

New Air Conditioner

A3050



2013. NOV
Air conditioner PM

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- 1. Triangle Design**
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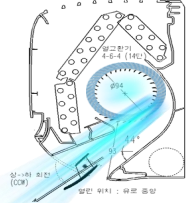
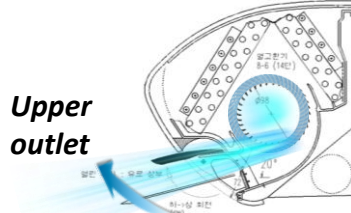
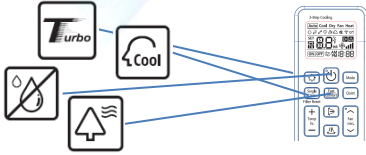




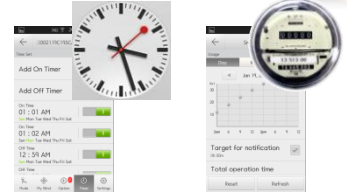


III. Additional Features

- 1. Double Virus Doctor**
- 2. Easy & Smart Installation**
- 3. Silence**

IV. Line-up

Project Overview

What is upgraded?

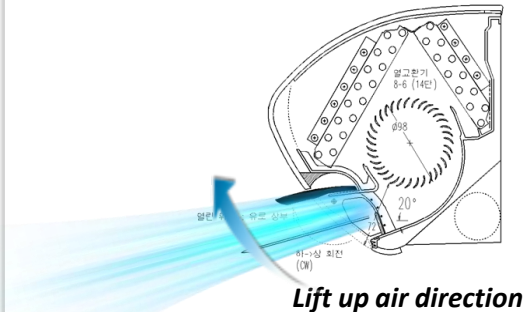
	Basic		A3050	
Design (Outside)		Conventional Design		New Triangle Design
Design (Inside)		Conventional Structure (No difference)	 Upper outlet	Higher Outlet New Blade Bigger Fan
Cooling Performance		Separate Operation mode		2 Step Cooling (Make the best air conditioning automatically)
Energy Saving		Digital Inverter (Auto Capacity)		Single User Mode (Auto + Manual Capacity)
Smart Function		Basic control by Smart Wi-Fi		Advanced Smart Control
Installation	 Lift up!!	Inconvenient to install	 Slide hanger plate	Easy Installation

A3050 Key POD

A3050 is an all-new, innovative air-conditioner featuring “Triangle Design”, “Digital Inverter” and “Smart Wi-Fi”, which make more comfortable environment with less energy.

Triangle Design

- Entirely New Design for Powerful Performance



Wider Air Intake



Digital Inverter

- Digital Inverter technology with Energy Saving & Comfort Care

1) 2 Step Cooling



2) Single User Mode



Smart Wi-Fi

- Take control from wherever you are



Triangle Design

Design for Performance

TRIANGLE DESIGN
IMAGE DESIGN

- All-new, innovative design for more powerful cooling performance



Faster

Farther

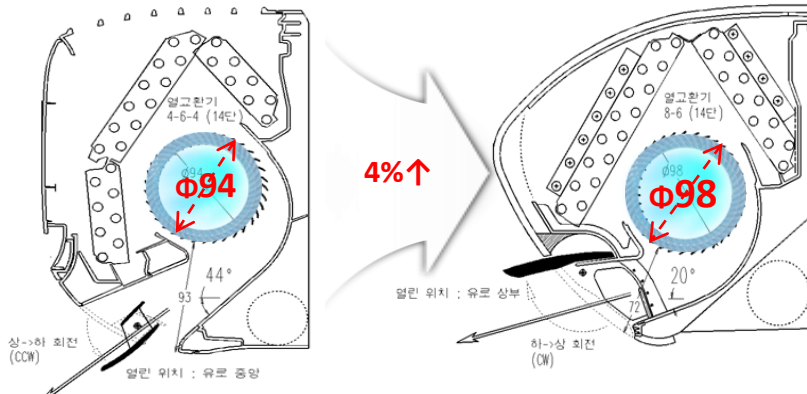
Wider

Enlarged Fan & Intake for powerful cooling

TRIANGLE DESIGN
IMAGE DESIGN

- Making stronger air-flow with bigger fan and intake

Enlarged Fan Size



Conventional

A3050



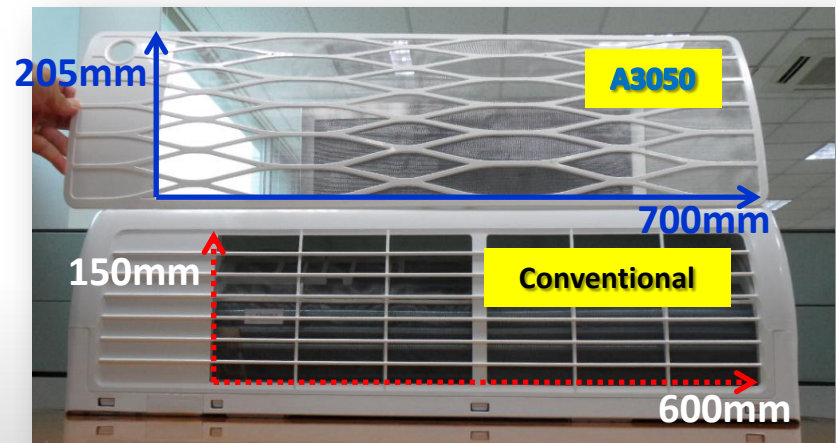
Enlarged Fan size
for **Longer** Air-flow

Wider Intake



60% Wider Intake

to increase **Discharging Air-volume**



Larger Blade for powerful cooling

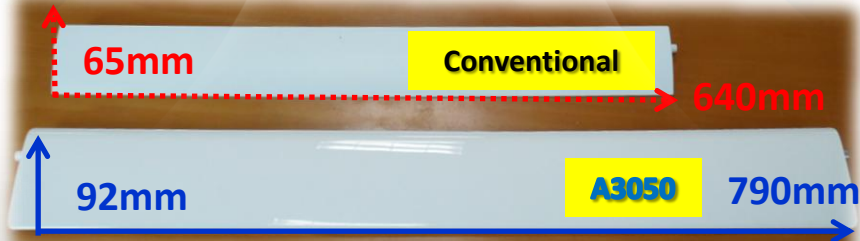
- Making stronger air-flow with improved blade

Horizontal Blade



38% larger blade

to distribute **powerful cool-air**



Vertical Blade

Increased number of V blade

for more elaborate wind control



Conventional

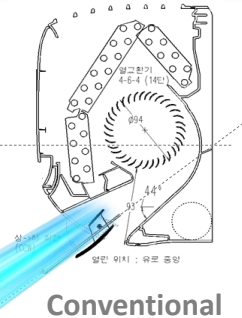


A3050

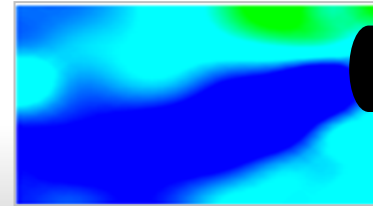


Cooling

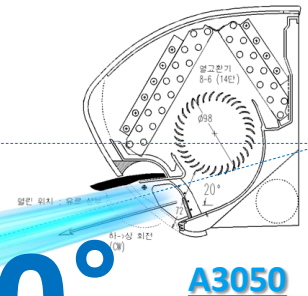
44°



Higher Outlet Angle enables 14M Long Airflow



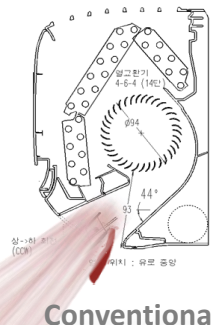
20°



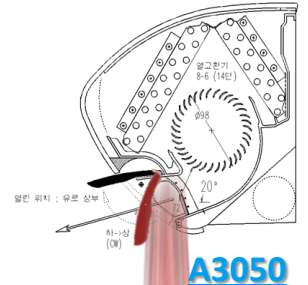
Heating



Opening Blade Down-ward

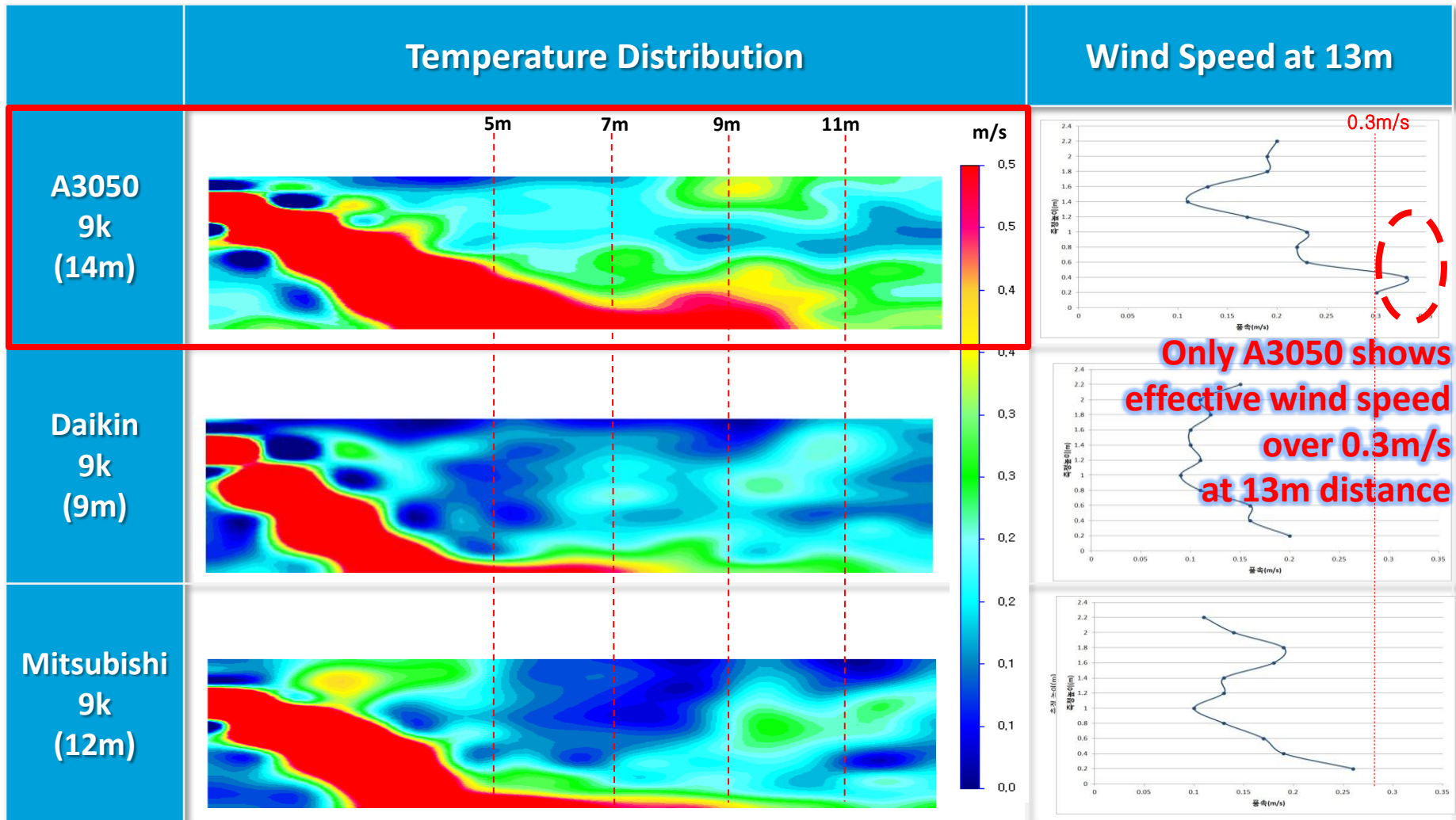


Opening Blade **Up-ward**
to facilitate **Even Heat Distribution**



Test result of Long-wind & Air-distribution TRIANGLE DESIGN

- Strong wind reaching the longest distances up to 14M



**Only A3050 shows
effective wind speed
over 0.3m/s
at 13m distance**

Digital Inverter

Advanced Digital Inverter

DIGITAL INVERTER
DIGITAL INVERTER

saves energy up to **60%** with Top Class EER

Inverter Technology

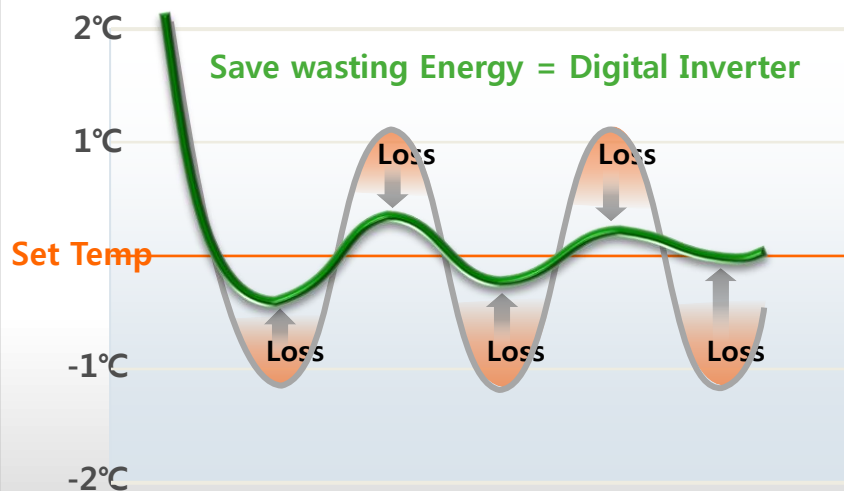
Saving up to 60%

to distribute **powerful cool-air**

60%
Energy
Saving

■ Digital Inverter air conditioner

■ Non-Inverter air conditioner



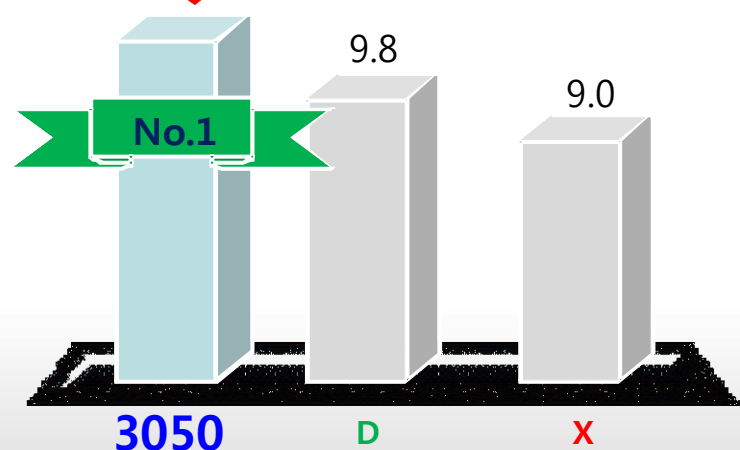
Top Class EER

Top Class EER

for High Efficiency & Saving



10.1

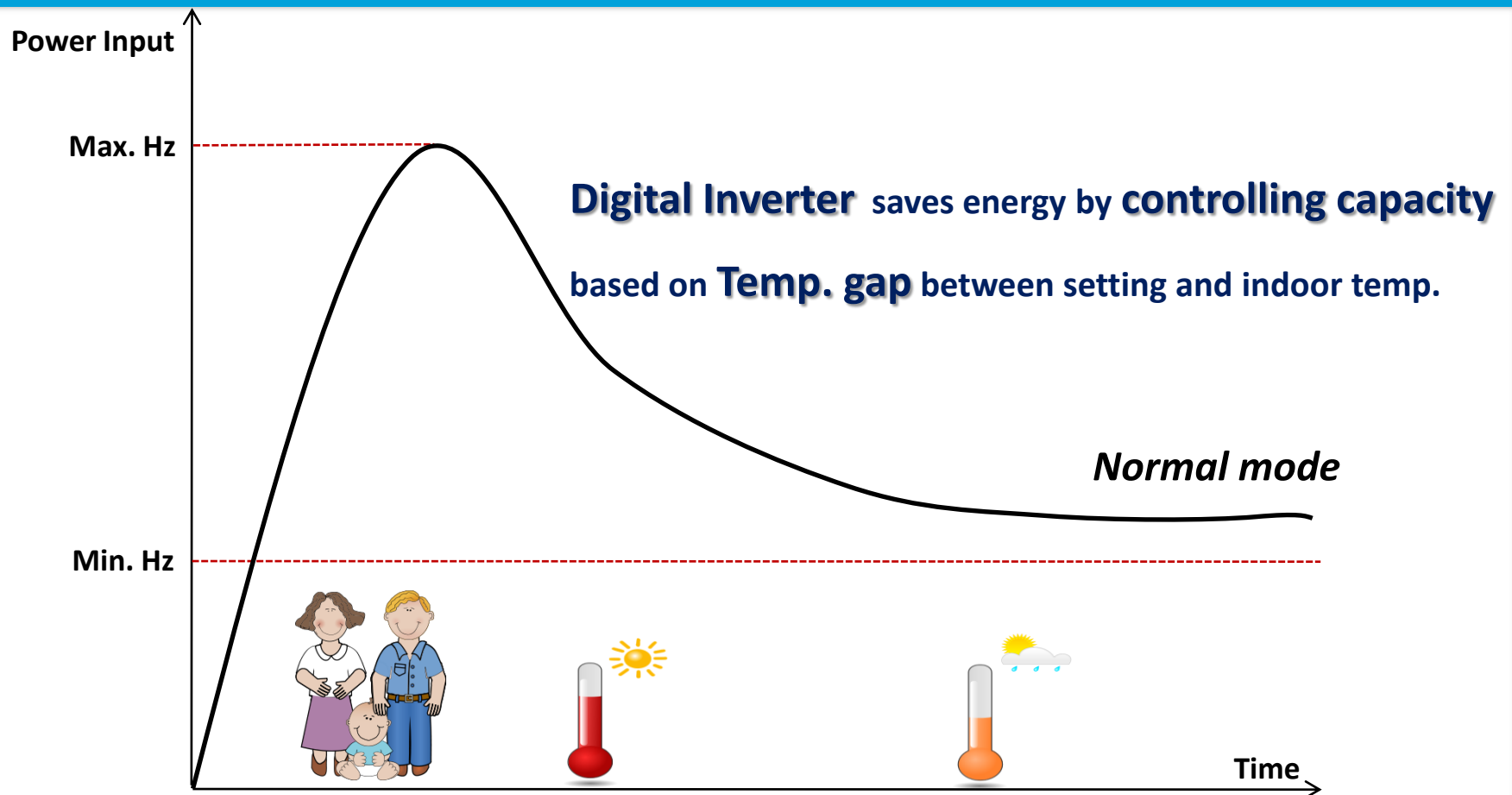


A3050 inverter in Normal Mode

SINGLE USER MODE
214055 025K INODE

saves energy up to **60%** compared to on/off type.

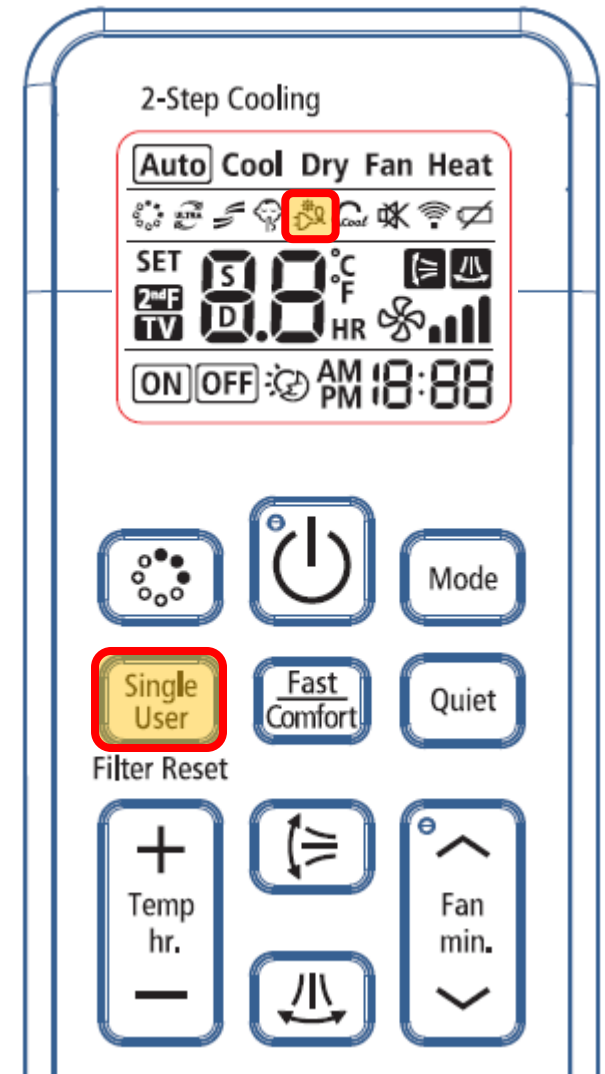
Normal Mode



SINGLE USER MODE



Once you press the button **“Single User Mode”**,
A3050 can save more energy than Normal Inverter

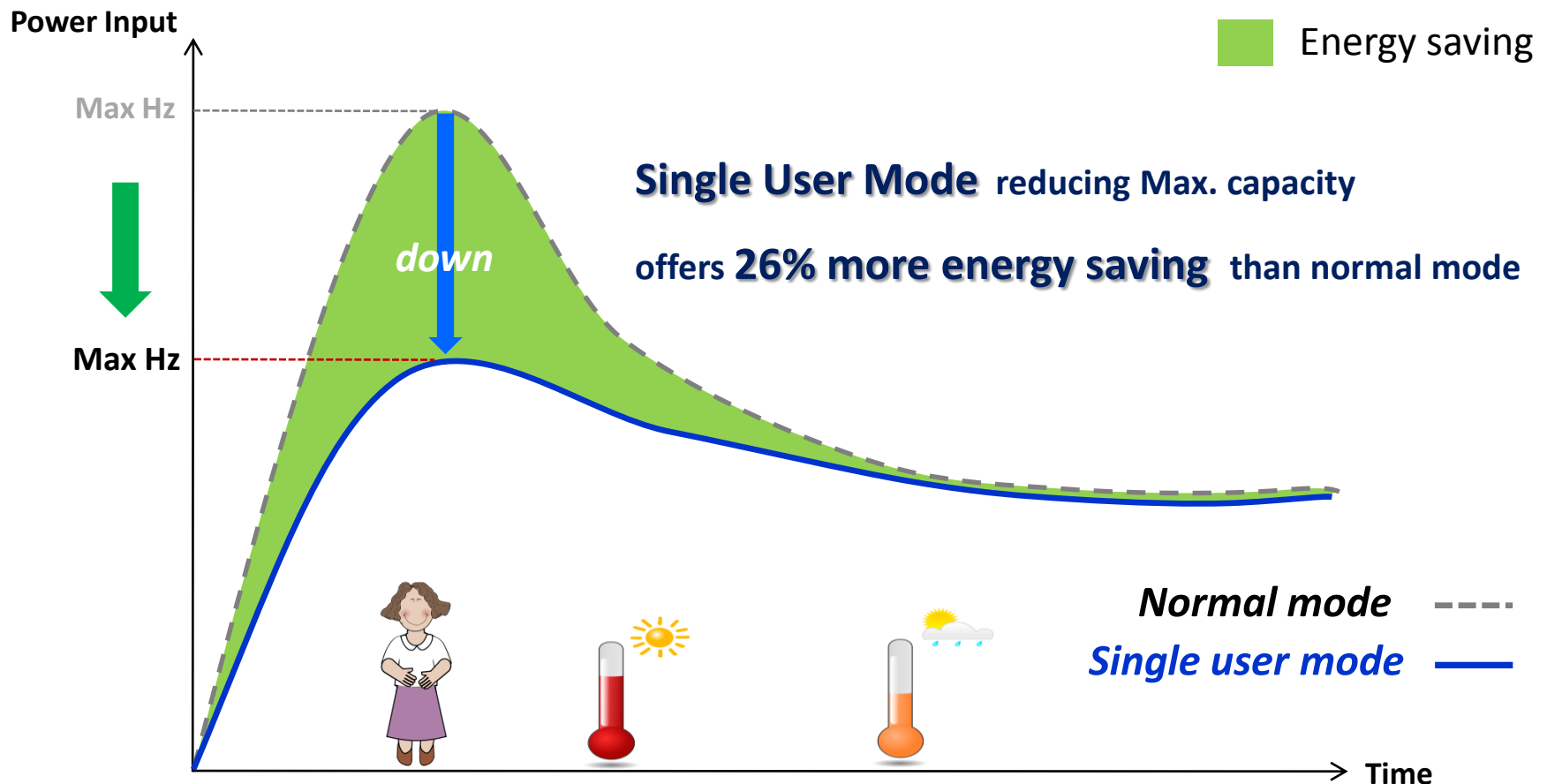


A3050 inverter in Single User Mode

SINGLE USER MODE
214055 025K INODE

proportionally adjusts cooling capacity to fit it on less persons

Single User Mode



A3050 inverter in Single User Mode

SINGLE USER MODE
21465 025K INODE

proportionally adjusts cooling capacity to fit it on less persons

Single User Mode

Accumulated
Power(Wh)

1000

800

600

400

200

0

0.0

30.0

60.0

90.0

120.0

Time (Min)

801Wh

Normal Mode (Inverter)

Single User Mode

593Wh

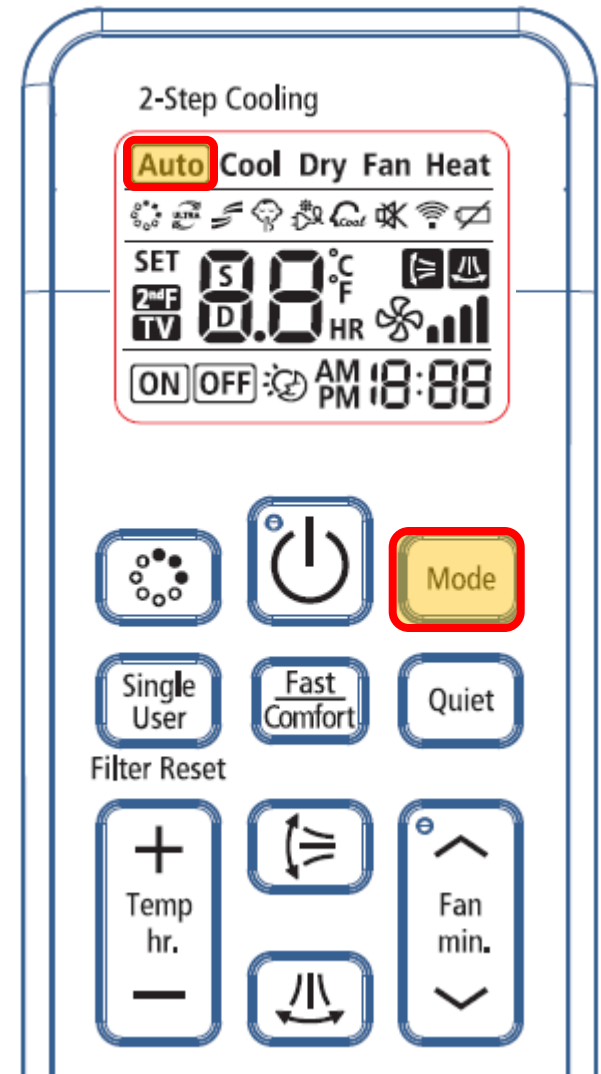
26% MORE SAVING!

※Internal Test Result (9K)

2 STEP COOLING



Enjoy Pleasant Breeze, stay Comfortable



Fast Cool

2 STEP COOLING
5.2155 COOLING

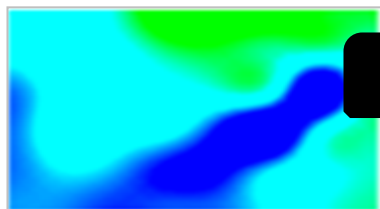


When **TOO HOT**

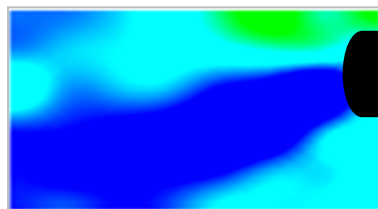


Operating in Maximum speed

Reducing cooling time
up to 15 min. (33°C→25°C)



Conventional



A3050



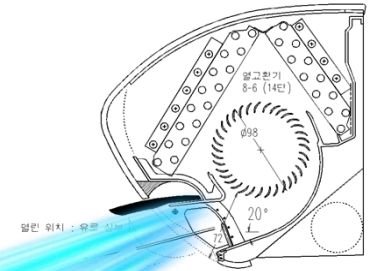
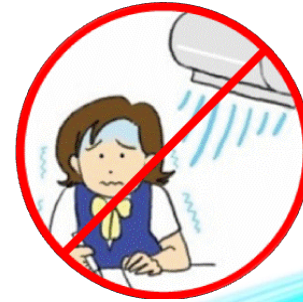
Comfort Cool



Before **TOO COLD**

Adjusting blade angle **Higher**
to give Indirect wind

2 STEP COOLING



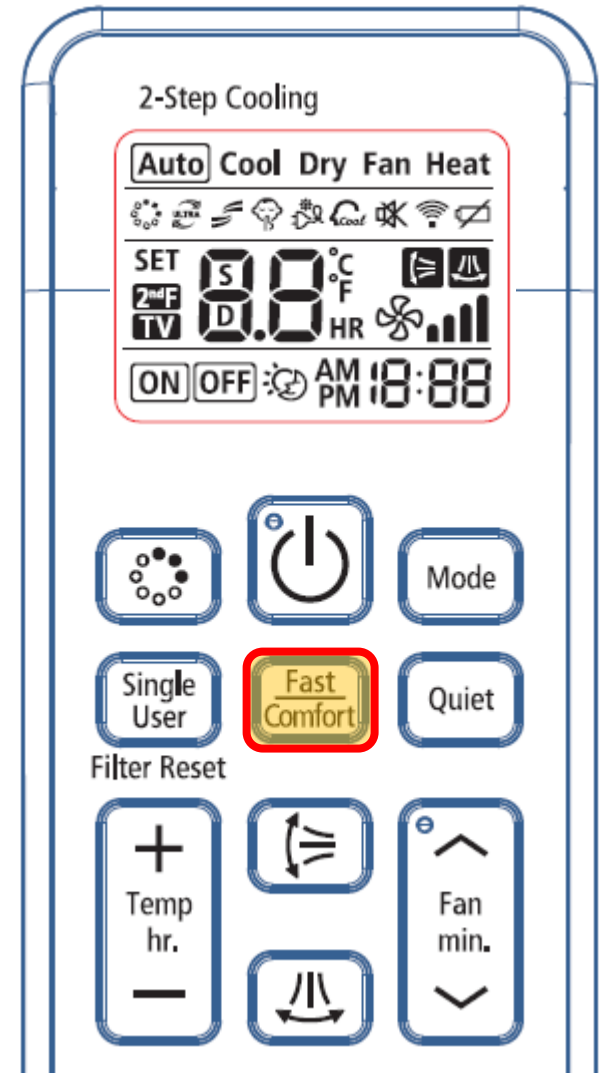
Reducing air-flow speed





Fast Cool

2 STEP COOLING (INDIVIDUALLY)



Comfort Cool



2 Step Cooling for more comfortable environment

2 STEP COOLING (INDIVIDUALLY)

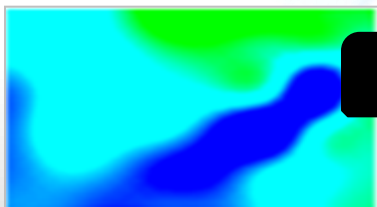
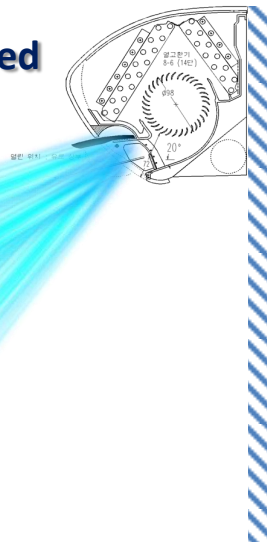
- Both Fast & Comfort cool are possible to operate individually

Fast Cool

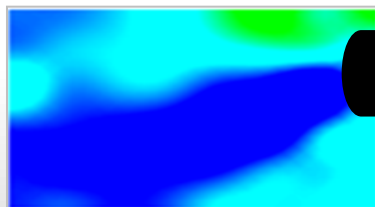
Operating in maximum speed

Reducing cooling time

up to 15 min. (33°C→25°C)



Conventional



A3050

Comfort Cool

Reducing air-flow speed

Adjusting blade angle

higher to give indirect wind

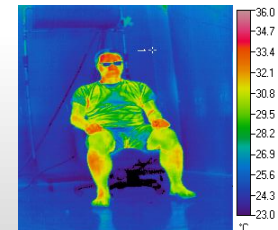


<Test result>

Direct air (Shivering)



A3050 "Comfort cool"
(Not shivering!!)



Smart Wi-Fi

SMART CONTROL
214741 1041405

Make Life Smarter

“SMART Wi-Fi”

**More convenience at your fingertips
with Wi-Fi (for BEST and BETTER
models)**



Cool home before you get there



Forgot it when leaving home



Control and check Power Consumption

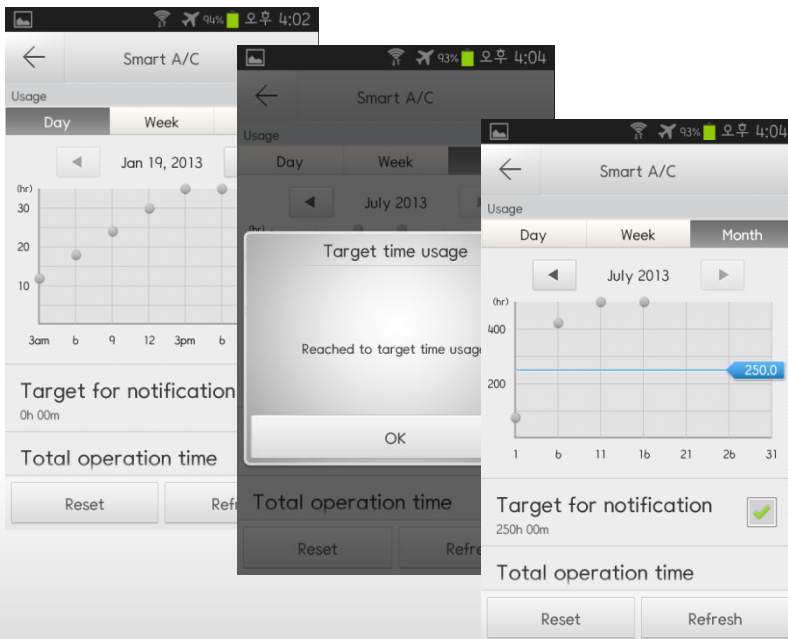


A3050 can check and show your Usage of Air conditioner to control Electricity Bill.

Power Consumption Display (for Inverter)

Consumer can check

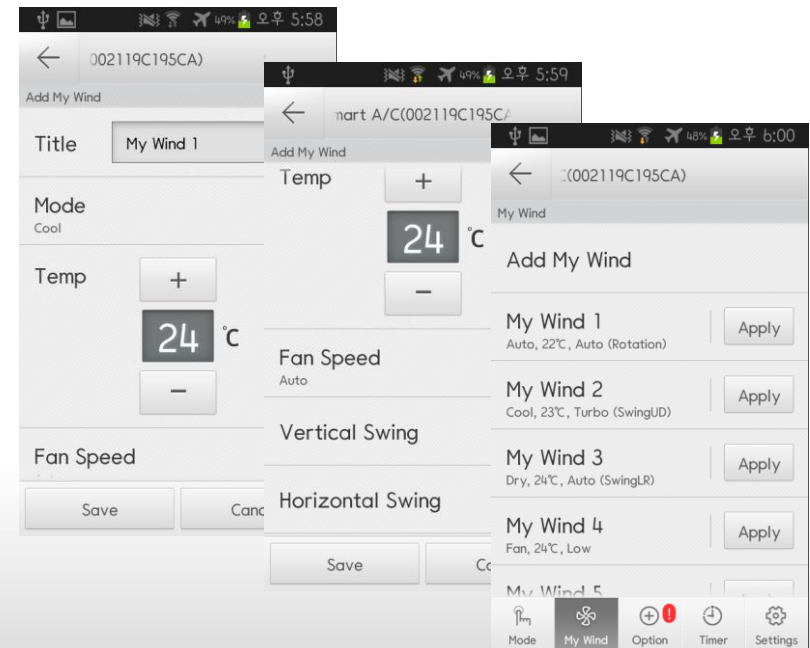
Power Consumption (Accum. Every 3hrs)
and make **Usage Limitation**



My Wind (Preference Operation)

My Wind can save

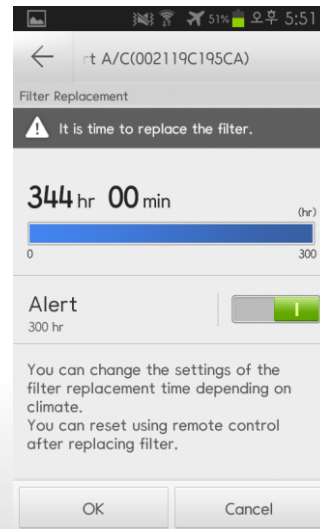
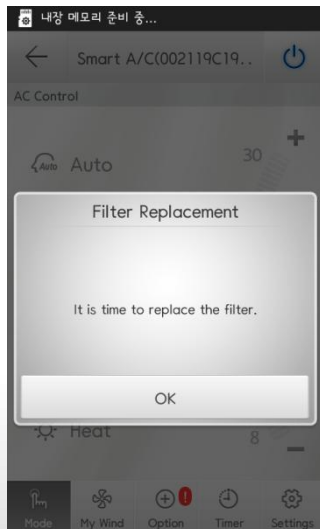
Personal Setting (Mode, Temp, Fan, Swing)
Up to 10EA



A3050 can help Maintenance and SVC of Air conditioner.

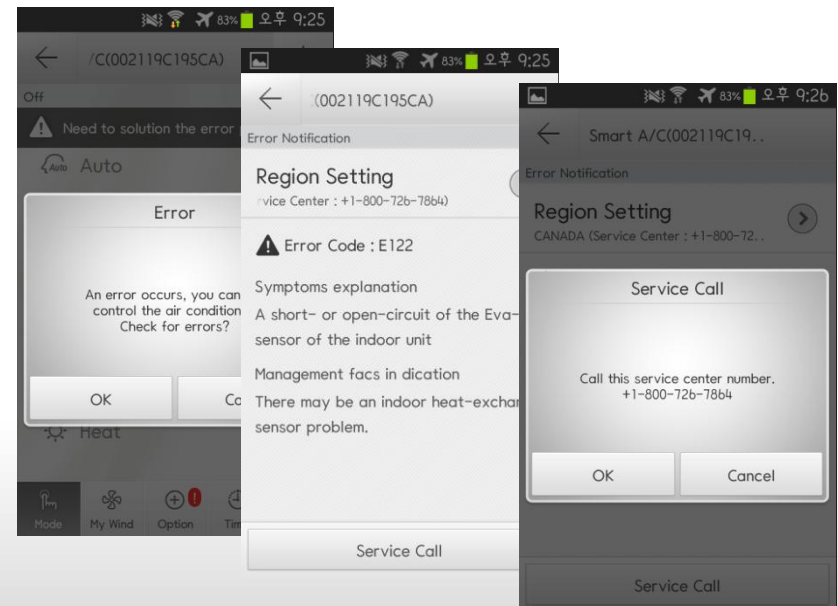
Filter Cleaning Indicator

Filter indicator also shows
Filter Cleaning Info
 by Pop-up message & alarm



Smart Service

Smart service shows
the error info also it offers
Service Center Number



Additional Features

Additional Feature

DOUBLE VIRUS CARE - 3 CARE FILTER

A3050's new filter makes more clean air by 3 care coating.

3 care filter is coated by **"Anti - Bacteria / Anti - Allergy / Anti - Virus"** material.

<Certification>



Anti-bacteria



Anti-Virus



Anti-Allergy



Additional Feature

You can easily clean the filter with less effort

DOUBLE VIRUS CARE
- EASY FILTER

Conventional

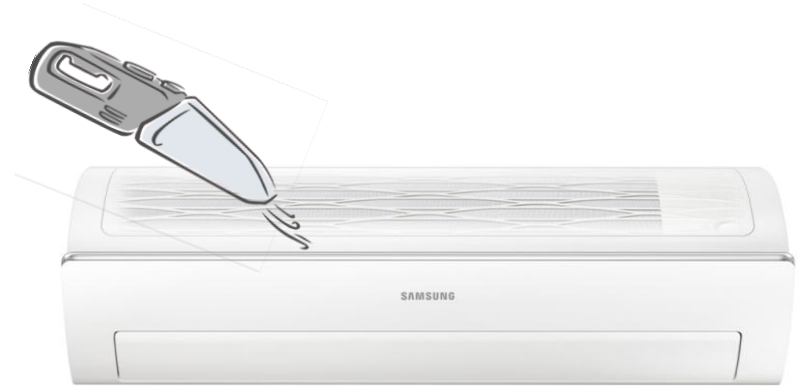


Step1.
Open the grille



Step2.
Take out the filter

Easy Filter



You can use vacuum cleaner



Easily take out!

Additional Feature

Virus Doctor eliminates the air-born virus and allergy by emitting active hydrogen and oxygen ions

DOUBLE VIRUS CARE - VIRUS DOCTOR



Complete bacteria eradication



Eliminates allergens



Neutralizes active oxygen radicals



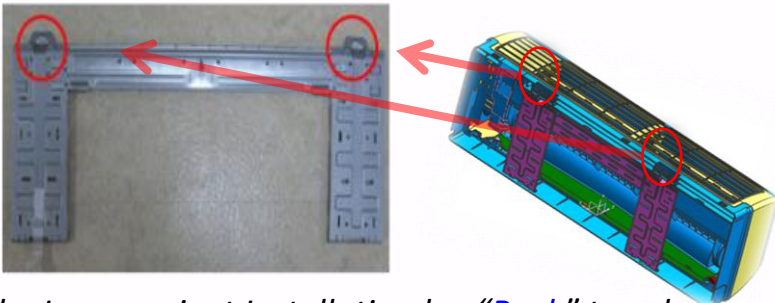
Eliminates Swine Influenza A(H1N1)

Additional Feature

EASY INSTALLATION

Secure the easy Installation of Indoor unit and pipe connection

Conventional



The Inconvenient Installation by "Rack" type hanger

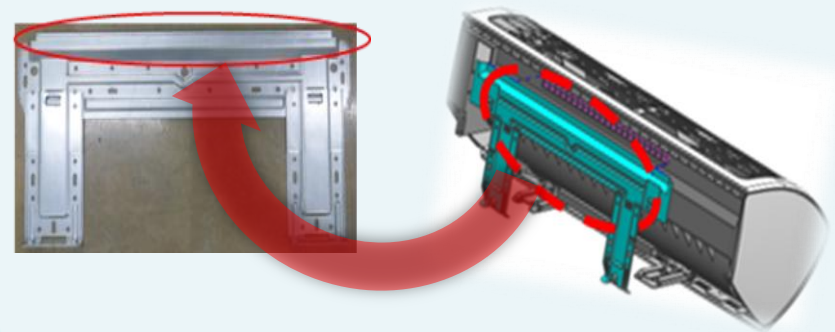
→ Need to fit the indoor unit and Plate hanger!!



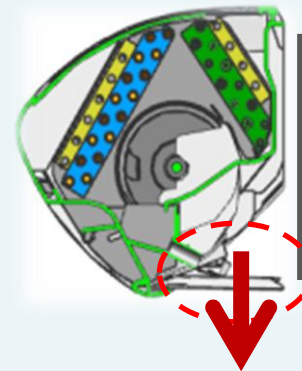
To install or repair the pipe,
Indoor unit is lifted up and hold by hand or something

→ Inconvenient!!

SAMSUNG



Install easily by EZ hanger !!



Connect Wire & pipe easily
by EZ Bottom Cover !!



① Open



② Connect Wire



③ Connect Pipe

Additional Feature

SMART INSTALLATION

A3050 get the confidence that it's perfectly Installed.

Conventional

Step 1 : Connect Pipe/Wire → Check refrigerant leak



Step 2 : Check Manually or Not !! **(Inconvenient)**



SAMSUNG

Step 1 : Connect Pipe/Wire → Check refrigerant leak



Step 2 : Check Automatically !!



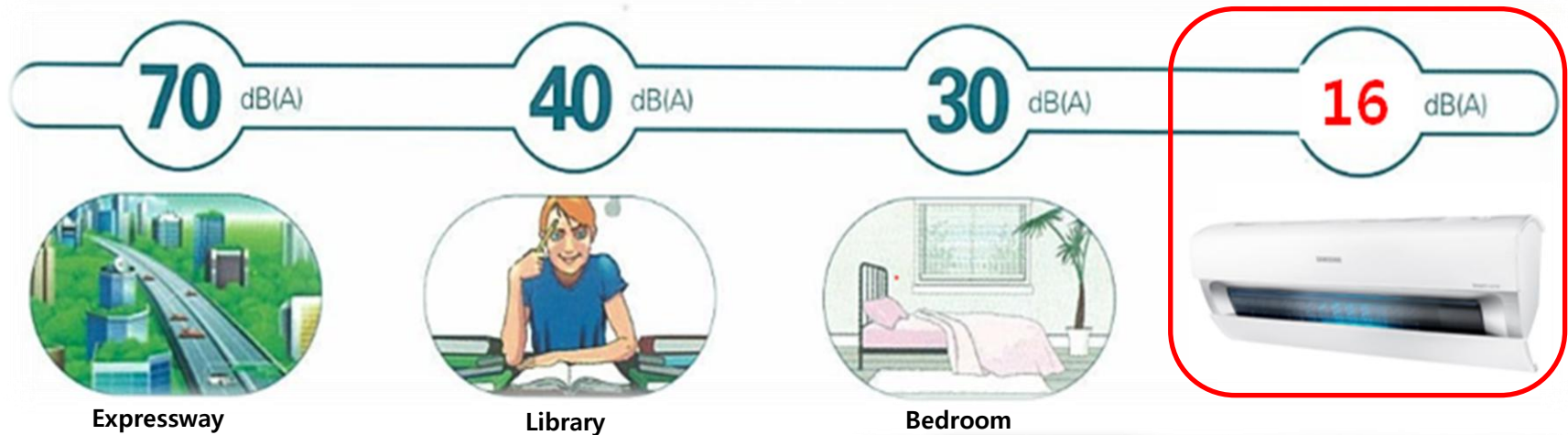
- ✓ Communication in & outdoor
- ✓ Pipe is open or closed
- ✓ Refrigerant flow & Quantity



Additional Feature

SILENCE
SILENCE

A3050 achieve the minimized noise level up to 16dB for Indoor unit.



Only **16dB!**

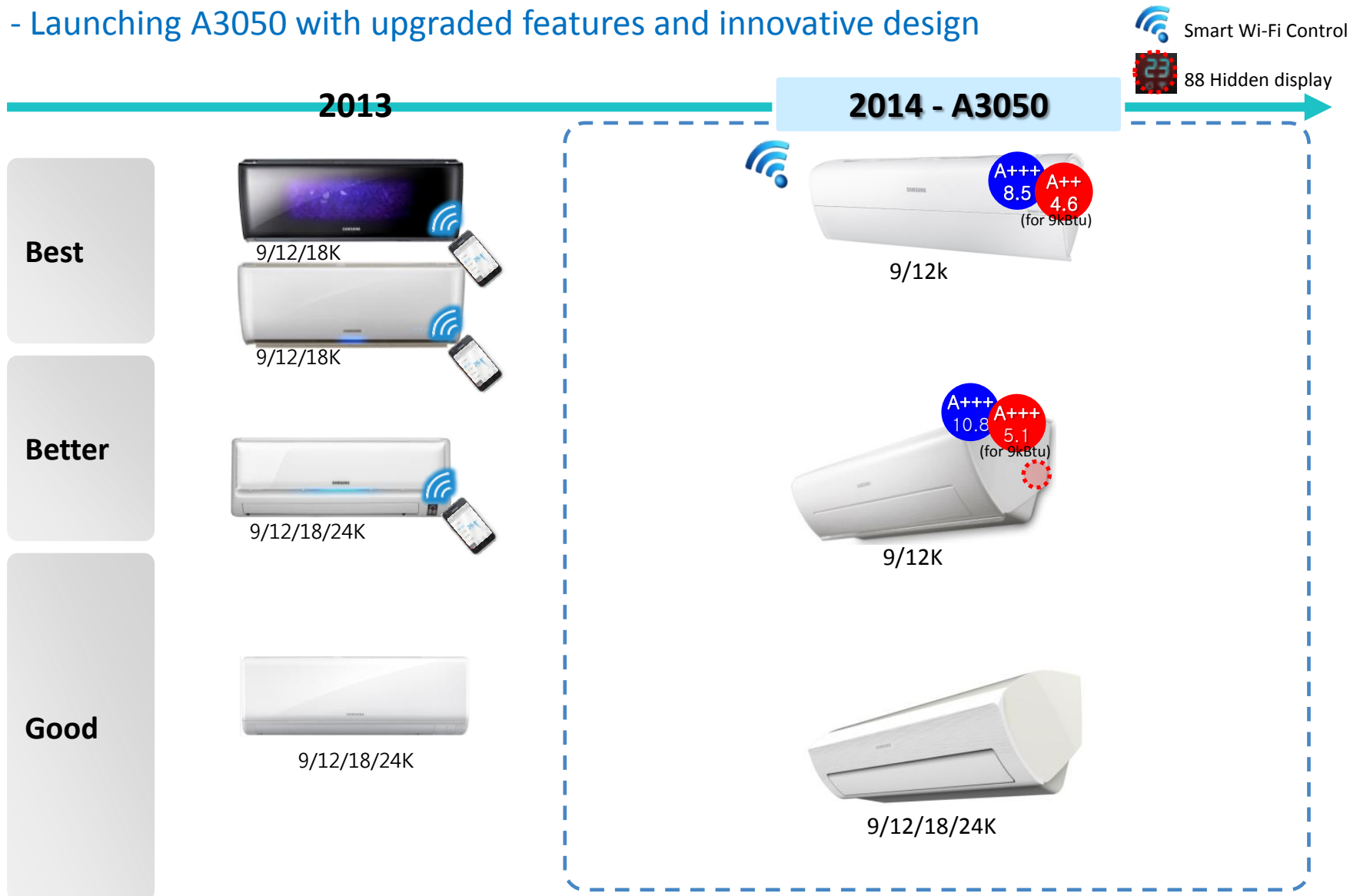


※ Apply to Europe Best-H/Better-H model 9/12kBtu

Line-up

A3050 Line-up Road Map

- Launching A3050 with upgraded features and innovative design





BEST_AR09HSSFAWK*

*Enjoy Smart life
with Smart Air-conditioner*



Key Feature & Benefit

- Triangle Design
- 2-STEP Cooling
- Single User Mode
- Smart Wi-Fi Control 
- Double Virus Doctor
- **Lowest Noise Level (16dB)** 
- Easy Installation

Launching

MAR. '14.

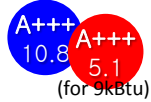

BETTER_AR09HSSDAWK*

Maximize Cooling,

Minimize Cost



Key Feature & Benefit

- Triangle Design
- 2-STEP Cooling
- Single User Mode
- Highest Energy efficiency** (for cooling) 
- Double Virus Doctor
- Lowest Noise Level (16dB)** 
- Easy Installation

Launching

JAN. '14.

GOOD_AR09HSFNCWK*

*Optimal Cooling
with Triangle Design*



Key Feature & Benefit

- Triangle Design
- 2-STEP Cooling
- Single User Mode
- 3-care filter
- Easy Installation

Launching

JAN. '14.

3. Product Information

9K

			BEST	BETTER	GOOD
SAVING	Energy Efficiency	cooling	8.5 / A+++	10.8 / A+++	5.6 / A+
		Heating	4.6 / A++	5.1 / A+++	4.0 / A+
SMART	Power consumption check		✓	-	-
	Wi-Fi		✓	-	-
	Service		✓	✓	✓
COMFORT	Silence		16dB	16dB	-
	Installation		✓	✓	✓
Clean	Virus Doctor		✓	✓	✓
	3 Care filter		✓	✓	✓

			BEST	BETTER	GOOD
SAVING	Energy Efficiency	cooling	6.7 / A++	7.7 / A++	5.6 / A+
		Heating	4.8 / A++	5.1 / A+++	4.0 / A+
SMART	Power consumption check		✓	-	-
	Wi-Fi		✓	-	-
	Service		✓	✓	✓
COMFORT	Silence		16dB	16dB	-
	Installation		✓	✓	✓
Clean	Virus Doctor		✓	✓	-
	3 Care filter		✓	✓	✓

3. Product Information

18K

			<i>BEST (Under Development)</i>	<i>BETTER</i>	<i>GOOD</i>
SAVING	Energy Efficiency	cooling	7.0 / A++	7.0 / A++	6.7 / A++
		Heating	4.0 / A+	4.0 / A+	3.8 / A
SMART	Power consumption check		✓	✓	-
	Wi-Fi		✓	✓	-
	Service		✓	✓	✓
Clean	Virus Doctor		✓	✓	-
	3 Care filter		✓	✓	✓
COMFORT	Silence		-	-	-
	Installation		✓	✓	✓

			BETTER	GOOD
SAVING	Energy Efficiency	cooling	7.0 / A++	7.0 / A++
		Heating	4.0 / A+	3.8 / A
SMART	Power consumption check		✓	-
	Wi-Fi		✓	-
	Service		✓	✓
Clean	Virus Doctor		✓	-
	3 Care filter		✓	✓
COMFORT	Silence		-	-
	Installation		✓	✓