

SAMSUNG

Samsung Smart Series™ Air Conditioners



SAMSUNG

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 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.

2011 Best Global Brand

1. Coca Cola
2. IBM
3. Microsoft
- *
- *

17. SAMSUNG Electronics 

18. Louis Vuitton
- *
20. Oracle
- *
33. Canon
- *
35. Sony

*Source: Best Global Brand 2011. Interbrand.



TRUSTED BRAND

Samsung Smart Series™ Air Conditioners

CONTROL YOUR COMFORT FROM VIRTUALLY ANYWHERE*

Samsung Smart Series™ Air Conditioners aims to change the way you control your comfort as the control is literally at your finger tips, virtually no matter where you are. The new range is Wi-Fi enabled*, allowing the user to control the air conditioning unit via their compatible Android™ or iOS Smartphone or Tab while they are in or out of the house.



REMOTE CONTROL

Smart Wifi*

At Home

When connected to your in house Wi-Fi network, your compatible Smartphone acts like another remote control. However line of sight is not always needed. For example, you could turn on your Air Conditioning unit from your compatible phone or Tab in the upstairs bedroom whilst you sit on the lounge watching TV so that your room is nice and cool before coming up to sleep.



PHONE



TABLET



Out of Home

Using your compatible phone or Tab you can now control your Air Conditioning unit from virtually anywhere outside of your home. When connected out of home, you will need to be on a 3G, 4G or Wi-Fi network.

Forgotten to turn your air conditioning unit off?

Samsung Smart Series™ allows you to turn it off virtually wherever you are.* Before you get home, check the current temperature in the room and turn your air conditioner on to your preferred temperature so it's to your comfort on arrival.

SAMSUNG SMART AIR CONDITIONER APP

EASY TO USE FEATURES



- Turn your ac unit on/off



- Check and adjust the temperature of the room



- Advanced On/Off Timer settings
- Program what time you want your unit to turn on/off
- Set day(s) of the week you would like this to occur



- Multiple AC units can be run from one App and device

*Wi-Fi enabled control requires access to a wireless network. Wi-Fi enabled control is compatible with selected Android and iOS smartphones and requires the Samsung Smart Air Conditioner app, downloaded from Google Play or iTunes. To use 'Out Of House' control, users must register the product at <https://eu.samsungsmartappliance.com>. Internet connection required to use 'Out Of House' control. Data charge may apply. Android is a trademark of Google Inc. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under licence.

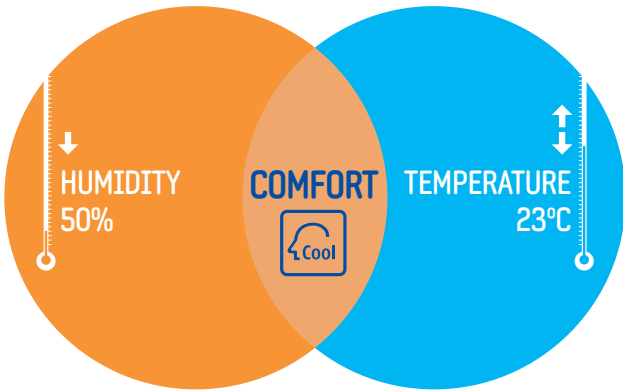
SAMSUNG SMART SERIES™

AIR CONDITIONER FEATURES



D’LIGHT COOL MODE

The comfort level in the room is not only a function of temperature. Humidity levels in a room can make you feel uncomfortable, even at the desired temperature. In D’Light Cool mode, the AC unit measures both temperature and humidity. In humid environments even at a cool temperature, humidity levels can be high, making the occupants feel uncomfortable. The D’Light Cool mode will make an assessment of both temperature and humidity and so even if the required temperature is reached, the unit will continue to dehumidify until a comfortable index level is reached.



	WITH "D’LIGHT COOL"	WITHOUT "D’LIGHT COOL"
UNIT MEASURES	Temperature Humidity	Temperature
UNIT CONTROLS	Temperature Reducing Humidity Fan Speed (high/mid/off)	Temperature
RESULTS	COMFORT	The right temperature



GOOD SLEEP II MODE

Automatically adjusts the temperature to create a comfortable temperature which may help you fall asleep, maintain a comfortable sleep environment and awake refreshed. Good Sleep operation in Cooling:

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



HD FILTRATION WITH IONISER

All Samsung Smart Series AC units are equipped with a Samsung HD Filter and Ioniser which aim to help reduce the dust levels in the air. The HD Filter has a narrow opening, limiting the amount of dust that can pass through the filter whilst the Ionizer produces negatively charged Ions which help attract the positively charged dust particles they come in contact with. Thus together, they may help the Samsung Smart Series AC unit to reduce dust levels in the air.



WATERFALL AIRFLOW

In heating mode, the unit has the ability to target the air directly down at a 90 degree angle. This is called the Waterfall Airflow and it helps heat to be distributed evenly in the room.



AUTO MODE

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



TURBO MODE

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



FAN MODE

Circulates air around the room without using cooling/heating functions.



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

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



AUTO-CLEAN INDOOR COIL

Runs the indoor fan for a set time after the air conditioning unit is switched off. This helps to dry off moisture within the indoor unit.



REAL TIME TIMER

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



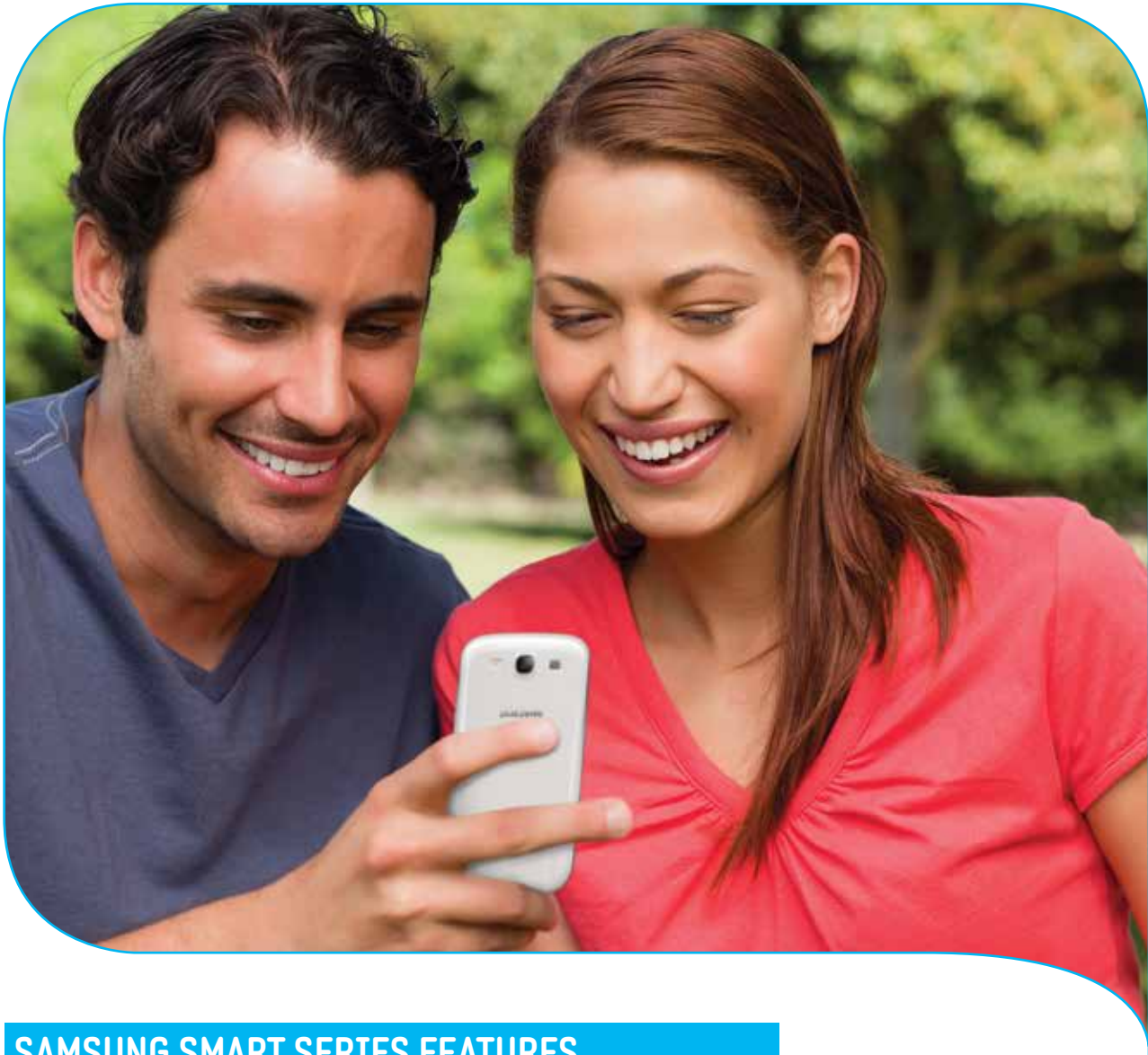
CORROSION RESISTANT FIN

Helps to protect the outdoor heat exchanger from corrosion to extend the life of your air conditioning unit.

SAMSUNG SMART SERIES™

MODEL SPECIFICATIONS*

		SAMSUNG SMART SERIES											
		BOM Code	F-AQV09TWS-01		F-AQV12TWS-01		F-AQV18TWS-01		F-AQV24TWD-01		F-AQV30TWD-01		
		Indoor Code	AQV09TWSNXSA		AQV12TWSNXSA		AQV18TWSNXSA		AQV24TWDNXSA		AQV30TWDNXSA		
		Outdoor Code	AQV09TWSXXSA		AQV12TWSXXSA		AQV18TWSXXSA		AQV24TWDXXSA		AQV30TWDNXSA		
PERFORMANCE													
Capacity	Cooling	kW	2.5		3.5		5.0		6.8		8.0		
		(min~max)	0.99	3.20	0.99	4.00	1.60	6.00	2.20	8.00	2.00	9.30	
	Heating	kW	3.2		4.0		6.0		8.0		9.0		
		(min~max)	0.99	5.20	0.99	6.00	1.20	8.00	1.90	10.00	2.20	12.0	
Energy Efficiency Rating	Cooling	AEER(W/W)	4.42		3.78		3.56		3.23		3.23		
	Heating	ACOP(W/W)	4.54		4.02		3.60		3.30		3.30		
Star Rating	Cooling	Stars	4.0		3.0		2.5		2.0		2.0		
	Heating	Stars	4.5		3.5		2.5		2.0		2.0		
Moisture Removal		Lit / hr.	1.7		1.7		2.5		3.0		4.5		
Air Circulation (Max)		Lit / Sec	215		225		230		300		330		
Sound Pressure Levels	Indoor High	dBA	37		38		40		42		47		
	Indoor Low	dBA	25		27		29		31		36		
	Indoor Quiet Mode	dBA	21		21		22		27		31		
	Outdoor High	dBA	45		47		53		53		55		
Sound Power Levels		Outdoor High	62		64		68		70		71		
ELECTRICAL DATA													
Power Source		V/Hz/Ph	220 ~ 240 / 50 / 1 (mains power to outdoor unit)										
Power Consumption	Cooling	W	560		920		1400		2100		2480		
	Heating	W	700		990		1660		2420		2720		
Operating Current	Cooling	Amps	2.6		4.2		6.4		9.7		11.4		
	Heating	Amps	3.2		4.5		7.6		11.1		12.4		
DIMENSIONS & WEIGHT													
Dimension (W x H x D)	Indoor	mm	890 x 285 x 190		890 x 285 x 190		1065 x 298 x 230		1065 x 298 x 230		1065 x 298 x 230		
	Outdoor	mm	790 x 548 x 285		790 x 548 x 285		880 x 638 x 310		880 x 798 x 310		880 x 931 x 320		
Weight	Indoor	kg	9.2		9.2		12.1		11.5		13		
	Outdoor	kg	32		32		42.2		53.5		71.5		
TECHNICAL INFORMATION													
Piping Size	Liquid	OD	6.35mm		6.35mm		6.35mm		6.35mm		6.35mm		
	Gas	OD	9.52mm		9.52mm		12.7mm		15.88mm		15.88mm		
Piping Length	Pre Charged	m	7.5		7.5		7.5		7.5		7.5		
	Min	m	3		3		3		3		3		
	Max	m	15		15		30		30		30		
Piping Height		Max	8		8		15		15		15		
Compressor Type			BLDC ROTARY					TWIN BLDC ROTARY					
Operating Range	Cooling	°C	-10~46										
	Heating	°C	-15~24										
Refrigerant Type			R410A										
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					



SAMSUNG SMART SERIES FEATURES

Operating Mode	Turbo Mode	Yes
	D'light Cool	Yes
	Good Sleep	Yes
	Smart Mode	Yes
	Dehumidification	Yes
	Auto Mode	Yes
	Fan Mode	Yes
	Quiet Mode	Yes
Airflow	Air Direction Control (Up/Down)	Auto
	Air Direction Control (Left/Right)	Manual
	Air Flow Speeds (Cool/Fan)	4 / 3
Air Purification	S-Plasma Ion	Yes
	Full HD Filter	HD80
	Auto Clean (Indoor Coil)	Yes
Convenience	Wi-Fi Enabled	Yes
	Remote Controller	Yes
	Real-Time Timer	Yes
	Auto Changeover	Yes
	Auto Restart	Yes
	DRED Enabled	Yes
Outdoor Unit	Anti-Corrosion Fin	Yes

* These systems must be installed by a qualified technician. Specifications and features are subject to change without notice.

ALL SAMSUNG
SMART
SERIES AIR
CONDITIONERS
COME STANDARD
WITH THESE
FEATURES.

Samsung is fully committed to after sales and warranty support



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 Samsung Smart Series™ Air Conditioners are fully compliant with these MEPS levels.

D.R.E.D. 
ENABLED



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.

*Excludes costs for labour and access equipment where Samsung-branded air conditioning unit is installed in an area which is not easily accessible. See warranty card or visit www.samsung.com/au/support for more information.

Samsung Smart Series™ Air Conditioners

WARRANTY AND SUPPORT