



Econavi intelligent sensors for Heatcharge and Etherea models

**Discover the waste to discover energy savings**

When you are relaxing while watching television, the air conditioner's operation usually runs at a constant temperature setting.



**Econavi detects and reduces this waste in all the right ways**

Using high-tech sensors and precise control programs, it analyses room conditions and adjusts cooling power accordingly. It is smart enough to locate and operate in all the right places to give you better energy savings.

**5 Features saving energy all at once**

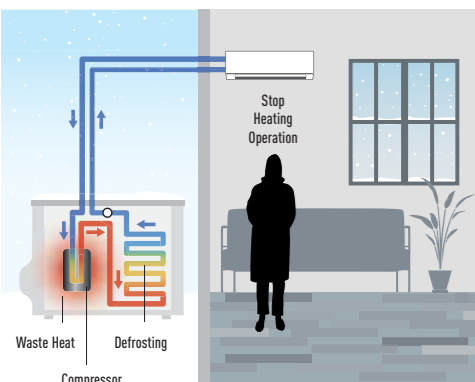


- New Temperature Wave**  
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.
- Area Search**  
Directs airflow to wherever you are in the room. Econavi detects changes in human movements and reduces the waste of cooling the unoccupied area of the room.
- Activity Detection**  
Adapts cooling power to your daily activities. Econavi detects changes in activity levels and reduces the waste of cooling with unnecessary power.
- Absence Detection**  
Reduces cooling power when you are not around. Econavi detects human absence in the room and reduces the waste of cooling an empty room.
- Sunlight Detection**  
Adjusts cooling power to changes in sunlight intensity.

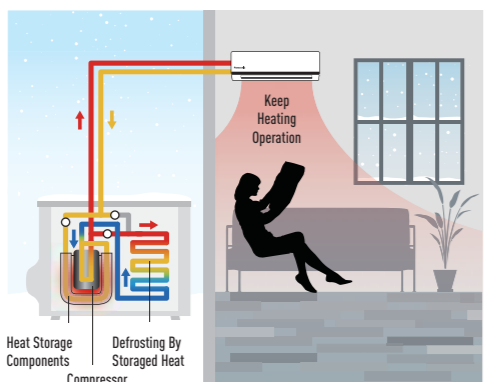


**The new Heatcharge heating power and efficiency**

- Energy Charge System. Heat storage unit which features Non-Stop heating and fast heating function
- Maximum efficiency and comfort with Econavi sunlight detection
- Nanoe-G air purifying system
- More powerful airflow to quickly reach the desired temperature



**CONVENTIONAL THE ROOM GRADUALLY BECOMES COLD**  
Defrost operation: About 11 to 15 min.  
Fall in room temperature: About 5 to 6 °C



**HEATCHARGE THE ROOM IS THOROUGHLY WARMED**  
Defrost operation: About 5 to 6 min.  
Fall in room temperature: About 1 to 2 °C

- Defrost operation time and how low room temperature falls differ depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
- Output air temperature falls during defrost operation. How low room temperature falls differs depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
- In environments where a lot of frost accumulates, heating may stop during defrost operation.



Due to the complex nature of our products, the specifications of the software and hardware features are subject to change without notice. Please refer to the latest product manual for details.

**Control your air conditioning from wherever you are at home. Control your comfort and efficiency with the lowest energy consumption**

Panasonic has always offered its customers the most efficient Heat Pumps and Air Conditioners. Now it has taken a step forward and presents a control solution taking advantage of the latest Cloud Technology to enable you to manage your climate system from anywhere in the world. Control your environment from your iPad, iPhone, any Android device or from a PC with Internet access using this add-on service. Offering the same functions as if you were at home: start/stop, Mode Operation, Set Temperature, Room Temperature etc. Experience the new, advanced functionality provided by Panasonic to achieve the best comfort and efficiency with the lowest energy consumption.



**Study Case. James, architect**  
"As an architect, I'm proud of my home. Unfortunately, the pace of my life revolves around airports on all five continents. Because of this, whenever I get the chance to enjoy even just a few days at home, I programme my Panasonic Multi Split System to my tablet and from wherever I happen to be, I can enjoy the comforts that the system gives me from the minute I arrive home."

<p><b>Air purifier</b> 99% removal bacteria-virus-mold</p> <p><b>Perfect humidity control</b> HDD DR</p> <p><b>Prevention allergen filter</b> ANTI ALLERGEN FILTER</p> <p><b>A class energy saving</b> INVERTER+</p> <p><b>A class energy saving</b> INVERTER</p> <p><b>6.6 A++ SEER</b> SEASONAL ENERGY EFFICIENCY RATIO</p>	<p>Nanoe-G utilizes 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.</p> <p>The Perfect Humidity Air controls the humidity level in the air to prevent over-dryness.</p> <p>The Anti Bacterial Filter eliminates the allergens it captures. It combines three functions in one (anti-allergen, anti-virus and anti-bacteria) to keep room air clean and healthy.</p> <p>The A Inverter system provides energy savings of up to 50%. You win and nature wins.</p> <p>The Inverter range provides greater efficiency, more comfort. Provides more precise temperature control, without highs and lows, and keeps the ambient temperature constant with lower energy consumption.</p> <p>Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher the SEER ratings mean greater efficiency. Save all the year while cooling!</p>	<p><b>4.0 A+ SCOP</b> HEATING</p> <p><b>Up to 38% energy savings</b> ECONAVI</p> <p><b>Sunlight detection</b> ECONAVI</p> <p><b>Improved comfort</b> AUTOCOMFORT</p> <p><b>Silent air 20 dB</b> SUPER QUIET</p> <p><b>Down to -25 °C in heating mode</b> OUTDOOR HEATING CAPABLE</p>	<p>Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher the SCOP ratings mean greater efficiency. Save all the year while heating!</p> <p>The sensor determines the human activity level and the position in the room and adjust the air flow orientation for maximum comfort and maximum savings.</p> <p>Detects changes in sunlight intensity and judges whether it is sunny or cloudy/night. It reduces the waste of heating under more sunlight conditions.</p> <p>The Autocomfort system detects conditions in the room and switches to energy saving operation when nobody is in the room.</p> <p>With Super Quiet technology our devices are as quiet as a library.</p> <p>The air conditioner works in heat pump mode with an outdoor temperature as low as -25°C.</p>	<p><b>Constant heating</b> HEATCHARGE</p> <p><b>Prevent freezing</b> SUMMER HEAT</p> <p><b>Internet Control Ready</b> INTERNET CONTROL</p> <p><b>Easy control by BMS</b> CONNECTIVITY</p> <p><b>R2</b> R410A</p> <p><b>5 year warranty</b></p>	<p>This innovative, newly developed technology charges heat and uses it for heating. Thanks to this system, you can enjoy incredibly powerful, comfortable air conditioner heating.</p> <p>This innovative technology charges heat and uses it for heating. You can enjoy incredibly powerful, comfortable air conditioner heating.</p> <p>Internet Control is a next generation system providing a user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.</p> <p>The communication part is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.</p> <p>New Panasonic R2 Rotary Compressor Designed to withstand extreme conditions, Panasonic Rotary delivers high performance, efficiency and reliable service, no matter where you are.</p> <p>5 Years Warranty We guarantee the compressors in the entire range for five years.</p>
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**Panasonic**

To find out how Panasonic cares for you, log on to: [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu)

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CE, EUROVENT CERTIFIED PERFORMANCE, ISO 9000 Series Certification, CERTIFIED TO MS ISO 9001:2008, Environment Management Systems Approval, CERTIFIED TO BS ISO 14001:2007



**nanoe-G**

New air conditioners Panasonic with Nanoe-G. Purifies the air, surfaces and even inside itself

Now you can purify living spaces more effectively with Nanoe-G. Using nano-technology fine particles, harmful micro-organisms are removed from the air you breathe. But what about the ones found on furniture and other surfaces? Amazingly, they can also be deactivated by these particles. And now, when you switch off your air conditioner, Nanoe-G will even deactivate the micro-organisms in the filter. So you can enjoy complete peace-of-mind with a living environment that is fresher and cleaner.

**2. AIRBORNE**  
Removes 99% bacteria, viruses and mould in the air.

**3. IN-FILTER DEACTIVATION**  
Deactivates 99% bacteria and viruses trapped in the filter.

**1. ADHESIVE**  
Deactivates 99% bacteria, viruses and inhibits mould growth on surfaces.

Natural Ion Wind spreads Nanoe-G fine particles that are released from the Nanoe-G generator.

Nanoe-G catches micro-organisms.

3 trillion\* Nanoe-G fine particles released from the 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 (13m³:100k/cc calculated number of Nanoe-G fine particles in the entire room assuming they are evenly distributed).

**SEASONAL EFFICIENCY PRODUCT FOLLOWS THE NEW ECODSIGN REQUIREMENTS**

Economical, environment-friendly operation high SCOP (Seasonal Coefficient of Performance)

Original Panasonic Inverter technology and a high-performance compressor provide top-class operating efficiency. This lets you enjoy lower electricity bills while contributing to environmental protection.

SCOP A+ SCOP A+++

**ETHEREA** **6.7 A++ SEER** **4.3 A+ SCOP** **8.6 A+++ SEER** **5.4 A+++ SCOP** **heatcharge**

1kW → 1kW → 4.0 kW → 5.40 kW

\* SCOP On heating mode, XE/E9-NKE compared with electrical heaters at +7°C

\* SCOP On heating mode for VE9-NKE compared with electrical heaters at +7°C

