

SINGAPORE'S FIRST



MULTI SPLIT WITH BUILT-IN SMART Wi-Fi®



1. EXCELLENT EFFICIENCY



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 inverter system coupled with a unique Triangular Architecture design indoor unit provides powerful cooling performance with low energy consumption.



This Triangular indoor unit of only 261mm in height is able to achieve a quietest noise level of 19dB* and produces clean & healthy cool air with its Virus Doctor kit and Easy Clean 3-Care filter.

Compatible with Android or iOS smart devices, Samsung's 5 Ticks Multi Split Wi-Fi® Air Conditioning system can be connected virtually anywhere, allowing users to control and monitor their air conditioning system from anywhere, anytime.

* Applicable only for AJ009MBADEC, AJ012MBADEC.
Based on internal benchmark studies as at November 2016.

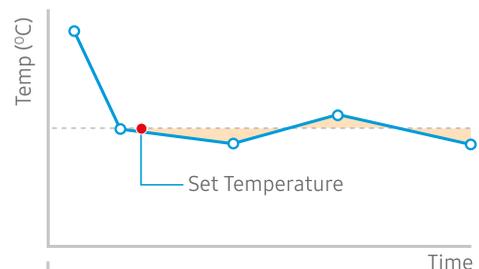


What Is The Digital Inverter?

Samsung Digital Inverter Technology saves energy while the air conditioner is on by maintaining the ideal temperature **without constantly turning the compressor off and on.**

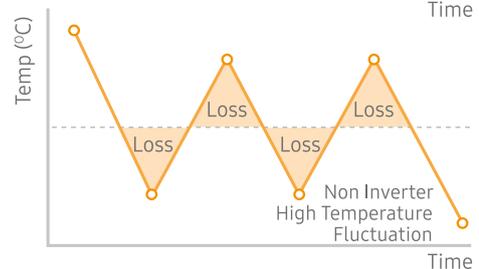
Digital Inverter

Digital Inverter Technology automatically adjusts the power to cope with any temperature variances, assuring you optimal comfort.



Non Inverter

Non-Inverter air conditioners continuously shut down when they reach the set temperature, which causes large fluctuations in temperature and comfort.



* Tested on AR09HSSDAWK. Compared with Samsung conventional model AQ09TSB.



Digital Inverter

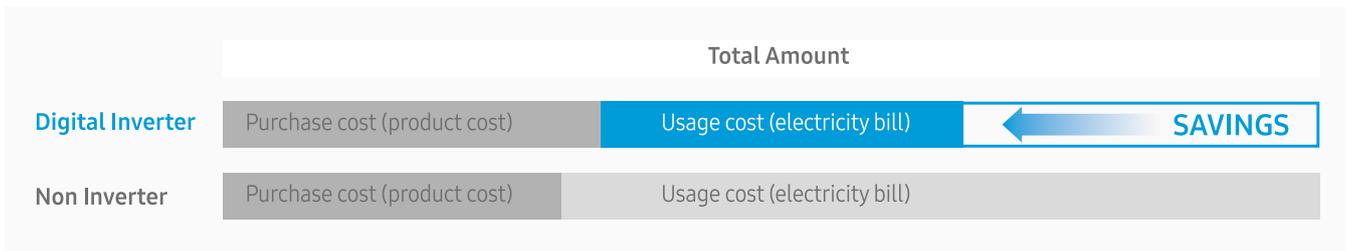
Samsung has adopted Twin BLDC Rotary Inverter Compressor in our multi split systems. The Twin BLDC compressors with its highly stable moving parts reduce torque variation up to 70% compared to the conventional single BLDC compressor.

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



Energy Saving Technology

Even though the initial system cost of the Digital Inverter air conditioner is higher than conventional models, the amount of electricity bills saved over the months will cover the initial additional cost in no time and users will get to enjoy much more savings down the road of usage.

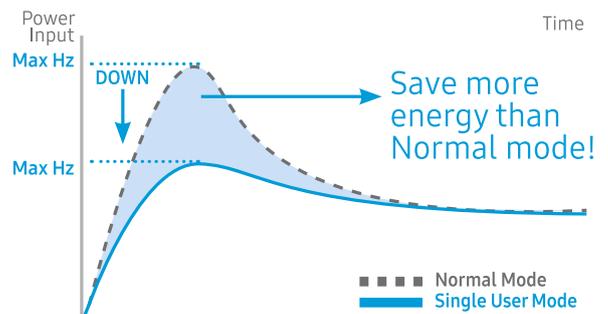


* Based on AR12HVSPBSN compared with Samsung conventional model AR12HCSUAWQ. It may vary based on the region and the electricity pricing system.



Energy Saving Option

The Single User mode uses **lesser compressor capacity, reducing power consumption***. You can use it when you're alone without worrying about the electricity bill.



* Based on AR09KSWDHWK.

* Based on accumulated power consumption of normal mode vs. single user mode.

2. SUPERIOR COOLING PERFORMANCE



Triangle Architecture For Powerful Cooling Performance

The Samsung Air Conditioner is designed to be outstandingly efficient. Its unique triangular architecture has a **wider inlet**, so **more air can be drawn in**. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that **air is cooled and expelled faster, further and wider*** so that refreshing cool air reaches every corner of your room.

* Tested on model AR09KSWDHWK compared with Samsung conventional model AQV09TWS.

2

More Air Flow

+22% Bigger Fan



1

More Air In

+39% Wider Inlet

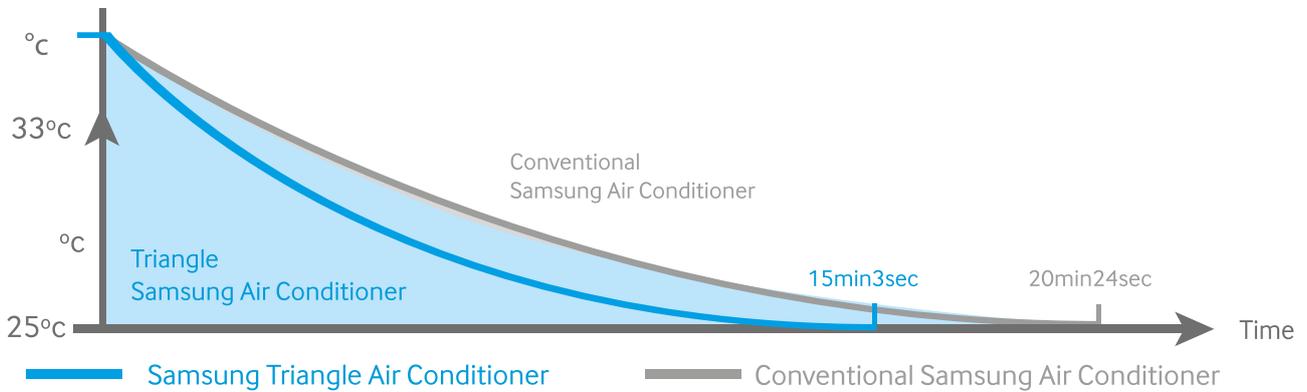
3

More Air Out

+54% Wider Outlet

Faster Cooling

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



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

Faster Cooling

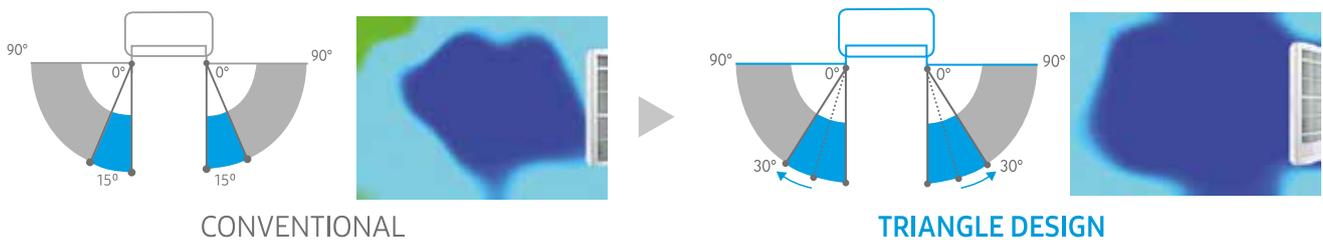
The outlet angle is **different** compared to conventional models, enabling a longer air flow of up to 14 meters*.

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



The improved width and angle of its outlet also ensures that air is expelled wider, minimizing hot spots*.

* Tested on AR09KSWDHWK model. Compared with Samsung conventional model AQV09TWS.

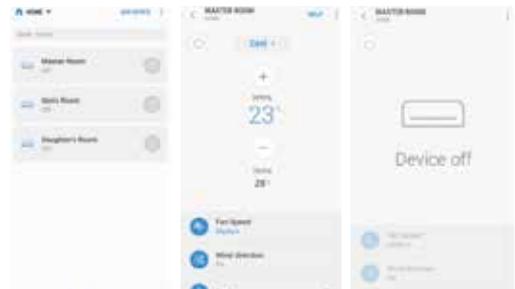


3. BUILT-IN SMART Wi-Fi®



Remote Operation & Monitoring*

Samsung's **Built-In Smart Wi-Fi®** air conditioners allow user to remotely operate & monitor the system anytime / anywhere using a complimentary **Samsung Smart Things App** on any smartphone.



Samsung Smart Things Functions*

- Operation Mode: On/Off, Auto, Cool, Dry, Fan
- Temperature Setting: Room Temp. Setting/Room Temp. Monitoring
- Fan Speed: Auto, Low, Medium, High, Turbo
- Wind Direction: Fix, Vertical Swing
- Scheduling: Up to 10 Schedules per Indoor Unit (Weekly)
- Options: 2-step Cooling, Comfort Cooling, Good Sleep, Fast Cooling, Quiet Mode, Auto Clean, Filter Cleaning Reminder, Energy Monitoring, Self Check



* Available on iOS7 and Android devices. A network connection is required. Samsung application account is necessary.

4. FEATURES



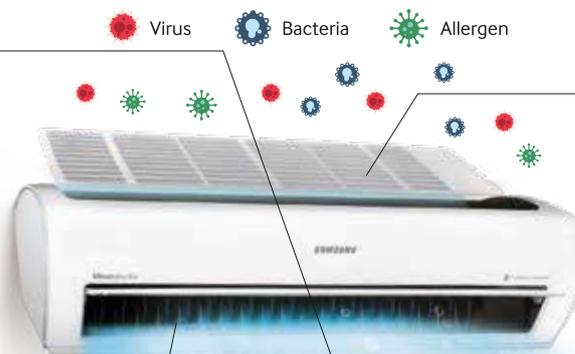
Virus Doctor* & Easy Clean 3-Care Filter

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 Unvi. (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.

* Not applicable to AR09NVWSBWKNSS, AR12NVWSBWKNSS, AR18NVWSBWKNSS, AR24NVWSBWKNSS.



EASY CLEAN 3-CARE FILTER

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

This Easy Clean 3-Care filter, unlike other brands' filter, 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.



Certified by Kitasato University, Japan



Certified by Yonsei University, Korea

** 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 from the evaporator. This function can be activated by the user and the system will only operate in fan mode for a few minutes at minimal energy consumption after the system is switched off.

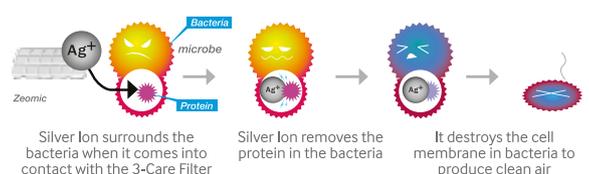


SAMSUNG

3 Simple Steps to Clean Filter
Remove Filter → Cleaning → Replace Filter

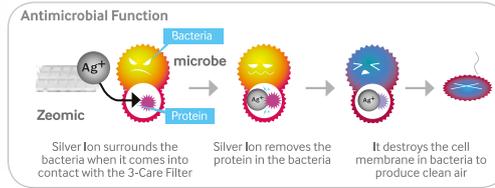


Antimicrobial Function



HOW VIRUSES ARE REMOVED

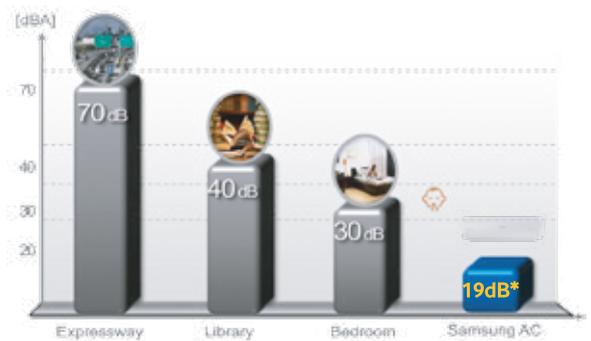
The virus-reducing ions are spread throughout in the air, surrounding the harmful contaminants and remove hydrogen (H) atoms from them, which naturally destroy the contaminants and provide clean purified air.



Quiet Operation @ 19dB*

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

* Applicable only for AJ009MBADEC, AJ012MBADEC, AR09NVWSBWKNS and AR12NVWSBWKNS model in Quiet mode operation.



Compact Low Height - 261mm*

With the unique Triangular Architecture design, Samsung's 5 Ticks Multi Split Wall Mounted with Built-In Smart Wi-Fi® and Single Split Wall Mounted with Built-in Smart Wi-Fi® indoor units are designed with a low height of 261mm* for easy replacement of older models with similar height.



* Applicable only for AR09NVWSBWKNS, AR12NVWSBWKNS, AJ009MBADEC, AJ012MBADEC and AJ018MBADEC model.



Improved Condenser Design / Easy Installation

All Samsung's Single Split and Multi-Split Wall Mounted Condensing Unit (copper coil with aluminium fins) are coated with Anti Corrosion coating for more durable usage.

The system also allows easy replacement by using back existing piping[#] with minimum work required. This help users to save time and money when replacing their existing system with new Samsung Air Conditioning System.

[#] Ensure no leakage in the existing pipings. Ensure proper flushing, purging and vacuuming of the existing pipings before using the new system.

SPECIFICATIONS

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
		BTU/h	5,800 / 8,500 / 10,900	5,800 / 11,900 / 14,670
Airflow	Min / Rated / Max	CMM	6.20 / 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	
	BTU/h	
Running Current		Amp
Piping Connections	Liquid Pipe	mm
	Gas Pipe	mm
	Total / Individual Length	m
	Max. Piping Height	m
Refrigerant	Type	R410A
Compressor	Output	kW
Fan	Fan Motor Output	W
Sound Pressure	dB(A)	50
Dimension	W x H x D (mm)	880 x 638 x 310
Weight	kg	44.5



Triangular Design



Digital Inverter Energy Saving



Smart Wi-Fi® Control

Clean & Healthier Air



Virus Doctor Cleaner Air



Anti-Virus Coating Prevent Virus Spreading



Anti-Bacteria Coating Reduce Bacteria



Anti-Allergy Coating Prevent Allergy



Auto Clean Prevent Mould Growth

Comfort



2-Step Cooling Comfort Cooling



Good Sleep Refresh & Energetic



Quiet Mode Relax with Quietness



Dehumidification

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.

Standard Accessories



Wireless Remote Control: MR-EC00



Cooling Capacity

AJ026MCJ3EC		FULL AMPERE													
Room	Indoor Model			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
	18	18		2.40	2.40		1.70	4.80	7.50	0.46	1.08	2.45	2.10	4.90	11.20
3	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

SPECIFICATIONS

Single Split Inverter Wall Mounted With Built-In Smart Wi-Fi®



9K / 12K BTU



18K / 24K BTU



TYPE				SINGLE PHASE				
MODEL		INDOOR UNIT		AR09NVWSBWKNSS	AR12NVWSBWKNSS	AR18NVWSBWKNSS	AR24NVWSBWKNSS	
		OUTDOOR UNIT		AR09NVWSBWKXSS	AR12NVWSBWKXSS	AR18NVWSBWKXSS	AR24NVWSBWKXSS	
SYSTEM	Cooling Capacity	Min / Rated / Max	kW	1.16 / 2.64 / 3.50	1.16 / 3.23 / 4.00	1.65 / 5.00 / 6.50	5.45 / 6.00 / 6.9	
			BTU/h	3,344 / 9,008 / 11,942	3,344 / 11,021 / 13,649	5,630 / 17,061 / 22,179	18,598 / 20,473 / 23,510	
		COP		3.67	3.44	3.62	3.45	
	Running Current	Rated	Amp	3.40	4.80	6.40	8.40	
	Piping Connections	Liquid Pipe	mm	6.35				
		Gas Pipe	mm	9.52		12.70		15.88
		Max. Piping Length	m	15				
		Max. Piping Height	m	8		15		
	Moisture Removal		(L/hr)	1	1.5	2	2.5	
	Refrigerant	Type		R410A				
INDOOR UNIT	Air Circulation	Max	M ³ /min	9.3	10	15.6	18.4	
	Sound Pressure	Low / High	dB(A)	21 / 36	21 / 37	25 / 42	30 / 45	
	Dimension (W X H X D)		(mm)	826 x 261 x 261		1,065 x 301 x 294		
	Weight		kg	9.5		13.1	13.3	
	Power Supply [Ø / V / Hz]			1 / 220 – 240 / 50				
OUTDOOR UNIT	Sound Pressure		dB(A)	47		52	55	
	Dimension (W X H X D)		(mm)	720 x 548 x 265		880 x 638 x 310		
	Weight		kg	26.5		37.8	40.9	



Features



2-Step Cooling
Comfort Cooling



Good Sleep
Refresh & Energetic



Quiet Mode
Relax with Quietness



Triangular
Design



Digital Inverter
Energy Saving



Smart Wi-Fi®
Control



Anti-Virus Coating
Prevent Virus Spreading



Anti-Bacteria Coating
Reduce Bacteria



Anti-Allergy Coating
Prevent Allergy



Auto Clean
Prevent Mould Growth



Dehumidification

Standard Accessories



Wireless Remote
Control: MR-EC00

Optional Accessories



Wire Remote
Control: MWR-WE10



Connecting Wired Remote
Control and External Contact
Interface Module: MIM-A00

Available Functions:

- Built-In Smart Wi-Fi®
- Auto Clean
- Dehumidification
- Vertical Air Swing (Auto)
- Horizontal Air Swing (Manual)
- Good Sleep
- Single User Mode
- 2 Step Cooling
- Fast Cool
- Comfort Cool
- Quiet Mode
- 24-Hour Timer
- Auto Restart

Note:

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

SPECIFICATIONS

Multi Split Inverter Outdoor



AJ18 / AJ21



AJ27



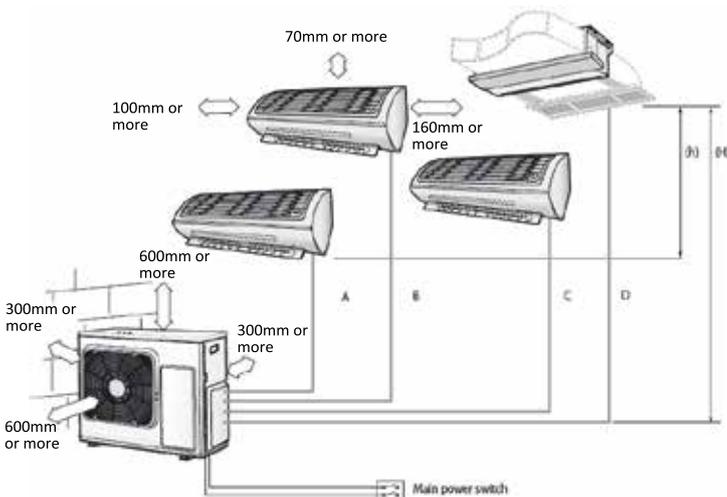
AJ34

			TYPE				
MODEL			AJ18FCJ3EC/SP	AJ21FCJ3EC/SP	AJ27HCJ4EC/SP	AJ34HCJ5EC/SP	
OUTDOOR UNIT	No. of Compatible Indoor Units		1 - 2	1 - 3	1 - 4	1 - 5	
	Cooling Capacity	Min / Rated / Max	kW	1.70 / 5.00 / 7.10	1.70 / 6.00 / 7.50	2.00 / 7.80 / 9.30	2.50 / 10.00 / 12.00
			BTU/h	5,800 / 17,060 / 24,200	5,800 / 20,470 / 25,590	6,800 / 26,600 / 31,730	8,530 / 34,120 / 40,940
		COP		3.55	3.40	3.63	3.41
	Power Supply [Ø / V / Hz]			1 / 220 - 240 / 50			
	Running Current	Rated	Amp	6.50	8.10	10.50	13.50
	Piping Connections	Liquid Pipe	mm	6.35 x 3	6.35 x 3	6.35 x 4	6.35 x 5
		Gas Pipe	mm	9.52 x 3	9.52 x 3	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 3
		Max. Piping Length	m	25	25	25	25
		Max. Piping Height	m	15	15	15	15
	Refrigerant	Type		R410A	R410A	R410A	R410A
	Compressor	Output	kW	5.92	5.92	5.92	9.17
	Fan	Fan Motor Output	W	40	40	124	125
Sound Pressure		dB(A)	44	47	50	54	
Dimension		W x H x D (mm)	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	
Weight		kg	47.50	47.50	58.00	71.60	



Note:

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



	Sys 2 / 3		Sys 4 / 5		Max Height Between IDU & ODU	Max Height Between IDUs
	1 Rm	2 Rm	1 Rm	2 Rm		
1 Rm Max. Length	25	A, B, C	25	A, B, C, D, E	15 M	7.5 M
2/3 Rm Max. Length	50	A+B+C				
4 Rm Max. Length			70	A+B+C+D		
5 Rm Max. Length			80	A+B+C+D+E		

SPECIFICATIONS

Multi Split Inverter Indoor



12K / 18K BTU

TYPE			CEILING DUCTED		
INDOOR UNIT	MODEL		AJ12FBMDEC/SP	AJ18FBMDEC/SP	
	Cooling Capacity	Min / Rated / Max	kW	1.18 / 3.50 / 3.20	1.47 / 5.00 / 6.30
			BTU/h	4,020 / 11,940 / 10,900	5,015 / 17,060 / 21,940
	Fan	Fan Motor Output	W	153	153
	Airflow	Min / Rated / Max	CMM	8.00 / 9.50 / 12.00	15.00 / 18.00 / 21.00
	External Pressure Static	Rated / Max	Pa	24.50 / 98.00	29.40 / 147.00
	Piping Connections	Liquid Pipe	mm	6.35	6.35
		Gas Pipe	mm	9.52	12.70
	Sound Pressure	Low / Mid / High	dB(A)	26 / 29 / 32	29 / 32 / 35
	Dimension		W x H x D (mm)	850 x 250 x 700	850 x 250 x 700
Weight		kg	25.00	25.00	



9K / 12K BTU



18K / 24K BTU

TYPE			WALL MOUNTED				
INDOOR UNIT	MODEL		AJ09FBADEC/SP	AJ12FBADEC/SP	AJ18FBADEC/SP	AJ24FBADEC/SP	
	Cooling Capacity	Min / Rated / Max	kW	1.18 / 2.50 / 3.20	1.18 / 3.50 / 4.00	1.47 / 5.00 / 6.30	1.47 / 6.80 / 8.25
			BTU/h	4,020 / 8,530 / 10,900	4,020 / 11,940 / 13,640	5,010 / 17,060 / 21,490	5,010 / 23,200 / 28,150
	Fan	Fan Motor Output	W	20	20	27	27
	Airflow	Min / Rated / Max	CMM	6.40 / 7.00 / 7.70	7.00 / 8.00 / 9.00	12.50 / 14.90 / 17.30	13.00 / 14.90 / 16.70
	Piping Connections	Liquid Pipe	mm	6.35	6.35	6.35	6.35
		Gas Pipe	mm	9.52	9.52	12.70	15.88
	Sound Pressure	Quiet / Mid / High	dB(A)	19 / 27 / 31	19 / 30 / 35	23 / 33 / 41	25 / 37 / 43
	Dimension		W x H x D (mm)	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294
	Weight		kg	9.50	9.50	13.00	13.00

Features (Wall Mounted Only)



Digital Inverter Energy Saving



Triangular Design



Quiet Mode Relax with Quietness



2-Step Cooling Comfort Cooling



Anti-Virus Coating Prevent Virus Spreading



Anti-Bacteria Coating Reduce Bacteria



Anti-Allergy Coating Prevent Allergy



Auto Clean Prevent Mould Growth



Good Sleep Refresh & Energetic

Available Functions (Wall Mounted Only):

- Virus Doctor
- Auto Clean
- 4 Fan Speed (Steps)
- Vertical Air Swing (Auto)
- Good Sleep
- Single User Mode
- 2 Step Cooling
- Fast Cool
- Comfort Cool
- Dehumidification
- Quiet Mode
- 24-Hour Timer
- Auto Restart

Note:

1. Rated Cooling : Indoor temperature 24°C DB/19°C WB, Outdoor temperature 35°C DB, Pipe length 5m, Level difference 0m.
2. Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3. Specifications are accurate at time of print and subject to change without notice.
4. 19dB at Quiet mode for AJ09FBA and AJ12FBA fan coil.

Standard Accessories



Wireless Remote Control: MR-EC00 (For Wall Mounted)



Wireless Signal Receiver: MRK-A10N (for Ducted)



Wired Remote Control: MWR-WE10



External Contact Interface Module: MIM-B14



Connecting Wired Remote Control and External Contact Interface Module: MIM-A00



Drain Pump: MDP-G075SP (for Ducted)

SPECIFICATIONS

Cooling Capacity

AJ18FCJ3EC/SP							FULL AMPERE								
Indoor Model			Cooling Capacity (W)				Total Capacity			Power Consumption			Current		
A	B	C	A	B	C	TTL	W			W			A		
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9			2500			2500	1700	2500	3100	460	780	1000	2.1	3.6	4.6
12			3500			3500	1700	3500	4000	460	1160	1510	2.1	5.3	6.9
9	9		2500	2500		5000	1700	5000	6300	460	1510	2230	2.1	6.9	10.2
9	12		2080	2920		5000	1700	5000	6400	460	1540	2250	2.1	7.0	10.3
12	12		2500	2500		5000	1700	5000	6500	460	1570	2270	2.1	7.2	10.4

AJ18FCJ3EC/SP							8.5A LIMIT								
Indoor Model			Cooling Capacity (W)				Total Capacity			Power Consumption			Current		
A	B	C	A	B	C	TTL	W			W			A		
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9			2500			2500	1700	2500	3100	460	780	1000	2.1	3.6	4.6
12			3500			3500	1700	3500	4000	460	1160	1510	2.1	5.3	6.9
9	9		2500	2500		5000	1700	5000	5450	460	1510	1870	2.1	6.9	8.2
9	12		2080	2920		5000	1700	5000	5450	460	1540	1870	2.1	7.0	8.2
12	12		2500	2500		5000	1700	5000	5500	460	1570	1890	2.1	7.2	8.3

AJ21FCJ3EC/SP							FULL AMPERE								
Indoor Model			Cooling Capacity (W)				Total Capacity			Power Consumption			Current		
A	B	C	A	B	C	TTL	W			W			A		
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9			2500			2500	1700	2500	3100	460	780	1000	2.1	3.6	4.6
12			3500			3500	1700	3500	4000	460	1160	1510	2.1	5.3	6.9
18			5000			5000	1700	5000	6000	460	1740	2330	2.1	8.0	10.7
9	9		2500	2500		5000	1700	5000	6600	460	1830	2420	2.1	8.4	11.1
9	12		2270	3180		5450	1700	5450	6650	460	1870	2420	2.1	8.6	11.1
9	18		1970	3930		5900	1700	5900	6700	460	1750	2480	2.1	8.0	11.4
12	12		2950	2950		5900	1700	5900	6700	460	1900	2450	2.1	8.7	11.2
12	18		2470	3530		6000	1700	6000	7400	460	1780	2480	2.1	8.1	11.4
9	9	9	1970	1970	1970	5910	1700	5900	7500	460	1750	2500	2.1	8.0	11.4
9	9	12	1760	1760	2470	5990	1700	6000	7500	460	1780	2500	2.1	8.1	11.4
9	9	18	1500	1500	3000	6000	1700	6000	7500	460	1780	2500	2.1	8.1	11.4
9	12	12	1580	2210	2210	6000	1700	6000	7500	460	1780	2500	2.1	8.1	11.4
9	12	18	1360	1910	2730	6000	1700	6000	7500	460	1780	2500	2.1	8.1	11.4
12	12	12	2000	2000	2000	6000	1700	6000	7500	460	1780	2500	2.1	8.1	11.4

AJ21FCJ3EC/SP							8.5A LIMIT								
Indoor Model			Cooling Capacity (W)				Total Capacity			Power Consumption			Current		
A	B	C	A	B	C	TTL	W			W			A		
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9			2500			2500	1700	2500	3100	460	780	1000	2.1	3.6	4.6
12			3500			3500	1700	3500	4000	460	1160	1510	2.1	5.3	6.9
18			5000			5000	1700	5000	5300	460	1740	1870	2.1	8.0	8.2
9	9		2500	2500		5000	1700	5000	5450	460	1830	1870	2.1	8.1	8.2
9	12		2170	3030		5200	1700	5200	5450	460	1850	1870	2.1	8.1	8.2
9	18		1830	3670		5500	1700	5500	5500	460	1750	1890	2.1	8.0	8.3
12	12		2650	2650		5300	1700	5300	5500	460	1870	1890	2.1	8.2	8.3
12	18		2260	3240		5500	1700	5500	5500	460	1780	1890	2.1	8.1	8.3
9	9	9	1970	1970	1970	5910	1700	5900	6200	460	1750	1890	2.1	8.0	8.3
9	9	12	1760	1760	2470	5990	1700	6000	6200	460	1780	1890	2.1	8.1	8.3
9	9	18	1500	1500	3000	6000	1700	6000	6200	460	1780	1890	2.1	8.1	8.3
9	12	12	1580	2210	2210	6000	1700	6000	6200	460	1780	1890	2.1	8.1	8.3
9	12	18	1360	1910	2730	6000	1700	6000	6200	460	1780	1890	2.1	8.1	8.3
12	12	12	2000	2000	2000	6000	1700	6000	6200	460	1780	1890	2.1	8.1	8.3

SPECIFICATIONS

Cooling Capacity

AJ27HCJ4EC/SP				FULL AMPERE													
Indoor Model				Cooling Capacity (W)					Total Capacity			Power Consumption			Current		
A	B	C	D	A	B	C	D	TTL	W			W			A		
									MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9				2500				2500	2000	2500	2800	580	780	920	2.7	3.6	4.2
12				3500				3500	2000	3500	3800	580	1160	1380	2.7	5.3	6.3
18				5000				5000	2000	5000	6000	580	1680	2150	2.7	7.7	9.8
24				6800				6800	2000	6800	7400	580	2480	3300	2.7	11.4	15.1
9	9			2500	2500			5000	2000	5000	6000	580	1660	2120	2.7	7.6	9.7
9	12			2500	3500			6000	2000	6000	6500	580	2110	2780	2.7	9.7	12.7
9	18			2400	4800			7200	2000	7200	8200	580	2300	3070	2.7	10.5	14.1
9	24			2020	5480			7500	2000	7500	8700	580	2340	3190	2.7	10.7	14.6
12	12			3400	3400			6800	2000	6800	7400	580	2490	3150	2.7	11.4	14.4
12	18			3050	4350			7400	2000	7400	8500	580	2340	3160	2.7	10.7	14.5
12	24			2570	4990			7560	2000	7560	9000	580	2380	3240	2.7	10.9	14.8
18	18			3780	3780			7560	2000	7560	9000	580	2380	3240	2.7	10.9	14.8
18	24			3220	4380			7600	2000	7600	9000	580	2460	3290	2.7	11.3	15.1
24	24			3800	3800			7600	2000	7600	9000	580	2460	3290	2.7	11.3	15.1
9	9	9		2400	2400	2400		7200	2000	7200	8200	580	2310	3080	2.7	10.6	14.1
9	9	12		2180	2180	3040		7400	2000	7400	8500	580	2350	3170	2.7	10.8	14.5
9	9	18		1890	1890	3780		7560	2000	7560	9300	580	2400	3250	2.7	11.0	14.9
9	9	24		1610	1610	4380		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
9	12	12		1980	2760	2760		7500	2000	7500	8700	580	2380	3200	2.7	10.9	14.6
9	12	18		1720	2410	3430		7560	2000	7560	9300	580	2430	3290	2.7	11.1	15.1
9	12	24		1480	2080	4040		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
9	18	18		1520	3040	3040		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
9	18	24		1330	2660	3610		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
12	12	12		2520	2520	2520		7560	2000	7560	9300	580	2420	3290	2.7	11.1	15.1
12	12	18		2220	2220	3160		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
12	12	24		1930	1930	3740		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
12	18	18		1980	2810	2810		7600	2000	7600	9300	580	2470	3300	2.7	11.3	15.1
9	9	9	9	1890	1890	1890	1890	7560	2000	7560	9300	580	2400	3260	2.7	11.0	14.9
9	9	9	12	1720	1720	1720	2400	7560	2000	7560	9300	580	2440	3310	2.7	11.2	15.1
9	9	9	18	1560	1560	1560	3120	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	9	9	24	1360	1360	1360	3720	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	9	12	12	1630	1630	2270	2270	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	9	12	18	1440	1440	2030	2890	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	9	18	18	1300	1300	2600	2600	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	9	12	24	1300	1300	1600	3600	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	12	12	12	1500	2100	2100	2100	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
9	12	12	18	1350	1880	1880	2690	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1
12	12	12	12	1950	1950	1950	1950	7800	2000	7800	9300	580	2300	3310	2.7	10.5	15.1

AJ27HCJ4EC/SP				11A LIMIT													
Indoor Model				Cooling Capacity (W)					Total Capacity			Power Consumption			Current		
A	B	C	D	A	B	C	D	TTL	W			W			A		
									MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9				2500				2500	2000	2500	2800	580	780	920	2.7	3.6	4.2
12				3500				3500	2000	3500	3800	580	1160	1380	2.7	5.3	6.3
18				5000				5000	2000	5000	6000	580	1680	2120	2.7	7.7	9.5
24				6300				6300	2000	6300	6550	580	2260	2280	2.7	10.0	10.1
9	9			2500	2500			5000	2000	5000	6000	580	1660	2120	2.7	7.6	9.5
9	12			2500	3500			6000	2000	6000	6500	580	2110	2280	2.7	9.7	10.1
9	18			2400	4800			7200	2000	7200	7500	580	2280	2300	2.7	10.1	10.2
9	24			1960	5340			7300	2000	7300	7650	580	2340	2390	2.7	10.4	10.5
12	12			3400	3400			6800	2000	6800	7400	580	2280	2300	2.7	10.1	10.2
12	18			3010	4290			7300	2000	7300	7600	580	2340	2370	2.7	10.3	10.4
12	24			2510	4890			7400	2000	7400	7750	580	2380	2440	2.7	10.6	10.7
18	18			3700	3700			7400	2000	7400	7750	580	2380	2440	2.7	10.6	10.7
18	24			3180	4320			7500	2000	7500	7850	580	2460	2480	2.7	10.8	10.9
24	24			3750	3750			7500	2000	7500	7850	580	2460	2480	2.7	10.8	10.9
9	9	9		2400	2400	2400		7200	2000	7200	7800	580	2280	2300	2.7	10.1	10.2
9	9	12		2180	2180	3040		7400	2000	7400	7900	580	2350	2370	2.7	10.3	10.4
9	9	18		1890	1890	3780		7560	2000	7560	8050	580	2400	2440	2.7	10.6	10.7
9	9	24		1610	1610	4380		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
9	12	12		1980	2760	2760		7500	2000	7500	7950	580	2370	2390	2.7	10.4	10.5
9	12	18		1720	2410	3430		7560	2000	7560	8150	580	2430	2480	2.7	10.8	10.9
9	12	24		1480	2080	4040		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
9	18	18		1520	3040	3040		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
9	18	24		1330	2660	3610		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
12	12	12		2520	2520	2520		7560	2000	7560	8050	580	2420	2440	2.7	10.6	10.7
12	12	18		2220	2220	3160		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
12	12	24		1930	1930	3740		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
12	18	18		1980	2810	2810		7600	2000	7600	8150	580	2460	2480	2.7	10.8	10.9
9	9	9	9	1890	1890	1890	1890	7560	2000	7560	8300	580	2400	2440	2.7	10.6	10.7
9	9	9	12	1720	1720	1720	2400	7560	2000	7560	8400	580	2440	2480	2.7	10.8	10.9
9	9	9	18	1560	1560	1560	3120	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	9	9	24	1360	1360	1360	3720	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	9	12	12	1630	1630	2270	2270	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	9	12	18	1440	1440	2030	2890	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	9	18	18	1300	1300	2600	2600	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	9	12	24	1300	1300	1600	3600	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	12	12	12	1500	2100	2100	2100	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
9	12	12	18	1350	1880	1880	2690	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9
12	12	12	12	1950	1950	1950	1950	7800	2000	7800	8400	580	2300	2480	2.7	10.5	10.9

SPECIFICATIONS

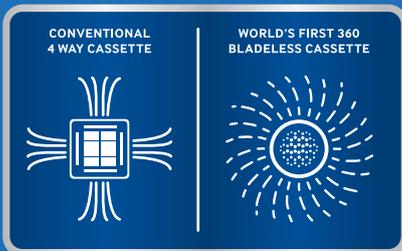
Cooling Capacity

AJ34HCJ5EC/SP					FULL AMPERE														
Indoor Model					Cooling Capacity (W)					TTL	Total Capacity			Power Consumption			Current		
A	B	C	D	E	A	B	C	D	E		W			W			A		
											MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX
9					2500					2500	2100	2500	3300	650	860	1100	2.97	3.94	5.03
12					3500					3500	2100	3500	4300	650	1100	1380	2.97	5.03	6.32
18					5000					5000	2500	5000	6700	650	1540	2020	2.97	7.05	9.24
24					6800					6800	2500	6800	8100	650	2170	2790	2.97	9.93	12.77
9	9				2500	2500				5000	2500	5000	6320	650	1670	2230	2.97	7.64	10.21
9	12				2500	3500				6000	2500	6000	7270	650	1980	2560	2.97	9.06	11.72
9	18				2500	5000				7500	2500	7500	9400	650	2450	3140	2.97	11.21	14.37
9	24				2190	5960				8150	2500	8150	9700	650	2500	3290	2.97	11.44	15.06
12	12				3500	3500				7000	2500	7000	8530	650	2250	2930	2.97	10.3	13.41
12	18				3290	4710				8000	2500	8000	9600	650	2500	3240	2.97	11.44	14.83
12	24				2870	5580				8450	2500	8450	10000	650	2560	3350	2.97	11.72	15.33
18	18				4130	4130				8260	2500	8250	10000	650	2560	3350	2.97	11.72	15.33
18	24				3720	5070				8790	2500	8790	10000	650	2660	3460	2.97	12.17	15.84
24	24				4500	4500				9000	2500	9000	11000	650	2780	3710	2.97	12.72	16.98
9	9	9			2500	2500	2500			7500	2500	7500	9500	650	2460	3150	2.97	11.26	14.42
9	9	12			2350	2350	3290			7990	2500	8000	9700	650	2510	3250	2.97	11.49	14.87
9	9	18			2060	2060	4130			8250	2500	8250	10000	650	2570	3360	2.97	11.76	15.38
9	9	24			1860	1860	5070			8790	2500	8790	10000	650	2670	3470	2.97	12.22	15.88
9	12	12			2160	3020	3020			8200	2500	8200	9800	650	2560	3300	2.97	11.72	15.10
9	12	18			1940	2720	3890			8550	2500	8550	10000	650	2620	3420	2.97	11.99	15.65
9	12	24			1750	2460	4770			8980	2500	8980	10900	650	2750	3720	2.97	12.59	17.03
9	18	18			1780	3570	3570			8920	2500	8920	10900	650	2750	3720	2.97	12.59	17.03
9	18	24			1640	3270	4450			9360	2500	9360	11000	650	2760	3900	2.97	12.63	17.85
9	24	24			1520	4140	4140			9800	2500	9800	11000	650	2870	3900	2.97	13.14	17.85
12	12	12			2820	2820	2820			8460	2500	8450	10000	650	2610	3360	2.97	11.95	15.38
12	12	18			2580	2580	3680			8840	2500	8830	10740	650	2690	3710	2.97	12.31	16.98
12	12	24			2330	2330	4520			9180	2500	9180	11000	650	2790	3720	2.97	12.77	17.03
12	18	18			2370	3380	3380			9130	2500	9130	11000	650	2800	3730	2.97	12.81	17.07
12	18	24			2170	3100	4220			9490	2500	9500	11000	650	2820	3900	2.97	12.91	17.85
12	24	24			2010	3900	3900			9810	2500	9800	11000	650	2920	3900	2.97	13.36	17.85
18	18	18			3170	3170	3170			9510	2500	9500	11000	650	2820	3900	2.97	12.91	17.85
18	18	24			2920	2920	3970			9810	2500	9800	11000	650	2920	3900	2.97	13.36	17.85
9	9	9	9		2210	2210	2210	2210		8840	2500	8840	10270	680	2600	3540	3.11	11.90	16.20
9	9	9	12		2060	2060	2060	2880		9060	2500	9060	10430	680	2660	3600	3.11	12.17	16.48
9	9	9	18		1820	1820	1820	3640		9100	2500	9100	10900	680	2780	3900	3.11	12.72	17.85
9	9	9	24		1650	1650	1650	4490		9440	2500	9440	11000	680	2770	3900	3.11	12.68	17.85
9	9	12	12		1900	1900	2650	2650		9100	2500	9100	10740	680	2720	3900	3.11	12.45	17.85
9	9	12	18		1720	1720	2410	3440		9290	2500	9300	11000	680	2830	3900	3.11	12.95	17.85
9	9	12	24		1600	1600	2240	4360		9800	2500	9800	11000	680	2830	3900	3.11	12.95	17.85
9	9	18	18		1630	1630	3270	3270		9800	2500	9800	11000	680	2830	3900	3.11	12.95	17.85
9	9	18	24		1490	1490	2980	4050		10010	2500	10000	11000	680	2930	3900	3.11	13.41	17.85
9	12	12	12		1770	2480	2480	2480		9210	2500	9200	10900	680	2780	3900	3.11	12.72	17.85
9	12	12	18		1630	2280	2280	3260		9450	2500	9440	11000	680	2820	3900	3.11	12.91	17.85
9	12	12	24		1500	2100	2100	4090		9790	2500	9800	11000	680	2880	3900	3.11	13.18	17.85
9	12	18	18		1530	2140	3060	3060		9790	2500	9800	11000	680	2890	3900	3.11	13.23	17.85
9	18	18	18		1430	2860	2860	2860		10010	2500	10000	11000	680	2990	3900	3.11	13.68	17.85
12	12	12	12		2360	2360	2360	2360		9440	2500	9420	11000	680	2820	3900	3.11	12.91	17.85
12	12	12	18		2210	2210	2210	3160		9790	2500	9800	11000	680	2880	3900	3.11	13.18	17.85
12	12	12	24		2020	2020	2020	3930		9990	2500	10000	11000	680	2930	3900	3.11	13.41	17.85
12	12	18	18		2060	2060	2940	2940		10000	2500	10000	11000	680	2930	3900	3.11	13.41	17.85
9	9	9	9	9	1900	1900	1900	1900	1900	9500	2500	9500	11000	680	2790	3900	3.11	12.77	17.85
9	9	9	9	12	1760	1760	1760	1760	2460	9500	2500	9500	11000	680	2840	3900	3.11	13.00	17.85
9	9	9	9	18	1670	1670	1670	1670	3330	10010	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	9	9	9	24	1490	1490	1490	1490	4050	10010	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	9	9	12	12	1720	1720	1720	2410	2410	9980	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	9	9	12	18	1560	1560	1560	2190	3130	10000	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	9	9	18	18	1430	1430	1430	2860	2860	10010	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	9	9	12	12	1610	1610	2260	2260	2260	10000	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	9	12	12	18	1470	1470	2060	2060	2940	10000	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
9	12	12	12	12	1520	2120	2120	2120	2120	10000	2500	10000	12000	680	2950	3900	3.11	13.50	17.85
12	12	12	12	12	2000	2000	2000	2000	2000	10000	2500	10000	12000	680	2950	3900	3.11	13.50	17.85

WORLD'S FIRST 360 BLADELESS CASSETTE

360 Even Cooling, Cold Draft-Free

Samsung 360 Bladeless Cassette combines revolutionary performance with the **WORLD'S FIRST CIRCULAR DESIGN**, blending into and enhancing any interior space. Samsung's patented Booster Fan Technology and the innovative 360 design enables even distribution of cool air. This unique feature solves the cold draft and hot spot problems found in other conventional models.



Functional Meets Design

It comes with a standard round white panel, with an option of square white panel or round black panel to meet your interior design needs.



Wi-Fi® Kit (optional)

Ease of use is taken to a new level as you can control and monitor your air conditioning system anytime, anywhere simply from your smart device with Samsung Smart Things App+.

+ Available on Android & iOS7 devices. A Wi-Fi® connection is required.



Circular LED Display Window

The Circular LED display indicates the direction of airflow of the 3 Zone which can be independently controlled. This innovation is made possible by Samsung patented Booster Fan technology.



Virus Doctor Kit (optional)

An amazing purifying technology that reduces up to 99%* harmful bacteria and viruses, keeping the air clean and healthy.

* This is based on Samsung's internal test results and individual test results may vary.

360 BLADELESS CASSETTE



Evenly Circulates & Cools Every Corner

Unlike conventional 4-way cassette units, the cutting-edge design of the 360 Bladeless Cassette delivers a zero angle airflow with our patented booster fan technology. The air volume is maintained at 100% to deliver an optimal even cooling performance without creating cold draft. A circular outlet blows cool air in all directions, so every corner of a room is of similar temperature.



Comfortable Cooling Cold Draft Free

The bladeless outlet ensures that cool air is gently dispersed, without creating cold draft. Airflow is not blocked at low angles, so that it can expel 25%* more air and spread further.



* Based on Samsung's internal test data. Compared with Samsung 4-way cassette.

Circular to Perfectly Fit in Everywhere

Users have a choice of either black or white, square or round panel, to fit the air conditioner within the ceiling or exposed, and with any finishing such as wood, concrete, wallpaper and paint, offering ultimate flexibility to suit the style of any room.





Circular LED Display Window

The 360 Bladeless Cassette combines revolutionary performance with an elegant design which will blend in and enhance any setting. The unit features a stylish panel and intuitive LED display that allows users to change the air flow direction depending on their preference. Users can choose either horizontal or vertical air flow, and also control the air flow of 3 individual zones independently*.



Value-Added Accessories (Optional)

Virus Doctor Kit



Samsung's Virus Doctor Kit generates active hydrogen and oxygen ions which reduces up to 99%** of biological contaminants and active oxygen (OH-radical) in the air by turning them into harmless H₂O. This optional device can be easily installed by inserting into the indoor unit.



Wi-Fi® Kit



Allows you to remotely control and monitor your air conditioning system with user friendly functions such as Filter Cleaning Reminder and Energy Monitoring, anytime anywhere subjected to internet connectivity.



* Individual zone air flow direction only made possible with the use of Premium Dial wireless remote controller and wired remote controller .
 ** This is based on Samsung's internal test results and individual test results may vary.

SPECIFICATIONS

Single Split Inverter 360 Bladeless Cassette



				TYPE			SINGLE PHASE		
MODEL		INDOOR UNIT		AC071KN4PEH/SA	AC100KN4PEH/SA	AC125KN4PEH/SP			
		OUTDOOR UNIT		AC071KXAPEH/SA	AC100KXAPEH/SA	AC125KXAPEH/SP			
SYSTEM	Cooling Capacity	Rated / Max.	kW	7.1 / 8	10 / 12	12.5 / 15.5			
			BTU/h	24,200 / 27,300	34,100 / 40,900	42,700 / 52,900			
		COP		3.80	3.84	3.58			
	Current Input	Rated	Amp	8.6	12.1	15.8			
	Piping Connections	Liquid Pipe	mm	6.35	9.52	9.52			
		Gas Pipe	mm	15.88					
	Max Piping	Length	m	50	75				
Height		m	30						
Refrigerant	Type	R410A							
360 INDOOR UNIT	Power Supply [Ø / V / Hz]			1 / 220 – 240 / 50					
	Airflow	Low / High	CMM	14.5 / 21.5	22 / 30	23 / 33			
	Sound Pressure	Low / High	dB(A)	28 / 34	32 / 43	34 / 44			
	Net Dimension	(Diameter x H)	mm	947 x 289					
	Net Weight		kg	24	26	26			
	Round Panel	Model	White	PC4NUNMAN (Standard)					
			Black	PC4NBNMAN (Optional)					
		Net Dimension (Diameter x H)	mm	1,050 x 94					
	Square Panel (Optional)	Model	White	PC4NUDMAN (Optional)					
			Black	PC4NBDMAN (Optional)					
Net Dimension (W x H x D)		mm	1,000 x 66 x 1,000						
OUTDOOR UNIT	Power Supply [Ø / V / Hz]			1 / 220 – 240 / 50					
	Compressor Type			Twin BLDC Rotary (Inverter)					
	Sound Pressure		dB(A)	49	51	52			
	Net Dimension (W x H x D)		mm	880 x 798 x 310	940 x 1,210 x 330	940 x 1,420 x 330			
	Net Weight		kg	50.5	90	98			



Note:

1. Rated Cooling : Indoor temperature 24°C DB/19°C WB, Outdoor temperature 35°C DB, Pipe length 5m, Level difference 0m.
2. Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3. Specifications are accurate at time of print and subject to change without notice.
4. Please refer to product manual for more detailed installation information.
5. For Round Panel installation, recommended to have a minimum of 310mm space above the false ceiling.
6. Optional Wi-Fi® / Virus Dr Kit is to be installed at site by installers.



Round Panel Installation



Square Panel Installation

Standard Accessories

Optional Accessories



White Round Panel:
PC4NUNMAN



Wireless Remote
Control: MR-EC00



Black Round Panel:
PC4NBNMAN



White Square Panel:
PC4NUDMAN



Premium Dial Wireless
Remote Control:
AR-KH00E



Premium Wired Touch
Screen Control:
MWR-SH10N



Wired Remote
Control:
MWR-WE13N



Virus Doctor Kit®:
MSD-CAN1



Wi-Fi® Kit®:
MIM-H03N



Single Inverter 4-Way Cassette

4-WAY CASSETTE

Smart and Stylish

Stylish design, an effective Smart Inverter compressor and a plethora of innovative features make Samsung 4-Way Cassette great for residential and light commercial cooling applications with limited roof space.



Smart Inverter Compressor

Samsung's Smart Inverter technology helps to maintain a comfortable temperature without constantly shutting off and switching on the compressor. It automatically adjusts the capacity of the system to cope with temperature variances, helping to ensure that you experience minimal temperature fluctuation for optimal comfort.



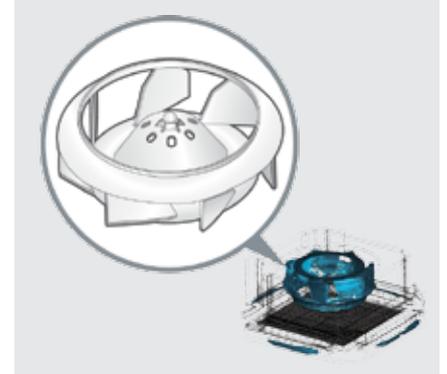
Customisable Airflow

The unit can be configured as a 4, 3, 2 or even 1 way cassette by selecting which blades are open when the unit is running. Vertical blade angles can be separately set to the desired airflow angle of individual preference.



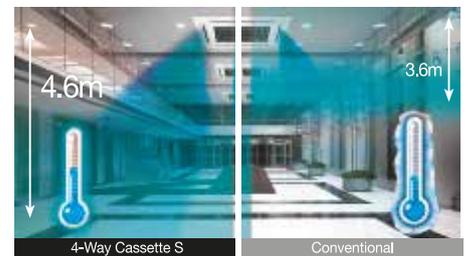
Quiet, Even Airflow Distribution

Samsung's aerodynamically designed Turbo Fan minimises blade movement noise, meaning our new 4-way Cassette is quieter than conventional models. The Turbo Fan's wide blades also provide evenly distributed cool air from four separate outlets so that the entire room can cool down faster.



High Ceiling Mode

The High Ceiling mode allows indoor unit to provide more powerful airflow throughout the room. This mode enlarges the coverage area of the airflow to a height of 4.6m.



Applicable for 4-Way Cassette S only.

Easy Blade Cleaning

Samsung 4-way cassettes have detachable air flow blades. You do not need to remove the entire panel to clean the blades. This makes maintenance a breeze.



Value-Added Accessories (Optional)

Virus Doctor Kit



Samsung's Virus Doctor device generates active hydrogen and oxygen ions which reduces up to 99%* of biological contaminants and active oxygen (OH-radical) in the air by turning them into harmless H₂O. This optional device can be easily installed by inserting into the indoor unit.

* This is based on Samsung's internal test results and individual test results may vary.



Wi-Fi® Kit



Allows you to remotely control and monitor your air conditioning system with user friendly functions such as Filter Cleaning Reminder and Energy Monitoring, anytime anywhere subjected to internet connectivity.



Virus Doctor Kit

SPECIFICATIONS

Single Inverter 4-Way Cassette Mini



TYPE				4-WAY CASSETTE MINI		
MODEL		INDOOR UNIT		ACN035NDEHH/SA	ACN052NDEHH/SA	
		OUTDOOR UNIT		RC035DHXEH/XSA	RC052DHXEH/XSA	
SYSTEM	Cooling Capacity	Min / Rated / Max	kW	0.99 / 3.50 / 4.20	1.30 / 5.00 / 5.90	
			BTU/h	3,380 / 11,940 / 14,330	4,440 / 17,060 / 20,130	
	Running Current	Rated	COP	3.59	3.39	
			Amp	4.40	6.50	
	Piping Connections	Piping Connections	Liquid Pipe	mm	6.35	6.35
			Gas Pipe	mm	12.70	15.88
			Max. Piping Length	m	30	50
Max. Piping Height			m	20	30	
Refrigerant	Type		R410A	R410A		
INDOOR UNIT	Fan Motor Output		W	65	65	
	Airflow	Low / Mid / High	CMM	7.3 / 9.0 / 10.7	9.0 / 10.7 / 12.4	
	Sound Pressure	Low / Mid / High	dB(A)	29 / 33 / 36	34 / 36 / 39	
	Dimension		W x H x D (mm)	575 x 250 x 575	575 x 250 x 575	
	Weight		kg	11.70	12.00	
	Panel Size	Dimension	W x H x D (mm)	620 x 45 x 620	620 x 45 x 620	
		Weight	kg	2.30	2.30	
OUTDOOR UNIT	Power Supply [Ø / V / Hz]			1 / 220 - 240 / 50		
	Compressor Power Output		kW	1.37	1.79	
	Sound Pressure		dB(A)	47	49	
	Dimension		W x H x D (mm)	790 x 548 x 285	880 x 798 x 310	
	Weight		kg	38.50	55.00	



Single Inverter 4-Way Cassette

TYPE				4-WAY CASSETTE				
MODEL		INDOOR UNIT		NS0714PXEA	NS1004PXEA	NS1254PXEA	NS1404PXEA	
		OUTDOOR UNIT		RC071PHXEA	RC100PHXEA	RC125PHXEA	RC140PHXEA	
SYSTEM	Cooling Capacity	Min / Rated / Max	kW	2.20 / 7.10 / 8.00	3.50 / 10.00 / 12.00	3.50 / 12.50 / 14.00	4.40 / 14.00 / 15.50	
			BTU/h	7,500 / 24,200 / 27,300	11,900 / 34,100 / 40,900	11,900 / 42,700 / 47,800	15,000 / 47,800 / 52,900	
	Running Current	Rated	COP	3.50	3.77	3.39	3.35	
			Amp	9.50	10.50	15.50	17.80	
	Piping Connections	Piping Connections	Liquid Pipe	mm	6.35	9.52	9.52	9.52
			Gas Pipe	mm	15.88	15.88	15.88	15.88
			Max. Piping Length	m	50	75	75	75
Max. Piping Height			m	30	30	30	30	
Refrigerant	Type		R410A	R410A	R410A	R410A		
INDOOR UNIT	Fan Motor Output		W	65	97	97	97	
	Airflow	Low / Mid / High	CMM	17.5 / 21.0 / 23.0	18.0 / 24.0 / 30.0	19.0 / 24.0 / 30.0	21.0 / 26.0 / 32.0	
	Sound Pressure	Low / Mid / High	dB(A)	28.0 / 32.0 / 36.0	34.0 / 39.0 / 44.0	36.0 / 40.0 / 44.0	38.0 / 41.5 / 45.0	
	Dimension		W x H x D (mm)	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	
	Weight		kg	17	21	21	21	
	Panel Size	Dimension	W x H x D (mm)	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	
		Weight	kg	5.90	5.90	5.90	5.90	
OUTDOOR UNIT	Power Supply [Ø / V / Hz]			1 / 220 - 240 / 50				
	Sound Pressure		dB(A)	49	49	51	51	
	Dimension		W x H x D (mm)	880 x 798 x 310	940 x 1210 x 330	940 x 1210 x 330	940 x 1420 x 330	
	Weight		kg	55	88	88	98	

Note:

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



Standard Accessories



Panel: PC4SUSMB
(4-Way Cassette Mini)



Panel: PC4NUSKA
(4-Way Cassette)



Wireless Remote
Control: MR-EC00

Optional Accessories



Wired Remote
Control: MWR-WE10



Virus Doctor Kit:
MSD-CAN1



Wi-Fi Kit:
MIM-H03N



Single Inverter Ceiling Ducted

Ceiling Ducted

Slim Fit and Robust

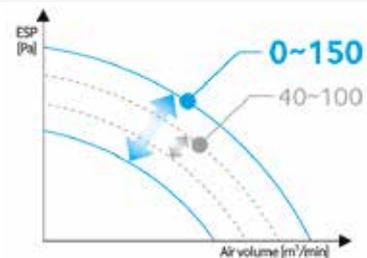
The compact slim fit design reduces the size by 30%* as compared to Samsung conventional ducted air conditioners, so it can fit into small spaces. With a thickness of 1.2mm steel frame, it ensures high quality and durability.

* Compared with Samsung conventional models.



Wide Range of External Static Pressure (ESP)

Samsung has a comprehensive range of Ducted models with different capacity and ESP to cater to different users' requirements.



Flexible Installation – Slim Fit and Light Weight

Samsung Ducted models have a Compact Slim Fit design which is smaller in volume and weight compared to conventional models. It is 30% smaller which can fit into small spaces. It is easy to handle as its weight is 42% lighter than conventional models.



Samsung Conventional

[10kW Inv. Delux]

Automatic External Static Pressure (ESP) Sensing

Unlike other ducted models which you need to manually set the required ESP, Samsung Ducted models, with a click on the remote control, will automatically calculate the required ESP to ensure optimum comfort airflow.

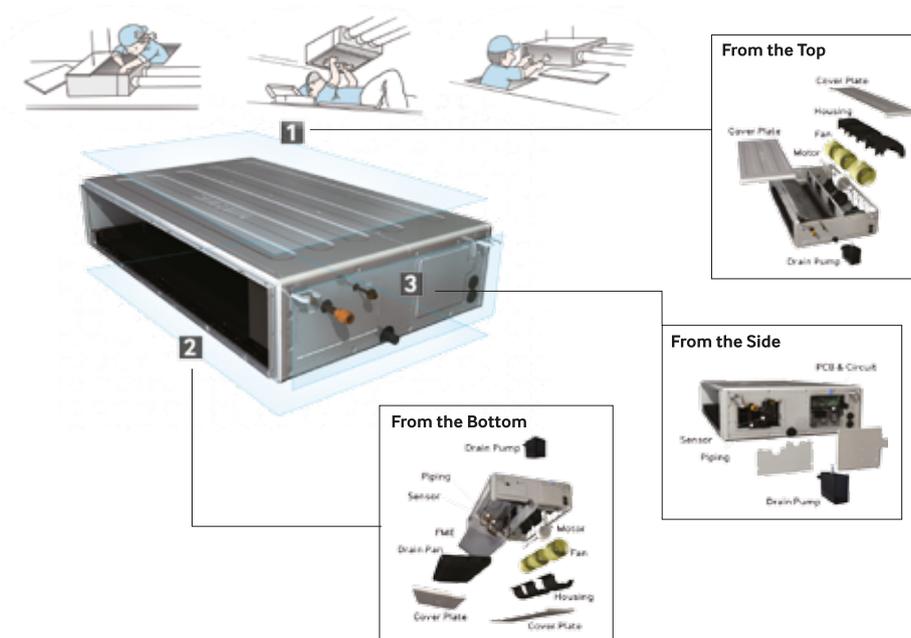


*ESP: External Static Pressure

*Standard Wired Controller
*Zone Controller

3-Way Service

Samsung Ducted models can be accessed from 3 directions (top, side or bottom) for easier maintenance and servicing.

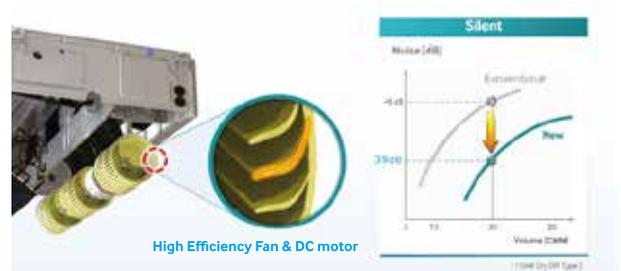


Silent Operation

Aero-dynamic Blade

The new Sirocco Fan is bigger and better. Its Aero-dynamic Blades increase air volume by 10%* and it is quieter compared to conventional ones.

* Compare with Samsung conventional models.



Value-Added Accessories (Optional)

Virus Doctor Kit



Samsung's Virus Doctor Kit generates active hydrogen and oxygen ions which reduces up to 99%* of biological contaminants and active oxygen (OH-radical) in the air by turning them into harmless H₂O. This optional device can be easily installed by inserting into the indoor unit.

* This is based on Samsung's internal test results and individual test results may vary.



Wi-Fi® Kit



Allows you to remotely control and monitor your air conditioning system with user friendly functions such as Filter Cleaning Reminder and Energy Monitoring, anytime anywhere subjected to internet connectivity.

SPECIFICATIONS

Single Inverter Ceiling Ducted



TYPE				SINGLE PHASE		
MODEL	INDOOR UNIT			AC018HBMKDKEA	AC024HBMKDKEA	AC030HBMKDKEA
	OUTDOOR UNIT			AC018HCADKHEA	AC024HCADKHEA	AC030HCADKHEA
SYSTEM	Cooling Capacity	Min / Rated / Max	kW	1.20 / 5.00 / 6.00	2.00 / 7.10 / 8.00	2.60 / 9.00 / 11.50
			BTU/h	4,100 / 17,100 / 20,500	6,800 / 24,200 / 27,300	8,900 / 30,700 / 39,200
	Running Current	Rated	Amp	7.20	9.80	13.00
			COP	3.21	3.21	3.21
	Piping Connections	Liquid Pipe	mm	6.35	6.35	9.52
			Gas Pipe	mm	12.70	15.88
Max. Piping Length			m	30	50	50
Max. Piping Height			m	20	30	30
INDOOR UNIT	Refrigerant	Type		R410A	R410A	R410A
	Fan Motor Output		W	153	153	153
	Airflow	Low / Mid / High	CMM	11.0 / 13.5 / 16.0	16.0 / 19.0 / 22.0	22.0 / 25.0 / 29.0
	External Static Pressure	Min / Rated / Max	Pa	0.0 / 29.4 / 147.0	0.0 / 29.4 / 147.0	0.0 / 39.2 / 147.0
	Sound Pressure	Low / Mid / High	dB(A)	27 / 30 / 33	29 / 33 / 37	32 / 35 / 38
	Dimension		W x H x D (mm)	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700
	Weight		kg	25	25	32
	Power Supply [Ø / V / Hz]			1 / 220 - 240 / 50		
	Compressor Power Output		kW	1.42	1.85	2.82
OUTDOOR UNIT	Fan	Sound Pressure	dB(A)	48	49	52
	Dimension		W x H x D (mm)	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330
	Weight		kg	45	55	72



TYPE				SINGLE PHASE		THREE PHASE
MODEL	INDOOR UNIT			AC036HBMKDKEA	AC048HBMKDKEA	AC200JNHFKH/SA
	OUTDOOR UNIT			AC036HCADKHEA	AC048HCADKHEA	AC200JXAFNH/SA
SYSTEM	Cooling Capacity	Min / Rated / Max	kW	2.80 / 10.00 / 12.00	4.60 / 14.00 / 15.40	6.21 / 20.00 / 22.51
			BTU/h	9,600 / 34,100 / 40,900	15,700 / 47,800 / 52,500	21,200 / 68,200 / 76,800
	Running Current	Rated	Amp	15.00	21.60	9.80
			COP	3.11	3.02	3.30
	Piping Connections	Liquid Pipe	mm	9.52	9.52	9.52
			Gas Pipe	mm	15.88	15.88
Max. Piping Length			m	50	75	75
Max. Piping Height			m	30	30	30
INDOOR UNIT	Refrigerant	Type		R410A	R410A	R410A
	Power Supply [Ø / V / Hz]			1 / 220 - 240 / 50		
	Fan Motor Output		W	153	244	500
	Airflow	Low / Mid / High	CMM	22.0 / 27.0 / 32.0	25.0 / 34.0 / 42.0	51.0 / 61.0 / 72.0
	External Static Pressure	Min / Rated / Max	Pa	0.0 / 39.2 / 147.0	0.0 / 50.96 / 147.0	50.01 / 71.98 / 196.13
	Sound Pressure	Low / Mid / High	dB(A)	32 / 35 / 38	33 / 37 / 40	36 / 40 / 44
	Dimension		W x H x D (mm)	1200 x 250 x 700	1300 x 300 x 700	1350 x 450 x 910
	Weight		kg	32	36	82.5
	Power Supply [Ø / V / Hz]			3 / 380 - 415 / 50		
OUTDOOR UNIT	Compressor Power Output		kW	2.82	4.12	4.96
	Fan	Sound Pressure	dB(A)	52	53	57
	Dimension		W x H x D (mm)	940 x 998 x 330	940 x 1210 x 330	880 x 1695 x 765
	Weight		kg	72	88	190

Note:

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

Standard Accessories

Optional Accessories





SAMSUNG
AIR CONDITIONERS

PREMIUM AFTER SALES CARE

Same Day Service

SINGAPORE'S FIRST



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



**WORLD'S FIRST
360 BLADELESS CASSETTE**



After Sales Care (1800-SAMSUNG) | Sales Enquiries: 6833 3000

- Same day service is only applicable for service request received before 10am (Monday - Friday) excluding Public Holidays & Eve of Public Holidays.
- All other service request received after 10am (Monday - Friday) will be attended on the next working day.
- Same day service request is only applicable for Single Split Inverter 360 Bladeless Cassette and 5 ticks Multi Split Inverter with Built-In Smart Wi-Fi® that is within 1st year general warranty period.
- Same day service is not applicable for all project businesses.

AUTHORISED SPARE PARTS CENTRE

43 Kaki Bukit Industrial Terrace Singapore 416123
Tel : 6747 7993 Fax : 6443 3013

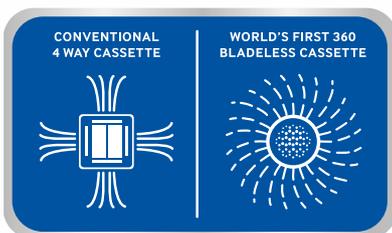
Opening Hours :
9 am - 5.30 pm (Monday - Friday)
9 am - 12.30 pm (Saturday)
Closed on Sunday & Public Holidays.

WORLD'S FIRST 360 BLADELESS CASSETTE



Made in
Korea

iF DESIGN
AWARD
2016



360 Even Cooling, Cold Draft Free

Samsung 360 Bladeless Cassette combines revolutionary performance with the **WORLD'S FIRST CIRCULAR BLADELESS DESIGN**, blending into and enhancing any interior space. Samsung's patented Booster Fan Technology and the innovative 360 design enables even distribution of cool air. This unique feature solves the cold draft and hot spot problems found in other conventional models.



SALES ENQUIRIES: 6833 3000
AFTER SALES SERVICE HOTLINE: 1800 726 7864

www.samsung.com/sg/airconditioners

SAMSUNG ASIA PTE LTD Reg. Co. No. 200610380DJ
30 Pasir Panjang Road #17-31/32
Mapletree Business City, Singapore 117440

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