO-ORGANISMS**  
 nanoe-G is able to deactivate up to 99% of bacteria and viruses and inhibit mould growth that settles on surfaces around you.

**3 IN-FILTER DEACTIVATION**  
 With In-filter deactivation, nanoe-G deactivates 99% of bacteria and viruses trapped in the filter.

## About PM 2.5

"Particulate matter," also known as PM is made up of a number of components including extremely small particles and liquid droplets. Sized at less than 2.5 micrometers (PM2.5), these particles are said to pose health problems as they can easily enter our lungs.



## Sources of PM2.5

PM2.5 can be found suspended in the air, including dust, dirt, smoke and liquid droplets. These fine particles come from man-made sources such as the combustion of fossil fuels, open burning and industrial processes as well as natural ones, which include sea sprays and dust carried by strong winds.





### Anti-bacterial Filter

The Anti-Bacterial Filter combines three effects in one: anti-bacterial, anti-virus and anti-allergen protection to **provide 99% clean air**.



### Catechin Filter

Catechin Filter **deactivates 90% of bacteria** trapped in the filter.



### Super Tropical Compressor

Panasonic's Super Tropical Compressor can achieve high efficiency under high load conditions. Cooling is possible when outside temperature **is at 52°C**.

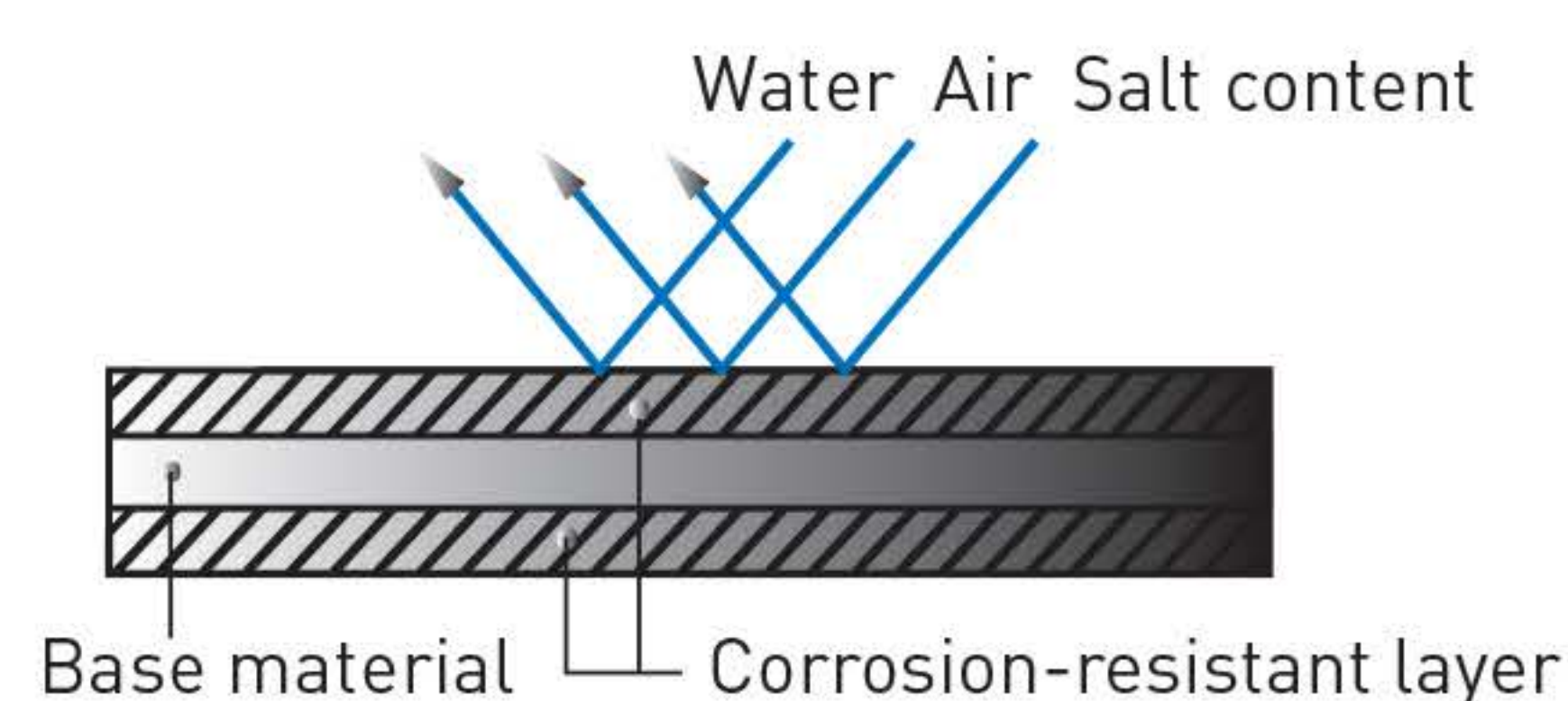


### Blue Fin Condenser

Coated with a layer of our original **anti rust coating**, it allows you to enjoy more years of reliable comfort plus extra economy over long run.



Special Coating Layer (Fin Cross-section)



### 31ft Airflow

This specially-designed vane has been integrated with the louver to send the air further across the room to rapidly cool it to a comfortable temperature.

Once powerful mode is activated, powerful airflow will generate stronger airflow as far as **31 feet to provide fast cooling comfort**.



\* Activated during powerful mode operation.

### Sleep Mode

Sleep Mode provides cooling comfort that is ideal for a **good night sleep by automatically adjusting cooling power** for a total duration of 8 hours.



#### Falling Asleep

Eases you to sleep by decreasing the set temperature for extra cooling comfort.

#### Deep Sleep

Gradually increases the set temperature to maintain a comfortable temperature. This helps prevent over-cooling and saves energy.

#### Waking Up

Eco Sleep Mode assures you wake up fresh without dry skin or dry throat.

### Composite Micro Channel Condenser

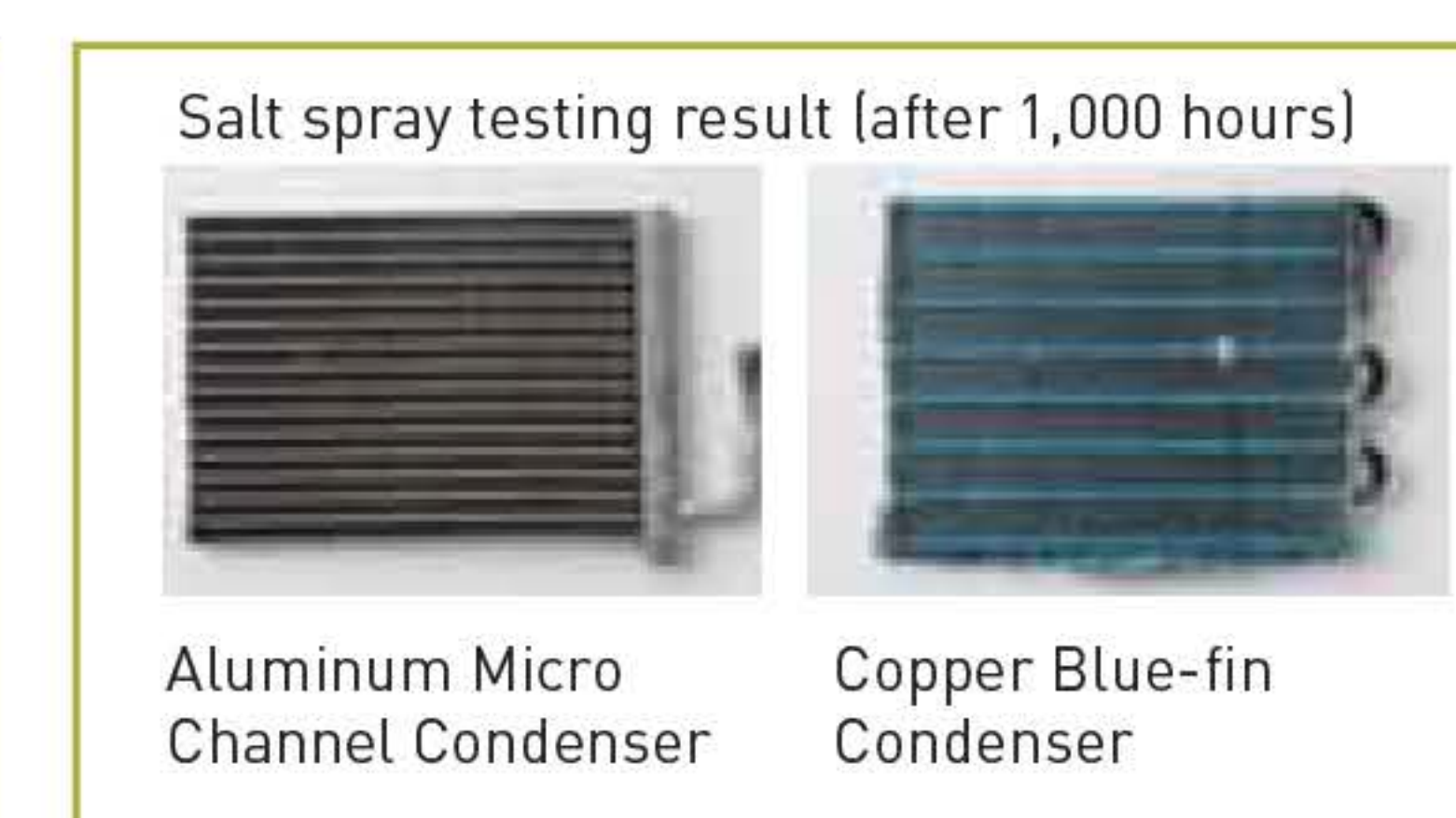
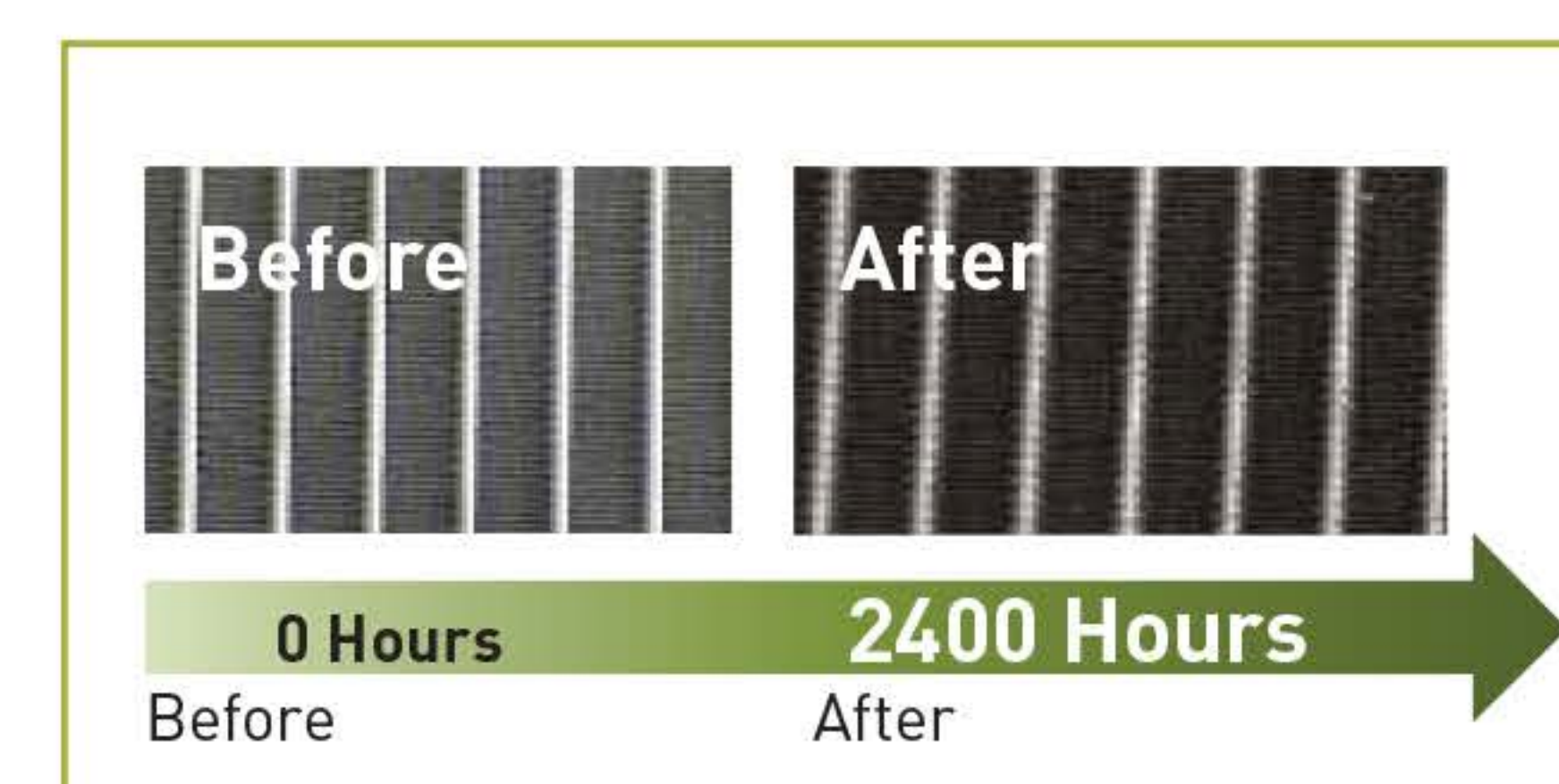
Panasonic's unique Composite Micro Channel Condenser, is a highly durable **special Aluminium alloy condenser**.



### Panasonic's "3 Strengths" halt corrosion, damage and leakage.

#### 1. The Materials are Different. A special, corrosion-resistant alloy.

Made of special resistant alloy, it is highly durable. Durability has been confirmed under extremely harsh conditions.



#### 2. The Structure is different. A special, corrosion-resistant alloy.

##### Preventing Cracks Due to Impacts

Special resin joints to prevent cracks due to impacts.



##### Preventing Galvanic Corrosion

Stainless steel joint between aluminium & copper parts to prevent galvanic corrosion.



#### 3. The Quality Verification is Different. A special, corrosion-resistant alloy.

Panasonic Micro Channel Condenser is an ecological and economical choice

- Upto 25% lower weight
- Upto 7% increase in COP
- Upto 45% less refrigerant
- Upto 22% lower volume

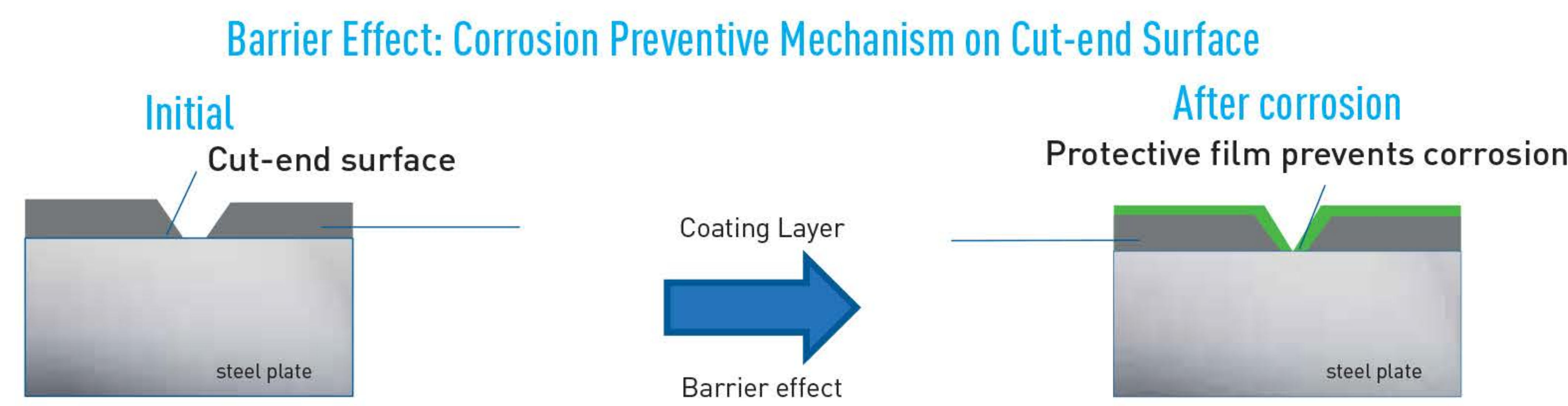
\*Applicable models KC12, KC24, YC15, UC-2 Series & CUBE series



## EcoTough Casing

Panasonic "EcoTough Casing" comes with a highly durable composition of  
 • Zinc • Aluminum • Magnesium • Silicon

This protective layer of coating works effectively in **suppressing the development of corrosion** particularly on flat and cut-end surfaces.



Coating component melts and forms a tight protective film creating "Barrier Effect". This provides good corrosion resistant performance by suppressing spread of corrosion on cut-end surfaces

## Environment Friendly

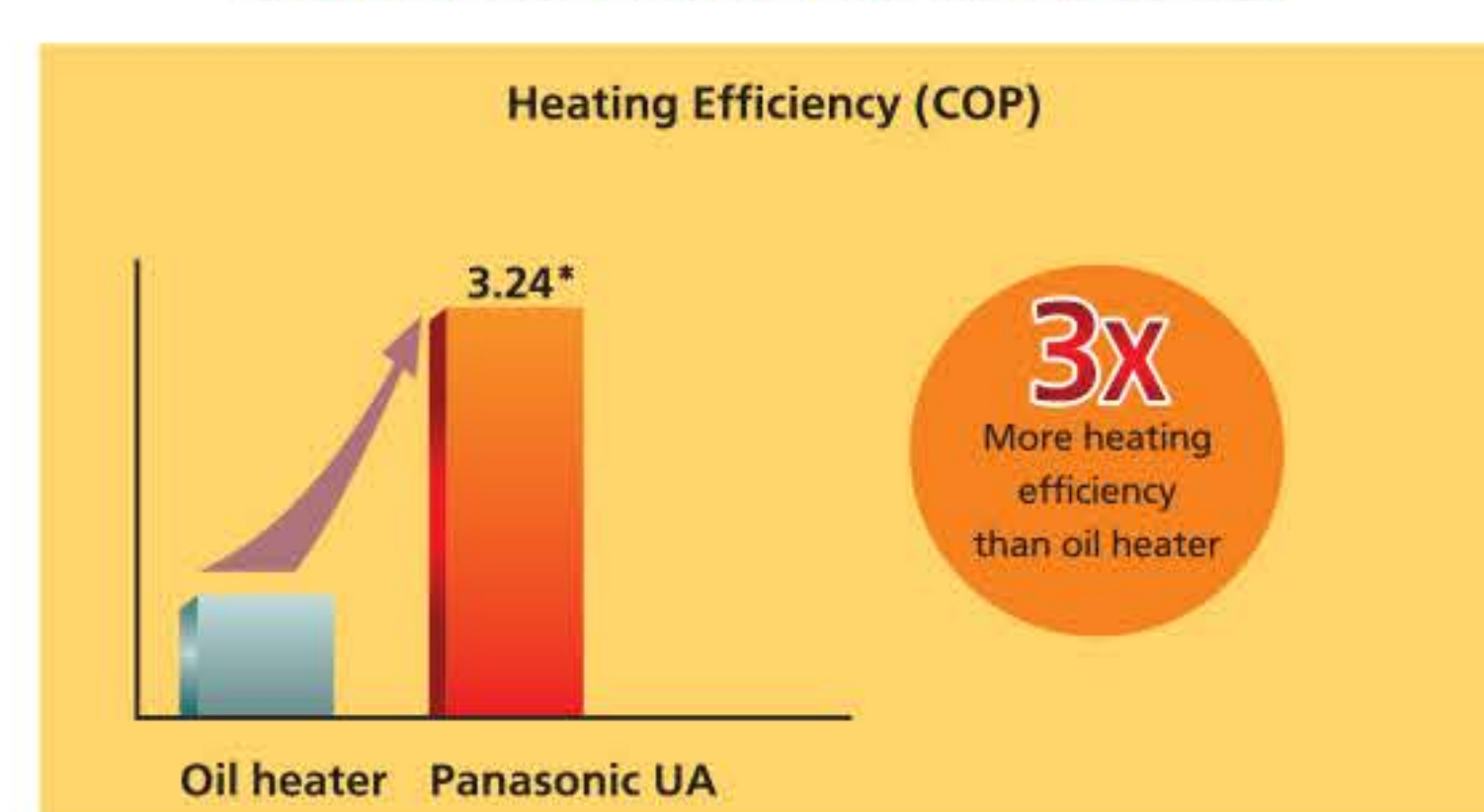
An all aluminium condenser enables easier recycling. Elimination of paint in EcoTough casing reduces environmental impact.



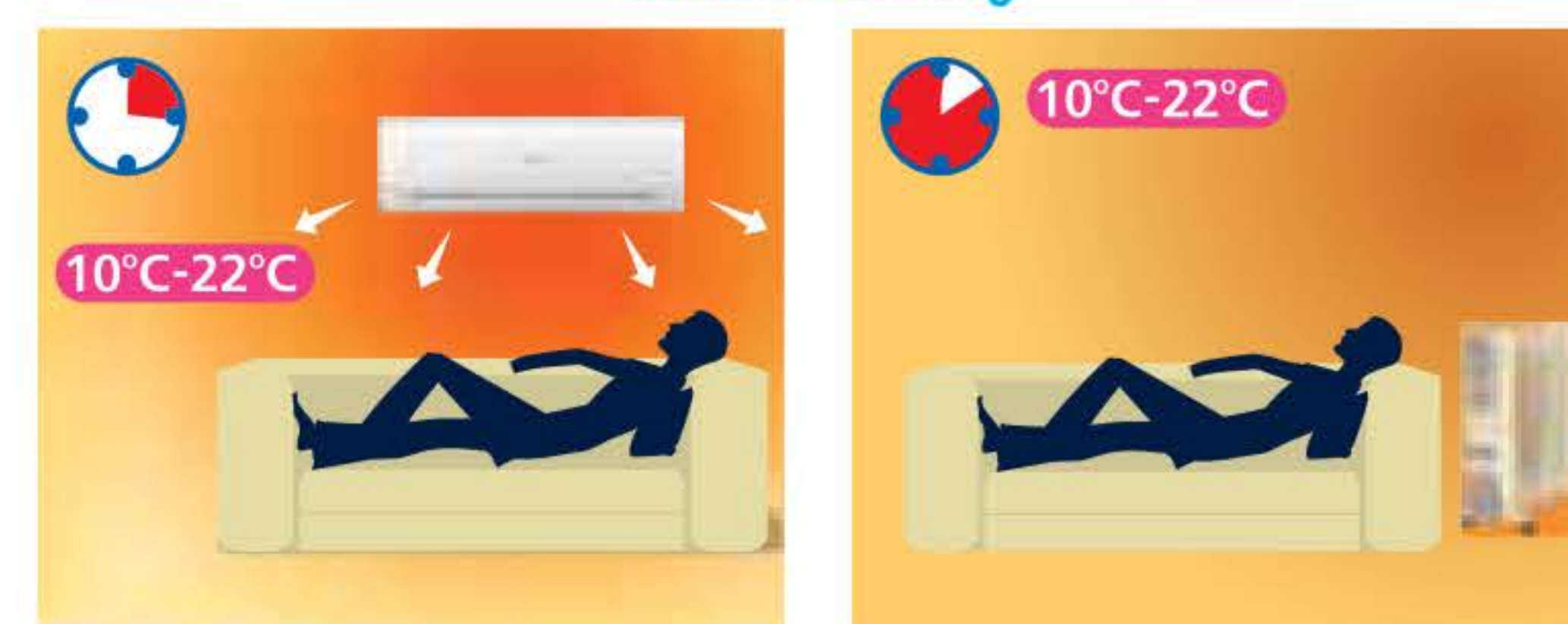
## Panasonic's Hot & Cold AC keeps you warm in winters, cool in summers and saves energy too.

Enjoy cool summers and warm winters with Panasonic Hot & Cold AC. Powered with the revolutionary heat pump compressor, it ensures that you enjoy the best of both the worlds. Go ahead, **get the weather you desire.**

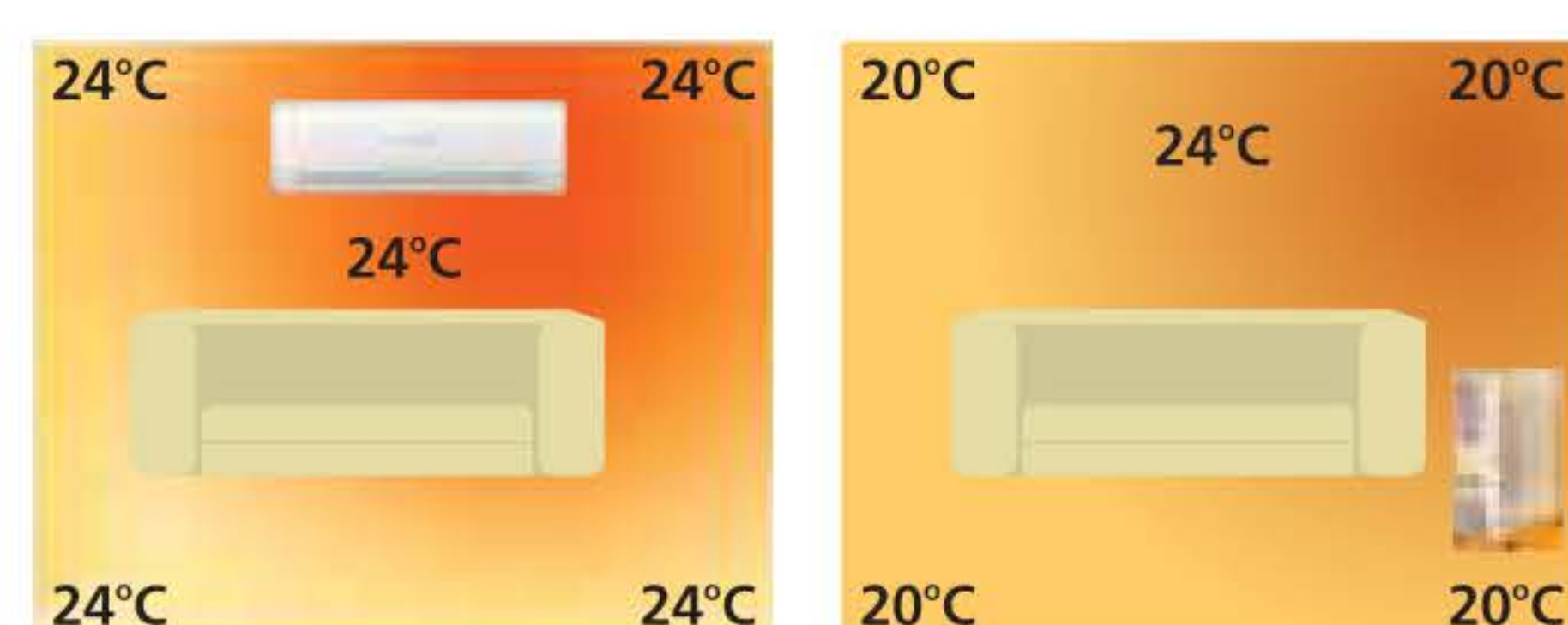
### Hot & Cold AC vs. Oil Heater



### Quick Heating



### Uniform Heating



### Wide operating temperature range



## Enjoy the best of both world with Panasonic Hot & Cold AC that's 3x more efficient.



Heats faster than an oil heater



Ensures uniform heating & retains moisture



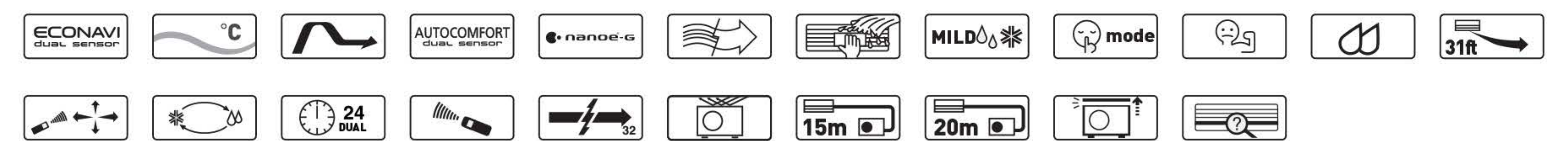
Efficient operation ensures **up to 33%** savings

## Inverter Chrome



S Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

### FEATURES

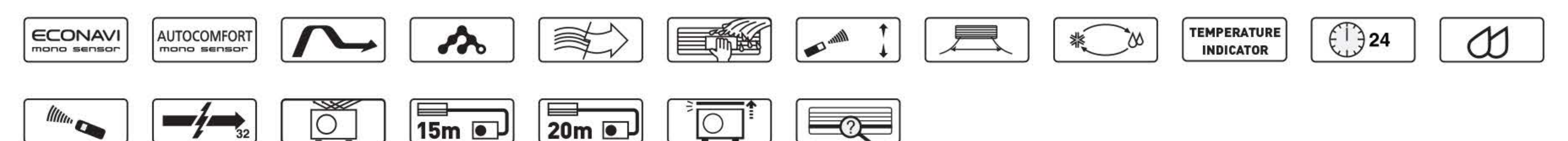


## Inverter Jade



TS Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

### FEATURES

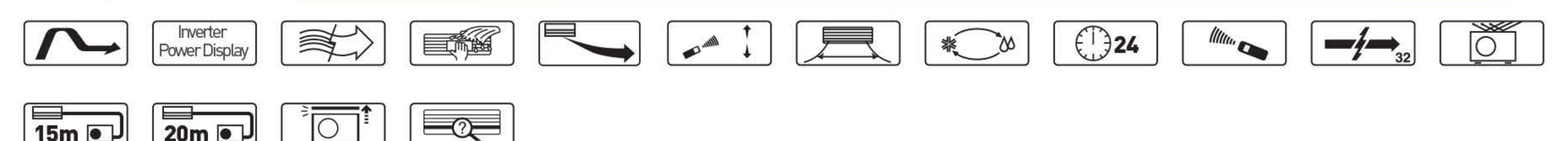


## Inverter Crystal



YS Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

### FEATURES





**Inverter Hot & Cold**

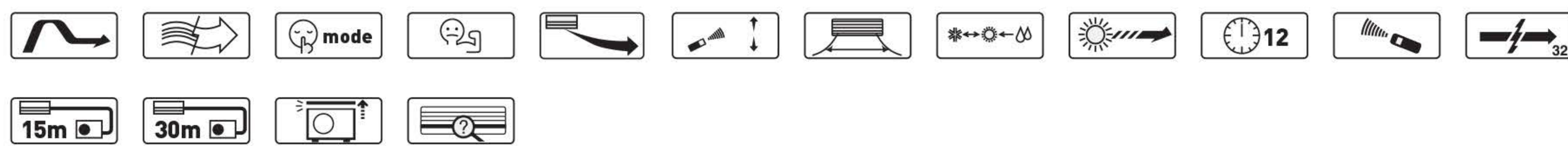


Wireless

**INVERTER**  
**HOT & COLD**  
Air Conditioner

YE Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

FEATURES



**Virusfighter**

**NEW**



Wireless



**ECONAVI**

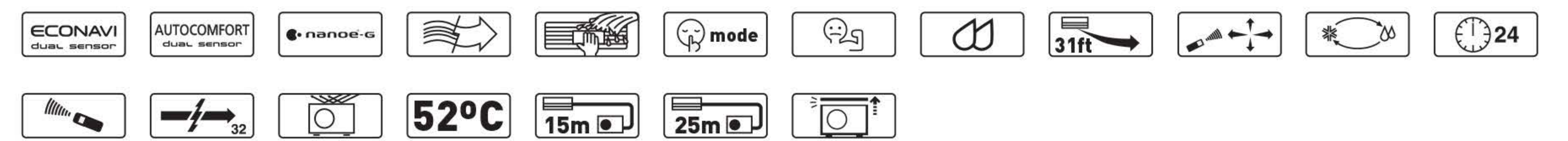
dual sensor

nanoe-G

**Blue Fin**  
Condenser

XC Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

FEATURES



**Virusfighter Hot & Cold**

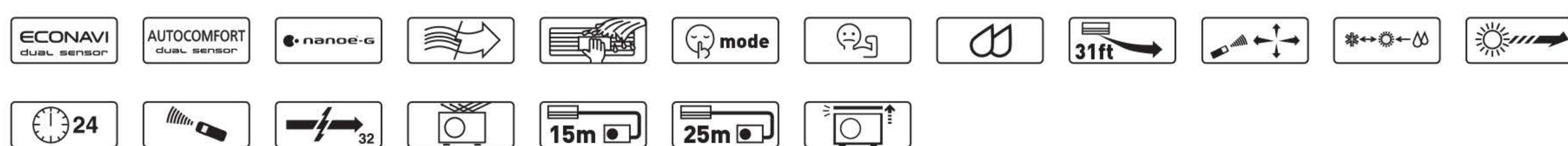


Wireless

**ECONAVI**  
dual sensor  
nanoe-G  
**HOT & COLD**  
Air Conditioner  
**Blue Fin**  
Condenser

A Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

FEATURES



**Sapphire**

**NEW**



Wireless



Anti-Bacterial Filter

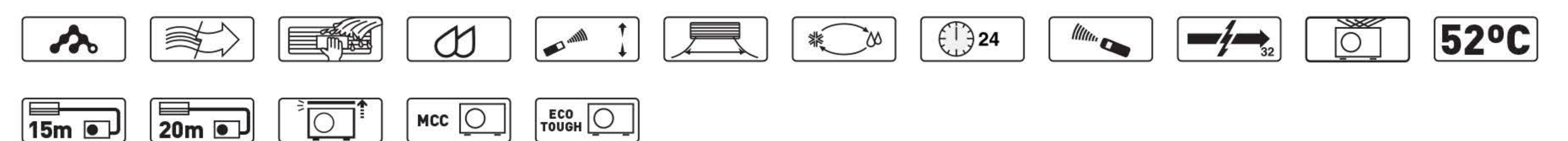
**Blue Fin**  
Condenser

EcoTough  
Casing

**Micro Channel**  
Condenser

KC Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

FEATURES



**Ivory Hot & Cold**



Wireless

**HOT & COLD**  
Air Conditioner  
**Blue Fin**  
Condenser  
EcoTough  
Casing

UA Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

FEATURES



**Pearl**

**NEW**



Wireless



Anti-Bacterial Filter

TEMPERATURE  
INDICATOR

**Blue Fin**  
Condenser

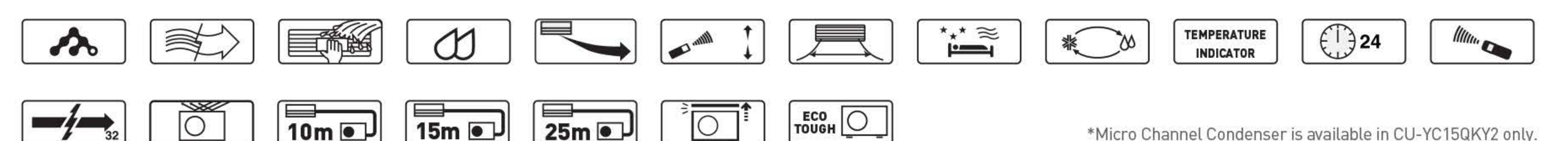
EcoTough  
Casing

**Micro Channel**  
Condenser

YC-3 Series Available Tonnage: 0.75, 1.0 & 1.5 Ton

YC-2\* Series Available Tonnage: 1.0, 1.25, 1.5, 2.0 & above 2.00 Ton

FEATURES



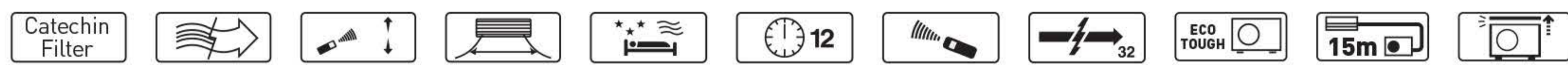
\*Micro Channel Condenser is available in CU-YC15QK2 only.





UC-3 Series Available Tonnage: 1.0 & 1.5 Ton  
 UC-2\* Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

## FEATURES

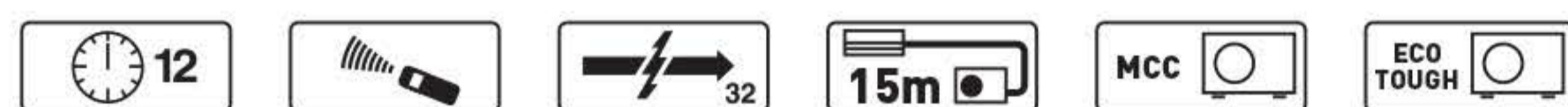


\*Micro Channel Condenser is available in UC-2 Series only.



ZC Series Available Tonnage: 1.25 & 1.5 Ton

## FEATURES



Window Series Available Tonnage: 1.0, 1.5 & 2.0 Ton

## FEATURES

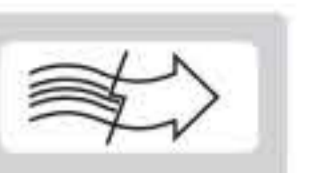


## Cleaner Air

**nanoe-g**  
 nanoe-g works effectively on airborne, 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.



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



**Catechin Filter**  
 Catechin Filter deactivates 90% of bacteria trapped in the filter.



**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 timer (hour and minute) within a 24-hour time frame.



**24-Hour ON & OFF Real Setting Timer**  
 The exact operating time (hour and minute) of the air conditioner can be set in advance. From here on, the unit will operate in accordance to these preset hours every day until the system is reset.



**12-Hour ON & OFF Setting Timer**



**LCD Wireless Remote Controller**

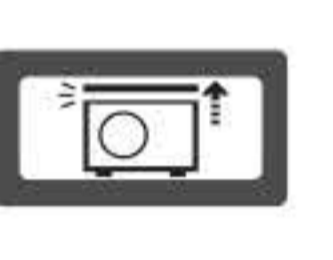


## Reliability

**Random Auto Restart**



**Top-Panel Maintenance Access**



**Blue Fin Condenser**



**Self-Diagnostic Function**  
 Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.



**Long Piping**



**Designed for 52°C Outdoor Temperature**



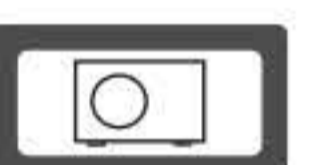
**55°C Ambient Cooling**



**Eco Tough Casing**



**Micro Channel Condenser**



## Comfort

**ECONAVI Dual Sensor**  
 Detects and reduces waste for more energy savings.



**Quiet Mode**  
 Reduces both indoor & outdoor unit's operating sound thus providing a comfortable sleep.



**ECONAVI Mono Sensor**



**Powerful Mode**  
 Enables quick cooling thus ensuring fast comfort with full power & strong airflow.



**Temperature Wave**  
 Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.



**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.



**AUTOCOMFORT Dual Sensor**  
 Detects high activity levels and adjusts cooling and heating power to improve comfort.



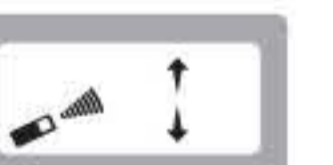
**Personal Airflow Creation**  
 Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote even from a distance.



**AUTOCOMFORT Mono Sensor**



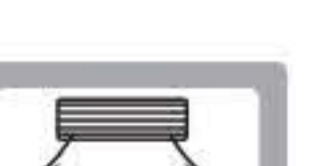
**Airflow Direction Control (Up & Down)**



**Inverter Control**  
 Varies the rotation speed of the compressor for higher energy savings.



**Manual Horizontal Airflow Direction Control**



**Inverter Power Display**



**Hot Start Control**  
 Ensures that the indoor fan starts up once the indoor unit heat exchanger is warm, on the start of heating cycle & after defrost cycle.



**Mild Dry Cooling**  
 Maintains level of relative humidity to help reduce skin dryness and dry throat.



**31ft Airflow**



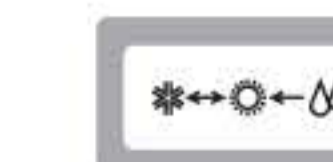
**Automatic Operation Mode (Cooling)**



**Wide & Long Airflow Vane**



**Automatic Operation Mode (Heat Pump)**



**Temperature Indicator**



**Sleep Mode**



### Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB (19°C WB)	21°C DB
Outside air temperature	35°C DB (30°C WB)	7°C DB (6°C WB)



# FEATURE COMPARISON

## Features Comparison

Split Type  
Cooling Models  
Heat-Pump Models

	Inverter Single-Split			Hot & Cold Series			Cooling only Series					CUBE Series		
	S12PKYP S18PKYP S24PKYP	TS12PKY TS18PKY TS24PKY	YS9PKYP YS12PKYP YS18PKYP YS24PKYP	YE9PKY YE12PKY YE18PKY YE24PKY	A12PKYP A18PKYP A24PKYP	UA12PKYP UA18PKYP UA24PKYP	XC12QKY XC18QKY XC24QKY	KC12QKY KC18PKY-1 KC24QKY	YC9QKY3 YC12QKY3 YC18QKY3 YC24QKY3	UC12QKY3 UC18QKY3 UC24QKY3	YC36PKY	YC9QKY2 YC12QKY2 YC15QKY2 YC18QKY2 YC24QKY2	UC12QKY2 UC18QKY2 UC24QKY2	ZC15PKYP3 ZC20PKYP3
<b>Cleaner Air</b>														
nanoe-G	•				•		•							
Anti-Bacterial Filter		•						•	•		(Optional)	•		
Catechin Filter										•			•	
Odour-Removing Function	•	•	•	•	•	•	•	•	•	•	•	•	•	
Removable, Washable Panel	•	•	•		•		•	•	•	•	•	•	•	
<b>Comfort</b>														
ECONAVI Dual Sensor	•				•		•							
ECONAVI Mono Sensor		•												
Temperature Wave	•													
AUTOCOMFORT Dual Sensor	•				•		•							
AUTOCOMFORT Mono Sensor		•												
Inverter Control	•	•	•	•										
Mild Dry Cooling	•													
Quiet Mode	•			(YE9/12/18)	•		•							
Powerful Mode	•			(YE9/12/18)	•		•							
Soft Dry Operation Mode	•	•			•		•	•			•	•		
31 ft Airflow	• (S18/S24)				• (A18/A24)		• (XC18/XC24)							
Wide & Long Airflow Vane			(YS9/YS12)	•						(YC9/YC12)		(YC9/YC12)		
Personal Airflow Creation	•				•		•							
Airflow Direction Control (Up & Down)		•	•	•			•	•	•	•	•	•	•	
Manual Horizontal Airflow Direction Control		•	•	•			•	•	•	•	•	•	•	
Automatic Operation Mode (Cooling)	•	•	•				•	•	•	•	•	•	•	
Automatic Operation Mode (Heat Pump)				•										
Temperature Indicator		•										•		
Inverter Power Display			•											
Sleep Mode									•	•		•	•	
Hot Start Control				•	•		•							
<b>Convenience</b>														
24-Hour Dual ON & OFF Real Setting Timer	•													
24-Hour ON & OFF Real Setting Timer		•	•		•		•	•	•	•	•	•	•	
12-Hour ON & OFF Setting Timer				•			•			•			•	•
LCD Wireless Remote Controller	•	•	•	•	•		•	•	•	•	•	•	•	•
<b>Reliability</b>														
Random Auto Restart (32 Restart Patterns)	•	•	•	•	•		•	•	•	•	•	•	•	•
Blue Fin Condenser	•	•	•		•		•		(KC18)	•	•	•	(Except YC15)	
Long Piping (Numbers indicate the maximum pipe length)	15m (S12) 20m (S18/S24)	15m (TS12) 20m (TS18/TS24)	15m (YS9/YS12/YS18) 20m (YS24)	15m (YE9/YE12/YE18) 30m (YE24)	15m (A12) 25m (A18/A24)	15m	15m (XC12) 25m (XC18/XC24)	15m (KC12) 25m (KC18/KC24)	10m (YC9), 15m (YC12) 25m (YC18/YC24)	15m	30m	10m (YC9), 15m (YC12/NC15) 25m (YC18/YC24)	15m	15m
Top-Panel Maintenance Access	•	•	•	•	•		•	•	•	•	•	•	•	•
Self-Diagnostic Function	•	•	•	•										
Designed for 52°C Outdoor Temperature							•	•						
55°C Ambient Cooling											•			
Micro Channel Condenser								(KC12/KC24)				(YC15)	•	•
Eco Tough Casing						•		(KC12)	(YC12/YC18/YC24)	•		(YC15/YC18)	•	•



## Delivering Reliability & Durability Since 1958



### ENVIRONMENTAL TEST



Tested in Anechoic chamber monitored by 150 sensors, ensuring Air Conditioner's optimal performance in compliance with Industry standards.

### NOISE TEST



Tested in Anechoic chamber or "absolute noise-free" room, ensuring Air Conditioner delivers quiet operation.

### WATERPROOF TEST



Tested with continuous water spraying, ensuring Air Conditioner components are protected against water intrusion.

### PROVEN IN EXTREME TEST CONDITIONS



Tested to suit various environments, allowing Air Conditioners to be sold globally even in countries with temperatures from -20°C to 55°C.

## When Commitment and Sincerity Lead, Trust Follows.

The **Energy Conservation Award 2012** from the Government of India bears testimony to Panasonic India's commitment towards offering products that not only help you save maximum energy but also strive for a better and greener tomorrow. Econavi has also been awarded with innovative energy saving technology trophy at ACREX and ACETECH 2011



## Panasonic Air Conditioner As Per New BEE 2014 Star Rating Levels

New BEE Energy Efficiency Rating (EER) for Split Air Conditioners will come into effect from 01-01-2014

EER Effective: 01.01.2012~31.12.2013		
Star Rating	Minimum	Maximum
1 Star*	2.50	2.69
2 Star**	2.70	2.89
3 Star***	2.90	3.09
4 Star****	3.10	3.29
5 Star*****	3.30	-

EER Effective: 01.01.2014~31.12.2015		
Star Rating	Minimum	Maximum
1 Star*	2.70	2.89
2 Star**	2.90	2.09
3 Star***	3.10	3.29
4 Star****	3.30	3.49
5 Star*****	3.50	-

## INTELLIGENT ECO SENSORS



SENSES | SELF ADJUSTS | SAVES

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

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

### INTELLIGENT ECO SENSORS



SENSES | SELF ADJUSTS | SAVES

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 minimize waste, energy and water consumption while making your life even more comfortable and convenient.

