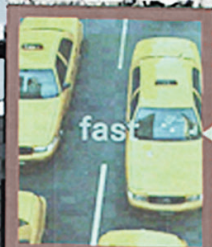


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Samsung Room Air Conditioning



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Air Conditioning Solutions from a Trusted Brand

At the heart of family living is the home, a place full of special moments and wonderful memories where families live and grow in their own unique way.

At Samsung, we imagine all sorts of innovative ways to improve how your home functions and help it run smoothly – so you have more quality time for the joys of raising your family and looking after their well-being.

We're proud to say our Samsung brand is recognised as one of the world's leading intuitive and humanistic product design companies, and one of the world's top electronics producers.

Samsung air conditioners have been designed with the same passion for innovation and quality that has helped make Samsung one of the 2011 Best Global Brands*.

Samsung air conditioning systems are held in high esteem around the world and have been selected for a multitude of developments including shopping centres, airports, stadiums and hotels.

Samsung continues to invest heavily in R&D, performance testing and quality control to deliver quality air conditioning systems to market.



British Allergy Foundation



The Samsung air conditioning range[^] has gained the Seal of Approval from the British Allergy Foundation. The range[^] has been shown to perform effectively in the reduction of airborne house dust mite allergens, cat allergens, dog allergens and mould spores.

*Source: Best Global Brand 2011. Interbrand.

[^]Excludes model AQV30UWCN

Maximus Inverter Split System

Samsung's new range of Maximus inverter split systems provide peace of mind in a stylish design. Featuring the new and innovative D'Light Mode along with refined air purification and directional airflow, Samsung's Maximus allows you to condition your room to your exact needs.

The Samsung Maximus is designed so it blends into its surrounds. The exquisitely designed air conditioner is a perfect solution for your stylish and modern home.



3D Air

3D Air allows air to distribute to every corner of the room to ensure even cooling and heating is delivered for perfect comfort at the touch of a button. As well as Auto Vertical and Horizontal airflow the Maximus provides a 13 metre air throw on high airflow. In heating mode the Waterfall Airflow allows heat to be distributed evenly in the room. 3D Air allows you to condition the room exactly how you want it.



D'Light Mode

The Maximus is able to measure humidity as well as temperature levels. In humid environments the air conditioning unit will access the comfort level of the room. If the requested temperature is met, but the humidity level is too high, the Maximus will continue to reduce humidity levels until a comfortable condition is reached. So you can spend less time managing humidity and more time enjoying the things you love.

Good Sleep Mode



Automatically adjusts the temperature to create an ideal temperature which may help you fall asleep, maintain a comfortable sleep environment and awake refreshed.



HD90 Filtration

The new High Density (HD) Filtration system improves the general air quality and can help reduce dust in the room.



Smart Mode

Enables the air conditioner's compressor to operate at a reduced intensity when the air conditioner is not required to be run at maximum cooling / heating capacity.



Auto Changeover

Automatically selects the operating mode according to the temperature setting, so the air conditioner heats or cools as required to maintain the set temperature.



Quiet Mode

Noise levels can be reduced when that extra quiet time is needed.



Real Time Timer

Gives you the ability to fully program an on and off time to operate the air conditioner.

Max Plus Inverter Split System



Samsung's new range of Max Plus inverter split systems provide year round comfort for both summer and winter while offering great air quality. Included in the new line-up is the introduction of an Ioniser* and a host of features.

Good Sleep Mode



Automatically adjusts the temperature to create the most ideal temperature which may help you fall asleep, maintain a comfortable sleep environment and awake refreshed.

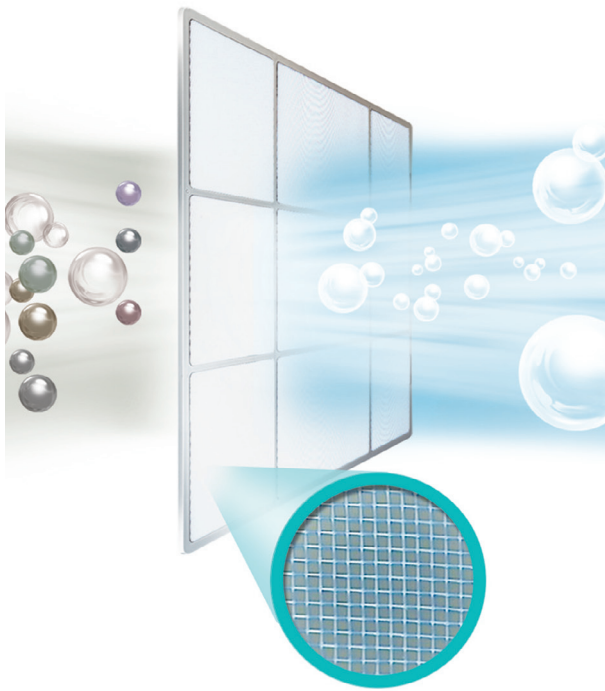
Good Sleep operation in Cooling:

- 1.** Falling Asleep Stage: Eases you into sleep by dropping the temperature.
- 2.** Sound Sleep Stage: Relaxes your body and raises the temperature slightly.
- 3.** Wake up stage: The temperature will automatically rise in order to increase your body temperature for a refreshing start to the day.



Easy Use remote has a large display and is simple to navigate

* Excludes model AQV30UWCN



HD80 Filtration

As well as cooling and heating, air conditioning units can improve the general quality of the air in your room. Samsung has designed our New High Density (HD) Filtration system with the opening size in the filter being a third of the opening size in Samsung's previous range of air conditioners. This may assist in reducing the dust levels in the room.



Turbo Cooling

Operates the unit at its maximum speed to quickly reach the set temperature.



Smart Mode

Enables the air conditioner's compressor to operate at a reduced intensity when the air conditioner is not required to be run at maximum cooling / heating capacity.



Quiet Mode

Designed with noise reduction in mind with a noise level from 20db when operating at a low fan speed on the AQV09UWLN and AQV12UWLN models. The inclusion of a Quiet Mode feature also means that these levels can be further reduced when that quiet time is needed.



Real Time Timer

Gives you the ability to program an on and off time to operate the air conditioner.



Auto Clean Indoor Coil

Runs the fan for a certain amount of time after the air conditioner stops. This helps to dry off the moisture within the unit.



Anti Corrosion Fin

Helps to protect the outdoor heat exchanger from corrosion so you can enjoy cool air.

Maximus and Max Plus

	Range		MAXIMUS			
	BOM Code		F-AQV09KWAN-01		F-AQV12KWAN-01	
	Indoor Code		AQV09KWANXSA		AQV12KWANXSA	
	Outdoor Code		AQV09KWAXXSA		AQV12KWAXXSA	
PERFORMANCE						
Capacity	Cooling	kW	2.4		3.5	
		(min-max)	0.99	3.30	0.99	4.00
	Heating	kW	3.1		4.0	
		(min-max)	0.99	6.00	0.99	6.60
Tested Energy Efficiency Rating	Cooling	AEER(W/W)	4.94		4.13	
	Heating	ACOP(W/W)	4.96		4.45	
Star Rating	Cooling	Stars	5.0		3.5	
	Heating	Stars	5.0		4.0	
Moisture Removal		ℓ/hr.	0.8		1.3	
Air Circulation (Max)		l/Sec	200		215	
Sound Pressure Levels	Indoor High	dBA	39		41	
	Indoor Low(±3)	dBA	20		20	
	Outdoor High	dBA	45		45	
Sound Power Levels	Outdoor High	dBA	62		64	
ELECTRICAL DATA						
Power Source		V/Hz/Ph	220 ~ 240 / 50 / 1 (mains power to outdoor unit)		220 ~ 240 / 50 / 1 (mains power to outdoor unit)	
Power Consumption	Cooling	W	470		820	
	Heating	W	600		890	
Operating Current	Cooling	Amps	2.5		3.8	
	Heating	Amps	3.0		4.1	
DIMENSIONS & WEIGHT_{tw}						
Dimension (W x H x D)	Indoor	mm	880 x 313 x 237		880 x 313 x 237	
	Outdoor	mm	790 x 545 x 285		790 x 548 x 285	
Weight	Indoor	kg	11.5		11.5	
	Outdoor	kg	35.5		35.5	
TECHNICAL INFORMATION						
Piping Length	Pre Charged	m	7.5		7.5	
	Max	m	20		20	
Piping Height	Max	m	8		8	
Compressor Type			TWIN BLDC ROTARY		TWIN BLDC ROTARY	
Operating Range	Cooling	°C	-10~46		-10~46	
	Heating	°C	-15~24		-15~24	
Refrigerant Type			R410A		R410A	
FEATURES						
Operating Mode	Turbo Mode		✓		✓	
	D'Light Cool		✓		✓	
	Good Sleep		✓		✓	
	Smart Saver		✓		✓	
	Dehumidification		✓		✓	
	Auto Mode		✓		✓	
	Fan Mode		✓		✓	
	Quiet Mode		✓		✓	
Outdoor Unit	Anti-Corrosion Fin		✓		✓	
Air Flow	3D Air		✓		✓	
	Air Direction Control (Up/Down)		Auto		Auto	
	Air Direction Control (Left/Right)		Auto		Auto	
	Air Flow Speeds (Cool/Fan)		4 / 3		4 / 3	
Air Purification	S-Plasma Ioniser		✓		✓	
	Full HD Filter		HD90		HD90	
	Auto Clean (Indoor Coil)		✓		✓	
Convenience	Remote Controller		✓		✓	
	Real-Time Timer		✓		✓	
	Auto Changeover		✓		✓	
	Auto Restart		✓		✓	

RATING CONDITIONS	Cooling	Heating
Inside air temperature	27°C DB / 19°C WB	20°C DB
Outside air temperature	35°C DB	7°C DB / 6°C WB

Model Specifications*

MAX PLUS										
F-AQV09UWLN-01		F-AQV12UWLN-01		F-AQV18UWLN-01		F-AQV24UWCN-01		F-AQV30UWCN-01		
AQV09UWLNXSXA		AQV12UWLNXSXA		AQV18UWLNXSXA		AQV24UWCNXSXA		AQV30UWCNXSXA		
AQV09UWLXXSA		AQV12UWLXXSA		AQV18UWLXXSA		AQV24UWCXXSA		AQV30UWCXXSA		
2.5		3.5		5.0		6.8		8.0		
0.99	3.20	0.99	4.00	1.60	6.00	2.20	8.00	2.00	9.3	
3.2		4.0		6.0		8.0		9.0		
0.99	5.20	0.99	6.00	1.20	8.00	1.90	10.00	2.20	12.0	
4.34		3.80		3.53		3.42		3.35		
4.52		4.04		3.53		3.35		3.40		
4.0		3.0		2.5		2.0		2.0		
4.5		3.5		2.5		2.0		2.0		
1.0		1.4		2.5		3.0		4.5		
190		200		275		320		430		
35		36		40		41		45		
20		20		27		27		29		
45		47		53		55		57		
62		64		69		70		71		
220 ~ 240 / 50 / 1 (mains power to outdoor unit)		220 ~ 240 / 50 / 1 (mains power to outdoor unit)		220 ~ 240 / 50 / 1 (mains power to outdoor unit)		220 ~ 240 / 50 / 1 (mains power to outdoor unit)		220 ~ 240 / 50 / 1 (mains power to outdoor unit)		
560		920		1400		2100		2480		
700		990		1660		2420		2720		
2.6		4.2		6.4		9.7		11.4		
3.2		4.5		7.6		11.1		12.4		
890 x 285 x 190		890 x 285 x 190		1065 x 298 x 230		1065 x 298 x 230		1279 x 345 x 229		
790 x 548 x 285		790 x 548 x 285		880 x 638 x 310		880 x 798 x 310		880 x 798 x 310		
8.6		8.6		11.4		11.4		18.2		
36		36		52		54.2		62.0		
7.5		7.5		7.5		7.5		7.5		
15		15		30		30		30		
8		8		15		15		15		
BLDC ROTARY		BLDC ROTARY		TWIN BLDC ROTARY		TWIN BLDC ROTARY		TWIN BLDC ROTARY		
-10~46		-10~46		-10~46		-10~46		-10~46		
-15~24		-15~24		-15~24		-15~24		-15~24		
R410A		R410A		R410A		R410A		R410A		
✓		✓		✓		✓		✓		
-		-		-		-		-		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
-		-		-		-		-		
Auto		Auto		Auto		Auto		Auto		
Manual		Manual		Manual		Manual		Manual		
4 / 3		4 / 3		4 / 3		4 / 3		4 / 3		
✓		✓		✓		✓		-		
HD80		HD80		HD80		HD80		HD80		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		
✓		✓		✓		✓		✓		

* These systems must be installed by a qualified technician. All information at the time of print is correct and valid. Specifications and features are subject to change without notice.



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Samsung Air Conditioning Committed to After Sales and Warranty Support

Peace Of Mind

Rest assured that you are buying a quality air conditioner with Samsung's 5 year parts and labour warranty on products featured in this brochure when used for human comfort. Refer to the warranty card included with your product for full details.



Product Support Line

If you have any concerns about your product simply call 1300 362 603 and our friendly staff will assist with your enquiry and book a service call if required.



National Samsung Service Network

Our national network of Authorised Service Centres and Customer Service Plazas are on hand to support your product. Our specialist technicians will provide a fast and effective response.

MEPS Compliant

Air conditioners sold in Australia are required to meet Minimum Energy Performance Standards (MEPS) set by the Government.

These standards are based on the ratio of a system's energy input versus its capacity.



On the 1st of October 2011 the latest minimum efficiency levels came into effect. Samsung is proud to state that our latest inverter ducted, 4 way cassette and wall hung split systems are fully compliant with these MEPS levels.

Learn more about
Samsung Room Air Conditioning at
www.samsung.com.au

