

**DISCLAIMER (\*)**  
**AIR CONDITIONER 2015**



\* Comparison of 1.5HP PREMIUM Inverter with iAUTO-X mode and Standard non-Inverter model with cooling mode  
PREMIUM Inverter: iAUTO-X Mode

iAUTO-X Mode, Outside Temperature: 35°C / 24°C

Remote setting temperature: 25°C with Fan Speed: Auto

Horizontal Airflow direction: Auto, Vertical Airflow direction: Straight

Standard non-Inverter: Cooling Mode with High Fan

COOL Mode, Outside Temperature: 35°C / 24°C

Remote setting temperature : 25°C with Fan Speed High

Horizontal Airflow direction: Auto, Vertical Airflow direction: Straight

The time to reach the setting temperature was measured at Panasonic Amenity Room (size: 16.6m<sup>2</sup>)

The effect differs according to conditions in installation and usage..



\* Comparison of 1.5HP Inverter model with ECONAVI (with Dual Human Activity Sensor, Sunlight Sensor, and Temperature Wave) ON and 1.5HP Standard non-Inverter (Cooling)

Inverter with ECONAVI:  
 ECONAVI ON, Outside Temperature: 35°C/24°C  
 Remote setting temperature: 25°C with Fan Speed (High)  
 Vertical Airflow direction: Auto, Horizontal Airflow direction: ECONAVI mode  
 Setting temperature goes up 2°C in total, 1°C controlled by ECONAVI activity level detection and another 1°C controlled by ECONAVI light intensity detection.  
 Temperature Wave is ON

Standard Non-Inverter without ECONAVI:  
 Outside Temperature: 35°C/24°C  
 Remote setting temperature: 25°C with Fan Speed (High)  
 Vertical Airflow direction: Auto, Horizontal Airflow direction: Front  
 Total power consumption amount is measured for 2 hours under stable operation. At Panasonic Amenity Room (size: 16.6m<sup>2</sup>)  
 This is the maximum energy saving value, and the effect differs according to conditions in installation and usage.

ECONAVI + Inverter saves the energy in  
 1 hour equivalent to



\*<sup>1</sup> Comparison of 1.5HP Inverter model with ECONAVI (with Dual Human Activity Sensor, Sunlight Sensor, and Temperature Wave) ON and 1.5HP Standard non-Inverter (Cooling). Total hours may vary depending on product availability, model name and specifications in different countries or regions.



\* Comparison of 1.5HP Non-Inverter model between ECONAVI with dual sensor ON and OFF (Cooling)  
 ECONAVI dual sensor ON, Outside Temperature: 35°C/24°C  
 Remote setting temperature: 23°C with Fan Speed (High)  
 Vertical Airflow direction: Auto, Horizontal Airflow direction: ECONAVI mode  
 Setting temperature goes up 2°C in total, 1°C controlled by ECONAVI activity level detection and another 1°C controlled by ECONAVI light intensity detection.

ECONAVI dual sensor OFF, Outside Temperature: 35°C/24°C  
 Remote setting temperature: 23°C with Fan Speed (High)  
 Vertical Airflow direction: Auto, Horizontal Airflow direction: Front

Total power consumption amount is measured for 1 hour under stable operation. At Panasonic Amenity Room (size: 16.6m<sup>2</sup>)  
 This is the maximum energy saving value, and the effect differs according to conditions in installation and usage

ECONAVI saves the energy in 1 hour equivalent to



or



or



2 HOURS\*<sup>1</sup>

3,5 HOURS\*<sup>1</sup>

45 HOURS\*<sup>1</sup>

\*<sup>1</sup> Comparison of 1.5HP Non-Inverter model between ECONAVI with dual sensor ON and OFF (Cooling).  
 Total hours may vary depending on product availability, model name and specifications in different countries or regions.



Removes 99%\*<sup>1</sup> of PM2.5

Removes 99%\*<sup>2</sup> airborne particles

Deactivates 99%\*<sup>3</sup> adhesive micro-organisms

Deactivates 99%\*<sup>4</sup> bacteria and viruses in filter

1.

## AIRBORNE

Removal of airborne  
particles



**\*1** PM2.5 Removal was certified by FCG Research Institute, Inc

- Test Report no. : 25034

PM2.5 : Cigarette Smoke (as PM2.5)

Effectiveness is measured on 0.3µm-2.5µm. (Specific size only)

This removal effect is not proven for all the airborne toxic substances.

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

**\*2** Airborne Removal was certified by Kitasato Research Center for Environmental Science

- KRCEs-Bio. Test Report no. : 23\_0182

Bacteria : Staphylococcus aureus (NBRC 12732)

- KRCEs-Env. Test Report no. : 22\_0008

Virus : Escherichia coli phage (øX-174 ATCC 13706-B1)

: Influenza (H1N1) 2009 Virus

- KRCEs-Env. Test Report no. : 23\_0140

Mould : Penicillium pinophilum (NBRC 6345)

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

2. ADHESIVE  
Deactivates adhesive  
micro-organisms



**\*3** Adhesive Deactivation was certified by Japan Food Research Laboratories

- Test Report number : 11047933001-02

Bacteria : *Staphylococcus aureus* (NBRC 12732)

- Test Report number : 11073649001-02

Virus : Bacteriophage (Phi X 174 NBRC 103405)

- Test Report number : 11047937001-02

Mould : *Cladosporium cladosporioides* (NBRC 6348)

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

### 3. IN-FILTER DEACTIVATION



\*4 In-Filter Deactivation was certified by Japan Food Research Laboratories

- Test Report number : 12037932001

Bacteria : *Staphylococcus aureus* (NBRC 12732)

- Test Report number : 12014705001

Virus : *Escherichia coli phage* ( $\phi$ X-174 ATCC 13706-B1)

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

In-Filter Deactivation was certified by Kitasato Research Center for Environmental Science

- Test Report number : KRCES-Virus Test Report No. 24\_0013

Virus : Influenza (H1N1) 2009 Virus

All results are based on specific testing conditions.

All tests are not demonstrated under actual usage situation.

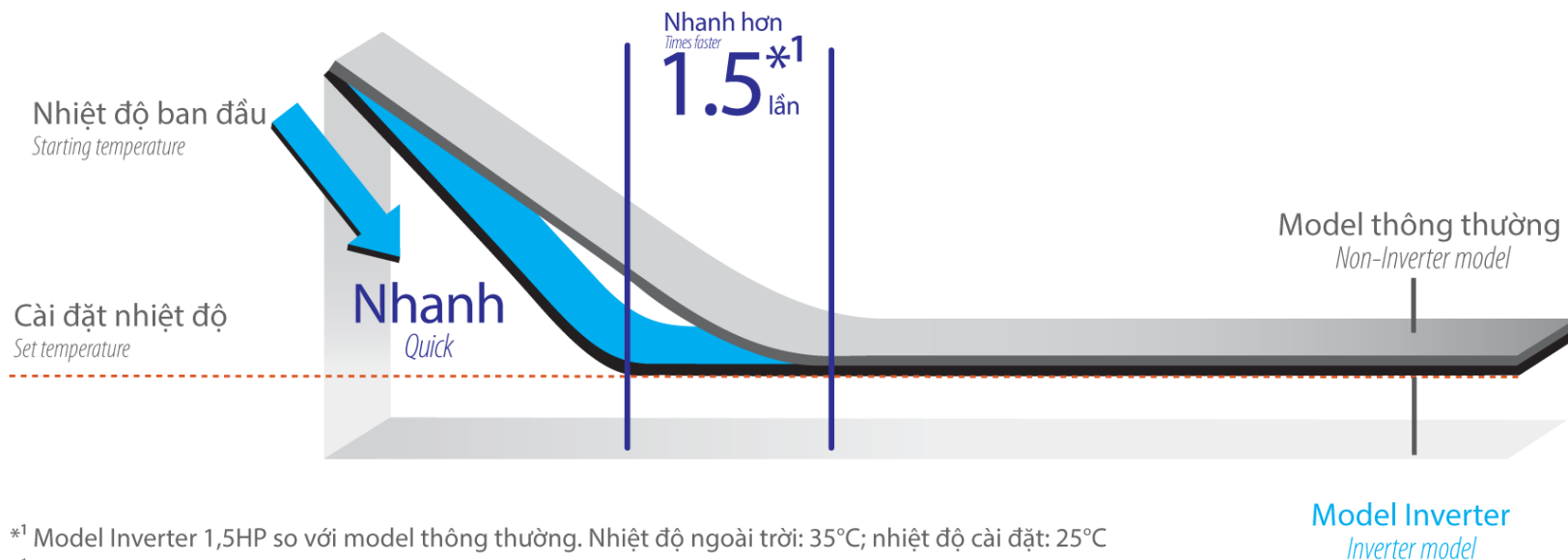


3 trillion\* nanoe-G fine particles released from the generator.

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 (13m<sup>2</sup>): 100k/cc calculated number of nanoe-G fine particles in the entire room assuming they are evenly distributed.

## So sánh tốc độ làm lạnh / Comparison of Cooling Speed



\*<sup>1</sup> 1.5HP Inverter vs. Non-Inverter. Outside room temperature: 35°C; setting temperature 25°C



**\* Comparison of 1.5HP standard non-Inverter model with iAuto mode and cooling mode**

iAuto Mode

iAuto Mode, Outside Temperature: 35°C /24°C

Remote setting temperature: 25°C with Fan Speed: Auto

Vertical Airflow direction: Middle, Horizontal Airflow direction: Straight

Cooling Mode with High Fan

COOL Mode, Outside Temperature: 35°C /24°C

Remote setting temperature : 25°C with Fan Speed (High)

Vertical Airflow direction: Middle, Horizontal Airflow direction: Straight

**The cooling speed was calculated by measuring the time to reach the setting temperature. At**

**Panasonic Amenity Room (size: 16.6m<sup>2</sup>)**

**The effect differs according to conditions in installation and usage.**