

2011
SAMSUNG
System Air
Conditioner

For Lasting Peace in Comfort, Samsung Air Conditioner

The Fresh, Purified air is one of the most important elements to stay healthy.
Samsung air conditioner lets you live in pleasant environment with completely
purified comfortable air.



SAMSUNG

Samsung is moving with and ahead of our customers

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

Best Global Brand

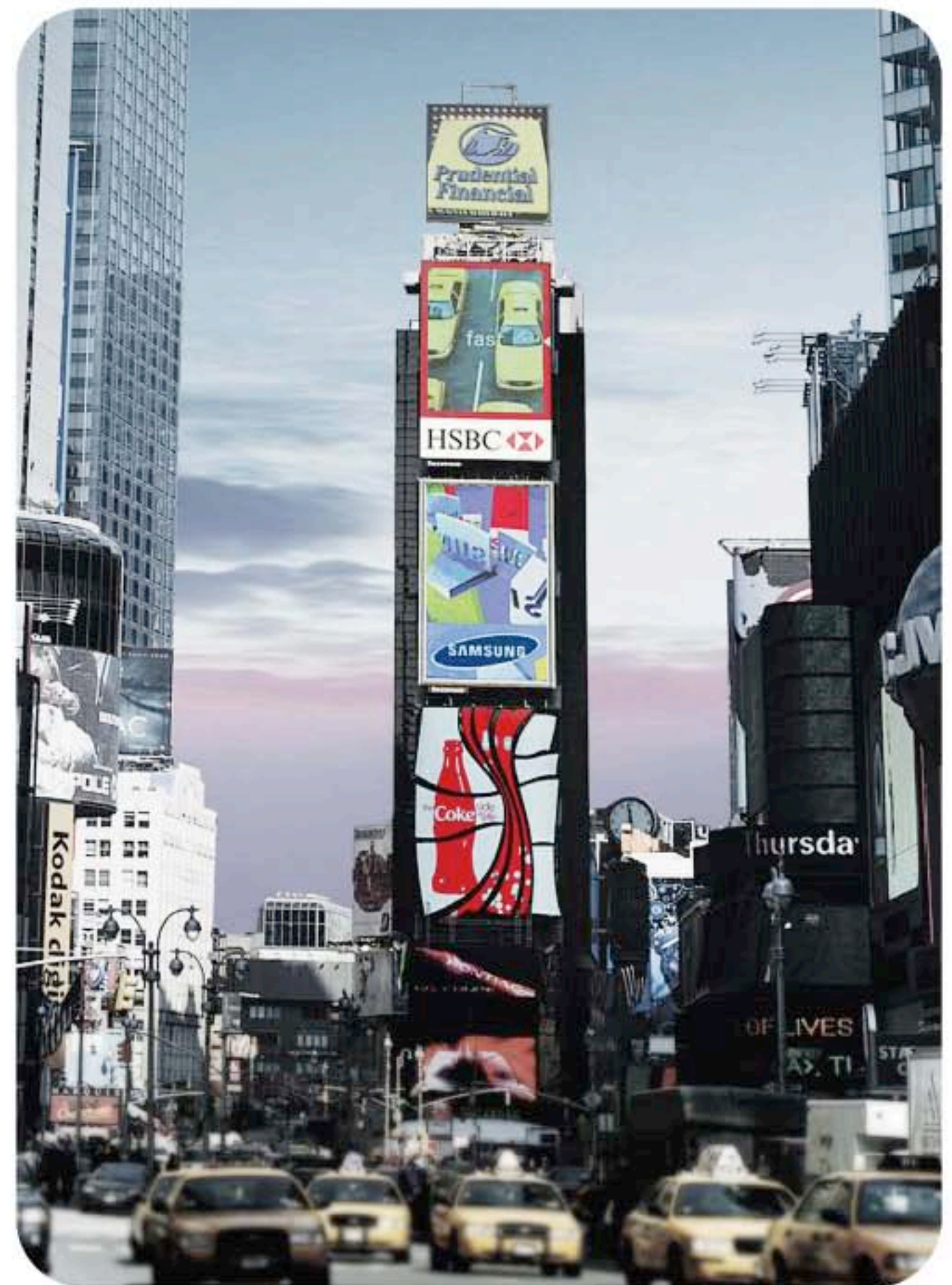


Samsung has overtaken Sony as the world's biggest producer of televisions and its strong product development has resulted in global leadership in the television segment. Samsung improved its position from third to the second leading player in mobile phones worldwide. The philosophy of bringing people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

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

Global Business Network

● 6 Global Operation Centers ● 7 Design Centers ● 11 Global Headquarters ● 4 HA R&D Centers



'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 and does not add to the greenhouse effect. Samsung's water-efficient washing machines also use less detergent and water without effecting cleanliness, helping to 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 saves 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 eco-friendly, Samsung's air conditioners use R-410a, an environmentally friendly refrigerant to help rid the air of pollutants and restrain the use of materials with high global warming potential (GWP). Samsung air conditioners have taken a leading role in reducing energy consumption and lowered significant amount of energy. These energy-efficient air conditioners not only save you money, but help conserve the environment.

World Widely Recognized!

Samsung Air Conditioner



Galeria de Innovación
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 Innovación". 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 has stood for qualitatively outstanding design awards for over 50 years. And Samsung's air conditioner with its 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 of function and beauty.



Comfort & Design
2010

Organized by Fiera Milano International, 37th Mostra Convegno Expocomfort / Expobagno 2010 aimed to reward 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 for the best product in the ceremony.

Received Certifications and awards



Global Operation of Samsung System Air Conditioner

Samsung system air conditioners are chosen by various groups from different countries all around the world for their proven performance.



Perfect System Air Conditioners for Anywhere

The various product lineups of Samsung system air conditioners offer the perfect solutions for different type of places with unique air conditioning needs.

Grocery Store, Belgium



DVM System



For Large Buildings

With a wide range of capacities and special features such as long piping and high level difference allowance, the DVM system is a perfect fit for large buildings and high-rise buildings in which the exterior is an important factor.

Outlet Store, Greece



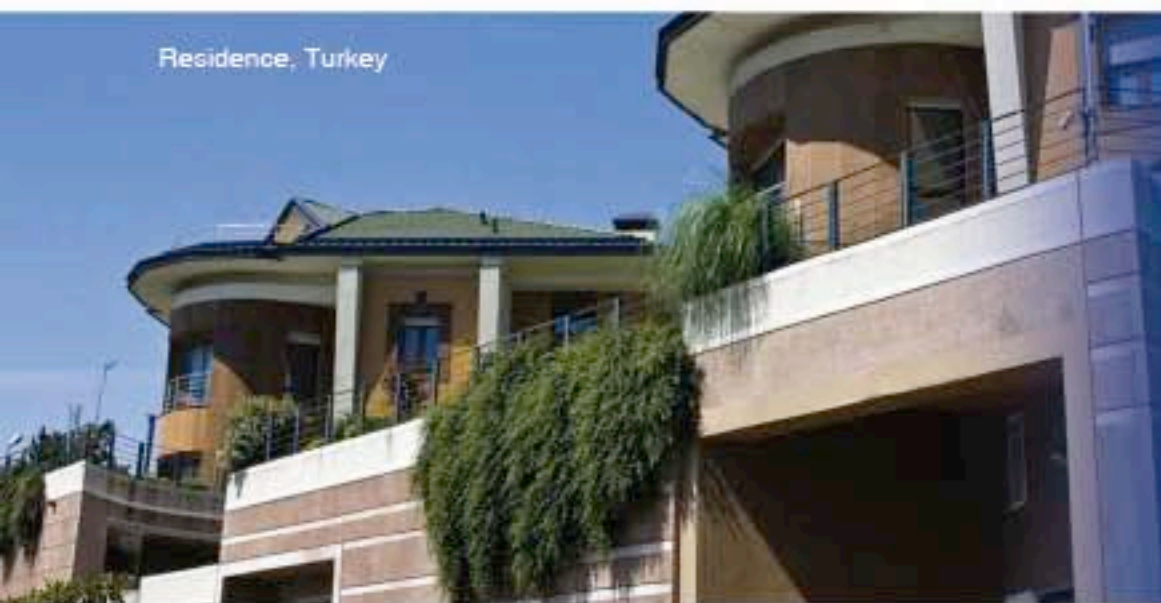
CAC System



For Commercial Places

A single outdoor unit connected to a single indoor unit, this system is more than enough to cool commercial places.

Residence, Turkey



FJM System



For Large Residential Places

This single outdoor unit supports up to 5 indoor units! Samsung's FJM system is best for large residential places with multiple rooms.

FJM System

Free Joint Multi SMART INVERTER

Single Outdoor Units for Multiple Indoor Units

The Free Joint Multi is the best solution for residential buildings seeking a flexible, efficient, and reliable air conditioning system. A single outdoor unit requires minimal installation space and can handle multiple indoor units to provide cooling and heating in different rooms.



Gyong Plaza, Hungary

Main Features

Universal

Free Joint Multi

The 2011 Free Joint Multi adds universal indoor units (Y & P series) that can be universally connected to single outdoor units.

You can now connect a greater variety of up to 5 indoor units to one outdoor unit.

One Outdoor Unit, Multiple Indoor Units

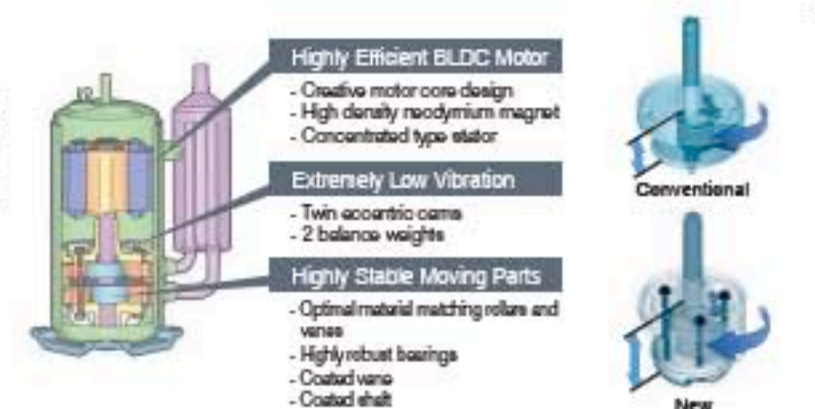
One outdoor unit supports up to 5 indoor units, forming systems that are ideal for large residential areas.



Universal Indoor Units: Y Series and P Series indoor units can be used with Single outdoor units.

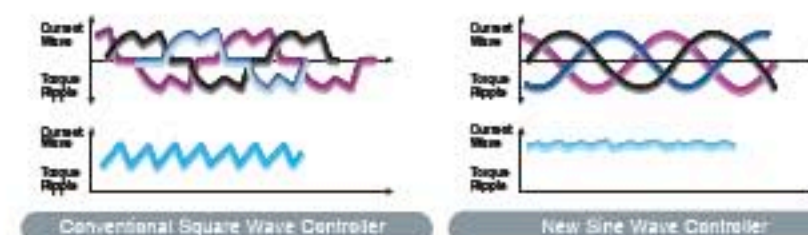
Twin BLDC Compressor

FJM outdoor units have applied Twin BLDC compressors with highly stable moving parts which reduce torque variation by 70% compared to the conventional single BLDC compressor.



Sine Wave Controller

All our FJM models have adopted this newly developed Sine Wave Controller. Smoother current waves result in a soft acoustic quality and overall noise reduction.



Sound Insulator for the Compressor

New, double layered sound insulation material fully covers the compressor to absorb and minimize the noise it generates for more quiet operation.

Easy Installation

This one button auto addressing solution makes installation easier for users to perform.

4 Way Cassette S

Smart and Stylish

NEW

General features



Features

New Improved Design

1 Stylish and Aesthetic Panel

The new 4Way Cassette S supports two panels with different pattern designs. You can select between the Waffle and Classic pattern, depending on your interior's look or personal preference.



2 Simple Display

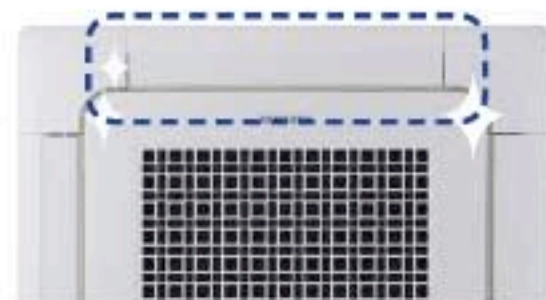
The simple display design with its rounded corners adds a neat and tidy feeling to your interior.



3 Neat and Clean Design

The new 4Way Cassette S uses a new neat and clean design. The completely hermetic blade structure keeps the indoor unit clean since it prevents dust or other foreign substances from entering it.

The internal parts of the indoor unit are also out of sight once the blade is shut, thus improving the unit's appearance.



S-Plasma Ion (Optional)

1 S-Plasma ion-Healthy Air Provider

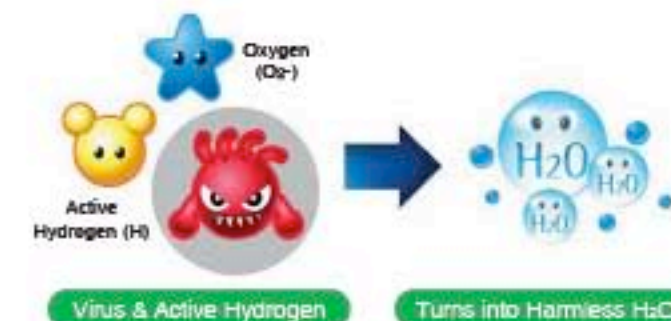
Sanitize your indoor air with Samsung's S-Plasma ion! Priority-filtered air is made even healthier through the S-Plasma ion device which eliminates airborne contaminants (such as bacteria, virus etc.) and neutralizes OH-radicals. This optional device can be easily installed by simply inserting the S-Plasma ion kit into the indoor unit.

S-Plasma ion



2 Operation & Algorithm

Active hydrogen (H) and oxygen ion (O₂⁻) emitted from the S-Plasma ion device react to viruses, turning them into harmless H₂O.



3 Benefits of the S-Plasma ion

- Eliminates airborne virus & bacteria (Subtype H1N1).
- Completely eradicates bacteria.
- Relieves allergies by eradicating airborne allergens.
- Neutralizes OH-radical (as known as active oxygen).

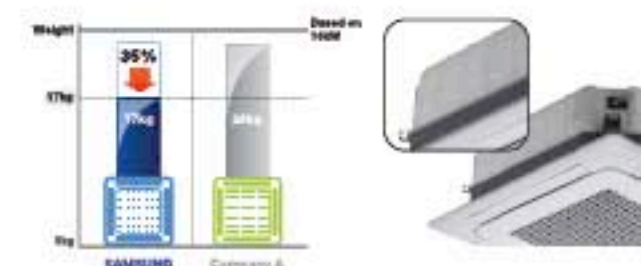


4 Safety from OH-radicals

Tests have shown that Samsung's S-Plasma ion neutralizes harmful OH-radicals. Ironically, it has been shown that our competitors' ionizing devices produce OH-radicals, which adversely affect human skin during the ionizing process.

Light yet Robust Design

Samsung's 4Way Cassette S indoor unit is now lighter in weight at 17kg. It is the lightest indoor unit in the industry, about 35% lighter than our competitors' products.



4 Way Cassette S

Smart and Stylish

Filter Cleaning Robot

The filter cleaning robot automatically cleans the filter on a regular basis. This ensures that the filter is always kept clean, unnecessary energy waste is minimized, and that your air will be as fresh as it can possibly be.



MDS (Motion Detect Sensor)

The MDS will detect the movement of people within the area so that the unit only operates when someone is in the area. This function will save energy since it minimizes unnecessary energy usage by stopping operation when the area is empty.



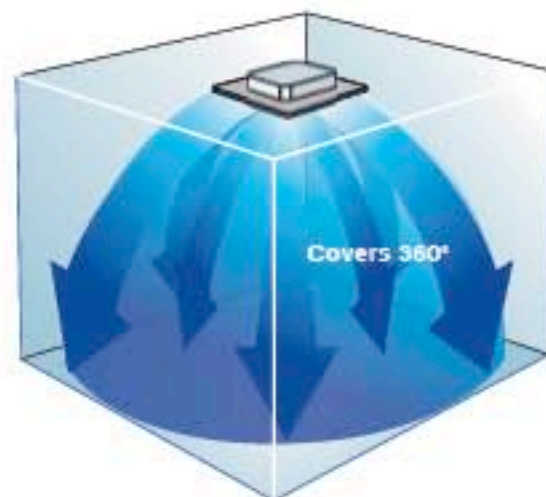
Individual Blade Control

By using the new remote controller, the opening angles of the 4 blades can be individually set at the same or different angles within a 32°~65° range for more efficient cooling.



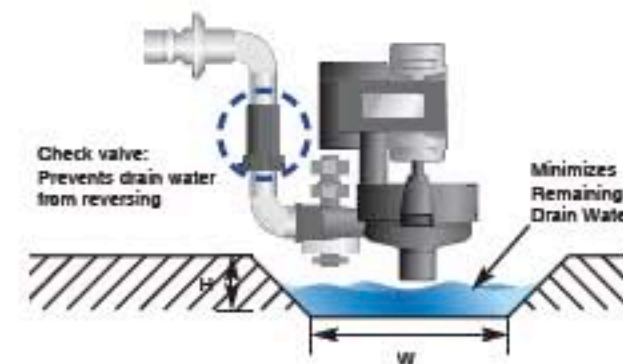
Surround Air Flow

The 4-way outlet can cool every portion of your interior. The new and practical design of the blades minimizes blind spots at the corners of the panel, and can almost cover a full 360° around the indoor unit.



No Overflowing Drain Water

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the the drain pan's water level so that you will never have to worry about water stagnation or overflowing drain water that could drip into your interior.



Easy Levelling

Each corner portion of the panel is detachable: this makes it easier for you to adjust the height, and makes installation and leveling much easier and quicker.



Easy Blade Cleaning

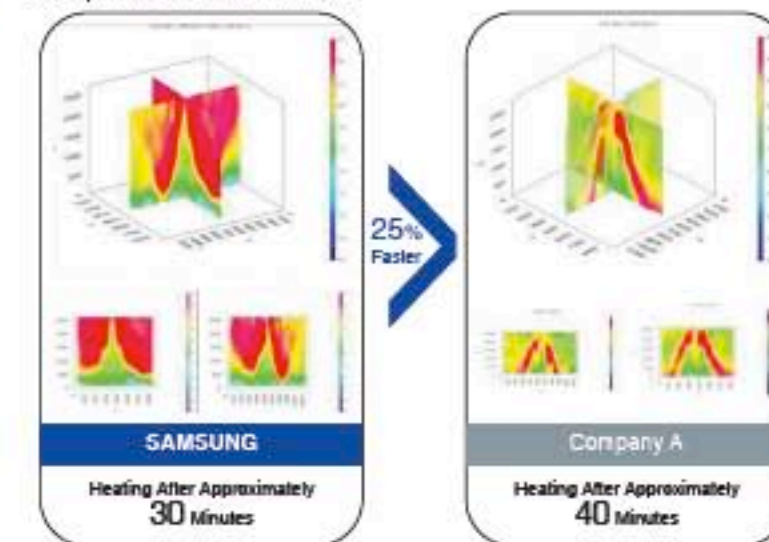
The 4Way Cassette S indoor units have detachable air flow blades so that you don't need to remove the entire panel to clean the blades.



Quick Cooling and Heating

Samsung's 4Way Cassette S indoor unit achieves the desired set temperature much faster than our competitors' products.

>Temperature Distribution Chart



4 Way Cassette

Evenly Distribute Cool Air

General features



Features

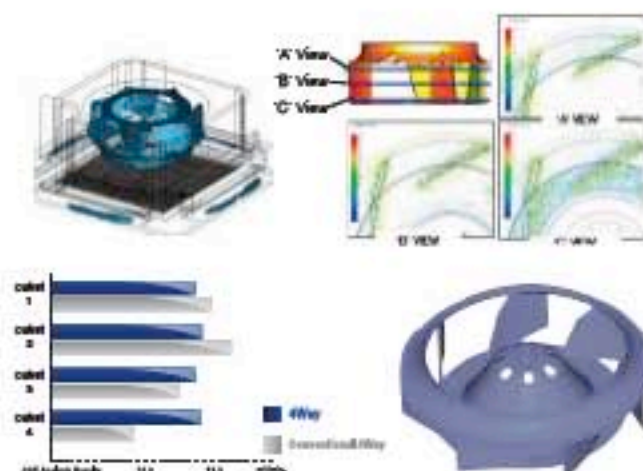
New Turbo Fan

1 Silent Operation

Imagine a room of cool calmness. The aerodynamically designed <Turbo Fan> minimizes noise from the turbulence of blade movement, meaning that our units make less noise than conventional models.

2 Uniform Distribution

The new <Turbo Fan> with wide blades provides extreme cooling and heating power from 4 separate outlets so the entire room cools down or warms up faster. This unit can extend comfort to every nook and cranny.



Efficient Cooling

The 3-dimensional shaped blade, which has a world wide patent, is able to evenly spread cool or warm air at greater distances, meaning that comfort can reach every inch of your interior space.



Easy Leveling

Each corner portion of the panel is detachable, which allows easier access to adjust the height. This makes leveling and installation much easier and quicker for you.

Detachable corners make installation and height adjustments much easier.



Mini 4 Way Cassette

Ideal and Efficient

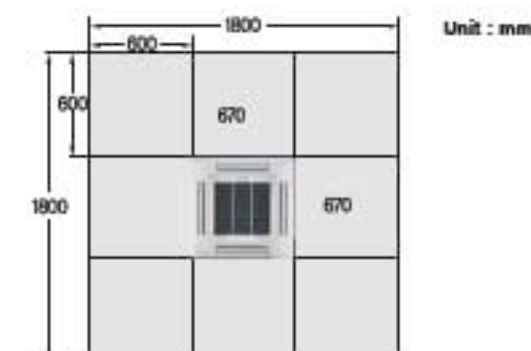
General features



Features

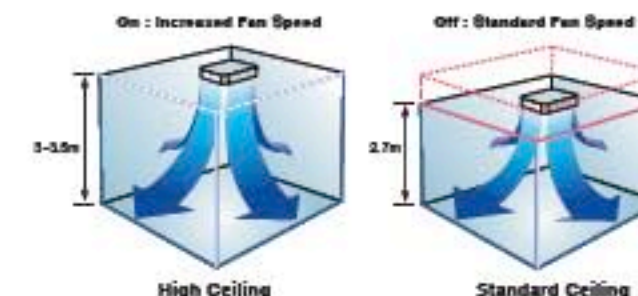
Ideal Compact Size

The Mini 4Way Cassette air conditioner can be installed on one standard ceiling tile (600Wx600D), which can reduce installation time.



Fan Speed Adjustment

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



Slim 1Way Cassette

Slim and Quiet

General features



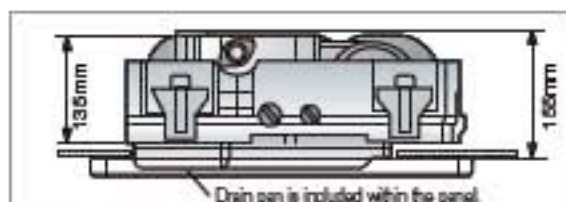
Features

Slim and Compact Design

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

1 Slim Design

Samsung's Slim 1Way Cassette indoor unit is only 135mm thick and can be installed on ceilings, taking up little space.



NOTE

Make sure that there is enough installation space. Allow at least 170mm for the installation.



2 Lighter Indoor Unit

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



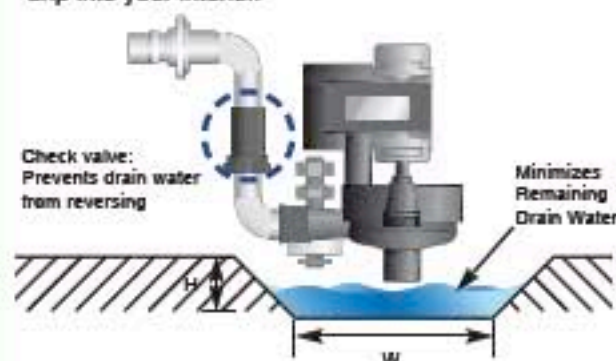
Quiet Operation

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



No Overflowing Drain Water

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the the drain pan's water level so that you will never have to worry about water stagnation or overflowing drain water that could drip into your interior.



2Way Cassette

Compact but Powerful

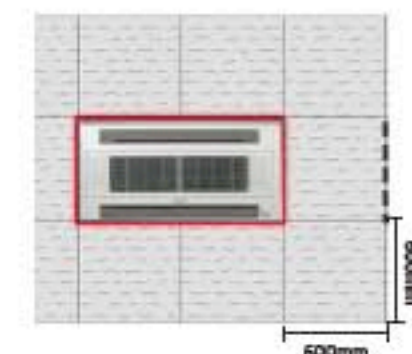
General features



Features

Standard Formula for Easy Installation

The dimensions of the 2Way Cassette air conditioner allow for easy installation into standard ceiling grids (600Wx600D) everything just falls into place.



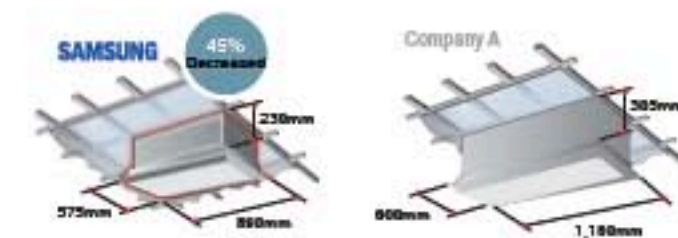
Twin Cross Flow Fan

The 2Way Cassette type unit is a perfect fit for long and narrow rectangular spaces. The Twin Cross Flow Fan inside the 2Way Cassette will spread cool or warm air even further and wider with less noise.



Small Size, Big Performance

The 2Way Cassette air conditioner is now 45% smaller than our competitors' models, making it even easier to incorporate into building design.



Duct Type

Hidden Source of Cool and Warm Air

Feel the power of cool air coming out from outlets that blend into the ceiling. This powerful indoor unit, concealed behind the ceiling, will constantly provide you with cool and warm air through multiple ducts, thanks to available variety of flexible installation options.



MSP Duct



Slim Duct



3 Star Hotel, Portugal

Icon Description

Clean Filter System

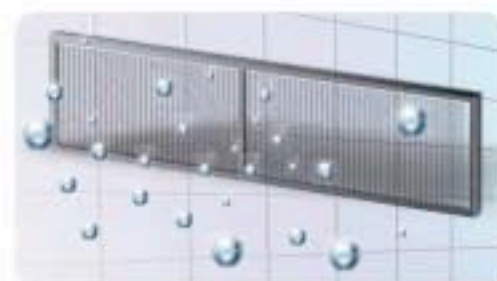
The anti-bacteria filter and the filter cleaning indicator provide you with cleaner, healthier air. Easily improve the quality of your life by breathing fresh air every day.

Anti-bacteria Filter



Anti-bacteria Filter

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



Easy Filter Cleaning



Easy Filter

After 1,000 hours of operation, the filter clean indicator will notify 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.)

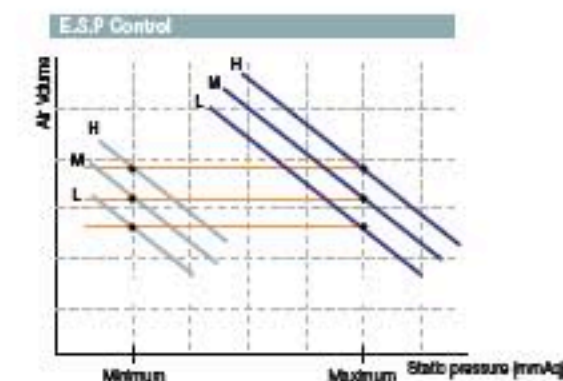


Smart Pressure Control



Smart Control

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

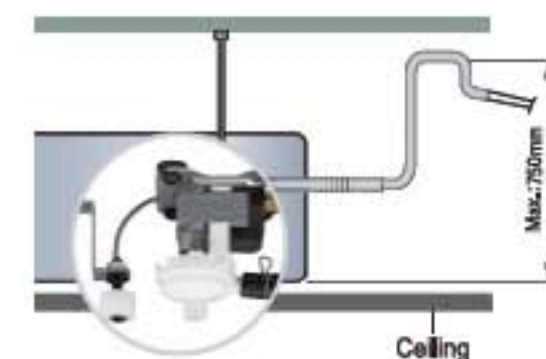


High Lift-up Drain Pump (Optional)



High Lift-up

The lift-up drain pump lifts condensed water up to 750mm, compared to our competitors' limit of 700mm, allowing for flexible and convenient installation.



MSP Duct

Silent with Pressure Control

General features



Features

Narrow Width

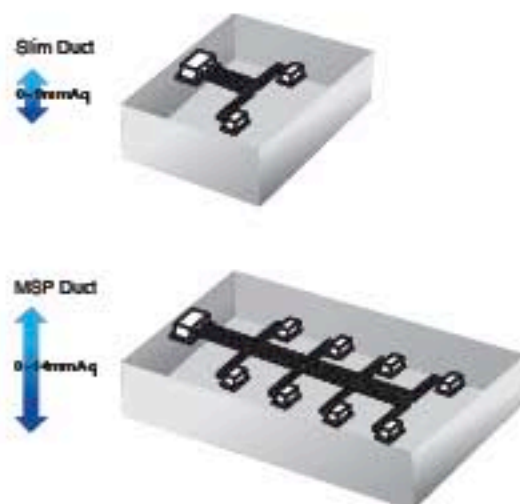


Silent Operation with the Static Pressure Control

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

Strong and Large Coverage Area

The MSP duct features greater static pressure than most slim ducts: this enables you to design more inlets and outlets with longer duct work to provide even more cool or warm air to larger areas.



Easy to Maintain

Time and maintenance costs are reduced since parts are easily accessible.



Slim Duct

Slim and Flexible

General features

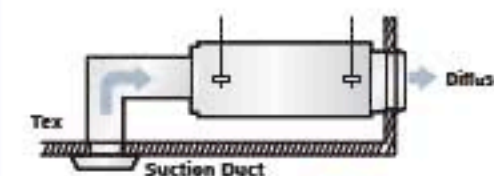


Features

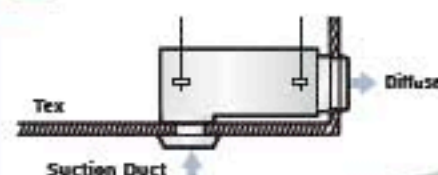
Flexible Installation

The air inlet can be set up on either the bottom or rear of the unit, giving you greater flexibility in installation.

1 Rear Side Air Inlet



2 Bottom Side Air Inlet



Easier Drain Pump Installation

New drain pump can be installed from the side by simply removing the right side panel. You no longer need to disassemble the top cover to install, check, or repair the drain pump.



Slim Design

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



Easy to Maintain

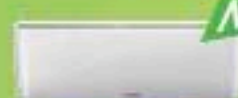
Parts are easily accessible by simply opening the bottom panel, which reduces time and maintenance costs for you.



Wall-mounted Type

Simple Design, Sophisticated Beauty

Installing a Samsung wall-mounted type indoor unit on your wall will add a sense of stylish sophistication to your decor. Not only are these indoor units attractively designed, but they also use advanced technologies to optimize your comfort.



Y Series (Junghval)



P Series (Maldives)



Crystal



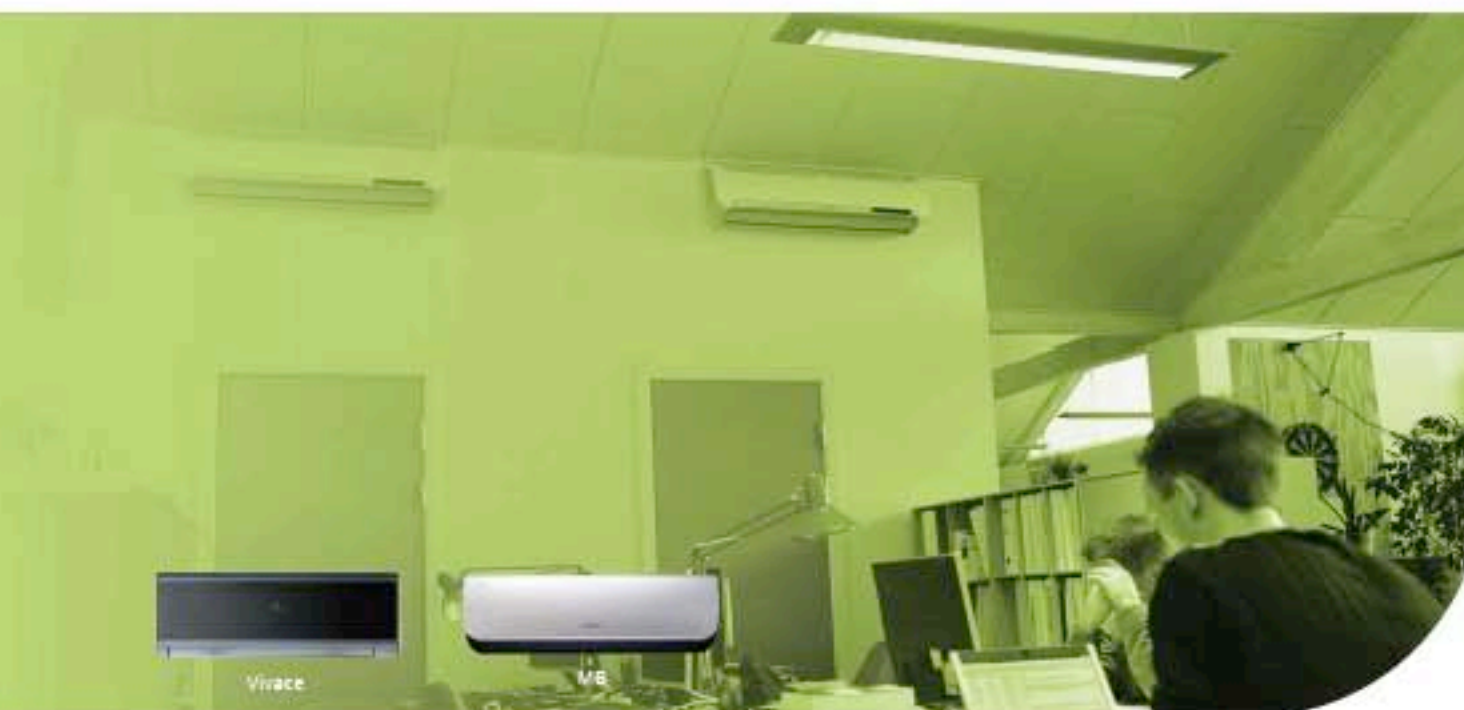
New Forte / New Forte-E



Vivace



M8



Public Library, Italy

Icon Description

Double Cleaning

Samsung enhanced purifying system with advanced filter and smart S-Plasma ion. S-Plasma ion further cleans the air that has already been filtrated by the Full HD Filter to ensure a fresher and healthier environment.

step 1.

FULL HD FILTER

Samsung's high density filter blocks out dust and allergy-causing bacteria.

step 2.

S-Plasma ion

The air purifying device eliminates 99% of contaminant bacteria and viruses in the air.



FULL HD FILTER



Full HD Filter

Improved dust removability!

Samsung's Full HD Filter creates cleaner air with outstanding dust collection!



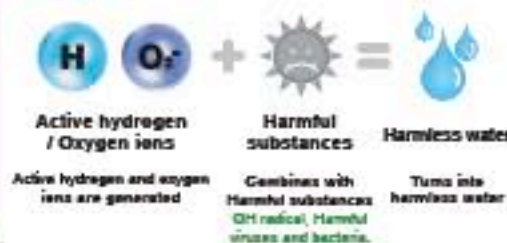
S-Plasma ion



S-Plasma ion

Do you know that harmful substances and viruses breed in the space you live in?

How S-Plasma Ion Works



S-Plasma ion improves your Indoor Air Quality and eliminates all your worries.

- Creation of an Intensely Purified Zone
- Protection against disease
- Safe from allergy-causing agents
- Controls active oxygen which can cause disease, cancer and accelerated aging

3D Wind

With Samsung's Wide Twin Blades, the air flows throughout the room evenly. The wider and longer blades provide advanced airflow in the room allowing you to experience a cooler environment in a shorter time.



Wide Twin Blade



Wide Twin Blade

Samsung's Wide Twin Blade can open up to 90 degrees for a more effective and reaching air flow. The longer twin blade ensures air reaches every corner of the room being cooled and more control in flow. Samsung offers the perfect solution in effective cooling with the Wide Twin Blade.



120° wide airflow

The airflow covers 120° angle for complete comfort.



90° airflow to the floor

Two blades individually flows air down to floor in 90°.



13m Longer distance coverage

The air distributes further throughout the room with long-range airflow.

Smart Saver



Smart Saver

In Smart Saver mode, the air conditioner's compressor operates in the least amount of time to cool the room, which saves electricity. With the Smart Saver, you can stop worrying about your electricity bill and start enjoying cool comfort.

Up to **31% Saving!**

*Outdoor Temperature at 30°C

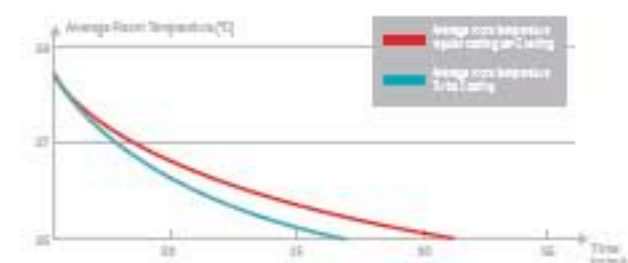
Model	Set Temperature	Mode	Power Consumption (W)	Power Saving Rate Compared to Regular Mode
Crystal (1.2K)	26°C	Regular Mode	1776	-
		Smart Saver	1290	31%
	24°C	Regular Mode	2201	-
		Smart Saver	1930	12%

Turbo Cooling



Turbo Cooling

Samsung's new air conditioner operates in its maximum speed in Turbo mode to quickly reach the set temperature. Instantly cool down your space with Samsung's Turbo Cooling technology.



d'light cool



d'light Cool

Optimum temperature for best comfort

People can feel comfort or discomfort even at the same temperature due to the varying level of humidity in the air. Samsung's d'light cool system automatically checks the current humidity and temperature and adjusts for the most pleasant environment.



good'sleep



good'sleep

Best temperature for deep sleep

01 Falling asleep stage

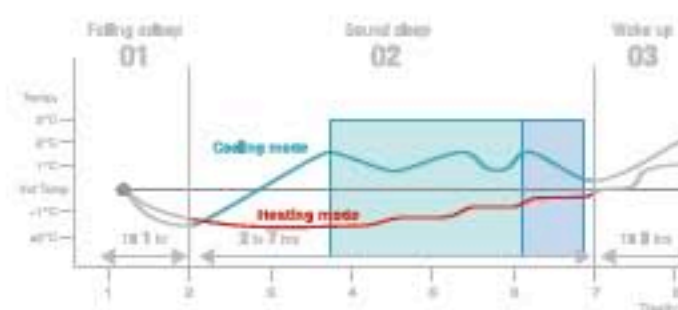
Eases you into sleep by dropping the temperature.

02 Sound sleep stage

Relaxes your body and raises your temperature slightly.

03 Wake up stage

Allows you to wake up from comfortable intermittent air and it makes you feel refreshed.



Y Series (Jungfrau Premium)

Extreme Saving with Style



General features



Smart Inverter

Smart inverter maintains ideal temperature without constant shutting off and on the compressor.



3D wind

The Wide Twin Blades and 4Way Auto Swing provide advanced airflow all around the room for even distribution.



Full HD filter

The Full High Density Filter collects up to 90% of dust and allergy causing bacteria.



d'light cool

This system automatically adjusts the temperature and humidity level to maintain the most pleasant degree.



S-Plasma Ion

S-Plasma ion eliminates up to 99% of the biological contaminants in the air such as dust, bacteria and even H1N1 virus.

good'sleep

good'sleep automatically adjusts temperature and humidity for your good night's sleep.



P Series (Maldives)

Maximum Cooling, Minimum Energy



General features



Smart Inverter

Smart inverter maintains ideal temperature without constant shutting off and on the compressor.



good'sleep

good'sleep automatically adjusts temperature and humidity for your good night's sleep.



Smart Saver

Smart Saver operates the air conditioner automatically in the least amount of time necessary to cool the room.

Quiet Mode

With less noise and vibration, you can always have quiet, peaceful life while staying comfortably cool.



Turbo Cooling

Turbo Cooling maximizes the speed of cooling and heating to quickly reach the set temperature.



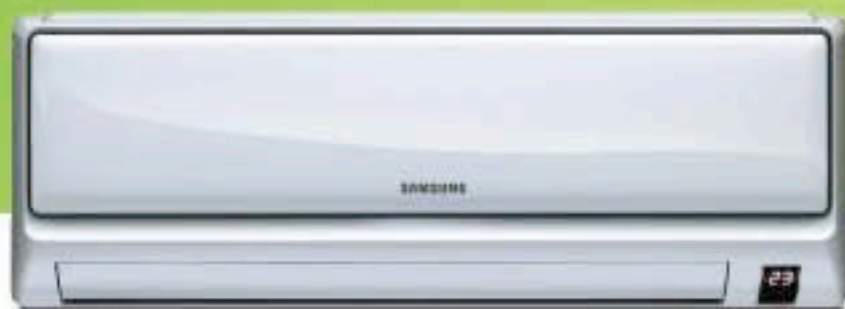
Triple Protector (Option)

The powerful cooling system, constant volt control and effective anti-corrosion coating offer fresh cooling air for a long time.



Crystal

Feel Pure Ideal Comfort



General features



Multi Filter System

Multi Filter System is composed of Catechin, Deodorizing and S-Plasma ion to keep your air clean and fresh.



Filter Cleaning Indicator

Always know when to clean the filter. The Filter Clean Indicator automatically alerts you when the filter needs to be cleaned with its illuminating blue light, usually after about 500 hours of use. Now, you can always keep your air conditioner clean, lowered energy consumption up to 50% and reduced the vibration to bring peace into your life.

Neo Forte/ Neo Forte-E

Fresh and Pleasant Cooling



General features



Multi Filter System

Multi Filter System is composed of Deodorizing filter to keep your air clean and fresh.



Internal EEV (Neo Forte-E)

EEV (Electronic Expansion Valve) equipped inside
• Easy installation and maintenance



Vivace

Shadow Mirror

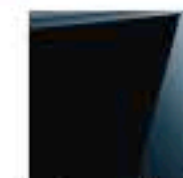


General features



Multi Filter System

Multi Filter System is composed of Deodorizing filter and S-Plasma ion to keep your air clean and fresh.



Shadow Mirror



Hidden Display



Trim-less Design

MB

Luxurious Refreshness



General features



Multi Filter System

Multi Filter System is composed of Deodorizing and optional DNA filters and S-Plasma ion to keep your air clean and fresh.



Auto Roof Shutter

This unique air conditioner automatically seals off to prevent dirt infiltration when not in operation.

Console & Ceiling Type

Small Idea, Big Difference

Console and Ceiling type indoor units are quiet unique inventions based on a small idea. By realizing the simple concept of having a different number of outlets for floor type units, and using an indoor unit on the both floor and ceiling, we've developed new products that offer a big improvement in air conditioning quality.



Console

Ceiling

Icon Description

Interior Design



Interior Design

By designing our products so they can be attractively placed almost anywhere, Samsung air conditioners add both comfort and style to your room.



Lightweight Unit



Lightweight

The extremely lightweight design makes maintenance and installation easy.



Silent Mode



Silent Mode

Indoor units operate quietly with the least possible noise.



S-Plasma Ion



S-Plasma Ion

The S-plasma ion improves your indoor Air Quality (IAQ) by eliminating biological contaminants that threaten your health such as viruses, bacteria, and allergens. S-Plasma ion, an advanced air purifying technology, offers you fresher, healthier air for you to enjoy.

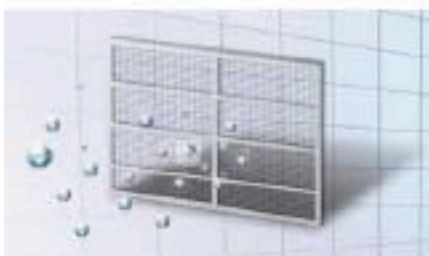


Anti-bacteria Filter



Anti-Virus Filter

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



Flexible Pipe Installation



Flexible

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



Beynova Hotel, Turkey

Console

Slim and Elegant

General feature



Interior Design



Anti-Virus Filter



Lightweight



Silent Mode



Flexible



Wireless RC



Features

Slim & Smart Design

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

1 Slim Design

You won't find anything slimmer than this: this new console type air conditioner is only 199mm thick, the slimmest on the market, and its unobtrusive design easily integrates into your decor.



2 Clean Panel

Stay clean with the intelligently designed Clean Panel. This unique panel keeps dust from accumulating, so the unit and your room stay cleaner.



3 Black Display

The touch screen display maximizes the convenience of control, and is an elegant example of functional art.

2Way Air Outlets

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



Silent Operation (23dB)

This silent yet powerful and efficient cooling and heating system makes your room more comfortable than ever before. Silent mode is available in 4 different operating modes: choose from High/Medium/Low/Silence.



Ceiling

Powerful Air from Your Ceiling or Floor

General features



Interior Design



Anti-Virus Filter



Lightweight



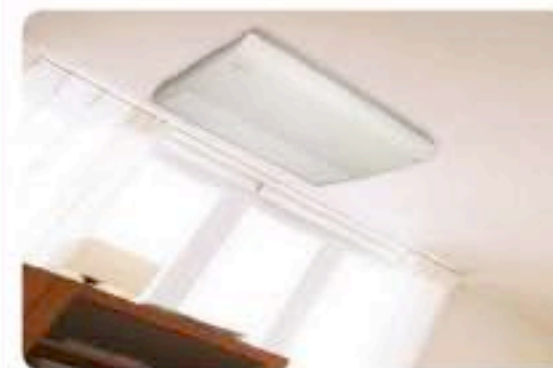
Flexible



Features

2Way Installation

Depending on the available space 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 a slim, compact design –half the size of our competitors' –with cooling power comparable to our competitor's larger products.

7.1KW Model



Learn more by visiting
www.dvmsystem.com

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Space for Partnership

■ Specification may be subject to change without prior notice
 for the continuous product improvement.

VW12D