SAMSUNG

AERO Split Air Conditioning

Intelligently connect and monitor your energy usage

HOUSE

my house decoration

E & A

17.12.2009
Simple date
08.03.2015

Image for illustrative purposes.

10 Year Limited Warranty*

TRUSTED BRAND 2024
Reader's Digest
Highly Commended
Air Conditioner

In-built Wi-Fi†

*10 year limited warranty on Inverter Compressor is as follows, first five (5) years parts and labour, remaining five (5) years parts only. See warranty card or visit www.samsung.com/au/support/warranty/ for full details.
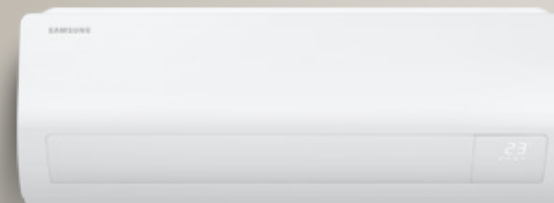
SAMSUNG

Customer Support
For any product or service related queries for Airise Air conditioners please call
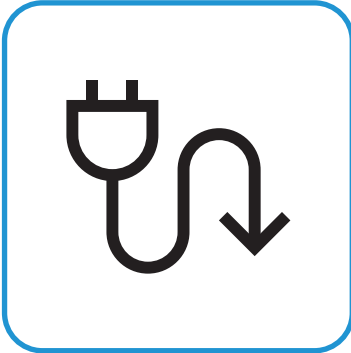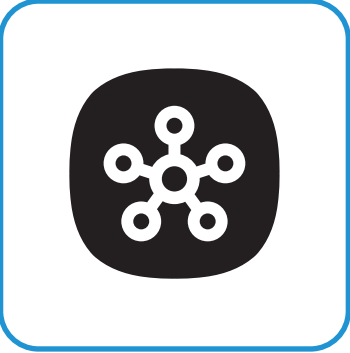**Samsung Customer Support on 1300 362 603 / 8am – 8pm, 7 days**

Features

AI Energy Mode

AI Energy mode[1] can help save energy[2] by utilising an advanced algorithm to control the inverter at a pre-set temperature threshold[3].
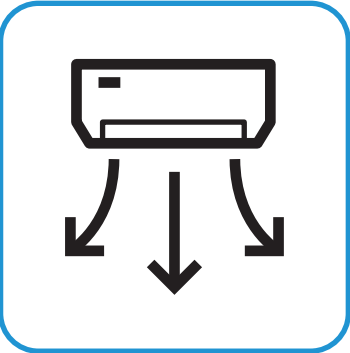
SmartThings Home Care

Take care of the air conditioner easily. SmartThings Home Care[4] lets you check its status on a smartphone and proactively address any maintenance needs without a service expert. It self-diagnoses and displays information about any issues with major components and the status of the pre f lter.

Fast Cooling and Heating

Cool rooms quickly from corner to corner, so you're always comfortable. Also, heat rooms rapidly, so you are always comfortable in the cooler months.

Energy Monitoring

Monitor your energy usage while staying comfortably cool. Smart Things lets you check the power use and allows you to estimate your electricity bill[8]. Control your home air conditioner from anywhere, at anytime using the Samsung SmartThings App[9]. You can control and monitor the air conditioner remotely with just a touch.

In-built Wi-Fi with SmartThings

Control your home air conditioner from anywhere, at anytime using the Samsung SmartThings App. You can control and monitor the air conditioner remotely with just a touch[9].

AI Auto Cooling

AI Auto Cooling[10] is designed to automatically optimise the various modes by analysing room conditions and usage patterns[11]. Based on your preferred temperature, it can automatically switch to the most appropriate mode to maintain desirable conditions[12].

3-Step Auto Clean

Keep the inside of your air conditioner hygienic by doing nothing! After it has been working, the Auto Clean function automatically dries the Heat Exchanger using a 3-step process. It removes moisture by blowing air for between 10 to 30 minutes[13].

Specifications

Model Name		Indoor Unit	AR09DXFZCWKNSA	AR12DXFZCWKNSA	AR18DXFZCWKNSA	AR24DXFZCWKNSA	AR30DXFZCWKNSA
		Outdoor Unit	AR09DXFZCWKXSA	AR12DXFZCWKXSA	AR18DXFZCWKXSA	AR24DXFZCWKXSA	AR30DXFZCWKXSA
Capacity		Cooling (Min/Std/Max) (kW)	0.96/2.5/3.35	0.99/3.5/4	1.6/5.0/6.7	1.4/6.8/7.6	2.5/8.0/9.3
		Heating (Min/Std/Max) (kW)	0.72/3.2/5	0.74/4.0/5.5	1.3/6.0/8	1.2/7.2/9.4	2.4/9.0/13
Refrigerant		Type	R32	R32	R32	R32	R32
		Factory Charging (Kg)	0.95	0.95	1.15	1.15	2.00
Energy Efficiency		EER (W/W)	4.39	3.80	3.60	3.30	3.27
		COP (W/W)	4.32	3.81	3.53	3.27	3.27
		AEER (W/W)	4.36	3.76	3.76	3.35	3.27
		ACOP (W/W)	4.3	3.76	3.65	3.3	3.34
		Star rating (Cooling – Hot/Average/Cold)	4.5/4.5/4.5	4.0/4.0/4.0	3.5/3.5/3.5	3.0/3.0/3.0	3.0/3.0/3.0
		Star rating (Cooling – Hot/Average/Cold)	3.5/3.0/2.5	3.5/2.5/2.0	3.0/2.0/1.5	3.0/2.0/1.5	3.0/2.0/1.5
Power		Power Supply (Ø, V, Hz)	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
	Power Input (Min/Std/Max)	Cooling (kW)	0.16/0.57/0.75	0.17/0.92/1.05	0.32/1.39/2.18	0.3/2.06/2.6	0.49/2.45/3.15
		Heating (kW)	0.14/0.74/1.4	0.14/1.05/1.56	0.27/1.7/2.5	0.27/2.2/3.3	0.44/2.75/4
	Current Input (Min/Std/Max)	Cooling (A)	1.2/3.4/3.8	1.3/4.5/5	2/6.4/10	2/9.7/11.5	2.5/11.1/14
		Heating (A)	1/3.7/6.1	1/5.1/6.8	1.7/7.8/11.5	1.7/9.8/14.5	2.3/12.5/17.5
Indoor Unit	Air Flow Rate (l/s)	Cooling (T/H/M/L)	165/155/147/128	183/173/155/137	275/263/240/217	287/263/240/217	340/295/252/195
		Heating (T/H/M/L)	192/183/173/155	210/200/183/165	275/263/240/217	298/275/252/228	362/328/273/218
		Sound Pressure Level (H/Silent)	38/17 dB(A)	40/17 dB(A)	41/25 dB(A)	45/26 dB(A)	47/30 dB(A)
		Net Weight (Kg)	9.8	9.8	11.5	11.6	12.4
		Shipping Weight (Kg)	11.2	11.2	13.2	13.2	14.0
		Net Dimensions (WxHxD)	889mm x 299mm x 215mm	889mm x 299mm x 215mm	1,055mm x 299mm x 215mm	1,055mm x 299mm x 215mm	1,055mm x 299mm x 215mm
		Shipping Dimensions (WxHxD)	950mm x 290mm x 375mm	950mm x 290mm x 375mm	1,115mm x 290mm x 375mm	1,115mm x 290mm x 375mm	1,115mm x 290mm x 375mm
Outdoor Unit		Compressor Type	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Sound Pressure Level (Cooling)	45 dB(A)	46 dB(A)	51 dB(A)	54 dB(A)	57 dB(A)
		Net Weight (Kg)	29.8	29.8	38.9	43.2	67.8
		Shipping Weight (Kg)	31.9	31.9	42.0	46.2	72.0
		Net Dimensions (WxHxD)	790mm x 548mm x 285mm	790mm x 548mm x 285mm	880mm x 638mm x 310mm	880mm x 638mm x 310mm	940mm x 998mm x 330mm
		Shipping Dimensions (WxHxD)	913 x 622 x 371	913mm x 622mm x 371mm	1,023mm x 724mm x 413mm	1,023mm x 724mm x 413mm	995mm x 1,096mm x 426mm
Installation		Liquid Pipe, Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe, Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
		Max Piping Length (Precharged), (m)	15 (15)	15 (15)	30 (15)	30 (15)	30 (15)
		Max Piping Heigh (m)	8	8	15	15	15
		Drain Pipe (Φ, mm)	16.3, 550	16.3, 550	16.3, 550	16.3, 550	16.3, 550
Additional Accessories		Easy Filter Plus	Removable/Washable	Removable/Washable	Removable/Washable	Removable/Washable	Removable/Washable
		Wi-Fi	•	•	•	•	•
Control System		Infrared remote control	Included	Included	Included	Included	Included
Operating Temperature Range		Cooling (°C)	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
		Heating (°C)	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24