



Samsung Air Conditioners



More than a trusted Air Conditioning solution

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 are proud to say our Samsung brand is part of an intuitive and humanistic product design company, 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 *2013 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.

2013 Best Global Brand	
01	Apple
02	Google
03	Coca Cola
04	IBM
05	Microsoft
06	GE
07	McDonalds
08	Samsung
09	Intel
10	Toyota

*Source: Best Global Brand 2013. Interbrand.



PRINCIPAL PARTNER



Image used with permission from Sydney Opera House Trust.

Control your comfort from virtually anywhere*

Wi-Fi control is now available for Samsung Ducted Air Conditioners and 4-Way Cassette S Systems.

Samsung Wi-Fi enabled* Air Conditioners aim to change the way you can control your comfort as the control is literally at your finger tips, virtually no matter where you are. Samsung Wi-Fi enabled Air Conditioners allow the user to control the Air Conditioning unit via their compatible Android™ or iOS Smartphone or compatible Tab (sold separately) while they are in or out of the house.

* Wi-Fi enabled control requires a wireless router. Wi-Fi enabled control is compatible with selected Android™ and iOS Smartphones and requires the Smart Air Conditioner app, downloaded from Google Play or iTunes. To use 'Out Of House' control, users must register the product at <http://global.samsungsmartappliance.com>. Internet connection required. Data charges 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. iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.



Out of Home*

Using your compatible Smartphone or compatible Tab you can now control your Samsung 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 Wi-Fi control allows you to turn the Air Conditioning System 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.

At Home

When connected to your in house Wi-Fi network, your compatible Smart device 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 Smartphone or compatible Tab in the upstairs bedroom whilst you sit on the lounge watching TV so that your room is comfortable before going up to sleep.

Smartphone



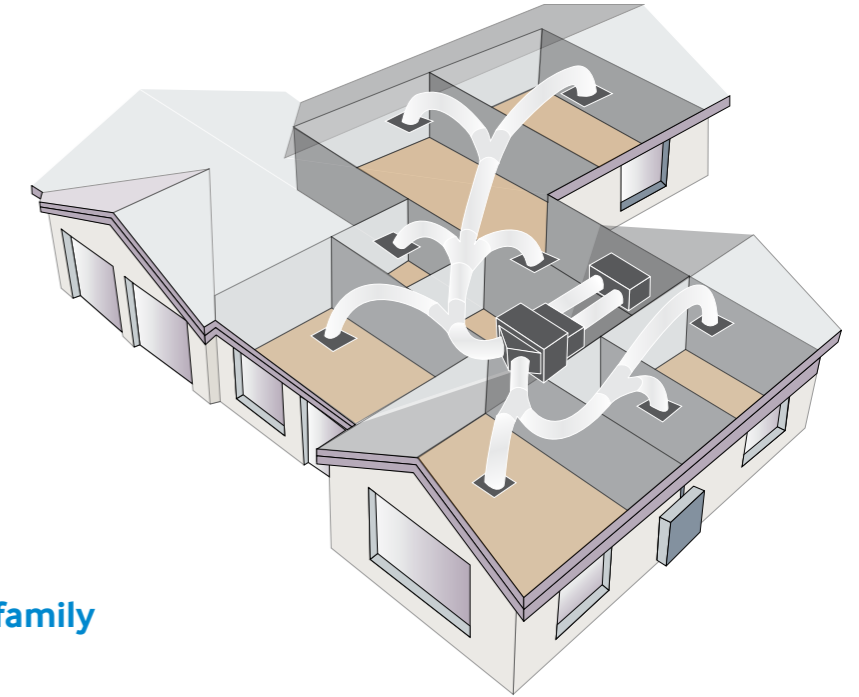
Tablet



Visit www.samsung.com.au/aircon for more information about Samsung Air Conditioners.

Samsung Smartphone and Tab sold separately.

Samsung Ducted Air Conditioning System



Working to keep you and your family comfortable all year round

A Samsung inverter reverse cycle Ducted Air Conditioner is designed to enable each room in your home to be cooled or heated by one system. Ducted Systems are also relatively unobtrusive as the conditioned air is distributed through ducts hidden in your roof space to outlets in the ceiling of each room.

The primary components of your Samsung Ducted System consist of the indoor unit, outdoor unit and controller.

Controller

A stylish and intuitive controller makes it easy to select desired temperature and fan speeds. Some controller models also include a number of features such as LCD backlighting and time scheduling.



MWR-Z10 featured

Outdoor Unit

The outdoor unit contains the Samsung Smart Inverter compressor which circulates refrigerant to the indoor unit and back again. The unit also contains a heat exchanging coil and a fan which blows air across the coil.



Indoor Unit

The indoor unit, hidden from view, also contains a heat exchanging coil that cools the air in your house in cooling mode and warms it in heating mode. A fan then blows the conditioned air through the ducts installed in your roof space to the outlets in the ceiling of each room.



Samsung Duct S

Duct S incorporates the latest in ducted air conditioning technology from Samsung.

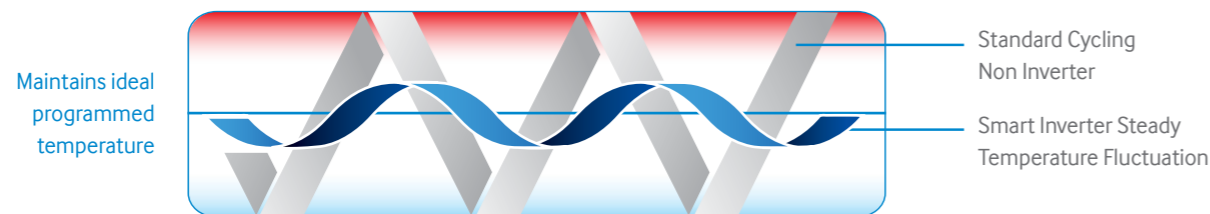


Features



Samsung Inverter Compressor

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



*Image shown for illustrative purposes only.



Comfortable and reliable

Samsung Ducted Air Conditioners are designed to keep on working, even on those extremely hot or cold days. With an operating range of -15°C to 50°C outside air temperature for cooling, and -20°C to 24°C for heating, you can be assured that your unit will work when you need it.

*Whilst the unit will keep running up to 50°C for cooling, as the outside temperature rises above 35°C, the cooling capacity will reduce. Similarly for heating, the capacity begins to reduce below 7°C.

-20°C to 50°C

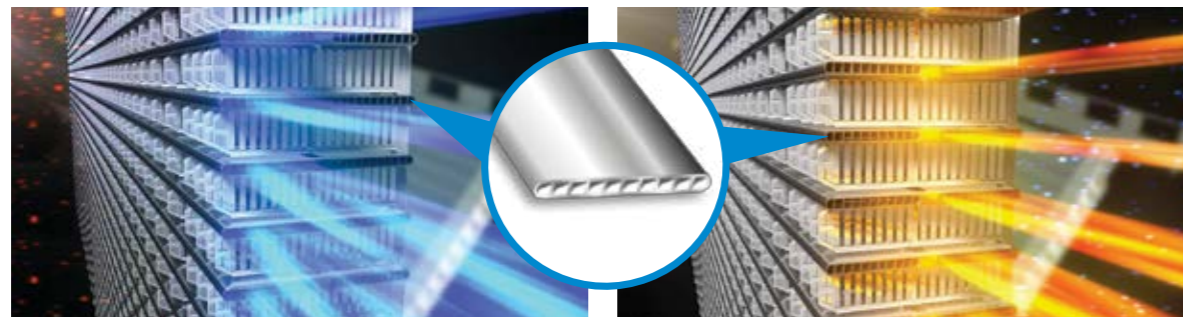
EER Performance

Samsung Duct S has achieved EER performance of up to 3.94 (5.2kW) and 3.89 (10kW)*.

* Please refer to the technical specifications page for the EER of each Duct S unit.

Flat Micro-Channel Technology

Duct S features flat micro-channel heat exchanger technology. Samsung engineers have used this technology to develop a low profile, light weight design with exceptional cooling & heating performance.



Flat Micro-Channel Heat Exchanger

Samsung Duct S Line Up

| 5.2kW | 7.1kW | 9.0kW | 10.0kW | 12.0kW | 14.0kW |

Other Features



Powerful Airflow

Duct S indoor units contain up to 3 fans* and are designed to handle duct lengths with static pressures of up to 200pa**; to provide powerful airflow in your home.

*3 fans for 9~14kW units, 2 fans for 5.2 & 7.1kW units.

**200pa for 10~14kW units, 150pa for 5.2~9kW units

Quiet Operation

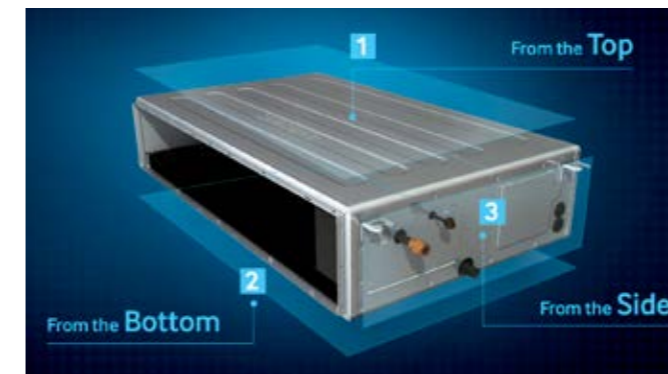
Duct S is designed to operate very quietly helping to maintain your comfort.

Low-Profile

Duct S indoor units are very slim: only 250mm high for 5~9kW units and 300mm for 10kW and above. This helps enable Duct S to be installed in narrow roof spaces.

Light-Weight Design

The weight of the Duct S indoor unit has been reduced compared to the previous Samsung ducted range: as light as 24kg for 5.2kW & 7.1kW models.



3 Way Service Access

3-Way Service Access

Duct S indoor units feature removable panels on three sides for ease of maintenance.

Control Options



8 zone touch screen controller

MWR-WE10

- 8-Zone Touch Screen Controller (optional)
- Wi-Fi* Control (optional)
- MWR-WE10 LCD Backlit Control (optional) – see page 21 for control features

*Applications must be downloaded from Google Play or iTunes. Internet connection required. Data subscription and other charges may apply.



WiFi control*

SAMSUNG DUCT S

Specifications - 1 Phase

Type				Duct S	Duct S	Duct S	Duct S	Duct S	Duct S	
Model Name	Indoor Unit			AC052HBHFKH/SA	AC071HBHFKH/SA	AC090HBHFKH/SA	AC100HBHFKH/SA	AC120HBHFKH/SA	AC140HBHFKH/SA	
	Outdoor Unit			AC052HCAFKH/SA	AC071HCAFKH/SA	AC090HCAFKH/SA	AC100HCAFKH/SA	AC120HCAFKH/SA	AC140HCAFKH/SA	
System	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
	Capacity	Cooling (Min / Std / Max)		kW	1.30 / 5.20 / 6.50	2.00 / 7.10 / 8.00	2.60 / 9.00 / 11.50	3.50 / 10.00 / 12.00	3.50 / 12.00 / 14.00	3.50 / 14.00 / 15.40
		Heating (Min / Std / Max)		kW	1.10 / 6.00 / 8.00	1.50 / 8.00 / 9.00	2.80 / 10.00 / 15.50	3.70 / 11.20 / 17.00	3.70 / 14.00 / 19.00	3.70 / 16.00 / 21.00
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	kW	0.35 / 1.32 / 2.1	0.47 / 2.01 / 3.00	0.70 / 2.60 / 4.50	0.90 / 2.57 / 3.90	0.90 / 3.50 / 4.0	0.95 / 4.12 / 5.40
			Heating (Min / Std / Max)	kW	0.26 / 1.49 / 2.80	0.36 / 2.01 / 3.50	0.65 / 2.50 / 5.50	0.81 / 2.56 / 6.90	0.85 / 3.33 / 7.2	0.85 / 3.98 / 7.50
		Current Input (Nominal)	Cooling (Min / Std / Max)	A	1.90 / 6.30 / 9.50	2.80 / 9.10 / 13.30	4.00 / 12.00 / 19.50	4.50 / 12.00 / 17.50	4.50 / 16.00 / 20.00	5.00 / 18.80 / 24.00
			Heating (Min / Std / Max)	A	1.50 / 7.30 / 12.30	2.20 / 9.10 / 15.50	3.40 / 11.50 / 21.80	4.00 / 11.80 / 31.20	4.30 / 15.20 / 31.40	4.50 / 18.40 / 31.60
		MCA	A			22.70 (MCA)	22.70 (MCA)	26.70 (MCA)	34.70 (MCA)	34.70 (MCA)
	MFA	A			25.00	25.00	30.00	40.00	40.00	40.00
	Energy Efficiency	EER (Nominal Cooling)		-	3.94	3.53	3.46	3.89	3.43	3.40
		COP (Nominal Heating)		-	4.03	3.98	4.00	4.38	4.20	4.02
		Energy Grade		-	AEER 3.86	AEER 3.45	AEER 3.38	AEER 3.82	AEER 3.38	AEER 3.31
	Piping Connections	Liquid Pipe		Φ, mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe		Φ, mm(inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Installation Limitation	Max. Length	m	30	50	50	75	75	75
Max. Height			m	20	30	30	30	30	30	
Field Wiring	Power Source Wire		Φ, mm	2.50	2.50	4.00	4.00	4.00	4.00	
	Transmission Cable		Φ, mm	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging		kg	1.40 (charged for 5m)	1.50 (charged for 5m)	2.60 (charged for 30m)	2.90 (charged for 30m)	2.90 (charged for 30m)	2.90 (charged for 30m)	
Indoor Unit	Power Supply			Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
	Fan	Air Flow Rate	Max/H/M/L	ℓ/s	366.67 / 266.67 / 225.00 / 183.33	500.00 / 366.67 / 316.67 / 266.67	633.33 / 533.33 / 450.00 / 366.67	816.67 / 533.33 / 450.00 / 366.67	1000.00 / 633.33 / 533.33 / 416.67	1000.00 / 700.00 / 566.67 / 416.67
		External Static Pressure	Min/Std/Max	Pa	30.00 / 40.00 / 150.00	30.00 / 40.00 / 150.00	30.00 / 50.00 / 150.00	30.00 / 50.00 / 200.00	30.00 / 60.00 / 200.00	30.00 / 60.00 / 200.00
	Drain	Drain Pipe		Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	High / Mid / Low	dB(A)	35.0	37.0	38.0	37.0	39.0	40.0
	External Dimension	Net Weight		kg	24.00	24.00	31.50	45.50	45.50	45.50
		Shipping Weight		kg	28.00	28.00	36.50	51.50	51.50	51.50
Net Dimensions (WxHxD)		mm	850 x 250 x 700	850 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700		
Shipping Dimensions (WxHxD)		mm	1,100 x 320 x 780	1,100 x 320 x 780	1,450 x 320 x 780	1,550 x 370 x 780	1,550 x 370 x 780	1,550 x 370 x 780		
Outdoor Unit	Power Supply			Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
	Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Fan	Air Flow Rate	Cooling	ℓ/s	883.33	900.00	1,050.00	1,600.00	1,916.67	1,916.67
	Sound	Sound Pressure	Cooling / Heating	dB(A)	48.0 / 50.0	49.0 / 51.0	49.0 / 52.0	49.0 / 51.0	50.0 / 51.0	51.0 / 52.0
	External Dimension	Net Weight		kg	54.00	55.00	70.00	98.00	98.00	98.00
		Shipping Weight		kg	58.00	59.00	74.00	108.00	108.00	108.00
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330
		Shipping Dimensions (WxHxD)		mm	1,023 x 891 x 413	1,023 x 891 x 413	995 x 1,096 x 426	995 x 1,597 x 426	995 x 1,597 x 426	995 x 1,597 x 426
	Operating Temp. Range	Cooling		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24		

*1) Nominal cooling capacities are based on:
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m
 *2) Nominal heating capacities are based on:
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m
 *3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Samsung Duct S units are enabled with Demand Response Enabled Device (D.R.E.D.) circuitry.

SAMSUNG DUCT S

Specifications - 3 Phase

Type				Duct S	Duct S	Duct S	
Model Name	Indoor Unit			AC100HBHFKH/SA	AC120HBHFKH/SA	AC140HBHFKH/SA	
	Outdoor Unit			AC100HCAFNH/SA	AC120HCAFNH/SA	AC140HCAFNH/SA	
System	Mode			-	Heat Pump	Heat Pump	Heat Pump
	Capacity	Cooling (Min / Std / Max)		kW	3.50 / 10.00 / 12.00	3.50 / 12.00 / 14.00	3.50 / 14.00 / 15.40
		Heating (Min / Std / Max)		kW	3.70 / 11.20 / 17.00	3.70 / 14.00 / 19.00	3.70 / 16.00 / 21.00
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	kW	0.90 / 2.57 / 3.90	0.90 / 3.50 / 4.50	0.95 / 4.12 / 5.40
			Heating (Min / Std / Max)	kW	0.81 / 2.56 / 6.90	0.85 / 3.33 / 7.20	0.85 / 3.98 / 7.5
		Current Input (Nominal)	Cooling (Min / Std / Max)	A	1.70 / 4.40 / 6.80	1.70 / 5.60 / 7.20	1.90 / 6.70 / 8.50
			Heating (Min / Std / Max)	A	1.50 / 4.30 / 10.40	1.50 / 5.40 / 11.20	1.70 / 6.60 / 11.20
		MCA		A	14.70 (MCA)	14.70 (MCA)	14.70 (MCA)
	MFA		A	16.20	16.20	16.20	
	Energy Efficiency	EER (Nominal Cooling)		-	3.89	3.43	3.40
		COP (Nominal Heating)		-	4.38	4.20	4.02
		Energy Grade		-	AEER 3.83	AEER 3.39	AEER 3.34
	Piping Connections	Liquid Pipe		Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe		Φ, mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Installation Limitation	Max. Length	m	75	75	75
			Max. Height	m	30	30	30
	Field Wiring	Power Source Wire		Φ, mm	2.50	2.50	2.5
		Transmission Cable		Φ, mm	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type		-	R410A	R410A	R410A	
	Factory Charging		kg	2.90 (charged for 30m)	2.90 (charged for 30m)	2.90 (charged for 30m)	
Indoor Unit	Power Supply		Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	
	Fan	Air Flow Rate	Max/H/M/L	ℓ/s	816.67/ 533.33 / 450.00 / 366.67	833.33/ 633.33 / 533.33 / 416.67	833.33 / 700.00 / 566.67 / 416.67
		External Static Pressure		Min/Std/Max	Pa	30.00 / 50.00 / 200.00	30.00 / 60.00 / 200.00
	Drain	Drain Pipe		Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	High / Mid / Low	dB(A)	37.0	39.0	40.0
	External Dimension	Net Weight		kg	45.50	45.50	45.50
		Shipping Weight		kg	51.50	51.50	51.50
		Net Dimensions (WxHxD)		mm	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700
Shipping Dimensions (WxHxD)		mm	1,550 x 370 x 780	1,550 x 370 x 780	1,550 x 370 x 780		
Outdoor Unit	Power Supply		Φ, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	
	Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Fan	Air Flow Rate	Cooling	ℓ/s	1,600.00	1,916.67	1,916.67
	Sound	Sound Pressure	Cooling / Heating	dB(A)	49.0 / 51.0	50.0 / 51.0	51.0 / 52.0
	External Dimension	Net Weight		kg	100.00	100.00	100.00
		Shipping Weight		kg	110.00	110.00	110.00
		Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,420 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,597 x 426	995 x 1,597 x 426	995 x 1,597 x 426
Operating Temp. Range	Cooling		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	
	Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	

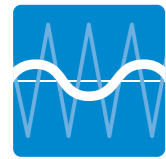
*1) Nominal cooling capacities are based on:
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m
 *2) Nominal heating capacities are based on:
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m
 *3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Samsung Duct S units are enabled with Demand Response Enabled Device (D.R.E.D.) circuitry.

Large Capacity Ducted



Features



Samsung Inverter Compressor

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

Maintains ideal programmed temperature



Standard Cycling Non Inverter
Smart Inverter Steady Temperature Fluctuation

*Image shown for illustrative purposes only.



Comfortable and reliable

Samsung Ducted Air Conditioners are designed to keep on working, even on those extremely hot or cold days. With an operating range of -15°C to 46°C outside air temperature for cooling, and -20°C to 24°C for heating, you can be assured that your unit will work when you need it.

*Whilst the unit will keep running up to 46°C for cooling, as the outside temperature rises above 35°C, the cooling capacity will reduce. Similarly for heating, the capacity begins to reduce below 7°C.

-20°C to 46°C

Powerful Airflow

The indoor units are designed to handle duct lengths with static pressures of up to 245pa (17.5kW) & 196pa (15.5kW); to provide powerful airflow in your home.

Quiet Operation

Samsung ducted units are designed to operate very quietly, to help maintain your comfort.

Control Options

- Wi-Fi* Control (optional)
- MWR-WE10 LCD Backlit Control (optional) – see page 21 for control features

*Applications must be downloaded from Google Play or iTunes. Internet connection required. Data subscription and other charges may apply.



MWR-WE10



WiFi control*

Specifications

Model Name	Indoor Unit		NS155HHXEG/XSA		NS180HHXEG/XSA		
	Outdoor Unit		RC155DHXEG/XSA		RC180DHXGG/XSA		
System	Mode		-	Heat Pump	Heat Pump		
	Capacity	Cooling (Min / Std / Max)		kW	3.5 / 15.5 / 17.0	3.8 / 17.5 / 20.0	
		Heating (Min / Std / Max)		kW	3.8 / 17.0 / 20.0	4.4 / 21.0 / 24.0	
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	kW	1.5 / 4.77 / 7.4	1.2 / 5.47 / 7.2	
			Heating (Min / Std / Max)	kW	1.2 / 4.72 / 8.0	1.2 / 6.0 / 8.0	
		Current Input (Nominal)	Cooling (Min / Std / Max)	A	7.0 / 21.5 / 32.0	2.6 / 9.1 / 11.3	
			Heating (Min / Std / Max)	A	6.5 / 21.0 / 34.0	2.6 / 9.9 / 12.0	
		MCA	A	36.6	14.9 (MCA)		
	MFA	A	40.3	16.4			
	Energy Efficiency	EER (Nominal Cooling)		-	3.25	3.20	
		COP (Nominal Heating)		-	3.60	3.50	
		Energy Grade		-	AEER 3.22	AEER 3.18	
	Piping Connections	Liquid Pipe		Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)	
		Gas Pipe		Φ, mm(inch)	19.05 (3/4)	19.05 (3/4)	
		Installation Limitation	Max. Length	m	75.0	75.0	
Max. Height			m	30	30		
Field Wiring	Indoor Power Cable		mm ² , #	0.75~1.5, 3wires	0.75~1.5, 3wires		
	Communication Cable		mm ² , #	0.75~1.5, 2wires	0.75~1.5, 2wires		
Refrigerant	Type		-	R410A	R410A		
	Factory Charging		kg	4.4 (Charged for 30m)	4.8 (Charged for 30m)		
Indoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50		
	Fan	Air Flow Rate	Max/H/M/L	ℓ/s	867 / 767 / 667	1,067 / 933 / 833	
		External Static Pressure	Min/Std/Max	Pa	49 / 60 / 196	49 / 60 / 245	
	Drain	Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
	Sound ²⁾	Sound Pressure	High / Mid / Low	dB(A)	51 / 46 / 41	52 / 46 / 44	
	External Dimension	Net Weight		kg	60.0	95.0	
		Shipping Weight		kg	69.5	105.0	
		Net Dimensions (WxHxD)		mm	1,200 x 360 x 650	1,240 x 470 x 1,040	
		Shipping Dimensions (WxHxD)		mm	1,447 x 425 x 769	1,507 x 558 x 1,155	
	Outdoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220~240, 50	3, 4, 380~415, 50	
Compressor		Type	-	Twin BLDC Rotary	Twin BLDC Rotary		
Fan		Air Flow Rate	Cooling / Heating	ℓ/s	1,683 / 1,683	2,150 / 2,150	
Sound		Sound Pressure	Cooling / Heating	dB(A)	53 / 55	55 / 57	
External Dimension		Net Weight		kg	99.0	102.0	
		Shipping Weight		kg	109.0	111.0	
		Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330	
		Shipping Dimensions (WxHxD)		mm	995 x 1,548 x 426	995 x 1,548 x 426	
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46			
	Heating	°C	-20 ~ 24	-20 ~ 24			

*Specifications may be subject to change without prior notice for product improvement.

*1) Nominal Capacity are based on (Equivalent refrigerant piping length : 5m, Level differences : 0m);
-Cooling : Indoor temperature : 27°DB, 19°WB / Outdoor temperature : 35°DB, 24°WB
-Heating : Indoor temperature : 20°DB, 15°WB / Outdoor temperature : 7°DB, 6°WB

*2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

*3) Specifications are subject to change without prior notice for product improvement.

D.R.E.D

Samsung large capacity ducted units are enabled with Demand Response Enabled Device (D.R.E.D) circuitry.

Stylish design and year round comfort



Samsung 4-Way Cassette S Range

There are two distinct solutions in the Samsung 4-Way Cassette S Range

Samsung 4-Way Cassette S is ideal for residential and light commercial applications with limited roof space. This product has a stylish design, an effective Smart Inverter compressor and a plethora of innovative features.

Samsung Mini 4-Way Cassette S is ideal for small spaces in residential and light commercial applications where roof space may be limited. They have a compact ceiling size which helps them blend into the ceiling in your home whilst still packing many features.



Cassette S Range Features



Stylish Panel Design

Both Samsung Cassette S models have a stylish waffle pattern design with a subtle fascia panel to complement the aesthetics of almost any interior space.

Mini 4-Way Cassette S specifically uses cleverly designed blades to close flush with the unit when not operating to help maintain a sleek and unobtrusive look.

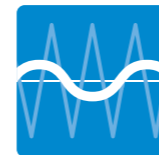


Wide Temperature Performance Range

The 4-Way Cassette S is designed with an operating range of -15°C to 50°C outside air temperature for cooling, and -20°C to 24°C for heating. You can be assured that your unit will work when you need it*.

	Outside Air Temp for Cooling	Outside Air Temp for Heating
4-Way Cassette S	-15°C to 50°C	-20°C to 24°C
Mini 4-Way Cassette S	-10°C to 46°C	-15°C to 24°C

*Whilst the unit will keep running up to 50°C for cooling, as the outside temperature rises above 35°C, the cooling capacity will reduce. Similarly for heating, the capacity begins to reduce below 7°C.

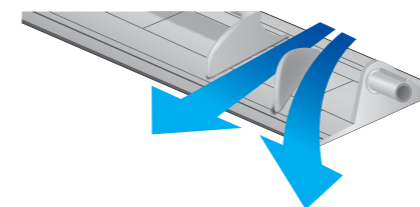


Smart Inverter Compressor

Samsung's Smart Inverter technology helps to maintain an ideal 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.

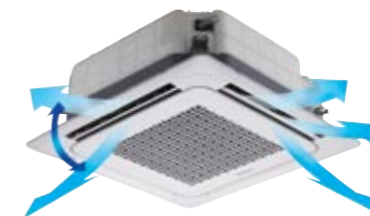
Uniform Airflow

The blades have angled sections to guide air 'around the corner'. This helps to limit the 'blind spot' effect of the corners helping to ensure uniform airflow.



Customisable Air Flow

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 individually set for optimum airflow in your home.



Easy To Clean

Airflow blades can be easily removed individually for cleaning so you don't need to remove the whole panel.



4-WAY CASSETTE S SYSTEM

Models and Specifications



Model Name	Indoor Unit		NS0714PXEA/XSA	NS1004PXEA/XSA	NS1254PXEA/XSA	NS1404PXEA/XSA		
System	Outdoor Unit		RC071PHXEA/XSA	RC100PHXEA/XSA	RC125PHXEA/XSA	RC140PHXEA/XSA		
Mode			-	Reverse Cycle	Reverse Cycle	Reverse Cycle		
Capacity	Capacity (Nominal)	Cooling (Min / Std / Max)	kW	2.2 / 7.1 / 8.0	3.5 / 10.0 / 12.0	3.5 / 12.5 / 14.0	4.4 / 14.0 / 15.5	
		Heating (Min / Std / Max)	kW	1.9 / 8.0 / 9.0	3.5 / 11.2 / 15.5	3.5 / 14.0 / 16.2	3.5 / 16.0 / 20.0	
Energy Efficiency	AEER (Annual Energy Efficiency Ratio)		-	3.49	3.99	3.39	3.30	
	ACOP (Annual Coefficient of Performance)		-	3.90	4.29	3.70	3.79	
Power	Power Input (Nominal)	Cooling (Min / Std / Max)	kW	0.35 / 2.03 / 4.00	0.8 / 2.5 / 3.8	0.8 / 3.68 / 4.8	1.05 / 4.24 / 5.4	
		Heating (Min / Std / Max)	kW	0.35 / 2.05 / 4.00	0.7 / 2.61 / 4.5	0.7 / 3.78 / 4.5	0.87 / 4.32 / 6.5	
	Current Input (Nominal)	Cooling (Min / Std / Max)	A	2.1 / 9.5 / 18.0	3.7 / 10.5 / 24.0	3.7 / 15.5 / 24.0	4.6 / 17.8 / 24.0	
		Heating (Min / Std / Max)	A	2.1 / 9.5 / 18.0	3.5 / 11.5 / 24.0	3.5 / 16.0 / 24.0	4.0 / 18.7 / 28.0	
Circuit Breaker (MCCB+ELB / ELCB)			A	25	30	30	40	
Piping Connections	Liquid Pipe		Φ, mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	
	Gas Pipe		Φ, mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
	Installation Limitation	Max. Length	m	50.0	75.0	75.0	75.0	
		Max. Height	m	30.0	30.0	30.0	30.0	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	
	Factory Charging		kg	1.8 (Charged for 5m)	3.4 (Charged for 30m)	3.4 (Charged for 30m)	3.8 (Charged for 30m)	
Indoor unit								
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Fan	Type		-	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	
	Air Flow Rate		High / Mid / Low	ℓ/s	(C) 383 / 350 / 292 (H) 367 / 300 / 267	500 / 400 / 300	500 / 400 / 317	533 / 433 / 350
Sound	Sound Pressure		High / Mid / Low	dB(A)	36 / 32 / 28	44 / 39 / 34	44 / 40 / 36	45 / 41.5 / 38
External Dimension	Net Weight			kg	17	21	21	21
	Shipping Weight			kg	22	26	26	26
	Net Dimensions (WxHxD)			mm	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (WxHxD)			mm	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898
Panel Size	Panel model			-	PC4NUSKA / PC4NUSKE	PC4NUSKA / PC4NUSKE	PC4NUSKA / PC4NUSKE	PC4NUSKA / PC4NUSKE
	Panel Net Weight			kg	5.9	5.9	5.9	5.9
	Shipping Weight			kg	8.4	8.4	8.4	8.4
	Net Dimensions (WxHxD)			mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD)			mm	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005
Accessories	Drain pump	Drain pump	-	Built-in	Built-in	Built-in	Built-in	
		Max. Lifting Height / Displacement	mm / ℓ/h	750 / 24	750 / 24	750 / 24	750 / 24	
	Air Filter			-	Long life filter	Long life filter	Long life filter	Long life filter
Outdoor unit								
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Compressor	Type			-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
Fan	Air Flow Rate		Cooling / Heating	ℓ/s	833 / 800	1,508 / 1,383	1,508 / 1,508	1,683 / 1,683
Sound	Sound Pressure		Cooling / Heating	dB(A)	49 / 51	49 / 51	51 / 52	51 / 53
	Net Weight			kg	55	88	88	98
External Dimension	Shipping Weight			kg	59	98	98	108
	Net Dimensions (WxHxD)			mm	880 x 798 x 310	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330
	Shipping Dimensions (WxHxD)			mm	1,023 x 889 x 416	995 x 1,338 x 426	995 x 1,338 x 426	995 x 1,548 x 426
Operating Temp. Range	Cooling			°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating			°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

*Specifications may be subject to change without prior notice for product improvement.

*1) Nominal cooling capacities are based on:
 - Indoor temperature: 27°C DB, 19°C WB
 - Outdoor temperature: 35°C DB, 24°C WB
 - Equivalent refrigerant piping: 5m, Level differences: 0m

*2) Nominal heating capacities are based on:
 - Indoor temperature: 20°C DB, 15°C WB
 - Outdoor temperature: 7°C DB, 6°C WB
 - Equivalent refrigerant piping: 5m, Level differences: 0m

*3) Sound pressure was acquired in a dead room.
 Thus actual noise level may be different depending on the installation conditions.

MINI 4-WAY CASSETTE S SYSTEM

Models and Specifications



Model Name System	Indoor Unit			ACN026NDEHH/SA	ACN035NDEHH/SA	ACN052NDEHH/SA	ACN060NDEHH/SA	
	Outdoor Unit			RC026DHXEH/XSA	RC035DHXEH/XSA	RC052DHXEH/XSA	RC060DHXEH/XSA	
Mode				-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Capacity (Nominal)	Cooling (Min / Std / Max)		kW	0.99 / 2.6 / 3.5	0.99 / 3.5 / 4.2	1.3 / 5.0 / 5.9	1.8 / 5.8 / 6.5
		Heating (Min / Std / Max)		kW	0.98 / 3.3 / 4.6	0.98 / 4.0 / 5.0	1.3 / 5.5 / 7.5	1.6 / 6.4 / 9.0
Power	Power Input (Nominal)	Cooling (Min / Std / Max)		kW	0.23 / 0.65 / 1.13	0.24 / 0.94 / 1.45	0.31 / 1.39 / 2.10	0.38 / 1.75 / 2.60
		Heating (Min / Std / Max)		kW	0.18 / 0.87 / 1.40	0.18 / 1.07 / 1.40	0.35 / 1.62 / 2.40	0.35 / 1.93 / 3.60
	Current Input (Nominal)	Cooling (Min / Std / Max)		A	1.6 / 3.07 / 5.5	1.6 / 4.4 / 6.8	2.6 / 6.5 / 9.5	1.9 / 7.8 / 11.5
		Heating (Min / Std / Max)		A	1.2 / 4.1 / 6.6	1.2 / 5.0 / 6.7	2.9 / 7.6 / 11.0	1.7 / 8.7 / 17.3
	MCA			A	11	15	24	24
	MFA			A	20	20	30	30
Energy Efficiency	AEER (Annual Energy Efficiency Ratio)			-	3.98	3.71	3.59	3.31
	ACOP (Annual Coefficient of Performance)			-	3.79	3.73	3.39	3.31
Piping Connections	Liquid Pipe			Φ, mm(inch)	6.35, 1/4"	6.35, 1/4"	6.35, 1/4"	6.35, 1/4"
	Gas Pipe			Φ, mm(inch)	9.35, 3/8"	12.7, 1/2"	15.88, 5/8"	15.88/5/8"
	Installation Limitation	Max. Length		m	20	30	50	50
		Max. Height		m	15	20	30	30
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	0.95	1.40	1.80	1.80
Indoor unit								
Power Supply				Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Fan	Type			-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate	High / Mid / Low		ℓ/s	163 / 137 / 115	182 / 150 / 122	207 / 178 / 150	213 / 185 / 157
Sound	Sound Pressure	High / Mid / Low		dB(A)	34 / 31 / 27	36 / 33 / 29	39 / 36 / 34	41 / 38 / 34
External Dimension	Net Weight			kg	11.0	11.7	12.0	12.0
	Shipping Weight			kg	13.0	13.7	14.0	14.0
	Net Dimensions (WxHxD)			mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)			mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel Size	Panel model			-	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB
	Panel Net Weight			kg	2.7	2.7	2.7	2.7
	Shipping Weight			kg	4.2	4.2	4.2	4.2
	Net Dimensions (WxHxD)			mm	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670
	Shipping Dimensions (WxHxD)			mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724
Accessories	Drain pump	Drain pump		-	Built-in	Built-in	Built-in	Built-in
		Max. Lifting Height / Displacement		mm / ℓ/h	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter			-	Default	Default	Default	Default
Outdoor unit								
Power Supply				Φ, #, V, Hz	1, 2 220~240, 50	1, 2 220~240, 50	1, 2 220~240, 50	1, 2, 220~240, 50
Compressor	Type			-	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Fan	Air Flow Rate	Cooling / Heating		ℓ/s	477	492	735	767
Sound	Sound Pressure	Cooling / Heating		dB(A)	46 / 47	47 / 48	49 / 50	50 / 51
External Dimension	Net Weight			kg	33	38.5	55.0	55.0
	Shipping Weight			kg	37	42.5	59.0	59.0
	Net Dimensions (WxHxD)			mm	790 x 548 x 285	790 x 548 x 285	880 x 798 x 310	880 x 798 x 310
	Shipping Dimensions (WxHxD)			mm	926 x 655 x 382	927 x 655 x 382	1,023 x 891 x 413	1,023 x 891 x 413
Operating Temp. Range	Cooling			°C	-10 ~ 46	-10 ~ 46	-15 ~ 46	-15 ~ 46
	Heating			°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-20 ~ 24

*Specifications may be subject to change without prior notice for product improvement.

*1) Nominal Capacities are based on (Equivalent refrigerant piping length: 7.5m, Level differences: 0m);
 - Cooling: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 24°C WB
 - Heating: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB

*2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

*3) Specifications are subject to change without prior notice for product improvement.

Intuitive Control














Easy to use and stylish in design

To accompany your Ducted Air Conditioning System or 4-Way Cassette System, is a choice of controllers. The MWR-WE10 is a LCD Backlit controller with a host of features. The MWR-WE10 is optional for Duct S and Cassette models.



MWR-WE10 Controller

MWR-WE10 Controller Features

- 
Clear And Bright LCD Backlit Screen
- 
Real-Time Clock Function
- 
Quick-Access On/Off And Temperature Selection Buttons
- 
Built-In Room Temperature Sensor
- 
Child Lock
- 
Button Permission Levels
- 
Weekly Operation Scheduler
 Enables you to set your system to run automatically at certain times of each day of the week.
- 
Filter Replacement Alert
- 
On/Off Timer
 Allows the system to be started or stopped after a set time has passed.
- 
Upper/Lower Temperature Limit Setting
 Helps prevent temperature changes outside a set range.
- 
Automatic Stop Function
 Can help set the unit to stop running after a set time has passed. This can help prevent the system being left on accidentally.



8-Zone Touch Screen Controller (optional, for use with Duct S only)

This stylish touch screen enables control of the functions of your Duct S system as well as the open/close operation of up to 8 zones in your home. This eliminates the need to have a separate zone controller or "light switch" type panel on your wall.

Model codes:

MWR-ZS00
Zone Module & Zone Controller package

MWR-ZS10
Zone Controller only

MRW-TS
Remote temperature sensor for use with zone controller



MR-DH00

Wireless IR Remote (optional, for use with 4-Way Cassettes)

A wireless IR remote controller, MR-DH00, is also available for use with 4-Way & Mini 4-Way cassettes.



WiFi Control (optional, Wi-Fi kit required)

Samsung Ducted & Cassette systems featured in this brochure can be controlled by a compatible Smart device* when combined with the optional WiFi kit. See next page for details.

*Wi-Fi enabled control requires a wireless router. Wi-Fi enabled control is compatible with selected Android™ and iOS Smartphones and requires the Smart Air Conditioner app, downloaded from Google Play or iTunes. To use "Out Of House" control, users must register the product at <http://global.samsungsmartappliance.com>. Internet connection required. Data charges 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. iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

Wi-Fi Control



Wi-Fi Control

Samsung Ducted Air Conditioning & 4-Way Cassette Systems featured in this brochure can be controlled via a compatible Smart device* when combined with the optional WiFi Kit.



Products are sold separately.

Smart Air Conditioner App

Features that control your comfort from virtually anywhere*.



Turn your Air Conditioning 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 or off
Set day(s) of the week you would like this to occur



Multiple Air Conditioning units can be run from one App on a compatible device

* Wi-Fi enabled control requires a wireless router. Wi-Fi enabled control is compatible with selected Android™ and iOS Smartphones and requires the Smart Air Conditioner app, downloaded from Google Play or iTunes. To use 'Out Of House' control, users must register the product at <http://global.samsungsmartappliance.com>. Internet connection required. Data charges 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. iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

Peace of Mind



Samsung Air Conditioning Committed to After Sales and Warranty Support



5 Year Warranty on Parts and Labour

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. Refer to the warranty card included with your product for full details*.



National Samsung Service Network

Our national network of Authorised Service Centres and Customer Service Plazas are on hand to support your product.



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.



MEPS Compliant

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

Samsung is proud to state that our inverter ducted, 4-Way Cassette S and Mini 4-Way Cassette S Systems are fully compliant with these MEPS levels.

* This is in addition to the rights of consumers under consumer guarantees pursuant to the Australian Consumer Law.



To learn more about
Samsung AIR CONDITIONERS
visit www.samsung.com.au/aircon

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