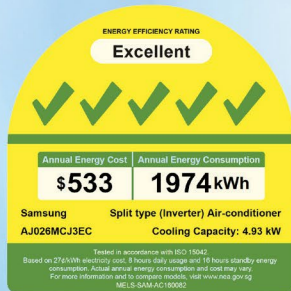


SAMSUNG

AIR CONDITIONERS



SINGAPORE'S
FIRST



MULTI SPLIT
WITH
BUILT-IN
**SMART
Wi-Fi®**



Clean & Healthy
Air with Virus
Doctor



Low Height
261mm



Quiet
Operation
19dB



Smart Wi-Fi®
Control





SINGAPORE'S FIRST 5 TICKS MULTI-SPLIT WITH BUILT-IN SMART Wi-Fi®



Samsung is proud to introduce Singapore's First 5 Ticks Multi Split Inverter System with Built-in Smart Wi-Fi® control features. This new 5 Ticks system coupled with a Unique Triangular Architectural design indoor unit provides powerful cooling performance at low energy consumption.



This Triangular indoor unit of only 261mm height is able to achieve a quiet operation of 19dB^ and produces clean & healthy cool air with its Virus Doctor kit and Easy Clean 3-care filter.

Compatible with Android or iOS 7 Smart devices and Wi-Fi® connection, Samsung premium 5 Ticks Air Conditioning system can be connected virtually anywhere, allowing users to control and monitor their air conditioning system anywhere, anytime.



SMART Wi-Fi® AIR CONDITIONING SYSTEM

Samsung's 5 Ticks Built-in Smart Wi-Fi® air conditioning system allows you to operate your system when you are on the go. You can select your preferred temperature setting, fan speed and/or turn on the Virus Doctor function from Samsung Smart Home App. You get to enjoy comfortable and cool clean healthy air upon reaching home.

It also gives you peace of mind when you or your family member have forgotten to switch off the air conditioning system when leaving home. You can remotely switch off the air conditioning system without having to rush home or worry about energy wastage.



Users can remotely control and monitor their air conditioning systems with the following features.



Smart Wi-Fi® Functions

- Operation Mode:** On/Off, Auto, Cool, Dry, Fan
- Temperature Setting:** Room Temp. Setting/Room Temp. Monitoring
- Wind Speed:** Auto, Low, Medium, High, Turbo
- Wind Direction:** Fix, Vertical Swing
- Scheduling:** 10 Schedules per Indoor Unit
- Options:** 2-step Cooling, Comfort Cooling, Good Sleep, Single User, Turbo Cooling, Quiet Mode, Virus Doctor, Auto Clean, Filter Cleaning Reminder

Individual indoor unit can be paired and password secured with up to 5 smart devices.

Your compatible smart phone or tablet acts like another remote control at home. You can use your smart devices to control all the Wi-Fi® enabled indoor units. For example, you can control or monitor the air conditioner in your children's room from your bedroom or anywhere.

With the Smart Wi-Fi® application, users no longer have to worry about replacing damaged or missing remote controller.



Based on internal benchmark studies as at November 2016



Multi Split Inverter with Built-in Smart Wi-Fi® Indoor

MODEL			AJ009MBADEC	AJ012MBADEC	AJ018MBADEC
Power Supply		Ø, V, Hz	1Ø, 220 - 240V, 50Hz		
Cooling Capacity	Min / Rated / Max	kW	1.70 / 2.50 / 3.20	1.70 / 3.50 / 4.30	1.70 / 4.50 / 5.40
		BTU/h	5,800 / 8,500 / 10,900	5,800 / 11,900 / 14,670	5,800 / 15,400 / 18,400
Airflow	Min / Rated / Max	CMM	6.20 / 8.30 / 10.20	6.50 / 8.30 / 10.20	7.60 / 9.10 / 10.20
Piping Connections	Liquid Pipe Size	mm	6.35		
	Gas Pipe Size	mm	9.52		12.70
Sound Pressure	Low / Mid / High	dB(A)	19 / 33 / 44		23 / 34 / 44
Dimension		W x H x D (mm)	896 x 261 x 261		
Weight		kg	11.00		



Multi Split Inverter Outdoor

MODEL			AJ026MCJ3EC
Power Supply		Ø / V / Hz	1Ø, 220 - 240V, 50Hz
No. of Compatible Indoor Units			1 - 3
Cooling Capacity		kW	Please Refer to Combination Table
		BTU/h	
Running Current		Amp	
Piping Connections	Liquid Pipe	mm	6.35 x 3
	Gas Pipe	mm	9.52 x 2 + 12.70
	Total / Individual Length	m	50 / 25
	Max. Piping Height	m	15
Refrigerant	Type		R410A
Compressor	Output	kW	4.69
Fan	Fan Motor Output	W	125
Sound Pressure		dB(A)	50
Dimension		W x H x D (mm)	880 x 638 x 310
Weight		kg	45



Clean & Healthier Air



Comfort



Note:

- 1) Rated Cooling: Indoor temperature 24°C DB/19°C WB, Outdoor temperature 35°C DB, Pipe Length 5m, Level Differences 0m.
- 2) Sound level was acquired in anechoic room. Thus actual noise level maybe different depending on the installation conditions.
- 3) Specifications are accurate at time of print and subject to change without notice.



Combination Table AJ026MCJ3EC (Without Current Limitation)

FULL AMPERE															
Room	Compatible Indoor Units			Cooling Capacity (kW)			Total Capacity (kW)			Total Power (kW)			Total Running Current (A)		
	A	B	C	A	B	C	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
1	9			2.50			1.70	2.50	3.20	0.46	0.62	0.80	2.10	2.80	3.70
	12			3.50			1.70	3.50	4.30	0.46	1.01	1.30	2.10	4.60	5.90
	18			4.50			1.70	4.50	5.40	0.46	1.46	1.80	2.10	6.70	8.20
2	9	9		2.40	2.40		1.70	4.80	7.00	0.46	1.08	1.90	2.10	4.90	8.70
	9	12		2.00	2.80		1.70	4.80	7.10	0.46	1.08	1.95	2.10	4.90	8.90
	9	18		1.60	3.20		1.70	4.80	7.50	0.46	1.08	2.45	2.10	4.90	11.20
	12	12		2.40	2.40		1.70	4.80	7.20	0.46	1.08	2.05	2.10	4.90	9.40
	12	18		1.98	2.82		1.70	4.80	7.50	0.46	1.08	2.45	2.10	4.90	11.20
3	18	18		2.40	2.40		1.70	4.80	7.50	0.46	1.08	2.45	2.10	4.90	11.20
	9	9	9	1.63	1.63	1.63	1.70	4.90	8.67	0.46	0.98	2.50	2.10	4.50	11.40
	9	9	12	1.44	1.44	2.02	1.70	4.90	8.67	0.46	0.98	2.50	2.10	4.50	11.40
	9	9	18	1.23	1.23	2.45	1.70	4.90	8.67	0.46	0.98	2.50	2.10	4.50	11.40
	9	12	12	1.29	1.81	1.81	1.70	4.90	8.67	0.46	0.98	2.50	2.10	4.50	11.40
	9	12	18	1.11	1.56	2.23	1.70	4.90	8.67	0.46	0.98	2.50	2.10	4.50	11.40
	12	12	12	1.63	1.63	1.63	1.70	4.90	8.67	0.46	0.98	2.50	2.10	4.50	11.40



TRIANGULAR ARCHITECTURE

The Triangle. Ultimate Cooling Architecture

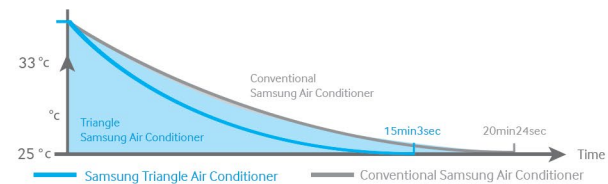
Cools faster, further and wider

Samsung Air Conditioner is designed to be outstandingly efficient. Its unique triangular architecture has a wider inlet, enables more air to be drawn in and thereby increasing the air flow. The improved width and angle of its outlet, extra V-blades and a bigger fan also ensure that air is cooled and expelled faster and further such that refreshingly cool air can reach every corner of your room.



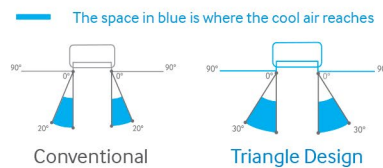
Faster Cooling

The new Samsung Air Conditioner has up to 26% faster cooling speed* compared to Samsung's conventional models.



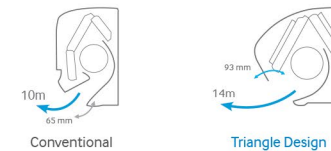
Wider Air Flow

The improved width and angle of its outlet also ensure that air is expelled wider, minimising blind spots.



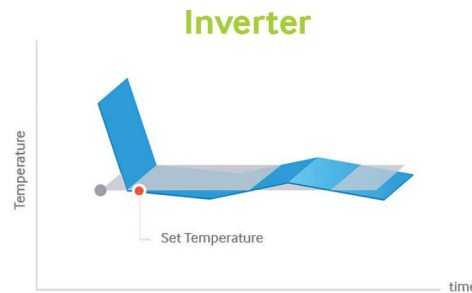
Further Throw

The outlet angle is different compared with conventional models, enabling a long air flow of up to 14 meters*.

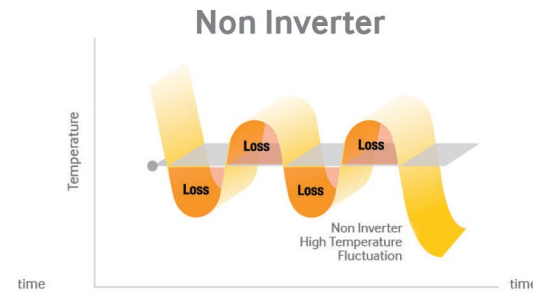


DIGITAL INVERTER

Samsung Air Conditioner features highly energy efficient Digital Inverter technology that can maintain the desired temperature without frequent shutting off and switching on, and allowing up to 60%* less energy consumption.



Digital Inverter technology automatically adjusts its speed in response to changes in room temperature, to optimise power usage when cooling. It reduces overall energy consumption compared to fixed-speed compressors.



Non-Inverter air conditioners continuously shut down when it reaches the set temperature, which causes large fluctuation in temperature and disrupted cooling.



Samsung has adopted Twin BLDC Rotary Inverter Compressor in our multi-split systems. The Twin BLDC compressors with its highly stable moving parts reduce torque variation up to 70% compared to the conventional single BLDC compressor.

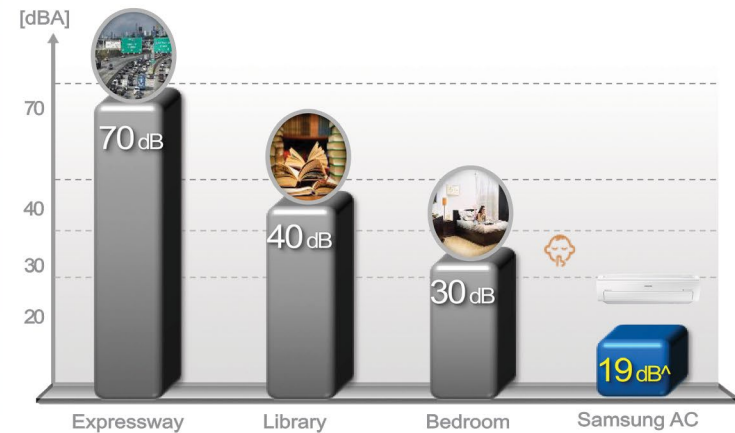
Our newly developed Sine Wave Controller produces smoother current waves, therefore allowing quieter operation.

* Based on Samsung's internal test results with comparison of selected Samsung's conventional models. Individual results may vary.



QUIET OPERATION - 19dB[^]

Samsung Air Conditioner Systems are meticulously designed with user in mind, and minimising sound level is a key aspect our engineers focus on. With almost whisper quiet sound level – 19dB[^], quieter than a library, Samsung wall-mounted indoor units can be installed anywhere providing user with a comfort cooling and quiet environment.



[^] Only applicable for models AJ009MBADEC & AJ012MBADEC at low speed.



LOW HEIGHT - 261mm

Samsung's latest 5 Ticks Wi-Fi[®] indoor units have a compact height of 261mm. This is excellent for those who want to replace their existing air conditioning systems and are not willing to spend extra on installation and/or renovation work. Samsung 5 Ticks Built-in Smart Wi-Fi[®] indoor units can easily replace older models that are of similar height and owner can simply re-use the existing piping by flushing and vacuuming them thoroughly.

The 5 Ticks Built-in Smart Wi-Fi[®] indoor units only require a minimum installation height of 50mm from top of the indoor unit to ceiling. This is made possible with our unique triangular architecture design. This compact height also benefits new house owners as the indoor units can be installed at higher height giving a more spacious feeling.



896 (W) x 261 (H) x 261 (D) mm

This brochure shares the same height of 261mm as our 5 Ticks indoor unit.



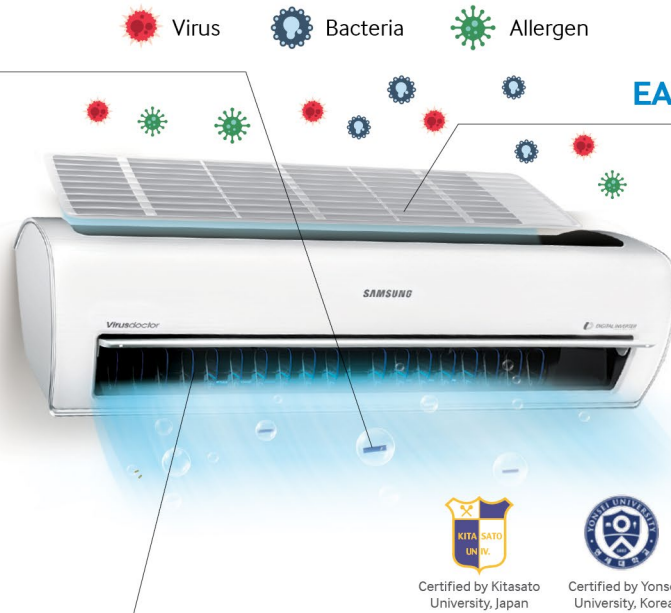
VIRUS DOCTOR & EASY CLEAN 3-CARE FILTER

Virus Doctor and Easy Clean 3-Care Filter reduce dust, harmful airborne contaminants and allergens, as well as bacteria and viruses, including Influenza A and Corona viruses*. It keeps the air you breathe clean and healthy.

VIRUS DOCTOR

Virus Doctor is an amazing air purifying technology. It neutralises up to 99% harmful contaminants in the air including bacteria that resists physical filtration, turning these contaminants into harmless water vapour. Virus Doctor generates active hydrogen and oxygen ions to keep your family safe.

* Based on Kitasato Environmental Science Center (Japan) & Yonsei Univ. (Korea) test result. Effective on 4 viruses, including Subtype H1N1, and certain bacteria. Data has been measured under specific testing conditions and may differ based on environmental factors.



EASY CLEAN 3-CARE FILTER

Samsung's 3-Care filter uses anti-bacteria, anti-virus and anti-allergy coating material. It traps the smallest microscopic dust particles and virus. It also reduces allergens in the atmosphere so that you can enjoy cleaner indoor air.

This Easy Clean 3-Care filter, unlike other brands' filters, is not located inside the fan coil unit. It is located on top of the fan coil for easy cleaning. Users are provided with easy access for convenient maintenance of the filter.



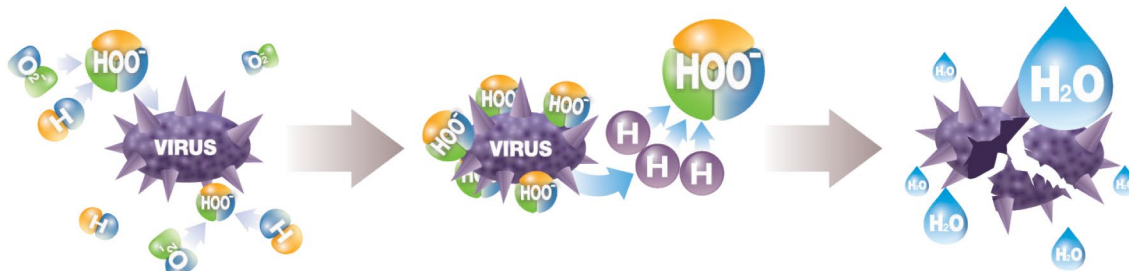
** Tested in Korea test lab (FITI/KEMTI) and Japan test lab (ITEA).

AUTO CLEAN

In addition, our Auto Clean function helps to minimise the growth of mould and bacteria in the fan coil by drying and removing moisture on the evaporator. This function can be activated by user and the system will only operate in fan mode for few minutes at minimal energy consumption after the system is switched off.

HOW VIRUSES ARE REMOVED

The virus-reducing ions are spread throughout in the air, surround the harmful substances and remove hydrogen (H) atoms, which naturally destroy the pollutants and provide clean purified air.



STEP 1: SURROUNDING THE VIRUS

HOO⁻ is generated through the combination of active hydrogen and oxygen ions, and surrounded the harmful virus and bacteria in the air.

STEP 2: DESTROYING THE VIRUS

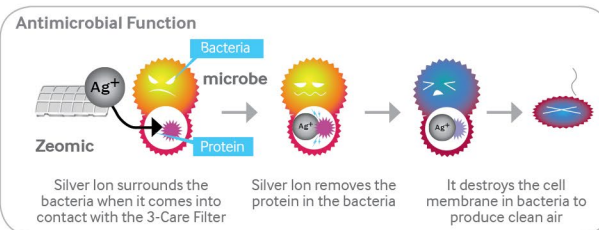
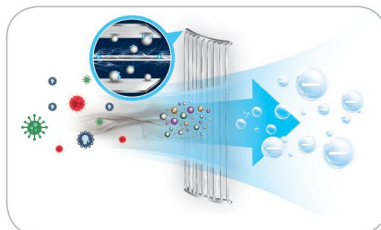
HOO⁻ removes hydrogen atoms from the compound structure on the cell wall of protein-based harmful substances and neutralising them.

STEP 3: GENERATING CLEAN AIR

The H₂O that is generated in the process of removing harmful substances becomes harmless water vapour, create clean healthy air.



SAMSUNG
3 STEPS TO CLEAN FILTER
Remove Filter → Cleaning → Replace Filter



SINGAPORE'S FIRST 5 TICKS MULTI SPLIT WITH BUILT-IN SMART Wi-Fi®



Premium After Sales Care

At Samsung, we aim to give users peace of mind when using our air conditioning systems. We have introduced the Same Day Service* for our new 5 Ticks Multi Split with Smart Wi-Fi® system. Any service request received before 10am, we will attend on the same day. This service is guaranteed during the first year general warranty period.

*T&C apply: Same Day Service is only from Monday to Friday, excluding Public Holidays and eve of Public Holidays.

Applicable to AJ026MCJ3EC model only.

SAMSUNG ASIA PTE LTD



SALES ENQUIRIES:
6833 3000

**AFTER SALES
SERVICE HOTLINE:**
1800 726 7864

www.samsung.com/sg/5ticksaircon