

SAMSUNG
System Air Conditioner
CAC
2010

When the indoor unit adds beauty to your interior,
imagination lives

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www.dvmsystem.com

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www.samsung.com

SAMSUNG

Space for Partnership

Smart Thinking, Simple Living.

SAMSUNG

Smart Thinking, Simple Living.

You want to live easier as life gets harder. Just because life is complicated doesn't mean you have to live that way. Simplify your lifestyle without dealing with complexity. Our understanding of your needs for a better life made us put more effort in creating the perfect solution for a carefree life.

At Samsung, while we always aim to provide the most up-to-date innovations, we believe that innovations in home appliance should also make life simple, easy, and more comfortable. With Samsung Home Appliances, experience the wonders of smart appliances that not only take your life to another level of effortless comfort, but also help you spend more time on more important things in your life.

Filling your home with Samsung's simplified but advanced home appliances doubles your comfort and satisfaction. Don't sacrifice ease for the latest technology as Samsung provides state of the art innovative technology in simplified products. Enjoy smart thinking for simple living with Samsung Electronics.

2010 SAMSUNG Ceiling Air Conditioner

Contents

- 02 | Introduction
- 04 | Brand value
- 10 | Line-up
- 14 | S-Inverter Technology
- 16 | Indoor Units
- 46 | Control Systems

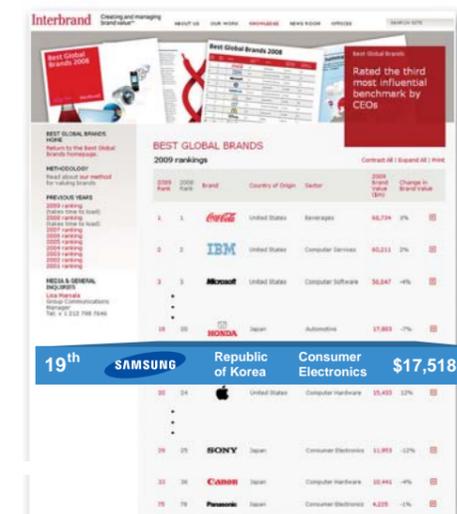


Samsung is Moving with and Ahead of Our Customers

A brand value is created by its customers and that's the novel perspective at Samsung. With all customer attention, Samsung had another successful year. Business Week and Interbrand ranked Samsung 19th in Global Brands.

Samsung has overtaken Sony as the world's biggest producer of televisions and its strong product development has resulted in global leadership in the television industry. Samsung also improved its position from the third to the second leading player in mobile phones worldwide. The philosophy of bringing the latest technology to people at a fair price has quickly become consumer's favorite and Samsung's new concept shops have been successful making the philosophy known to more expert and demanding audiences by showing the benefits of engaging with the brand.

As a global leader, Samsung will continue to create "Future" with the customers.



BRAND VALUE

GLOBAL BUSINESS NETWORK

- 7 Design Centers
- 6 Global Operation Centers
- 4 HA R&D Centers
- 10 Global Headquarters



PlanetFirst™ with Samsung Electronics



Samsung believes in the power of innovation today for a sustainable tomorrow

Every day, all of us need to seek new ways to reduce energy consumption at home and at work. To fulfill customer's greener way of life, Samsung continues to manufacture eco-friendly products. Unfortunately, many consumers are unaware of green products and feel there are not enough options. So now, Samsung created **PlanetFirst™** which applies to all of Samsung's eco friendly products, partnerships or internal programs.

PlanetFirst™ is the name that easily identifies eco-friendly products from Samsung. These products connect customers' desire of living green to the joy of using the latest technology. **PlanetFirst™**, a unique communication, makes Samsung's commitment, mind-set, and approach to greener living clear and straightforward. As Samsung continues to work, develop, engineer and design innovative products to satisfy customers, **PlanetFirst™** also means these technologies, designs and manufacturing processes are greener. Your choice of **PlanetFirst™** products help preserve nature and reduce energy use.

Samsung is always striving to find new and better ways to reduce our impact on the environment without sacrificing complete satisfaction in its products. Samsung started by simply reducing, reusing and recycling; then by challenging employees to seek out and adopt extraordinary breakthroughs that make Samsung's processes and products healthier, safer and less carbon dependent. So help the cause and start your own journey in being green with **PlanetFirst™**.

Eco-labels & Declaration

Samsung Electronics makes on-going efforts to develop environment-friendly products that minimize the negative impacts on the environment in every aspect of its products, from raw material procurement to production, transportation, usage and final disposal. Concerns for the environment are at the core of each product development.

Samsung's environment-friendly technologies and recycling programs have been highly recognized via various global approvals and awards worldwide.



Four Seasons of Hope

Samsung's Four Seasons of Hope is all about kids. It's about using the power of our brand to give something back to the communities we serve.

Samsung's Four Seasons of Hope supports community-based foundations and charities headed by some of the countries' favorite sports legends. Samsung pledges to raise national awareness and funds for these outstanding charities and to identify how others can also make a difference in the lives of these children and families.



Samsung Recycling Direct™

All good things come to an end. Let's make sure it's a Green end.

As technology continually evolves, so will your digital lifestyle. When you upgrade your consumer electronics, you will need to recycle your old products responsibly. That's why we're proud to reaffirm our commitment and responsibility to recycle using Direct™, the new Samsung Recycling program launched on October 1st, 2008.

'Eco-friendly' Samsung

Preserves the nature you live in.

Thinking of you and the environment, Samsung plans for the future. Realizing your hopes for a greener, healthier life for you and the generations that follow, Samsung's environmentally friendly technologies work to make the world a more beautiful place.



Air & Water Conservation

As a leading innovator of environment-friendly products and technologies, Samsung products already drastically reduce the strains on nature's valuable resources. Samsung uses R-600, a natural refrigerant, and cyclopentane insulation in its refrigerators, which do not promote global warming or add to the greenhouse effect. Samsung's water-efficient washing machines also use less detergent and water without affecting cleanliness, helping conserve water.

Use Less, Save More

Samsung products are energy efficient, receiving Energy Grade A+ in the EU and ENERGY STAR in the U.S. Samsung washers with its ceramic heaters use less power, which save you energy, money and time. This energy-efficient technology protects you and nature, giving you a greener lifestyle.

Global Recycling

Samsung Electronics is making significant efforts to save the environment and complies with the WEEE (Waste Electrical and Electronic Equipment) directive by joining or establishing the recycling schemes for each country.

Samsung Eco-Friendly Air Conditioner

Making continuous efforts to stay ecofriendly, Samsung uses R-410A, all environmentally friendly refrigerant, for its air conditioners and restrains the use of materials with high global warming potential (GWP). Most Samsung products have received Energy Grade A+ in the EU and ENERGY STAR in the U.S. These energy-efficient air conditioners not only save you money, but help conserve the environment.



Galeria de Innovacion 2009

Samsung attended Europe's largest air-conditioner exhibition "Climatization" in Madrid, Spain. Samsung air conditioner's beautiful design with innovative features was awarded the "Galeria de Innovacion" The idea behind this award is to encourage innovation in the practical application of know-how and technologies in industrial development. Once again, Samsung proves its unsurpassed standards in quality.



iF Product Design Award 2009

As one of the world's oldest & prestigious design competitions, the iF product design award can look back on a rich and long tradition. This seal of fine design quality has stood for qualitatively outstanding design awards for over 50 years. Samsung's air conditioner with design innovations has won the iF product design award for the year 2009. Samsung air conditioner continues to receive worldwide recognition and awards, proving high quality functions and beauty to value and satisfying customers' requirements.



Comfort & Design 2008

Organized by Fiera Milano International, the Comfort & Design Award plays the role of intermediary between the Jury and companies participating in the 36th Mostra Convegno Expocomfort / Expobagno. The MCE / EXPOBAGNO 2008 aimed to rewarding the best product that shows a high level of environmental quality, providing a complete overview of the sector along the lines of "Comfort & Living Technology". And Samsung air conditioner won the prize conferring a valid and professional recognition on the best products in the ceremony .

BRAND VALUE

Received Certifications and Awards



2010 Samsung System Air Conditioner 2010 Line-Up

Powerful new line-up

Once again we are introducing our line up of system air conditioners with Samsung's innovative Technology equipped to each and every one of the products. Take a look at Samsung's 2010 system air conditioners made to satisfy you.



OUTDOOR UNITS

Type	Capacity Technology	9K Btu/h	12K Btu/h	18K Btu/h	21K Btu/h	24K Btu/h	30K Btu/h	36K Btu/h	48K Btu/h
		2.6 kW	3.5 kW	5.2 kW	6.0 kW	7.0 kW	9.0 kW	10.5 kW	14.0 kW
S-Inverter	1Phase								
	3Phase								
R-Inverter	1Phase								



2010 Product Line-up



INDOOR UNITS

Type	Technology	Capacity								
		9K Btu/h 2.6 kW	12K Btu/h 3.5 kW	18K Btu/h 5.2 kW	21K Btu/h 6.0 kW	24K Btu/h 7.0 kW	30K Btu/h 9.0 kW	36K Btu/h 10.5 kW	48K Btu/h 14.0 kW	
Wall-mounted Type	Commercial Neo Forte									
1Way cassette	Inverter									
Mini 4Way cassette	Inverter									
4Way cassette	Inverter									
	R-Inverter									
Slim Duct	Inverter									
MSP Duct	Inverter									
	R - Inverter									
Console	Inverter									
Ceiling	Inverter									

LINE-UP

Efficient Energy Saver S-Inverter

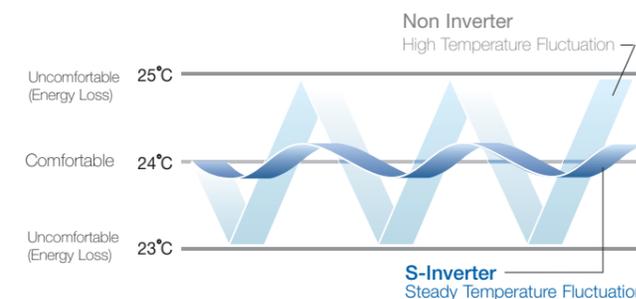
S-Inverter is a smart choice to save money and energy. With Samsung's advanced technology, energy waste has been minimized to improve on the efficiency while cooling and heating performance is faster than conventional product. Silent operation without any vibration will bring peace to your life.



S-Inverter Feature

Comfortable Temperature

The S-Inverter Air Conditioner works at maximum capacity at start up. As soon as the temperature reaches the desired/set temperature, it finely adjusts to cope with any changes. This means less temperature fluctuation and assures you greater comfort that can be achieved in minutes.



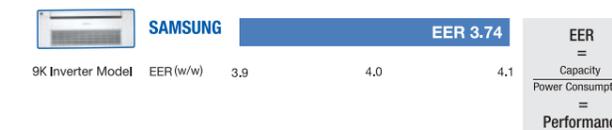
Fast Cooling and Heating

When you change the temperature setting, the air conditioner will use the compressor's maximum capacity to quickly reach the desired temperature, resulting in 15% faster cooling and 50% faster heating.



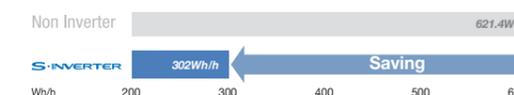
High Efficiency

The S-Inverter technology gives you powerful, speedy cooling and heating at minimum electricity consumption, so you can reduce energy waste and save money.



Up to 50% Energy Saving

After reaching the set temperature, the S-Inverter Air Conditioner changes its operation mode to economic. By avoiding inefficient and frequent switching on and off of the compressor, the S-Inverter saves up to 50% in energy consumption compared with a non-inverter air conditioner.



Silent Operation

Enjoy peace and quiet. The air conditioner's compressor operates at the lowest speed possible to maintain the desired temperature, so there's less motor and fan noise.

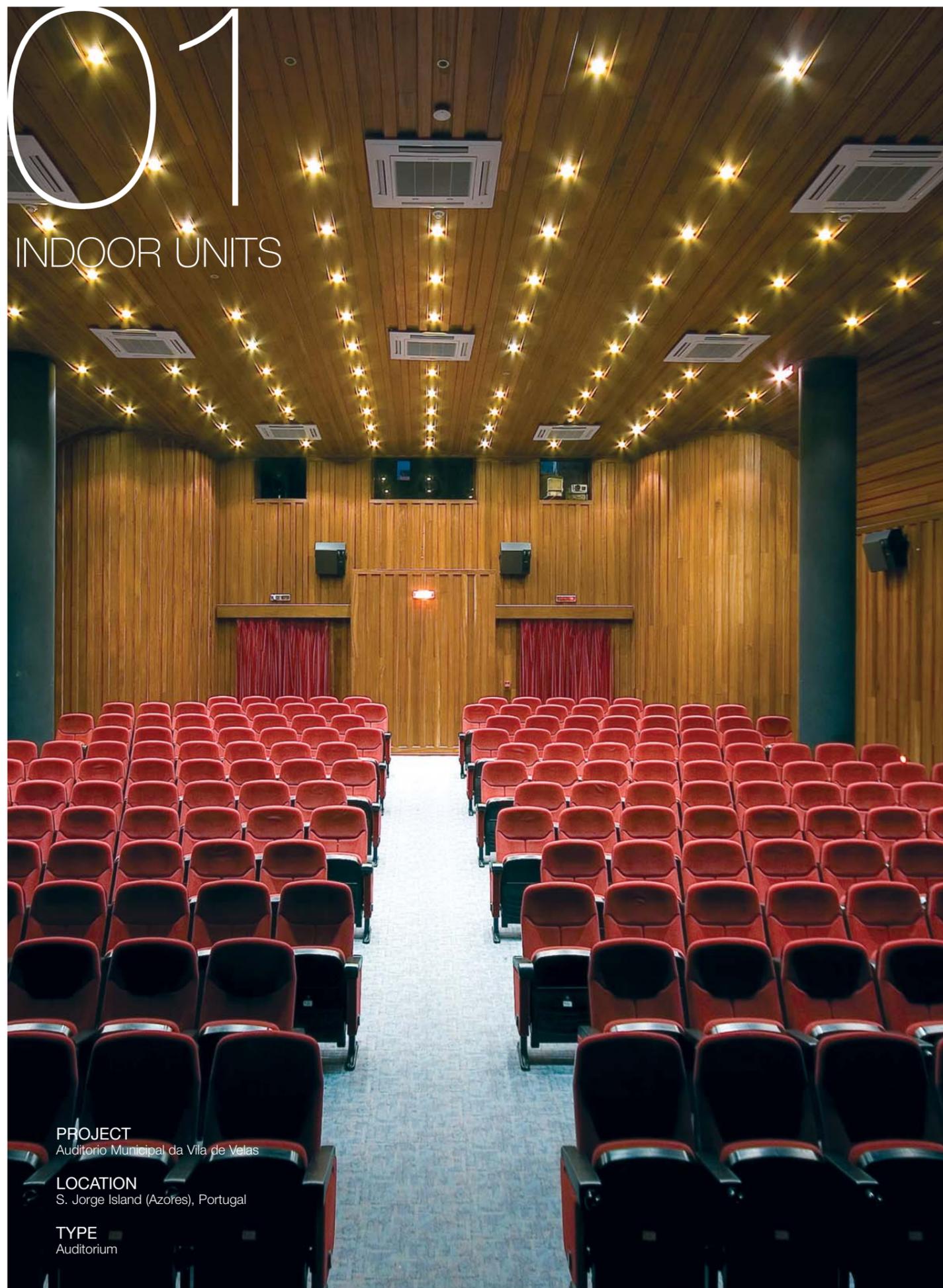


Wide Temperature Performance

No need to worry about using an external unit in severe temperatures with a Samsung air conditioner. With a wider temperature allowance, the unit can cool in the burning heat of 50°C or heat in the freezing coldness of -20°C to provide comfort in your home.



S-INVERTER TECHNOLOGY



INDOOR UNITS

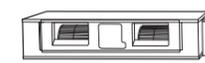
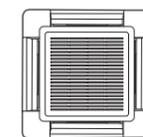
PROJECT
Auditorio Municipal da Vila de Velas

LOCATION
S. Jorge Island (Azores), Portugal

TYPE
Auditorium

Air designed just for your space

Samsung indoor units are not only equipped with high performing functions, but they also have beautiful design to enlighten your space. Different types of indoor units will be more than enough to satisfy needs of your space and yourself. Functional yet beautiful indoor units will provide you the cool air that only Samsung can provide.



02 / Introduction 04 / Brand Value 10 / Line-up 14 / S-Inverter Technology **16 / Indoor Units** 46 / Control Systems

Wall-mounted Type

19 | Commercial Neo Forte

Cassette Type

22 | Slim 1Way Cassette

23 | Mini 4Way Cassette

24 | 4Way Cassette

Duct Type

28 | Slim Duct

29 | MSP Duct

Floor & Convertible Type

32 | Console

33 | Ceiling

34 | Accessories

35 | Specification

Commercial Neo Forte

Fresh and Pleasant Cooling



Wall-mounted Indoor Unit

The design of the wall-mounted indoor units incorporates a clean fashionable front panel with a striking silver accent line that adds a stylish contrast for a strong minimalist design that complements any decos.



Commercial Neo-Forte



Silver Technology

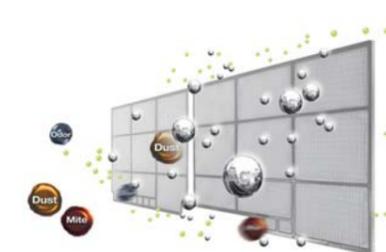
Silver Coated Evaporator

The Silver Coated Evaporator incorporates an innovative material found to be environmentally friendly. The fins of the evaporator are triple coated (2 layers of chrome-free neo silica, 1 layer of Silver Coating) to ensure the efficient removal of condensation and to guarantee the production of clean, fresh air.



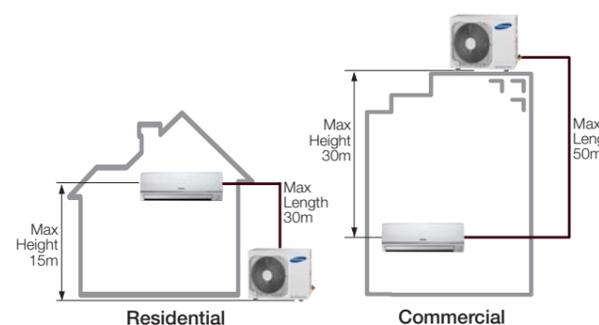
Silver Coated Filter

Dust particles are trapped and removed as a result of the silver nano coating of the Silver Nano Filter. Not only does the filter remove microscopic dust particles, it also exter-minates fungi and eliminates unpleasant smells.



Longer piping length and height

Commercial type air conditioners support longer piping length and height limit, compared to residential types, providing flexible and easier installation options.



Deodorizing Filter

Activated carbon is incorporated in the filter. This smart deodorizing filter with its splendid talent absorbs ciga-rette smoke, pet odors and all other unpleasant odors.



Catechin Filter

The Catechin filter, extracted from green tea, deactivates captured bacteria and dust. Also, this out-standing filter helps to remove unpleasant odors to keep your home fresh and clean.

Cooling and Heating operation in low ambient temperature

Commercial type air conditioners have wide operation ranges, allowing the air conditioners to operate even in low ambient temperature of -15°C.



Wired Remote Controller

Wall-mounted indoor unit can be connected to wired remote controller like other types of ceiling indoor units.



Main Feature

Cassette type Indoor Units

Cassette type indoor units have different numbers and direction of outlets to provide the cool air evenly in any type of space. Compact size of indoor units can be installed even in lower ceilings and easy installation method will save time that you had to spend on installation.



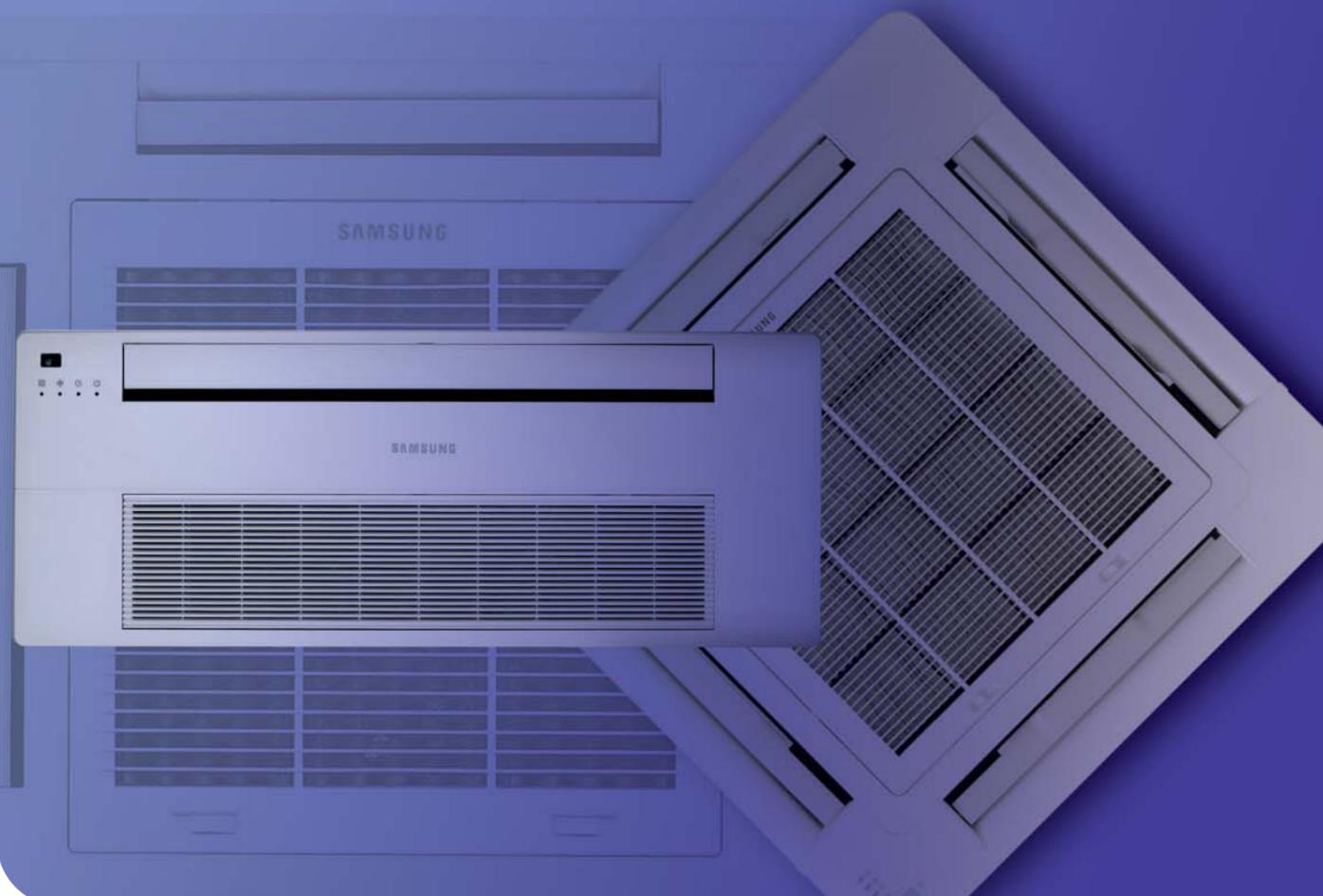
Slim 1Way Cassette



Mini 4Way Cassette

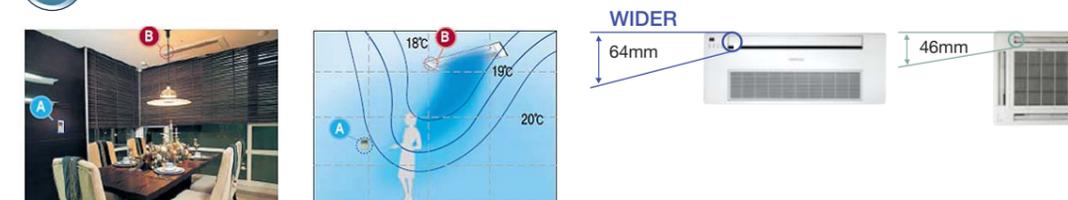


4Way Cassette



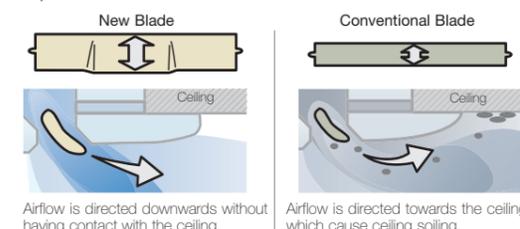
Wide Blade

The new cassette type air conditioner is equipped with uniquely designed blades that are wider to provide even cooling and heating power throughout the room.



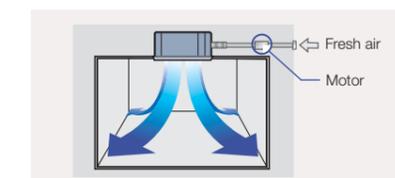
Ceiling Soiling Prevention

Newly designed panel will control the air direction to avoid having contact with the ceiling. This new design will prevent the ceiling from soiling and keep your interior cleaner than ever even after long period of operation.



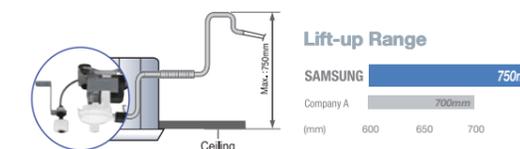
Fresh Air Intake

With optional installation of an air intake motor, fresh air can enter through the cassette unit so you have fresher air in the room.



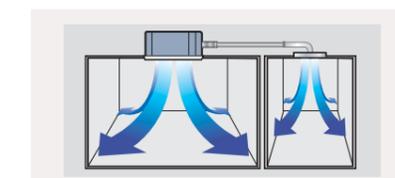
High Lift-up Drain Pump

The lift-up drain pump lifts condensed water up to 750mm, compared to the competitor's 700mm, allowing for flexible and convenient installation.



Sub Duct

The Sub Duct lets you use the same air conditioner unit to cool another smaller space nearby. (The cassette unit is fitted with a knock-out component to accommodate this.)



Quick Connection of Drain Pipe

Samsung's unique drain pipe prevents leaks and is easier to install with no need to use tape or adhesives.



Slim 1Way Cassette

Slim and Quiet

- WIDE BLADE
- CEILING SOILING PREVENTION
- HIGH LIFT-UP DRAIN PUMP
- QUICK CONNECTION OF DRAIN PIPE

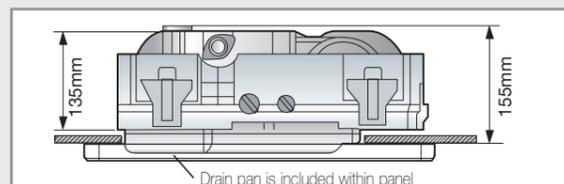


Slim and Compact Design

Want a cassette type air conditioner, but have limited space? Samsung's new Slim 1Way cassette type air conditioner is the answer.

Only 135mm thick

Samsung introduces the world's slimmest indoor air conditioner unit. Only 135mm thick, the slim 1Way Cassette air conditioner can be installed practically anywhere.



NOTE

Ensure that there is sufficient installation space. Allow at least 170mm for the installation.



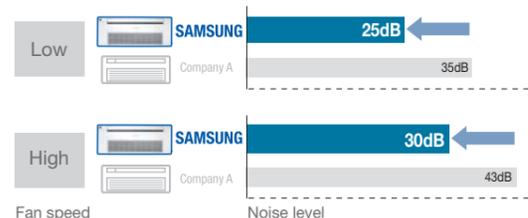
Lighter indoor unit

The first to apply ABS cabinets into its indoor units, Samsung has achieved the lightest units on the market. Its slim lightweight design makes installation and maintenance a breeze.



Quiet Operation

Samsung's new blade design drastically reduces noise levels, so you can relax in peace and quiet.



Check Valve Inside Drain Pump

Faulty drainage installation or power failures can cause condensed water to flow back into the unit, causing leakage and odors. Samsung's air conditioners are equipped with a check valve built directly into the drain pump to prevent water from flowing backward.



Mini 4Way Cassette

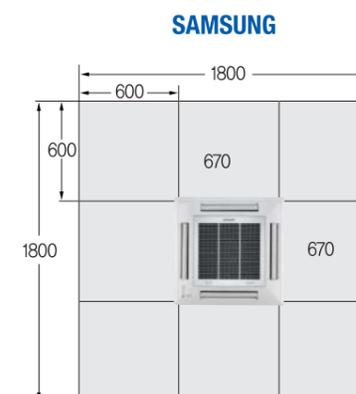
Evenly Distribute the Cool Air

- HIGH LIFT-UP DRAIN PUMP
- FRESH AIR INTAKE
- QUICK CONNECTION OF DRAIN PIPE



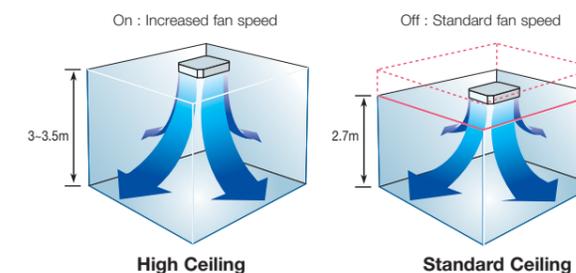
Ideal Compact Size

The Mini 4Way cassette air conditioner can be installed in one standard ceiling tile (600x600D), which can save installation time.



Fan Speed Adjustment

Fan speed can be adjusted according to ceiling height by adjusting dip switch of indoor unit's PCB.



High Energy Efficiency

Not only is the Mini 4Way cassette air conditioner small and compact, it's energy efficient. Easy operation coupled with high efficiency provides you with remarkable performance at extremely low cost.



INDOOR UNITS

4Way Cassette

Evenly Distribute the Cool Air

-  WIDE BLADE
-  CEILING SOILING PREVENTION
-  HIGH LIFT-UP DRAIN PUMP
-  FRESH AIR INTAKE
-  SUB DUCT
-  QUICK CONNECTION OF DRAIN PIPE



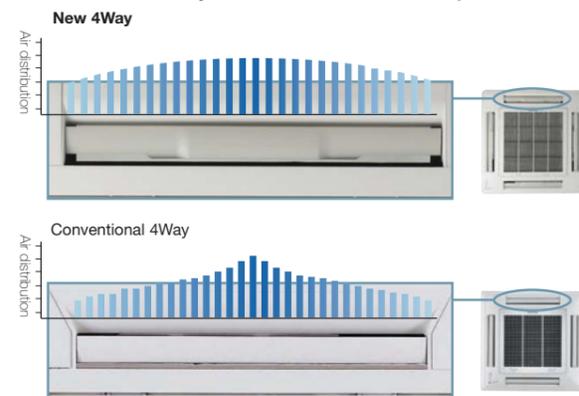
Stylish Panel Design

The stylish panel is well harmonized with any interior design.



Efficient Cooling

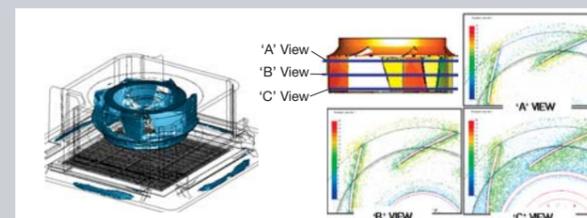
3-dimensional shaped blade, which has the world wide patent, is able to spread cool or warm air further and evenly to all corners of the space.



New Turbo Fan

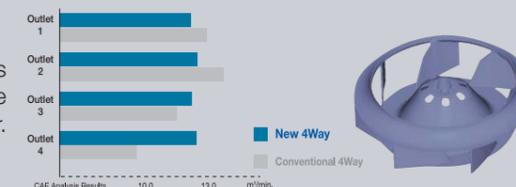
Quiet Operation

Imagine a room of cool calmness. The aerodynamically designed 'Turbo Fan' minimizes noise from the turbulence of blade movement. Therefore noise is less than conventional models.



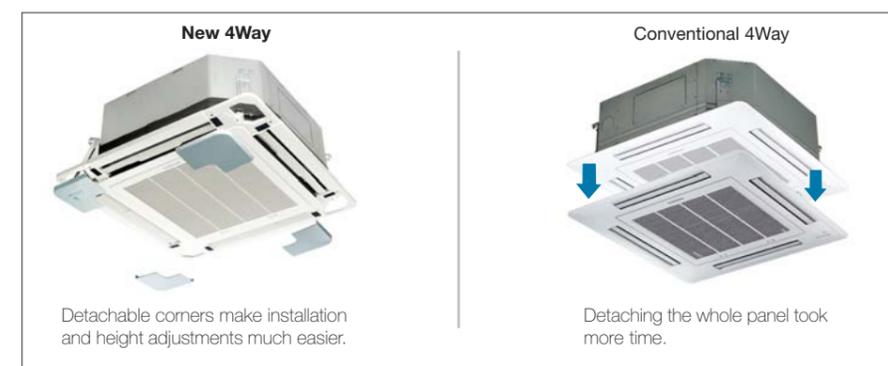
Uniform Distribution

The new 'Turbo Fan' with wide blades provides extreme cooling and heating power from 4 separate outlets so the entire room gets cool or warm faster. Now, every nook and cranny is comfortable.



Easy Leveling

Each corner portion of the panel is detachable, which gives easier access to adjust the height, therefore leveling and installation is much easier and quicker than before.



Duct type Indoor Units

One duct type indoor unit can provide cool air to multiple places in a building with flexible installation options. It doesn't matter how complicated the floor plan is because duct type indoor units offer different solutions for any shape of the interior. With the indoor units hiding behind the ceiling, you can create clean interior looks.



Slim Duct



MSP Duct



Main Feature

Clean Filter System

The anti-bacteria filter and the filter cleaning indicator provide you with cleaner, healthier air. You deserve to breathe fresh air everyday.

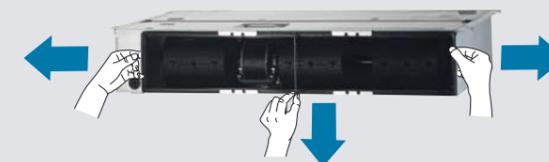
Anti-bacteria Filter

 The anti-bacteria filter not only traps dust particles, but suppresses proliferation of molds and bacteria.



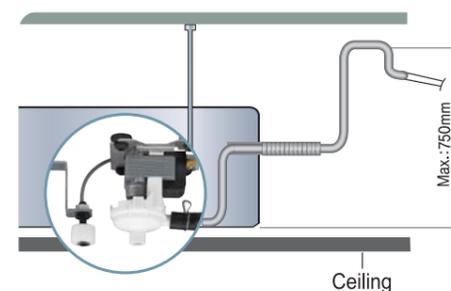
Easy Filter Cleaning

 After 1,000 hours of operation the filter clean indicator will inform you that the filter should be cleaned. The filter can be easily removed from the bottom, left, or right of the unit. (1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.)



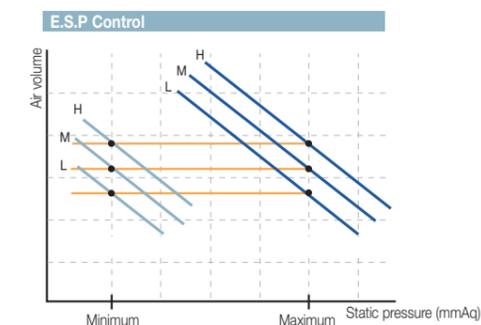
High Lift-up Drain Pump (optional)

 The lift-up drain pump lifts condensed water up to 750mm, compared to the competitor's 700mm, allowing for flexible and convenient installation.



Smart Pressure Control

 The Smart Pressure Control System adjusts fan speed according to E.S.P (External Static Pressure), so the air conditioner always gives you consistent cooling and heating power regardless of the surrounding environment.



Wired Remote Controller

 Wired remote controller is included for more convenient use of the air conditioner.



Slim Duct

Slim and flexible

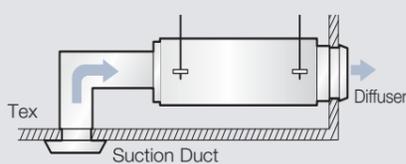
- ANTI-BACTERIA FILTER
- EASY FILTER CLEANING
- HIGH LIFT-UP DRAIN PUMP
- SMART PRESSURE CONTROL
- WIRED REMOTE CONTROLLER



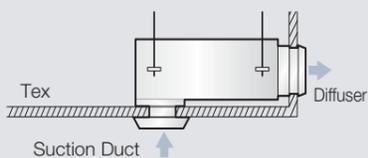
Flexible Installation

The air inlet can be set up on either the bottom or rear of the unit, so there is more flexibility in installation.

Rear side air inlet

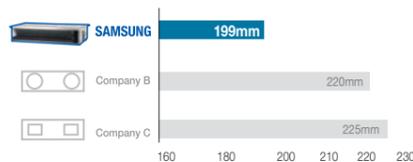


Bottom side air inlet



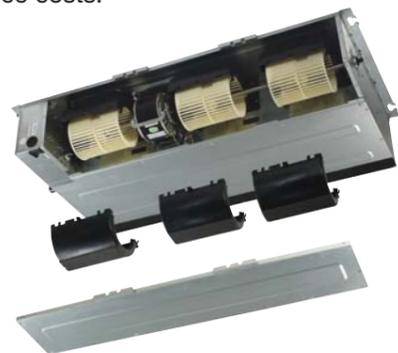
Slim Design

Only 199mm thick, this slim design makes installation, maintenance and repair easy.



Easy to Maintain

Parts are easily accessible by simply opening the bottom panel, which reduces time and maintenance costs.



MSP Duct

Silent with Pressure Control

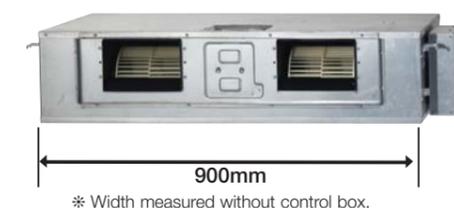
- ANTI-BACTERIA FILTER
- EASY FILTER CLEANING
- HIGH LIFT-UP DRAIN PUMP
- SMART PRESSURE CONTROL
- WIRED REMOTE CONTROLLER



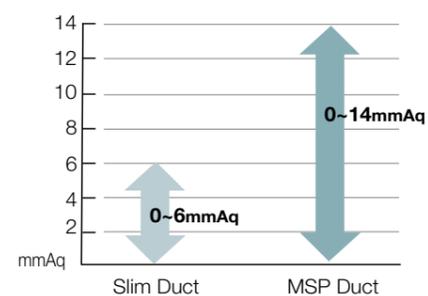
Silent Operation with the static-pressure control

The external static pressure control makes it easy to design duct work to ensure efficiency and silent operation.

Narrow Width (DH052EAV1, DH052EAS, DH070EAS)

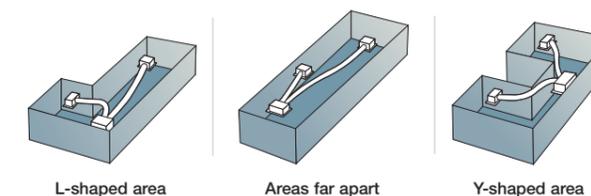


Middle Static Pressure



Flexible Installation

Samsung's MSP Duct air conditioners offer different solutions for any shape room allowing for specific airflow requirements.



Easy to Maintain

Reduce time and maintenance costs by keeping parts easily accessible.



Main Feature

Floor & Convertible type Indoor Units

Installation options can't be more diverse than Samsung's floor and convertible type air conditioner. With a variety of installation options and the elegant design, wherever you install these indoor units, they will become picture perfect.



Console



Ceiling



Interior Design



Now with more flexibility in placement, the air conditioner can add a stylish element to your room.



Silent Mode



Indoor units operate quietly with the least possible noise.



Anti-bacteria Filter



The anti-bacteria filter not only traps dust particles, but suppresses proliferation of molds and bacteria.



Light Weight Unit



This extremely lightweight design makes maintenance and installation easy.



Auto Changeover



The Auto Changeover automatically selects the operation mode according to the temperature setting.



Flexible Pipe Installation



The drain pipe can be installed in 6 different places, so you have more options in where to place your air conditioner.



Console

Slim and Elegant

- INTERIOR DESIGN
- ANTI-BACTERIA FILTER
- LIGHT WEIGHT UNIT
- SILENT MODE
- AUTO CHANGEOVER
- FLEXIBLE PIPE INSTALLATION
- WIRELESS REMOTE CONTROL



Elegant Design

Slim & Smart Design

This extremely slim design with Clean Panel adds aesthetic value to any interior.

Slim Design

It can't get any slimmer. This console type indoor unit is only 199mm thick, the slimmest on the market. Its slim design easily integrates the unit into your decor.



Clean Panel

Stay clean with the smartly designed Clean Panel. This unique panel keeps dust from being accumulated so the unit and the room stay cleaner.



Black Display

Functional art, the touch screen display is elegant while it maximizes the convenience of control.

2Way air outlets

There are two separate air outlets for cooling and heating. Having warmer air coming out from the bottom part of the air outlet will spread the warm air evenly throughout the room. Stay cooler and warmer in every corner of your room.



Silent Operation (23dB)

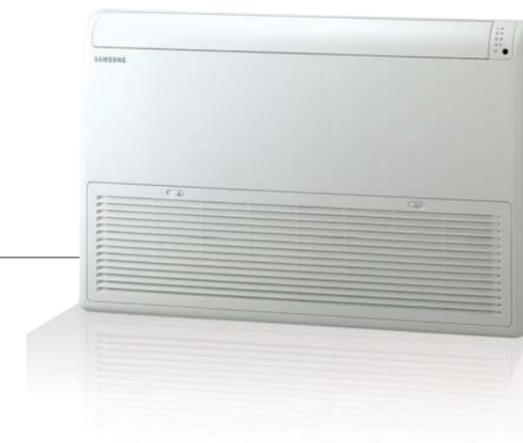
The silent, yet powerful and efficient cooling and heating system keeps things more comfortable. Silent mode is available in 4 different operating modes: High / Medium / Low / Silence.



Ceiling

Powerful air from Ceiling or Floor

- INTERIOR DESIGN
- ANTI-BACTERIA FILTER
- LIGHT WEIGHT UNIT
- AUTO CHANGEOVER
- FLEXIBLE PIPE INSTALLATION
- WIRELESS REMOTE CONTROL



2way Installation

Depending on the space availability and the purpose of the air conditioner, the indoor unit can be installed under the ceiling or on the floor.



Under Ceiling

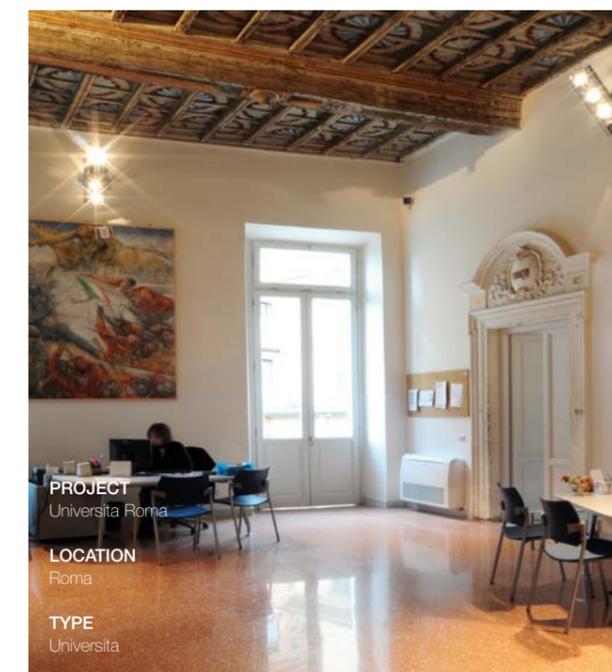


Floor Standing

Compact but Powerful

Samsung's ceiling type air conditioner boasts its slim, compact design, half the size of its competitors, with cooling power comparable to competitor's larger products.

7.1kW Model



PROJECT
Universita Roma

LOCATION
Roma

TYPE
Universita

Accessories

Remote Controller

Classification	Model	Compatible units	Description
Wired Remote Controller	 MWR-WE00	Unified Remote Controller	Individual and group control
	 MWR-WH00	Unified Remote Controller	Individual and group control
Wireless Remote Controller	 MR-CH01	Unified Remote Controller	Simple schedule control

Panel

Classification	Model	Compatible units	Description
Slim 1Way Cassette	 PSSMA	Unified Panel	Single, DVM unified Panel
Mini 4Way Cassette	 PMSMA	Unified Panel	Single, Multi, DVM unified Panel
4Way Cassette	 P4SMA	Unified Panel	Single, Multi, DVM unified Panel

Drain Pump

Classification	Model	Compatible units	Description	
Duct Drain Pump	 MDP-E075SEE	Slim duct	PVC Hose, 2.6kW~7.0kW	
			New Hose, 10.5kW~14.0kW	
	MSP duct	MDP-M075SGU3		5.2kW~7.0kW
		MDP-M075SGU1		9.4kW~12.5kW
		MDP-M075SGU2		14.0kW~17.5kW

PROJECT
Kathy Heyndels Glyfada

LOCATION
Greece

TYPE
Shop

CAC Specification





INDOOR UNITS - SPECIFICATION

Commercial Neo Forte

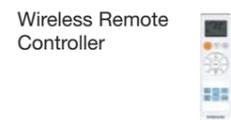


Model	Indoor Unit		S-inverter				
	Outdoor Unit		NS026NHXEA	NS035NHXEA	NS052NHXEA	NS070NHXEA	
Capacity (Min./Standard/Max.)	Cooling	Watts	990/2600/3500	980/3,500/4,200	1,700/5,000/6,000	2,200/7,100/8,000	
	Heating	Watts	980/3300/4600	980/4,000/5,200	1,500/6,000/8,000	1,900/8,000/11,000	
Power Input (Min./Standard/Max.)	Cooling	Watts	260/730/1100	260/1150/1400	420/1550/1950	580/2,210/2,650	
	Heating	Watts	240/900/1400	210/1105/1700	360/1650/2700	550/2,150/3,600	
E.E.R	Cooling	W/W	3.4(A)*	3.21(A)*	3.21(A)*	3.01(B)*	
	Heating	W/W	3.63(A)*	3.61(A)*	3.41(B)*	2.81(D)*	
Running Current (Min./Standard/Max.)	Cooling	Amps	1.6/3.4/5.1	1.7/5.3/6.4	2.5/7.0/8.5	2.9/10.0/12.0	
	Heating	Amps	1.5/4.3/6.6	1.3/5.1/7.9	2.1/7.5/12.0	2.8/10.0/16.5	
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	
	Gas	mm (inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	15.88(5/8)	
Power Supply		ØV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Indoor Unit							
Model			NS026NHXEA	NS035NHXEA	NS052NHXEA	NS070NHXEA	
Fan Type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	
Air Flow Rate	High	m³/min	7.0	8.0	13.0	15.0	
Set	Dimension (Net)	WxHxD	mm	825x285x189	825x285x189	1,065x298x218	1,065x298x218
	Dimension (Gross)	WxHxD	mm	900x349x252	900x349x252	1,137x377x299	1,137x377x299
	Weight (Net/Gross)		kg	9/11	9/11	13/16	13/16
Sound Pressure Level	High/Low	dB(A)	32 / 23	36 / 23	40 / 30	41 / 30	
Indoor Filter			Default	Default	default	default	
Outdoor Unit							
Model			UH026EAV1	UH035EAV1	UH052EAV1	UH070EAV2	
Compressor			SINGLE BLDC	SINGLE BLDC	TWIN BLDC	TWIN BLDC	
Refrigerant	Type		R410A	R410A	R410A	R410A	
Set	Dimension (Net)	WxHxD	mm	790X548X285	790X548X285	880X638X310	880X798X310
	Dimension (Gross)	WxHxD	mm	938X610X382	938X610X382	1,023X704X413	1,038X861X406
	Weight (Net/Gross)		kg	35.5/38	35.5/38	50/53	57/61
Sound Pressure Level		dB(A)	47	47	49	50	
Temperature Range	Cooling	°C	-10~43	-10~43	49	-15~43	
	Heating	°C	-15~24	-15~24	-20~24	-20~24	
Quantity of Ref.		g	950	950	1,450	1,900	
Extension Length (total)		m	20	20	50	50	
Extension Length (elevation)		m	15	15	30	30	
Standard		m	5	5	5	5	
Additional Ref.		g/m	0	0	30	30	

Optional Accessories



Standard Accessories



Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
- Capacities are Net Capacities.
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Slim 1Way Cassette



Model	Indoor Unit		S-inverter	
	Outdoor Unit		SH026EAV1	SH035EAV1
Capacity (Min./Standard/Max.)	Cooling	Watts	980/2,600/3,500	980/3,500/4,100
	Heating	Watts	950/3,300/4,600	950/4,000/4,750
Power Input (Min./Standard/Max.)	Cooling	Watts	245/695/1,120	250/1,140/1,420
	Heating	Watts	210/910/1,300	210/1,160/1,390
E.E.R	Cooling	W/W	3.74(A)	3.07(B)
	Heating	W/W	3.63(A)	3.45(B)
Running Current (Min./Standard/Max.)	Cooling	Amps	1.6/3.3/5.2	1.6/5.3/6.6
	Heating	Amps	1.4/5.3/6.4	1.4/5.5/6.8
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)
	Gas	mm (inch)	9.52(3/8)	9.52(3/8)
Power Supply		ØV/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model			SH026EAV1	SH035EAV1
Panel			PSSMA	PSSMA
Fan Type			Cross Flow Fan	Cross Flow Fan
Air Flow Rate	High	m³/min	8.0	8.5
Set	Dimension (Net)	WxHxD	mm	970X135X410
	Dimension (Gross)	WxHxD	mm	1,164X212X478
	Weight (Net/Gross)		kg	9.9/13
Panel	Dimension (Net)	WxHxD	mm	1,180X25X460
	Dimension (Gross)	WxHxD	mm	1,250X126X530
	Weight (Net/Gross)		kg	3.1/4.5
Sound Pressure Level	High/Low	dB(A)	30/25	32/27
Indoor Filter			Default	Default
Outdoor Unit				
Model			UH026EAV1	UH035EAV1
Compressor			SINGLE BLDC	SINGLE BLDC
Refrigerant	Type		R410A	R410A
Set	Dimension (Net)	WxHxD	mm	790X548X285
	Dimension (Gross)	WxHxD	mm	938X610X382
	Weight (Net/Gross)		kg	35.5/38
Sound Pressure Level		dB(A)	47	47
Temperature Range	Cooling	°C	-10~43	-10~43
	Heating	°C	-15~24	-15~24
Quantity of Ref.		g	950	950
Extension Length (total)		m	20	20
Extension Length (elevation)		m	15	15
Standard		m	5	5
Additional Ref.		g/m	0	0

Optional Accessories



Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
- Capacities are Net Capacities.
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4Way Cassette



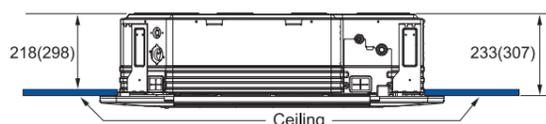
Model	Indoor Unit		CH070EAV1	CH090EAV
	Outdoor Unit		UH070EAV2	UH090EAV2
Capacity (Min./Standard/Max.)	Cooling	Watts	2,100/7,100/8,200	2,900/9,400/10,350
	Heating	Watts	2,000/8,000/11,300	2,400/11,000/13,400
Power Input (Min./Standard/Max.)	Cooling	Watts	510/2,120/2,700	700/2,930/3,400
	Heating	Watts	510/2,190/3,800	580/3,050/5,500
E.E.R	Cooling	W/W	3.35(A)	3.21(A)
	Heating	W/W	3.7(A)	3.61(A)
Running Current (Min./Standard/Max.)	Cooling	Amps	2.8/9.7/12.1	3.0/13.0/15.0
	Heating	Amps	2.6/10/16.9	2.5/13.5/24.5
Piping Connection	Liquid	mm (inch)	6.35(1/4)	9.52(3/8)
	Gas	mm (inch)	15.88(5/8)	15.88(5/8)
Power Supply		ØV/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model			CH070EAV1	CH090EAV
Panel			P4SMA	P4SMA
Fan Type			Turbo Fan	Turbo Fan
Air Flow Rate	High	m ³ /min	17.2	24.0
Set	Dimension (Net)	WxHxD mm	840X218X840	840X288X840
	Dimension (Gross)	WxHxD mm	926X360X926	926X360X926
	Weight (Net/Gross)	kg	31/35	29/35
Panel	Dimension (Net)	WxHxD mm	950X35X950	950X35X950
	Dimension (Gross)	WxHxD mm	1,042X103X1,042	1,042X103X1,042
	Weight (Net/Gross)	kg	7.0/10.3	7.0/10.3
Sound Pressure Level	High/Low	dB(A)	36/30	39/32
Indoor Filter			Default	Default
Outdoor Unit				
Model			UH070EAV2	UH090EAV2
Compressor			TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A
Set	Dimension (Net)	WxHxD mm	880X798X310	932x1,128x375
	Dimension (Gross)	WxHxD mm	1,038X861X413	1,091x1,286x472
	Weight (Net/Gross)	kg	57/61	95/110
Sound Pressure Level		dB(A)	50	52
Temperature Range	Cooling	°C	-15~43	-15~50
	Heating	°C	-20~24	-20~24
Quantity of Ref.		g	1,900	2,600
Extension Length (total)		m	50	75
Extension Length (elevation)		m	30	30
Standard		m	5	7.5
Additional Ref.		g/m	30	40

			S-inverter	R-inverter
CH105EAV	CH105EAV	CH140EAV	CH140EAV	CH090EAS
UH105EAV2	UH105GAV	UH140EAV2	UH140GAV	UH090EAS
3,200/10,500/12,000	3,200/10,500/12,000	3,800/14,000/15,400	3,800/14,000/15,400	3,100/9,000/10,000
2,600/11,200/15,500	2,600/11,200/15,500	3,450/16,000/19,500	3,450/16,000/19,500	2,750/9,500/13,000
700/3,270/3,800	700/3270/3,800	900/4,650/5,400	900/4,650/5,400	680/2,800/3,400
580/3,100/5,600	580/3100/5,600	750/4,690/6,400	750/4,690/6,400	530/2,630/4,550
3.21(A)	3.21(A)	3.01(B)	3.01(B)	3.21(A)
3.61(A)	3.61(A)	3.41(B)	3.41(B)	3.61(A)
3.0/15.0/16.5	1.3/5.0/6.0	4.0/20.0/23.5	1.4/7.2/8.5	3.2/12.4/15.0
2.6/13.8/25	1.1/5.0/8.6	3.3/20.5/27.5	1.3/7.3/10.2	2.54/11.65/20.0
9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)	15.88(5/8)
1/220-240/50	3/380-415/50	1/220-240/50	3/380-415/50	1/220-240/50
CH105EAV	CH105EAV	CH140EAV	CH140EAV	CH090EAS
P4SMA	P4SMA	P4SMA	P4SMA	P4SMA
Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
25.7	22.2/25.7	30.0	28.0/30.0	24.0
840X288X840	840X288X840	840X288X840	840X288X840	840X288X840
926X360X926	926X360X926	926X360X926	926X360X926	926X360X926
29/35	29/35	29/35	29/35	29/35
950X35X950	950X35X950	950X35X950	950X35X950	950X35X950
1,042X103X1,042	1,042X103X1,042	1,042X103X1,042	1,042X103X1,042	1,042X103X1,042
7.0/10.3	7.0/10.3	7.0/10.3	7.0/10.3	7.0/10.3
40/33	40/33	45/38	45/38	39/32
Default	Default	Default	Default	Default
UH105EAV2	UH105GAV	UH140EAV2	UH140GAV	UH090EAS
TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC
R410A	R410A	R410A	R410A	R410A
932x1,128x375	932x1,128x375	932x1,128x375	932x1,128x375	880x950x320
1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,043x1,062x411
95/110	88/93	105/120	105/120	78/85
53	56	55	59	57
-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24
2,800	2,800	3,100	2,800	2,400
75	75	75	75	75
30	30	30	30	30
7.5	7.5	7.5	7.5	5
40	40	40	40	55

Optional Accessories



Note



- Numbers within parenthesis are the values for large capacity units*.
- At least 245mm (315mm for large capacity units*) of space is need for installation.
- * Large capacity units : 9.0/10.5/14.0kW

Notes

1) Capacities are based on the following conditions.

- Indoor Temperature 27°C DB/ 19°C WB
- Outdoor Temperature 35°C DB/ 19°C WB
- Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
- Level Difference of Zero

- Indoor Temperature 20°C DB/ 15°C WB
- Outdoor Temperature 7°C DB/ 6°C WB
- Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
- Level Difference of Zero

2) Capacities are Net Capacities.

3) Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

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Mini 4Way Cassette



				S-inverter			
Model	Indoor Unit		TH026EAV1	TH035EAV1	TH052EAV1	TH060EAV1	
	Outdoor Unit		UH026EAV1	UH035EAV1	UH052EAV1	UH060EAV1	
Capacity (Min./Standard/Max.)	Cooling	Watts	990/2,600/3,500	990/3,500/4,200	1,600/4,700/6,000	1,800/5,800/6,500	
	Heating	Watts	980/3,300/4,600	980/4,000/5,000	1,300/5, 500/9,000	1,800/7,000/10,000	
Power Input (Min./Standard/Max.)	Cooling	Watts	260/730/1,100	260/1,090/1,400	500/1,460/2,200	550/1,930/2,100	
	Heating	Watts	240/900/1,400	250/1,100/1,400	480/1,590/3,200	510/2,180/3,700	
E.E.R	Cooling	W/W	3.56(A)	3.21(A)	3.22(A)	3.01(B)	
	Heating	W/W	3.67(A)	3.64(A)	3.53(B)	3.21(C)	
Running Current (Min./Standard/Max.)	Cooling	Amps	1.6/3.4/5.1	1.6/5.0/6.4	2.4/6.7/10.0	2.7/8.8/9.4	
	Heating	Amps	1.5/4.3/6.6	1.5/5.1/6.7	2.6/7.4/15.0	2.6/10.5/16.6	
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	
	Gas	mm (inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	15.88(5/8)	
Power Supply	ØV/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Indoor Unit							
Model			TH026EAV1	TH035EAV1	TH052EAV1	TH060EAV1	
Panel			PMSMA	PMSMA	PMSMA	PMSMA	
Fan Type			Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	
Air Flow Rate	High	m³/min	11.0	12.0	12.9	13.6	
Set	Dimension (Net)	WxHxD	mm	575X260X575	575X260X575	575X260X575	
	Dimension (Gross)	WxHxD	mm	660X310X635	660X310X635	660X310X635	
	Weight (Net/Gross)		kg	17/20	17/20	17/20	
	Dimension (Net)	WxHxD	mm	670X35X670	670X35X670	670X35X670	
Panel	Dimension (Gross)	WxHxD	mm	717X93X717	717X93X717	717X93X717	
	Weight (Net/Gross)		kg	2.6/4.2	2.6/4.2	2.6/4.2	
Sound Pressure Level ^(*)	High/Low	dB(A)	30/25	34/27	41/33	41/33	
Indoor Filter			Default	Default	Default	Default	
Outdoor Unit							
Model			UH026EAV1	UH035EAV1	UH052EAV1	UH060EAV1	
Compressor			SINGLE BLDC	SINGLE BLDC	TWIN BLDC	TWIN BLDC	
Refrigerant	Type		R410A	R410A	R410A	R410A	
Set	Dimension (Net)	WxHxD	mm	790X548X285	790X548X285	880X638X310	
	Dimension (Gross)	WxHxD	mm	938X610X382	938X610X382	1,023X704X413	
	Weight (Net/Gross)		kg	35.5/38	35.5/38	50/53	
Sound Pressure Level		dB(A)	47	47	49	52	
Temperature Range	Cooling	°C	-10~43	-10~43	-15~43	-15~43	
	Heating	°C	-15~24	-15~24	-20~24	-20~24	
Quantity of Ref.		g	950	950	1,450	1,900	
Extension Length (total)		m	20	20	50	50	
Extension Length (elevation)		m	15	15	30	30	
Standard		m	5	5	5	5	
Additional Ref.		g/m	0	0	30	30	

Optional Accessories



Slim Duct



				S-inverter			
Model	Indoor Unit		EH035EAV1	EH052EAV1	EH070EAV1		
	Outdoor Unit		UH035EAV1	UH052EAV1	UH070EAV2		
Capacity (Min./Standard/Max.)	Cooling	Watts	980/3,500/4,200	1,700/5,000/6,000	2,200/7,100/8,000		
	Heating	Watts	980/4,000/5,200	1,500/6,000/8,000	1,900/8,000/11,000		
Power Input (Min./Standard/Max.)	Cooling	Watts	260/1,150/1,400	420/1,550/1,950	580/2,210/2,650		
	Heating	Watts	210/1,105/1,700	360/1,650/2,700	550/2,150/3,600		
E.E.R	Cooling	W/W	3.04(B)	3.23(A)	3.21(A)		
	Heating	W/W	3.62(A)	3.64(A)	3.62(A)		
Running Current (Min./Standard/Max.)	Cooling	Amps	1.7/5.3/6.4	2.5/7.0/8.5	2.9/10.0/12.0		
	Heating	Amps	1.3/5.1/7.9	2.1/7.5/12.0	2.8/10.0/16.5		
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)		
	Gas	mm (inch)	9.52(3/8)	12.7(1/2)	15.88(5/8)		
Power Supply	ØV/Hz		1/220-240/50	1/220-240/50	1/220-240/50		
Indoor Unit							
Model			EH035EAV1	EH052EAV1	EH070EAV1		
Fan Type			Sirocco fan	Sirocco fan	Sirocco fan		
Air Flow Rate	High	m³/min	11.0	16.5	19.6		
External Static Pressure (Min./Standard/Max.)		mmAq	0/2/4	0/2/4	0/2/4		
Set	Dimension (Net)	WxHxD	mm	900X199X600	1,100X199X600		
	Dimension (Gross)	WxHxD	mm	1,133X333X722	1,330X330X730		
	Weight (Net/Gross)		kg	26/31	31/39		
	Dimension (Net)	WxHxD	mm	670X35X670	670X35X670		
Sound Pressure Level ^(*)	High/Low	dB(A)	32/27	33/30	36/32		
Drain Pump Kit (Option)			MDP-E075SEE	MDP-E075SEE	MDP-E075SEE		
Indoor Filter			Default	Default	Default		
Outdoor Unit							
Model			UH035EAV1	UH052EAV1	UH070EAV2		
Compressor			SINGLE BLDC	TWIN BLDC	TWIN BLDC		
Refrigerant	Type		R410A	R410A	R410A		
Set	Dimension (Net)	WxHxD	mm	790X548X285	880X638X310		
	Dimension (Gross)	WxHxD	mm	938X610X382	1,023X704X413		
	Weight (Net/Gross)		kg	35.5/38	50/53		
Sound Pressure Level		dB(A)	47	49	50		
Temperature Range	Cooling	°C	-10~43	-15~43	-15~43		
	Heating	°C	-15~24	-20~24	-20~24		
Quantity of Ref.		g	950	1,450	1,900		
Extension Length (total)		m	20	50	50		
Extension Length (elevation)		m	15	30	30		
Standard		m	5	5	5		
Additional Ref.		g/m	0	30	30		

Optional Accessories



Standard Accessories



Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
- Capacities are Net Capacities.
- Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 - * Specifications are subject to change without prior notice for product improvement.

Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
- Capacities are Net Capacities.
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MSP Duct



		R-inverter				
Model	Indoor Unit		DH052EAS	DH070EAS	DH090EAS	DH105EAS
	Outdoor Unit		UH052EAS	UH070EAS	UH090EAS	UH105EAS
Capacity (Min./Standard/Max.)	Cooling	Watts	1,600/5,000/6,000	2,200/7,100/8,000	3,100/9,000/10,000	3,200/10,500/12,000
	Heating	Watts	1,500/6,000/9,000	1,900/8,000/10,500	2,900/9,500/13,000	2,000/11,200/15,500
Power Input (Min./Standard/Max.)	Cooling	Watts	540/1,550/1,950	700/2,720/3,070	850/3,200/3,600	830/3,730/4,210
	Heating	Watts	500/1,750/3,000	620/2,490/3,670	680/2,960/4,650	740/3,720/6,600
E.E.R	Cooling	W/W	3.23(A)	2.81(C)	2.81(C)	2.81(C)
	Heating	W/W	3.43(B)	3.21(C)	3.21(C)	3.01(D)
Running Current (Min./Standard/Max.)	Cooling	Amps	2.7/7.1/8.7	3.1/12.4/13.7	3.82/14.0/15.8	3.6/16.5/18.5
	Heating	Amps	2.5/8.0/13.5	2.71/11.4/16.3	3.1/13.0/20.5	3.2/16.5/29.0
Piping Connection	Liquid	mm (inch)	6.35	6.35	9.52(3/8)	9.52
	Gas	mm (inch)	12.70	15.88	15.88(5/8)	19.05
Power Supply	ØV/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Indoor Unit						
Model			DH052EAS	DH070EAS	DH090EAS	DH105EAS
Fan Type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air Flow Rate	High	m³/min	16.5	21	24	24
External Static Pressure (Min./Standard/Max.)			0/4/8	0/4/8	0/6/8	0/6/8
	Dimension (Net)	WxHxD mm	900X260X480	900X260X480	1,150X260X480	1,150X260X480
Set	Dimension (Gross)	WxHxD mm	1,146X363X584	1,146X363X584	1,390X345X575	1,396X363X584
	Weight (Net/Gross)	kg	29.5/34.5	29.5/34.5	33/40	34/40
Sound Pressure Level ^(*)	High/Low	dB(A)	37/33	38/34	39/35	40/33
Drain Pump Kit (Option)			MDP-M075SGU3	MDP-M075SGU3	MDP-M075SGU1	MDP-M075SGU1
Indoor Filter			Default	Default	Default	Default
Outdoor Unit						
Model			UH052EAS	UH070EAS	UH090EAS	UH105EAS
Compressor			TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A	R410A	R410A
	Dimension (Net)	WxHxD mm	880X638X310	880X638X310	880x950x320	932X1,128X375
Set	Dimension (Gross)	WxHxD mm	1,023X704X413	1,023X704X413	1,043x1,062x411	1,091X1,286X472
	Weight (Net/Gross)	kg	50/53	50/53	78/85	95/110
Sound Pressure Level		dB(A)	49	52	52	56
Temperature Range	Cooling	°C	-15~43	-15~43	-15~50	-15~50
	Heating	°C	-20~24	-20~24	-20~24	-20~24
Quantity of Ref.		g	1,350	1,350	2,400	2,600
Extension Length (total)		m	30	30	75	75
Extension Length (elevation)		m	20	20	30	30
Standard		m	5	5	5	7.5
Additional Ref.		g/m	20	30	55	40

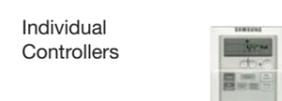
		S-inverter							
Model	Indoor Unit		DH052EAV1	DH070EAV1	DH090EAV	DH105EAV	DH105EAV	DH140EAV	DH140EAV
	Outdoor Unit		UH052EAV1	UH070EAV2	UH090EAV2	UH105EAV2	UH105GAV	UH140EAV2	UH140GAV
Capacity (Min./Standard/Max.)	Cooling	Watts	1,700/5,000/6,000	2,200/7,100/8,000	2,900/9,000/10,000	3,350/10,500/12,000	3,350/10,500/12,000	3,450/14,000/15,400	3,450/14,000/15,400
	Heating	Watts	1,700/6,000/8,300	1,900/8,000/11,000	2,400/9,500/11,400	2,600/11,200/15,500	2,600/11,200/15,500	3,750/16,000/19,500	3,750/16,000/19,500
Power Input (Min./Standard/Max.)	Cooling	Watts	550/1,560/1,950	580/2,210/2,650	800/2,800/3,400	830/3,270/3,700	830/3,270/3,700	1,110/4,650/5,300	1,110/4,650/5,300
	Heating	Watts	480/1,760/2,750	550/2,150/3,600	700/2,780/5,500	740/3,100/5,500	740/3,100/5,500	1,020/4,430/5,800	1,020/4,430/5,800
E.E.R	Cooling	W/W	3.21(A)	3.21(A)	3.21(A)	3.21(A)	3.21(A)	3.01(B)	3.01(B)
	Heating	W/W	3.41(B)	3.72(A)	3.41(B)	3.61(A)	3.61(A)	3.61(A)	3.61(A)
Running Current (Min./Standard/Max.)	Cooling	Amps	3.1/7.5/9.3	2.9/10.0/12.0	3.5/12.4/15.0	3.6/15/16	3.6/15/16	4.8/20/23.4	4.8/20/23.4
	Heating	Amps	2.6/8.4/13.1	2.8/10.0/16.5	3.1/12.3/24.5	3.2/13.5/23.8	3.2/13.5/23.8	4.4/19.2/25.2	4.4/19.2/25.2
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52	9.52
	Gas	mm (inch)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88	19.05(3/4)	19.05
Power Supply	ØV/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	3/380-415/50	1/220-240/50	3/380-415/50
Indoor Unit									
Model			DH052EAV1	DH070EAV1	DH090EAV	DH105EAV	DH105EAV	DH140EAV	DH140EAV
Fan Type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air Flow Rate	High	m³/min	16.5	19.6	24	28.1	27.5/28.1	36.8	35.6/36.8
External Static Pressure (Min./Standard/Max.)			0/4/8	0/4/10	0/6/8	0/8/12	0/8/12	0/8/14	0/8/14
	Dimension (Net)	WxHxD mm	900X260X480	1,150X260X480	1,150X260X480	1,150X320X480	1,150X320X480	1,200X360X650	1,200X360X650
Set	Dimension (Gross)	WxHxD mm	1,146X363X584	1,390X345X575	1,396X424X524	1,396X424X524	1,396X584X424	1,447X425X769	1,447X425X769
	Weight (Net/Gross)	kg	29.5/34.5	34/40	33/39	39/46	39/46	55/60	55/60
Sound Pressure Level ^(*)	High/Low	dB(A)	37/33	39/35	39/35	39/35	39/35	43/38	43/38
Drain Pump Kit (Option)			MDP-M075SGU3	MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU2	MDP-M075SGU2
Indoor Filter			Default	Default	Default	Default	Default	Default	Default
Outdoor Unit									
Model			UH052EAV1	UH070EAV2	UH090EAV2	UH105EAV2	UH105GAV	UH140EAV2	UH140GAV
Compressor			TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Dimension (Net)	WxHxD mm	880X638X310	880X798X310	932x1,128x375	932x1,128x375	930X1,135X375	932x1,128x375	930X1,135X375
Set	Dimension (Gross)	WxHxD mm	1,023X704X413	1,038X861X406	1,091x1,286x472	1,091x1,286x472	1,060X1,268X487	1,091x1,286x472	1,060X1,268X487
	Weight (Net/Gross)	kg	50/53	57/61	95/110	95/110	105/120	105/120	105/120
Sound Pressure Level		dB(A)	49	50	52	53	56	55	59
Temperature Range	Cooling	°C	-15~43	-15~43	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
Quantity of Ref.		g	1,450	1,900	2,600	2,800	2,800	3,100	2,800
Extension Length (total)		m	50	50	75	75	75	75	75
Extension Length (elevation)		m	30	30	30	30	30	30	30
Standard		m	5	5	7.5	7.5	7.5	7.5	7.5
Additional Ref.		g/m	30	30	40	40	40	40	40

INDOOR UNITS - SPECIFICATION

Optional Accessories



Standard Accessories



Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Capacities are Net Capacities.
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Console

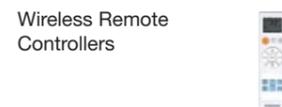


Model	Indoor Unit		S-inverter	
	Outdoor Unit		JH026EAV1	JH035EAV1
Capacity (Min./Standard/Max.)	Cooling	Watts	980/2,600/3,500	990/3,500/4,200
	Heating	Watts	950/3,500/4,700	990/4,000/5,000
Power Input (Min./Standard/Max.)	Cooling	Watts	240/670/1,050	270/1,090/1,350
	Heating	Watts	220/970/1,300	240/1,108/1,350
E.E.R	Cooling	W/W	3.88(A)	3.21(A)
	Heating	W/W	3.93(A)	3.63(A)
Running Current (Min./Standard/Max.)	Cooling	Amps	1.6/3.3/5.0	2.0/5.2/6.2
	Heating	Amps	1.4/4.7/6.3	1.6/5.3/6.6
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)
	Gas	mm (inch)	9.52(3/8)	9.52(3/8)
Power Supply		ØV/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model			JH026EAV1	JH035EAV1
Fan Type			Turbo Fan	Turbo Fan
Air Flow Rate	High	m³/min	8.1	9
Set	Dimension (Net)	WxHxD mm	720X620X199	720X620X199
	Dimension (Gross)	WxHxD mm	810X710X295	810X710X295
	Weight (Net/Gross)	kg	14.5/18.5	14.5/18.5
Sound Pressure Level	High/Low	dB(A)	38/23	39/24
Indoor Filter(Catechin, Deodorizing)			Default	Default
Outdoor Unit				
Model			UH026EAV1	UH035EAV1
Compressor			SINGLE BLDC	SINGLE BLDC
Refrigerant	Type		R410A	R410A
Set	Dimension (Net)	WxHxD mm	790X548X285	790X548X285
	Dimension (Gross)	WxHxD mm	938X610X382	938X610X382
	Weight (Net/Gross)	kg	35.5/38	35.5/38
Sound Pressure Level		dB(A)	47	47
Temperature Range	Cooling	°C	-10~43	-10~43
	Heating	°C	-15~24	-15~24
Quantity of Ref.		g	950	950
Extension Length (total)		m	20	20
Extension Length (elevation)		m	15	15
Standard		m	5	5
Additional Ref.		g/m	0	0

Optional Accessories



Standard Accessories



Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
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Ceiling

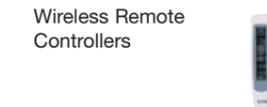


Model	Indoor Unit		S-inverter	
	Outdoor Unit		FH052EAV1	FH070EAV1
Capacity (Min./Standard/Max.)	Cooling	Watts	1,700/5,000/5,600	2,000/7,100/8,000
	Heating	Watts	1,700/6,000/8,000	2,000/8,000/10,500
Power Input (Min./Standard/Max.)	Cooling	Watts	480/1,660/1,900	610/2,520/2,900
	Heating	Watts	430/1,870/3,050	580/2,750/3,700
E.E.R	Cooling	W/W	3.01(B)	2.82(C)
	Heating	W/W	3.21(C)	2.81(D)
Running Current (Min./Standard/Max.)	Cooling	Amps	2.8/7.8/9.0	3.0/11.5/13.0
	Heating	Amps	2.4/8.8/14.5	2.9/12.5/17.0
Piping Connection	Liquid	mm (inch)	6.35(1/4)	6.35(1/4)
	Gas	mm (inch)	12.7(1/2)	15.88(5/8)
Power Supply		ØV/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model			FH052EAV1	FH070EAV1
Fan Type			Sirocco fan	Sirocco fan
Air Flow Rate	High	m³/min	14.5	16.0
Set	Dimension (Net)	WxHxD mm	1,000X200X650	1,000X200X650
	Dimension (Gross)	WxHxD mm	1,074X294X726	1,074X294X726
	Weight (Net/Gross)	kg	22/26	22/26
Sound Pressure Level	High/Low	dB(A)	38/32	41/36
Indoor Filter(Catechin, Deodorizing)			default	default
Outdoor Unit				
Model			UH052EAV1	UH070EAV2
Compressor			TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A
Set	Dimension (Net)	WxHxD mm	880X638X310	880X798X310
	Dimension (Gross)	WxHxD mm	1,023X704X413	1,038X861X413
	Weight (Net/Gross)	kg	50/54	57/63
Sound Pressure Level		dB(A)	49	50
Temperature Range	Cooling	°C	-15~43	-15~43
	Heating	°C	-20~24	-20~24
Quantity of Ref.		g	1,450	1,900
Extension Length (total)		m	50	50
Extension Length (elevation)		m	30	30
Standard		m	5	5
Additional Ref.		g/m	30	30

Optional Accessories



Standard Accessories



Notes

- Capacities are based on the following conditions.
 - Cooling : - Indoor Temperature 27°C DB/ 19°C WB
 - Outdoor Temperature 35°C DB/ 19°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Heating : - Indoor Temperature 20°C DB/ 15°C WB
 - Outdoor Temperature 7°C DB/ 6°C WB
 - Interconnecting Piping Length [7.0kW ↓: 5.0m, 9.0kW ↑: 7.5m]
 - Level Difference of Zero
 - Capacities are Net Capacities.
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02

CONTROL SYSTEMS



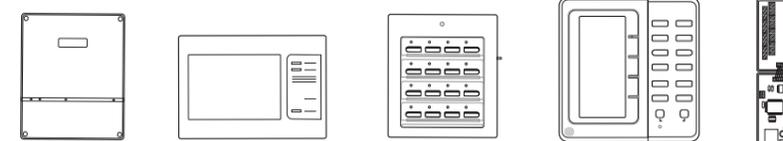
PROJECT
A.R. Quadri-Produzione Quadrielettrici

LOCATION
Arcore, Italy

TYPE
Office

Power of control, within your hands

Samsung's control system is the most convenient system in the industry. A variety of controllers have been introduced and improved to make controlling system air conditioners more simple and easy. With Samsung's innovative control system, your life will become easier.



02 / Introduction 04 / Brand Value 10 / Line-up 14 / S-Inverter Technology 16 / Indoor Units 46 / Control Systems

48 | Integrated Management System
56 | Centralized Control System
57 | Individual Control System
58 | Guest Room Management System
59 | DVM-Pro
60 | Accessories

Integrated Management System

For a relatively larger place with lots of indoor and outdoor units, you need a control solution, which is convenient to manage. Samsung's Integrated manage system is the perfect choice for managing large and middle-sized buildings.



DMS2 (Data Management Server 2)

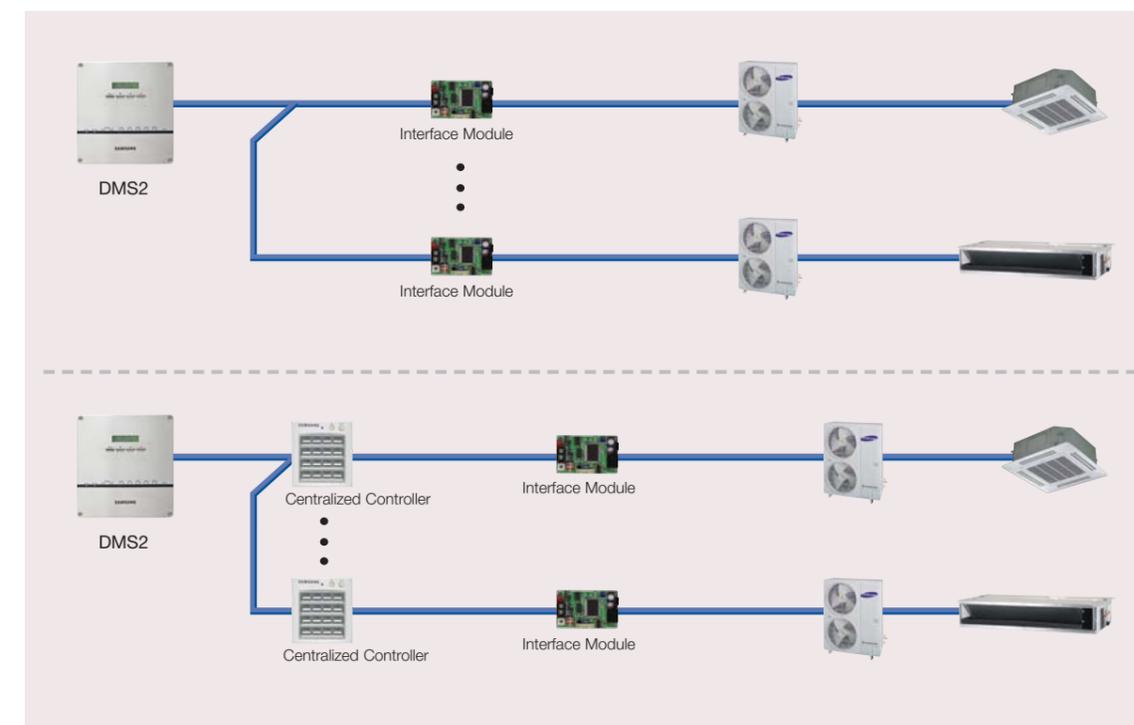
The newly improved Data Management Server has gotten smarter. It can manage a variety of different air conditioning units and the newly upgrade functions will automatically manage your air conditioning system.

MIM-D00A

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET3, S-NET Mini, Web-client)
- Individual/Group control of up to 256 indoor units including ERV, AHU
- User editable control logic
- Accessible level management
- Dynamic security management
- Operation & error history management
- Weekly/Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory & SD memory
- Emergency stop function with simple contact interface

* DMS2 is available from May, 2010.
This schedule is subjected to change.

DMS2 System



DMS2 (Data Management Server 2)

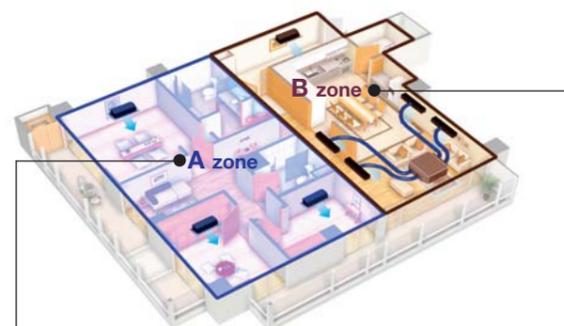
Easy control & Monitoring

- Control and monitoring of up to 256 indoor units via internet network
- Operation on/off
- Operation mode, fan speed, temperature setting
- ERV, AHU support



Smart central management

- Control & monitoring zone edition
- Wireless/wired remote control restriction
- Temperature limit setting
- Operation mode restriction



A zone

- Cooling only / No remote controller / Minimum setting temperature in cooling is 20°C

B zone

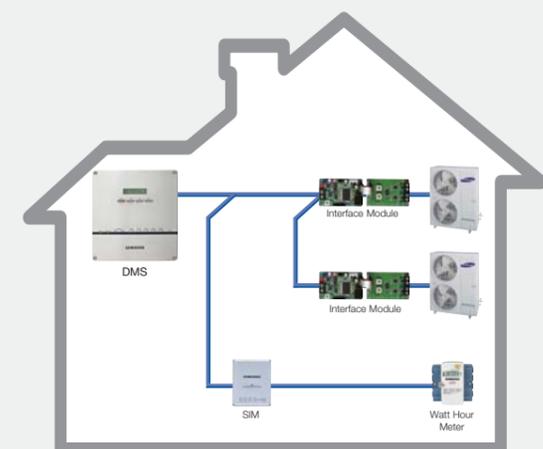
- Cooling only / Remote controller use

Flexible connectivity

- Indoor unit control via centralized controllers or interface modules directly
- Select connection point according to site

Small & Medium size

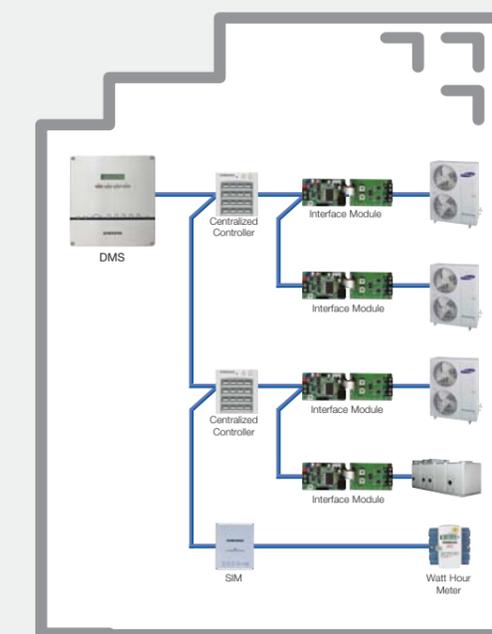
Connect interface module directly



Under 16 outdoor units

Large size

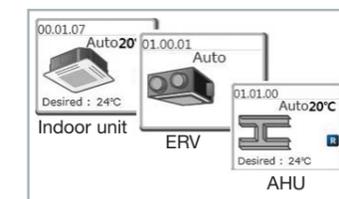
Connect centralized controllers



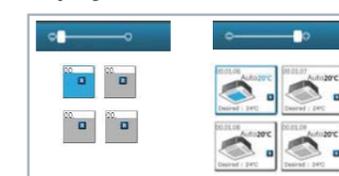
Over 16 outdoor units

Enhanced graphical display

User friendly icon-based unit control



Zoom in & Zoom out icon display



Color indication and icon makes it easy to recognize indoor unit state

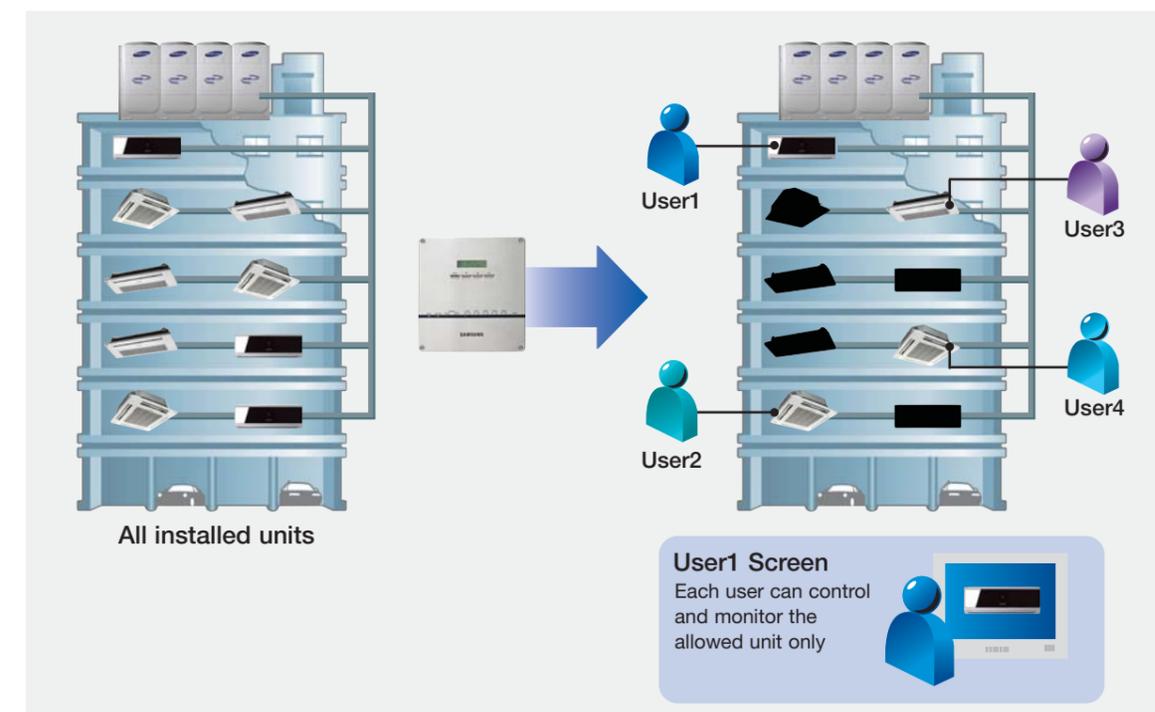


Convenient & stylish controller



Accessible level management

- It is possible to specify the scope of control and monitoring unit by each user.



DMS2 (Data Management Server 2)

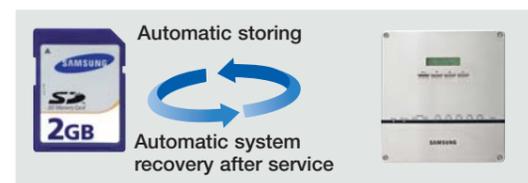
Dynamic user security management

- By ID and password, general user, manager and administrator can be registered separately. Administrators (Utility managers) have the authority to put accessible levels of DMS2 functions on users.

Functions	Admin	Manager	User
	Access all	Changeable	
Control / Monitoring	O	O	O
Zone management	O	O	X
Schedule	O	O	O
Power distribution	O	O	X
System configuration	O	X	X

Powerful data backup

- Important data is stored on SD memory card safely.
 - Indoor/outdoor unit name
 - Power distribution data
 - Operation history (On/Off by DMS)
 - DMS power On/Off history
 - System configuration
 - Others



Useful history management

- DMS2 records indoor unit operation and error occurrence history.
- It makes convenient to analyze air-conditioner operation and maintain units



Operation history

- Operation On/Off execution time
- Daily accumulated operation On time
- Schedule operation execution time



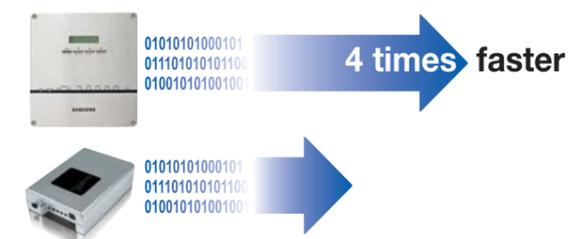
Error history

- Error occurred unit name
- Error details
- Error occurrence/clear time
- Error state (solved / unsolved)

Speed-up hardware improvement

Improved hardware makes you access your air-conditioner faster than ever before.

- CPU upgrade (800MHz)
- Ethernet 100base-T (100Mhz)
- RS485 communication channel increase (1 channel --> 5 channels)



Rapid & easy service response

- Real time malfunction state monitoring
- E-mail dispatches when malfunctions occur
- Remote monitoring of all units detail state (Outdoor unit / indoor unit cycle data).

Check	Address	Device type	Occurrence time	Troubleshooting time	Error No.	Status
<input type="checkbox"/>	00	caur	2009-11-12 18:26	2009-11-13 09:45	611	Resolved
<input type="checkbox"/>	01	caur	2009-11-12 18:26	2009-11-13 09:45	611	Resolved

Malfunction e-mail



Remote Service

Address	Unit No.	Mode	Current temp.	Desired temp.
00:00:00	00	Mode Dry	20°C	24°C
00:00:01	01	Mode Auto	20°C	24°C

User editable control logic

- User can edit control logic with arithmetic/conditional operators and parameters
- Efficient energy saving can be realized for various operation conditions.

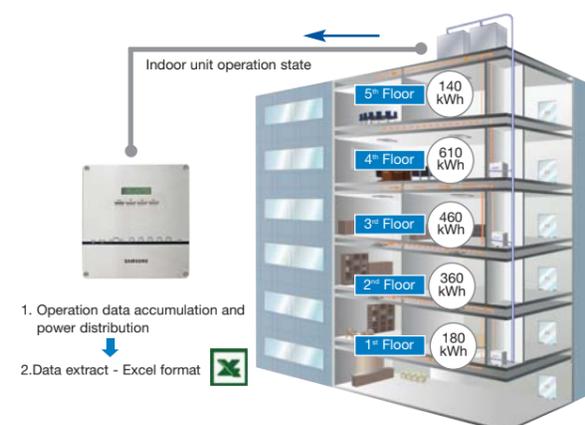


Ex) Energy saving function, Operation adjustment depending on outdoor temperature

Logic	Out temp < Room temp	Room temp < Out temp
Control	Turn ON ERV (Cool air intake Up)	Turn ON air conditioner

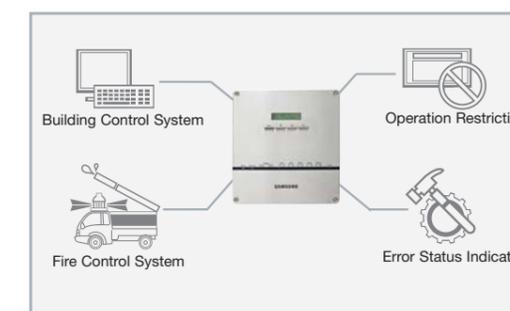
Power distribution system

- Power distribution to up to 256 indoor units.
- Data query for watt-hour, use time and use ratio.
- File save in Microsoft Excel format.
- 1-year worth of power distribution data storage.



Emergency contact control

- Interlock with emergency alarm system
- Indoor unit operation with simple contact input.
- Full unit control On/Off and restrict remote controller.
- State output (Operation/Error) for synchronous control.
- Extended contact control with 10 channels of input and output.



S-NET3

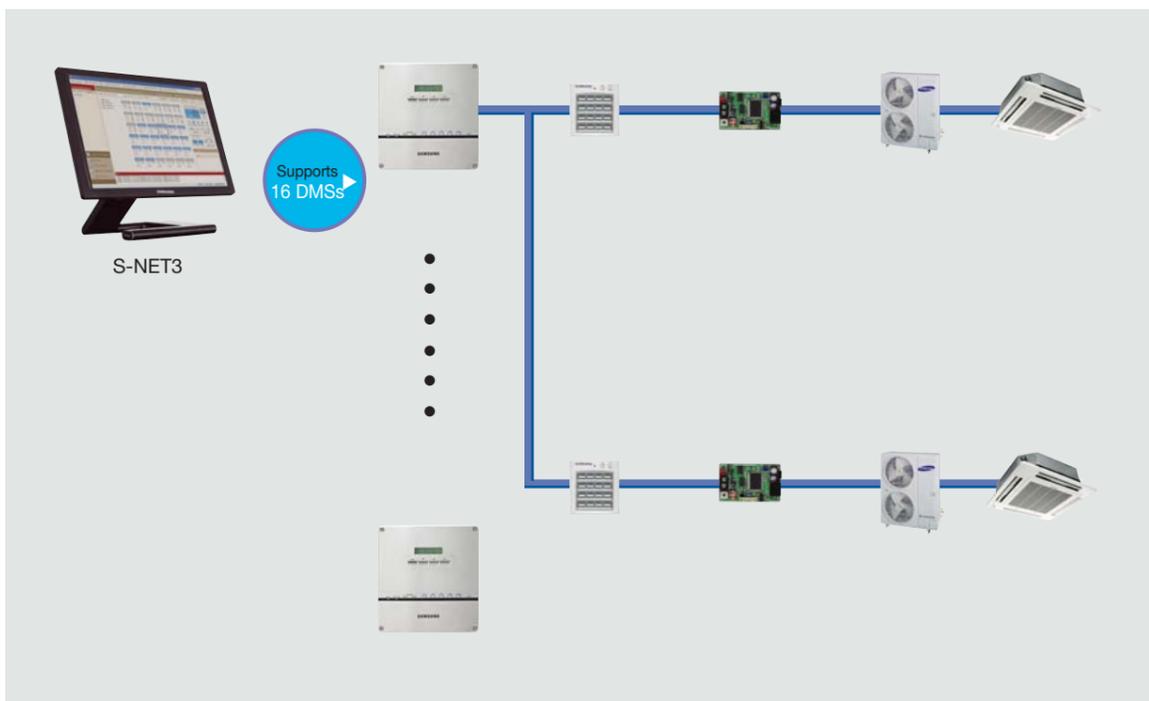
You can manage a group of buildings with S-NET3 through Data Management Servers that manage each building individually. S-NET3 provides flexible and complete control for a great variety of applications.



S-NET3

- Fully integrated PC management software.
- Up to 16 DMSs connection through the Ethernet.
- Central management of up to 4,096 indoor/heat exchange units.
- Schedule/Zone control.
- Error/Operation history management.
- Power distribution management and analysis.

S-NET3 System



S-NET mini

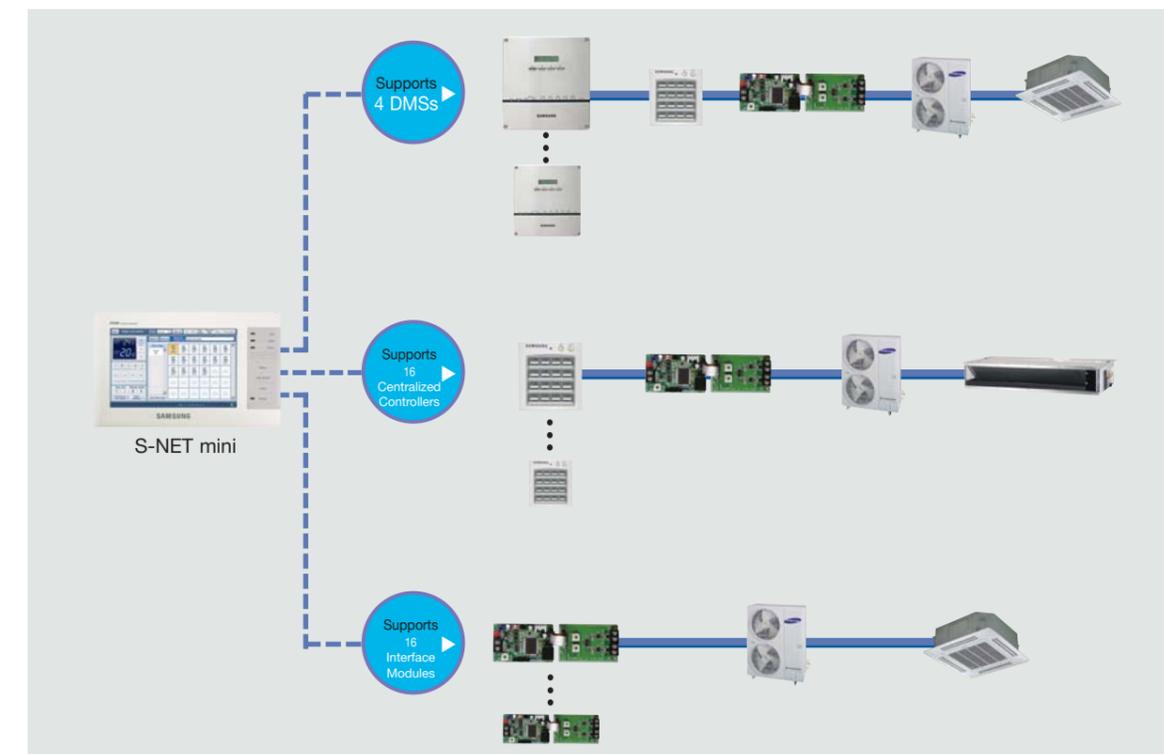
S-NET mini supports up to 4 DMSs to provide the same remote control functions as S-NET3 and this touch screen controller can be connected directly with system air conditioner through centralized controller or interface modules allowing up to 256 indoor units.



S-NET mini

- Dynamic compatibility options (DMS, centralized controller, interface module)
- Control and monitoring of up to 256 indoor units
- Detailed cycling information monitoring
- Schedule function (Weekly, Daily)
- USB keyboard support
- Error display
- 7-inch wide LCD display
- Temperature limit setting
- Touch screen
- Zone control
- Child-lock setting
- Operation mode lock
- External contact control

Dynamic Compatibility Option



Centralized Control System

Centralized control system is more than enough to control multiple groups and individual indoor units. With Samsung's centralized controller, conveniently and efficiently control the multiple or individual indoor units.

Control Systems Function Icon

-  ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING
-  INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)
-  ERROR DISPLAY
-  FILTER REPLACEMENT ALARM RESET



Individual Control System

There is a variety of wired and wireless controllers for convenient use of your air conditioners. With different control options, you can choose one that suits your air conditioning environment.

Control Systems Function Icon

-  ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING
-  BUILT-IN ROOM TEMPERATURE SENSOR
-  INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)
-  CHILD LOCK
-  ERROR DISPLAY
-  AUTOMATIC STOP MODE
-  FILTER REPLACEMENT ALARM RESET
-  WIRELESS REMOTE CONTROL RESTRICTION
-  SLEEP & SILENT MODE
-  CLEAR & BRIGHT SCREEN WITH LCD BACKLIGHT

Centralized Controller



MCM-A202B

- Maximum 16 group controls (Maximum 256 Indoor units)
- Unified/Individual indoor unit control (On/Off)
- Wireless/wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display

MCM-A202B has compatibility with MCM-A202A

Function Controller



MCM-A100



- Control and monitoring of up to 16 indoor unit groups

To use Function Controller, it requires to be connected to MCM-A202A

Interface Module



MIM-B04A

- Communicator between indoor/outdoor units and the centralized controller

Wired Remote Controller



MWR-WE00 (Multi function)



- Unified controller (A/C, ERV, A/C+ERV)
- Different permission levels
- Weekly schedule setting (A/C, ERV, A/C+ERV)
- Exception date setting



MWR-WH00



- Simple schedule control
- Different permission levels

Wireless Remote Controller



MR-CH01



- Simple schedule control
- Wide display
- Soft touch button

Guest Room Management System

The Guest Room Management System is a smart way to save energy and money. When the Key Tag is in place, the air conditioner is activated. When the Key Tag is removed, the air conditioner switches off. Now you can avoid cooling an unoccupied room and save energy.



DVM - Pro

(DVM, FJM, CAC Equipment Selection Software)

DVM-Pro consists of two kinds of software called DVM-Pro Sales and CAD mode.



External Contact Interface Module



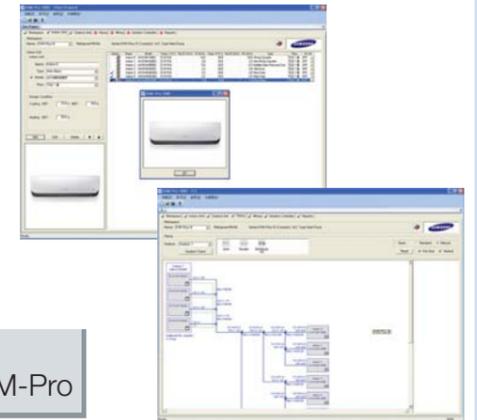
MIM-B14

- Direct indoor unit control by external contact signal
- Window-synchronized indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts



DVM-Pro Sales mode

- **Workspace:** Creation 'Project' & 'Workspace (DVM, FJM, CAC)'
- **Indoor Unit:** Indoor unit and accessory selection
- **Outdoor Unit:** Automatic selection and capacity simulation
- **Piping:** Basic, standard or manual selection with system check
- **Wiring:** Automatic diagram with communication wiring of indoor/outdoor/control units and electric power meters
- **Control system:** Automatic control unit selection
- **Report:** Specifications, diagrams and quotation

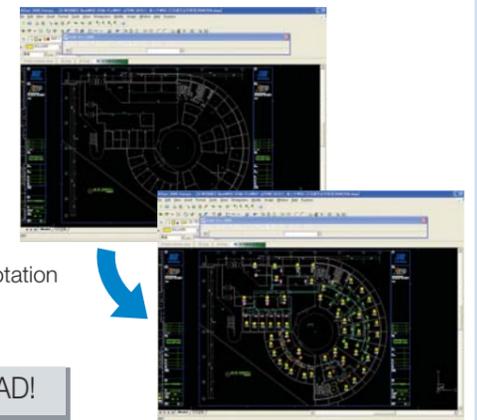


Download!

www.dvmsystem.com → Download Center → DVM-Pro

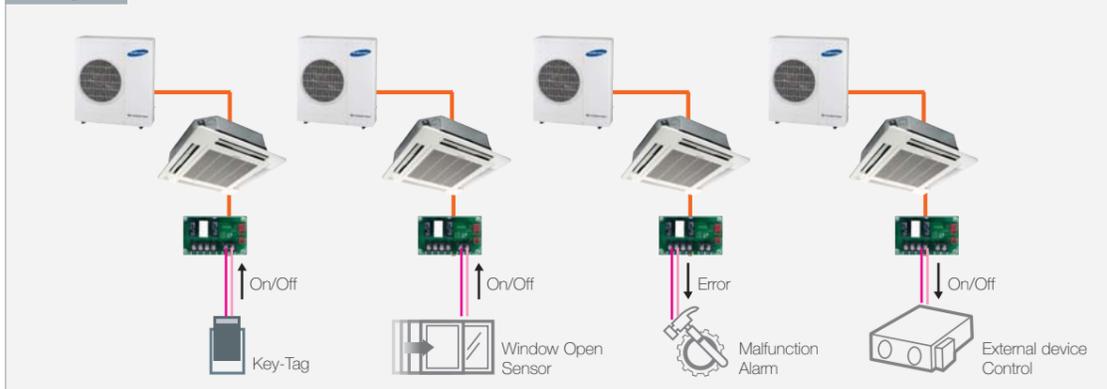
DVM-Pro CAD mode

- Quick, easy, precise design
- Compatibility with AutoCAD
- **Automatic calculation:** Refrigerant & drain pipe size
- **Automatic selection:** Refnet joint, header & distributor kit
- **System check:** Installation regulation & refrigerant addition
- **Simulation:** System capacities
- **Easy control system selection**
- **Automatic report:** Piping installation diagram, equipment list & quotation



Contact to Samsung HQ or Distributors for DVM-Pro CAD!

Example



(Wall mounted type indoor unit : Only the model including EEV supports state output function)

Accessories

Classification	Product	Model	Image	Application Model		
Integrated Management System	Controller	DMS2		DVM Series, FJM, CAC, ERV		
	Controller	S-NET3		DVM Series, FJM, CAC, ERV		
	Controller	S-NET mini		DVM Series, FJM, CAC, ERV		
Interface Module	SiM	MIM-B12		DVM Series, FJM		
Centralized Control System	Controller	Centralized Controller		DVM Series, FJM, CAC, ERV		
	Controller	Function Controller		DVM Series, FJM, CAC		
	Controller	Operation Mode Selection Switch		DVM Series (Except HR models)		
	Interface Module	Centralized Control Interface Module	MIM-B13B MIM-B04A	 	Mini DVM(R410A), DVM PLUS II, DVM PLUS II HR, DVM PLUS III, DVM PLUS III HR, FJM, ERV DVM, DVM PLUS, DVM HR, CAC	
Individual Control System	Controller	Wireless Remote Controller		Cassette, Ceiling, Duct (Receiver needed), Console (Included)		
	Controller	Wired Remote Controller (Multi Function)		Cassette, Wall Mounted, Ceiling, Duct, Console		
	Controller	Wired Remote Controller		Cassette, Wall Mounted, Ceiling, Duct, Console		
	Controller	Simplified Wired Remote Controller		Cassette, Wall Mounted, Ceiling, Duct, Console		
	Controller	Wireless Signal Receiver Kit	Wireless Signal Receiver Receiver Wire	MRK-A00 MRW-10A	 	Duct (For Wireless Remote Controller) Duct (For Wireless Remote Controller)
	Controller	7-day Scheduler		MWR-BS00	Centralized Controller	
	Controller	External Room Sensor		MRW-TA	Cassette, Wall Mounted, Ceiling, Duct, Console	
Building Management System	Lonworks Interface Module		MIM-B07	DVM Series, FJM		
Guest Room Management System	Key-tag Interface Module		MIM-B02	DVM Series, FJM (Non MH***FXEA*B)		
	External Contact Interface Module		MIM-B14	CAC, Mini DVM(R410A), DVM PLUS II, DVM PLUS II HR, DVM PLUS III, DVM PLUS III HR, FJM(Non MH***FXEA)		
Power Distribution	Power Distribution Unit		MCM-B102	DVM Series, FJM		

DVM Series : Mini DVM, DVM, DVM PLUS, DVM HR, DVM PLUS II, DVM PLUS II HR, DVM PLUS III, DVM PLUS III HR

Icon Index

Wall-mounted Type Icon

	Auto Roof Shutter Air conditioner automatically seals off to prevent dirt infiltration.		Micro Plasma Ionizer Virus Doctor Virus Doctor generates Hydrogen atoms and Oxygen ions to create healthier air.
	DNA Filter The DNA structure possesses qualities in absorbing and eliminating microscopic carcinogenic agents.		Good'sleep II Control the air temperature during your sleep to enjoy a comfortable sleep and refreshed wake up.

Cassette Type Icon

	WIDE BLADE Wider blades provide more even cooling power.		CEILING SOILING PREVENTION Newly designed panel prevents ceiling contamination.		FRESH AIR INTAKE Optional air intake motor brings in fresh air from outside.
	HIGH LIFT-UP DRAIN PUMP Lift-up condensed water up to 750mm higher than any other competitor.		QUICK CONNECTION OF DRAIN PIPE Unique drain pipe connection is easy to install.		SUB DUCT The Sub Duct makes it easy to provide air conditioning to a nearby smaller space.

Duct Type Icon

	ANTI-BACTERIA FILTER Anti-bacteria Filter traps dust particles and suppresses proliferation of molds and bacteria.		EASY FILTER CLEANING Filter cleaning indicator will let you know when the filter needs to be cleaned.		HIGH LIFT-UP DRAIN PUMP Lift-up condensed water up to 750mm higher than any other competitor.
	SMART PRESSURE CONTROL Adjusts fan speed to provide constant cooling and heating performance.		WIRED REMOTE CONTROLLER Default wired remote controller is provided.		

Floor & Convertible Type Icon

	INTERIOR DESIGN The clean, modern design complements any decor.		ANTI-BACTERIA FILTER Anti-bacteria Filter traps dust particles and suppresses proliferation of molds and bacteria.		LIGHT WEIGHT UNIT Extremely lightweight, so maintenance and installation is easy.		AUTO CHANGEOVER Automatically changes operation mode according to temperature setting.
	FLEXIBLE PIPE INSTALLATION The pipe can be installed in 6 different places for more placement options.		SILENT MODE Indoor and outdoor unit operates silently.		WIRELESS REMOTE CONTROLLER Default wireless remote controller is provided.		

Control Systems Icon

	ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING		SLEEP & SILENT MODE		WIRELESS REMOTE CONTROL RESTRICTION		CHILD LOCK
	INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)		BUILT-IN ROOM TEMPERATURE SENSOR		CLEAR & BRIGHT SCREEN WITH LCD BACKLIGHT		
	FILTER REPLACEMENT ALARM RESET		ERROR DISPLAY		AUTOMATIC STOP MODE		