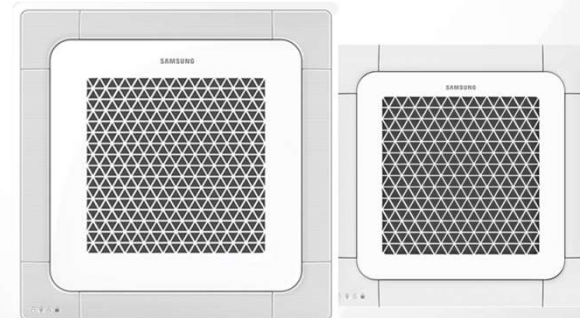


SAMSUNG

System Air Conditioner

Wind-Free™ 4Way, 4Way (600x600) Cassette



2017. 12




System Air Conditioner Wind-Free™ 4Way Cassette

Wind-Free™ Cooling is Samsung's Advanced technology.

The Wind-Free™ Air conditioner pushes air out through thousands of micro holes in the panel, producing a dispersed and gentle flow of air actually defined as “still air” and the key here is all of those holes create a still, cooled air flow that infiltrates the room gently and softly.

Wind-Free™ Air conditioner is also notable for maintaining gentle air flow through the unit to regulate temperatures without adjusting temperature or turning it off.



Contents

01. Background Information

02. Product Feature

- Main Feature
- Additional Feature

03. Sales Strategy



01



Background Information



01. Pain Point

Cold-draft

- 4-Way Cassette needs more improvement in its design and balanced ability to control the space.
- Users are willing to pay for additional devices to avoid cold-drafts → **Opportunity Emerges**
 - ※ Especially, at places where customer comfort is important (hospital) and people stay long period of time (school, library)



Additional Structure to block direct air flow



School



Library



Office

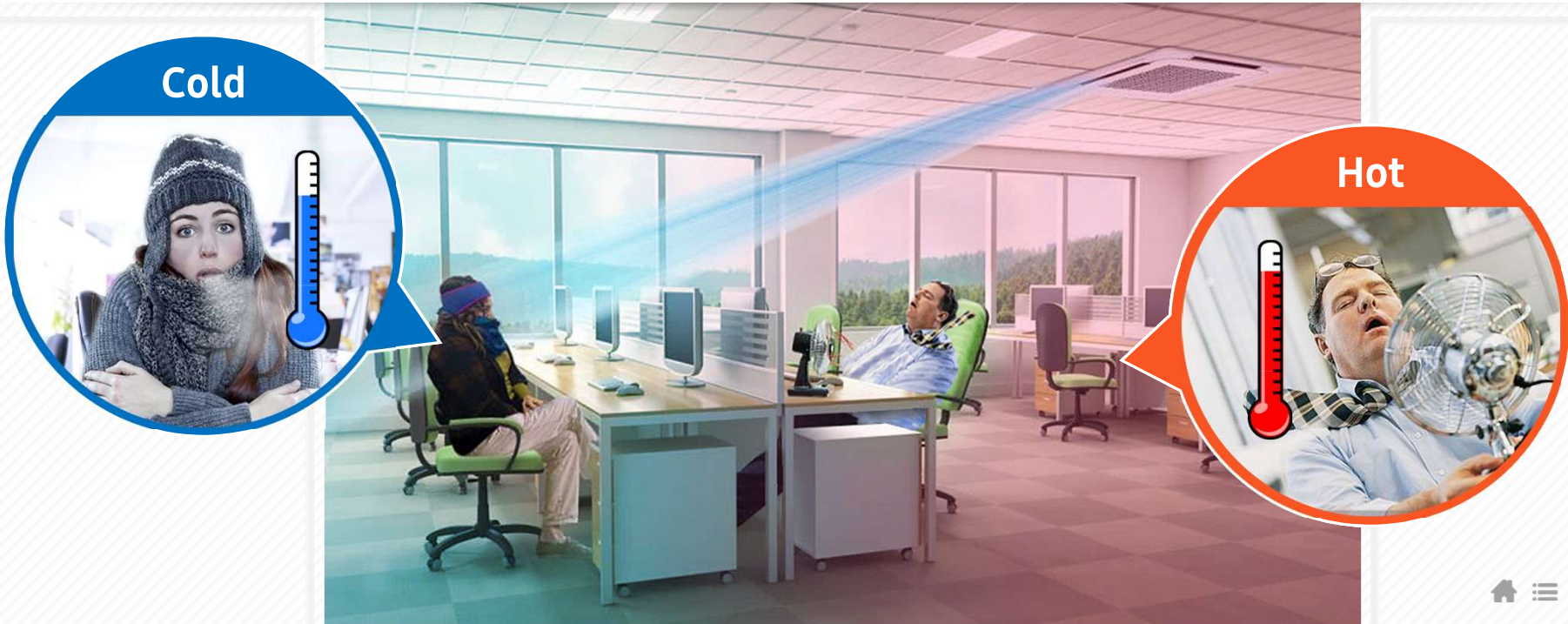


Hospital

01. Pain Point

Uneven Cooling and Heating

- Air flow is **concentrated to certain area**, generating huge gap between people directly exposed to the flow and others who don't.
- Each corner of 4-way cassette is **not directly covered by the unit**, leaving these area to rely on natural convection of conditioned air.



02



Product Feature

- Main Feature
- Additional Feature



Product Feature

“ Innovative Main Features Summary ”

01 Wind-Free™ Cooling

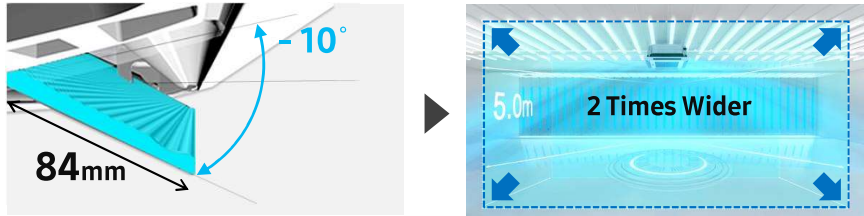
Stay cool, but no cold draft by **Micro Hole**



Micro Holes

02 Big Blade, Long Wind

Wide & Fast cooling by **Big Blade**



84mm

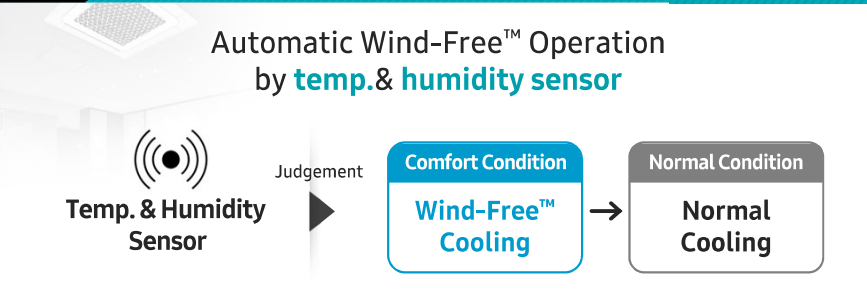
-10°

5.0m

2 Times Wider

03 Smart Comfort Operation

Automatic Wind-Free™ Operation by **temp. & humidity sensor**



Temp. & Humidity Sensor

Judgement

Comfort Condition

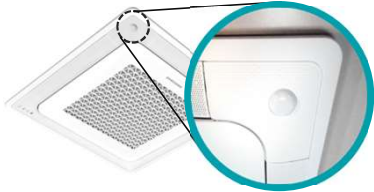
Wind-Free™ Cooling

Normal Condition

Normal Cooling

04 New MDS Operation

Optimized operation & energy saving by **MDS**



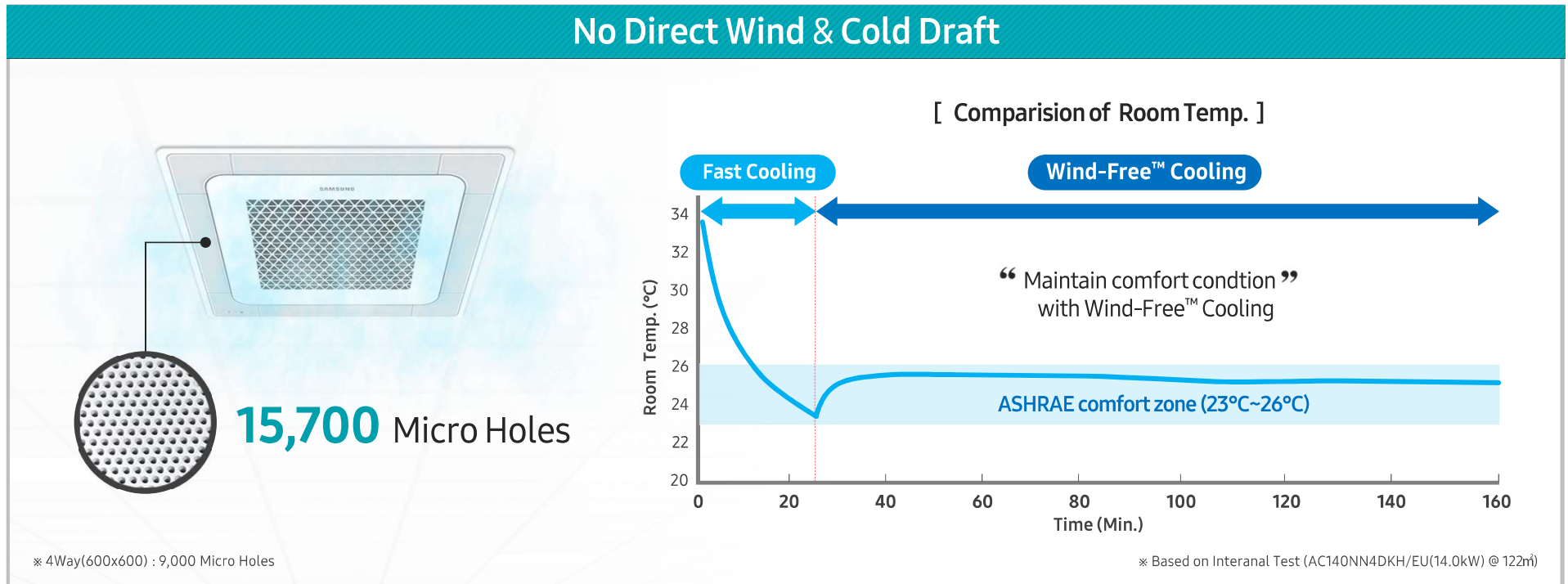
- Direct / Indirect Wind
- Wind-Free™ & On/Off Control during absence

※ MDS : Motion Detect Sensor

01. Wind-Free™ Cooling with Micro holes

- The Wind-Free™ Air conditioner pushes air out through **15,700 micro holes** in the panel, producing a dispersed and gentle flow of air actually defined as “still air” and the key here is all of those holes create a still, cooled air flow that infiltrates the room gently and softly.

※ Still Air condition : According to ASHRAE, If velocity of wind is lower than 0.15m/s, People can not detect wind. And they define that condition is “Still Air”

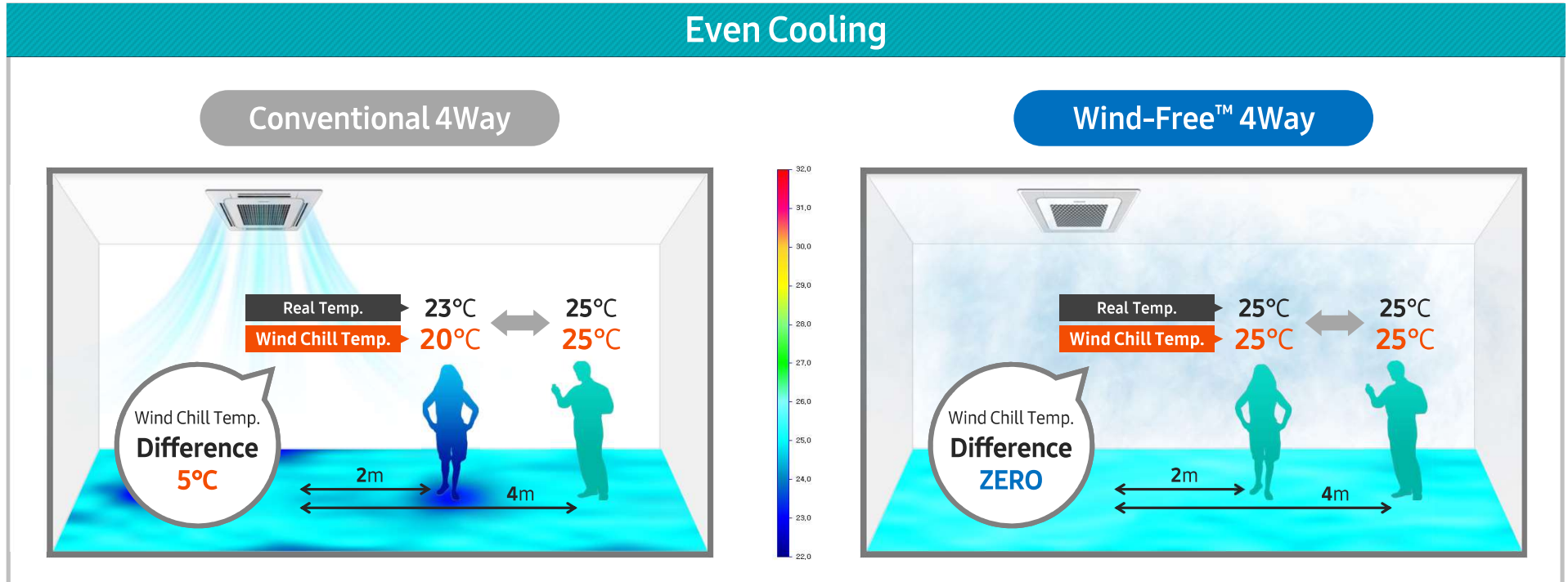


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Even Cooling

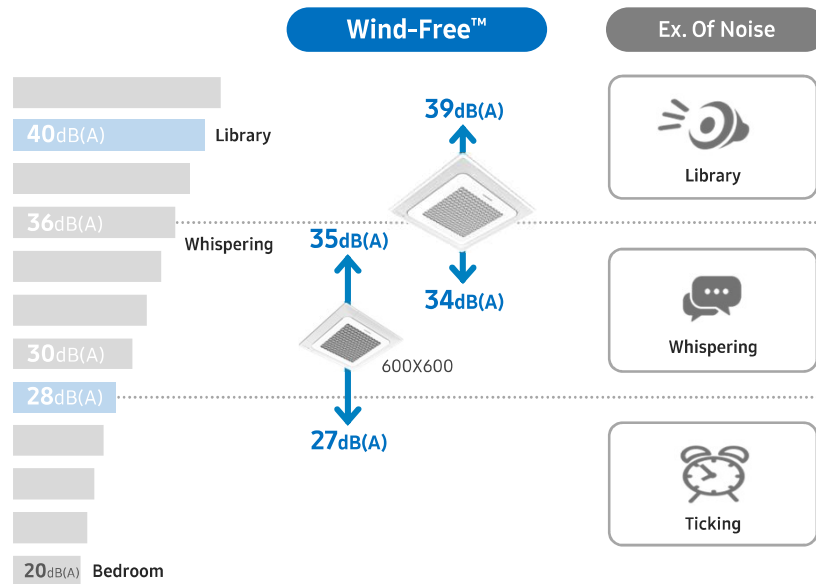


01. Wind-Free™ Cooling with Micro holes

Quiet Operation

“Extremely quiet with Wind-Free™ operation”

[Suitable for office, school, library...]



※ Standard by National Noise Information System

Cost, Energy Saver

“Energy saving with Wind-Free™ operation”



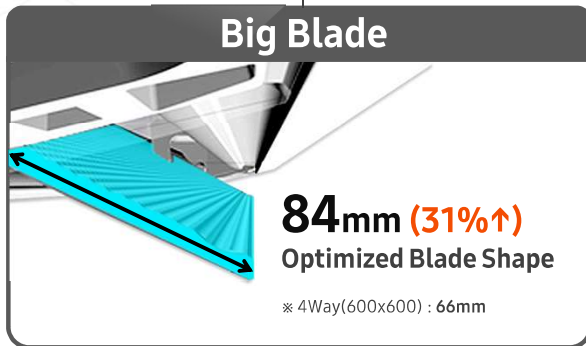
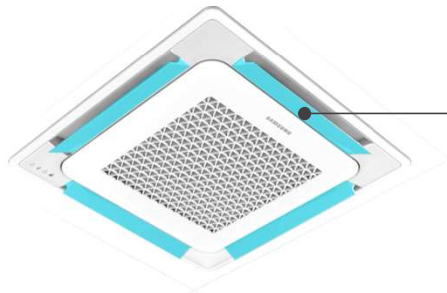
※ Test Condition

- Test model : Wind-Free™ 4Way 14.0 kW
- Temperature : OD 35°C DB / 24°C WB
ID 27°C DB / 19°C WB

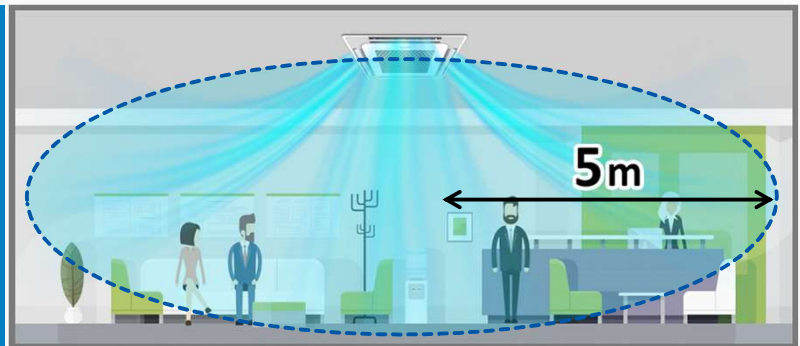
02. Big Blade, Long Wind

- Big and optimized blades enable **wider cooling range**.

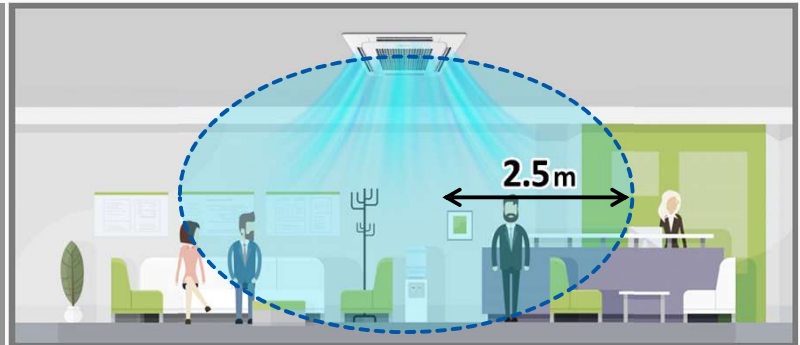
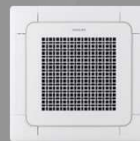
Wider Cooling Range



Wind-Free™
4Way

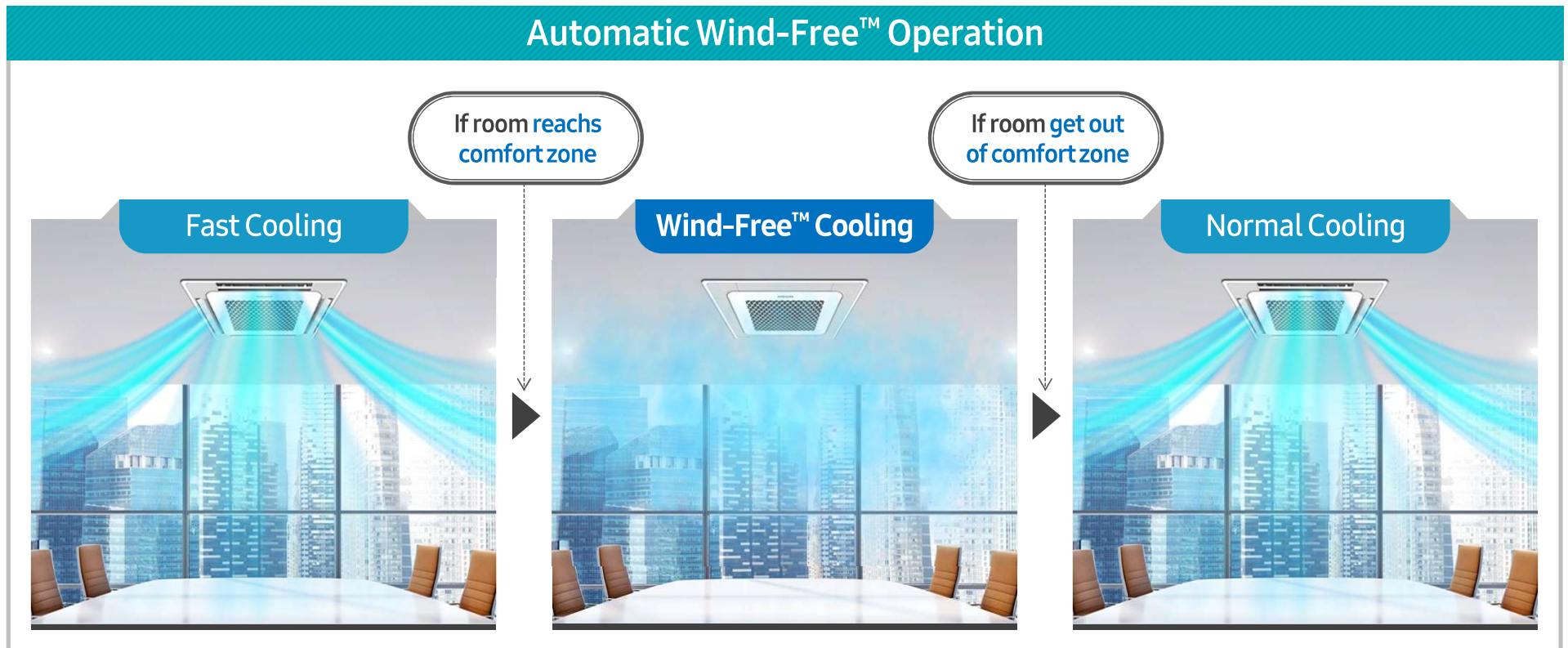


Conventional
4Way



03. Smart Comfort Operation

- Smart comfort operation enables maintenance of optimal room condition automatically by detecting not only **temperature** but also **relative humidity**.



04. New MDS Operation

- New designed Motion Detect enables customized air direction and efficient operation by detecting the location of people.

Automatic MDS Operation (Option)

Motion Detect Sensor

2.7m

12m

※ MDS : Motion Detect Sensor

1 Wind Direction : Choose Your Comfort

- Direct wind or Indirect wind

Direct wind

Indirect wind

2 Energy Saving : 35% → 50%

- Wind-Free™ + OFF Control

Power Input

Cooling

120mins

Absence

30mins

50mins

Stop

Wind-Free™ Saving 15%

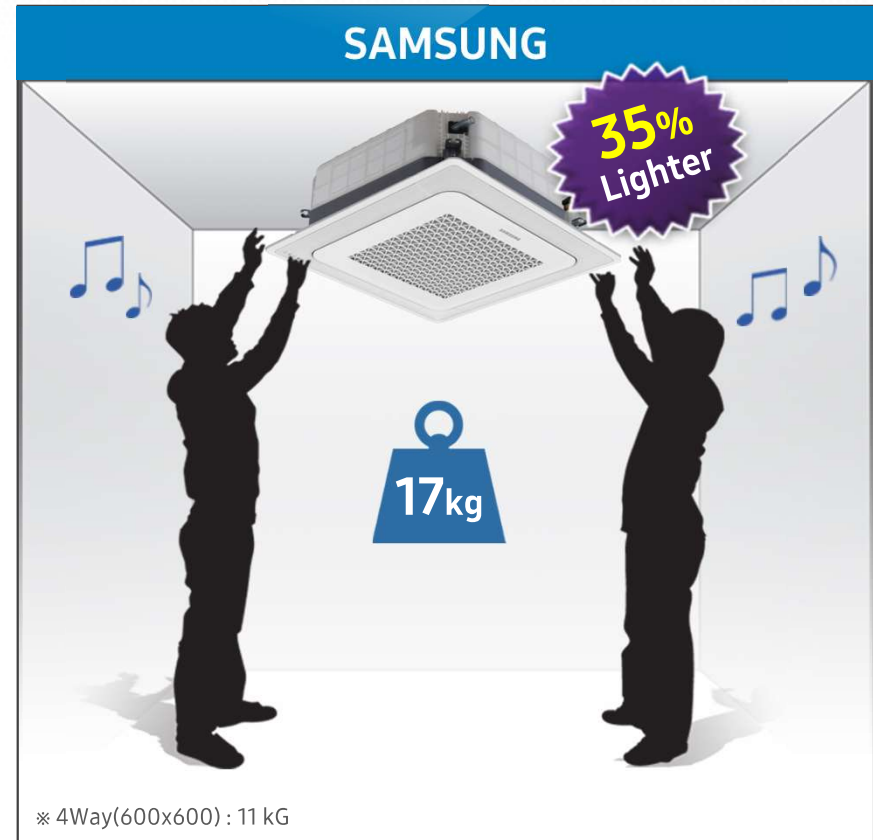
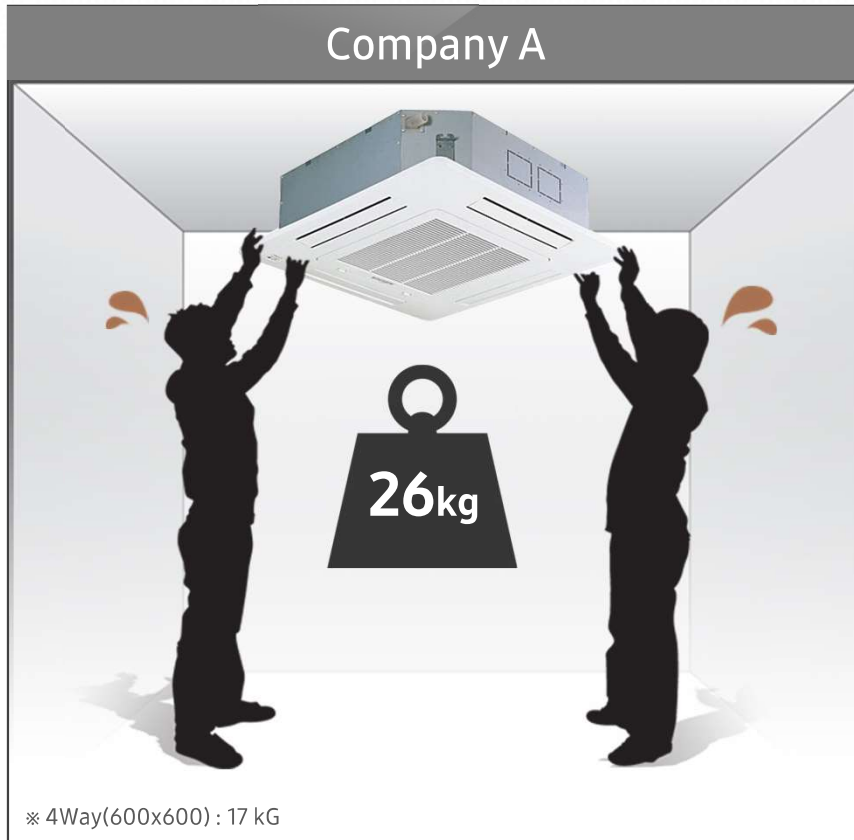
Wind-Free™ Cooling

Conventional Saving 35%



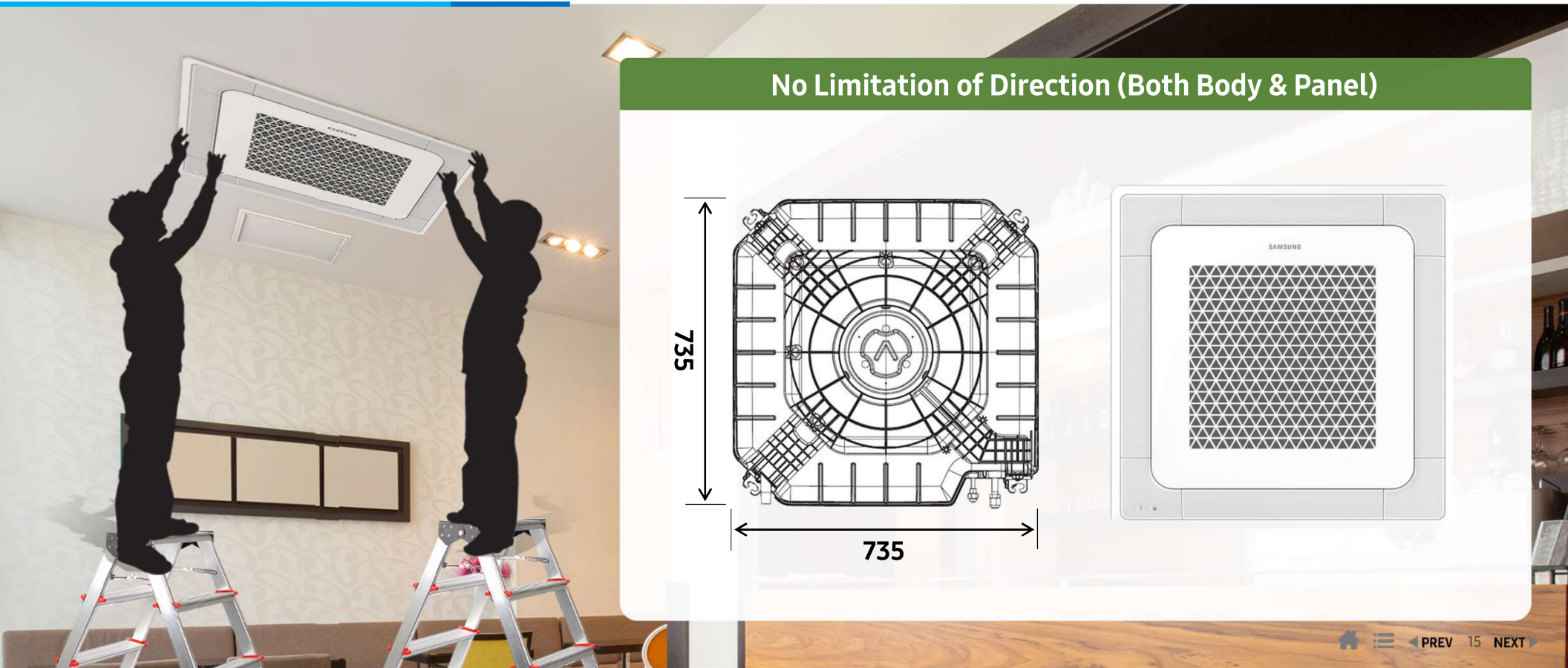
01. World's Lightest Weight

- It is the lightest indoor unit in the industry (35% lighter than competitor's product)



02. Easy Installation in 4 Different Ways

- Freely install anywhere without worrying about direction. (Body and Panel as well)



03. New Improved Design

New Stylish and Aesthetic Panel



Simple Display



04. Advanced Feature

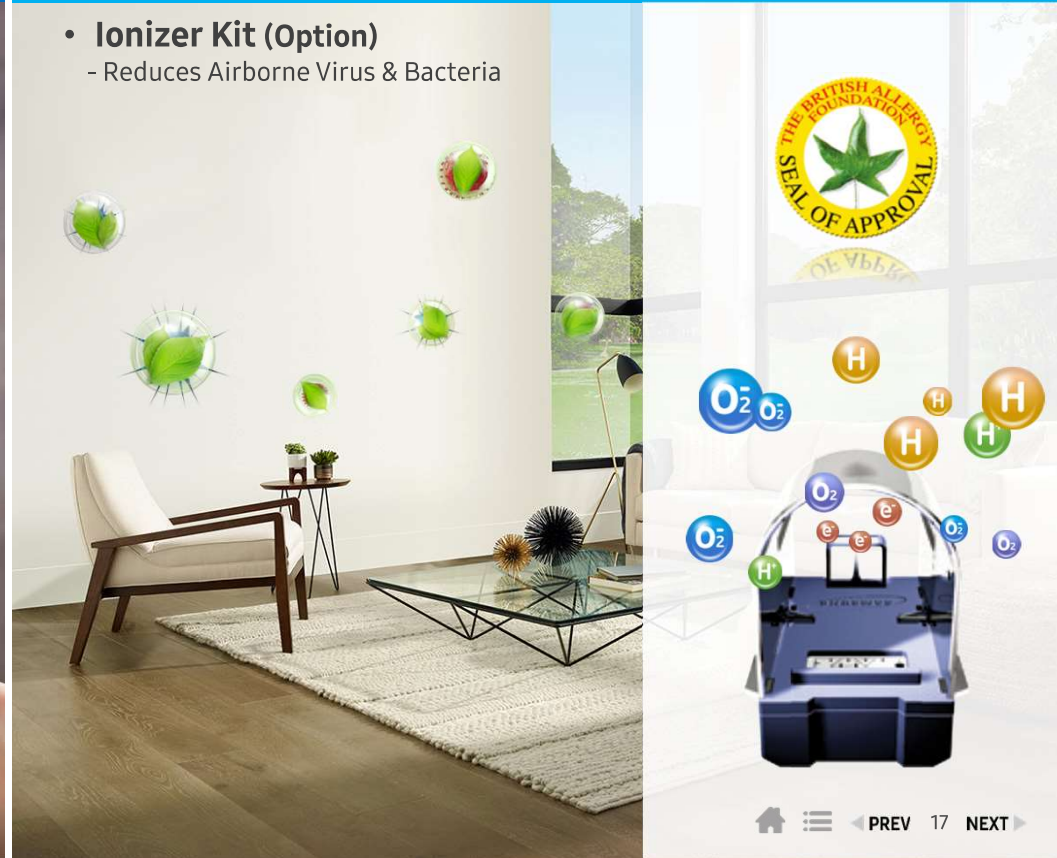
Wi-Fi Control

- **Wifi Operation (Option)**
 - Control anywhere, anytime
 - Scheduling, Grouping, Energy monitoring



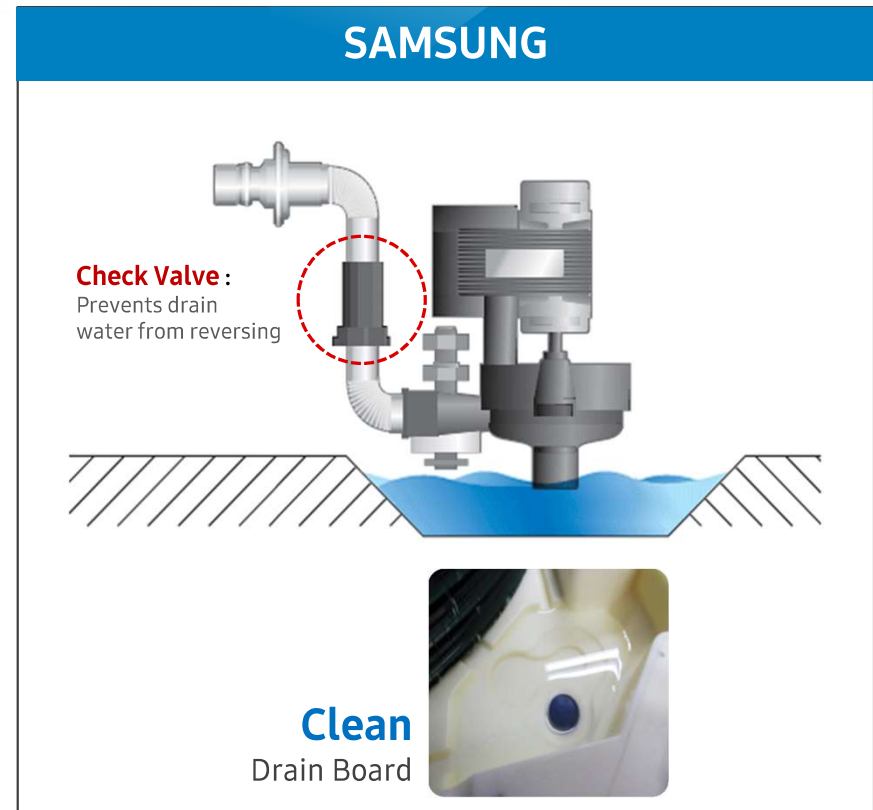
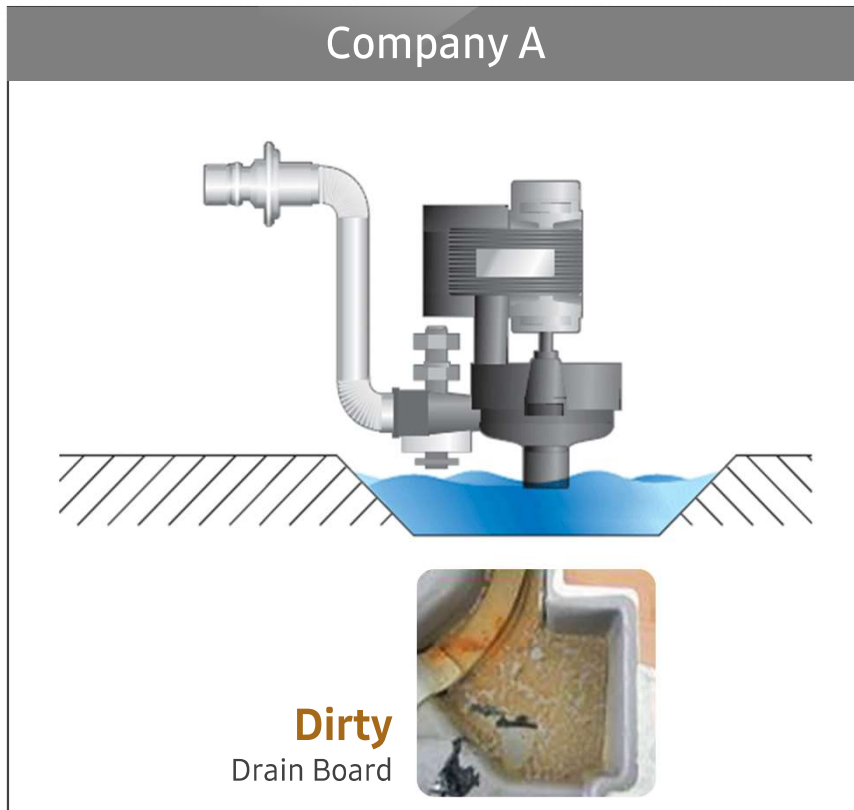
Ionizer

- **Ionizer Kit (Option)**
 - Reduces Airborne Virus & Bacteria



05. No Back Flowing Drain Water

- Check Valve on the drain pump prevents drain water from reversing
→ Minimize water gathering in Drain Board to prevent rusting

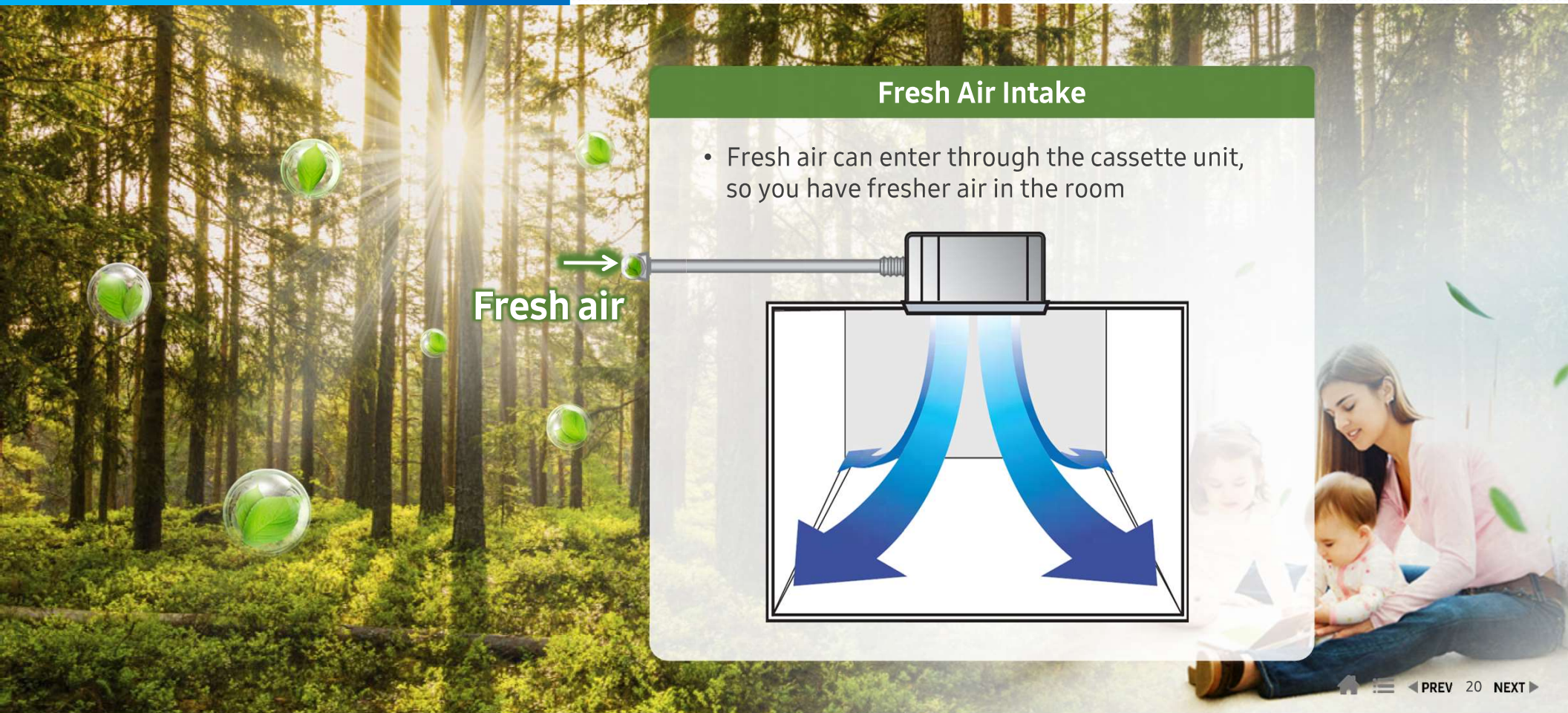


06. Easy Maintenance

- Easy Air Flow Blade Cleaning



07. Other Features



Fresh Air Intake

- Fresh air can enter through the cassette unit, so you have fresher air in the room

Fresh air

An aerial photograph of a city skyline, likely Chicago, during sunset. The sky is a mix of orange, yellow, and blue. The city is filled with numerous skyscrapers and buildings, with the Lake Michigan coastline visible in the distance. The text is overlaid on the image.

SAMSUNG

Samsung System Air Conditioner,
Well-known for Best Performance,
and Great Efficiency.

Future Air Conditioning Solution, we bring it to life.

Thank you

