



RESIDENTIAL AIR CONDITIONER



DC INVERTER



Air supply technology



Easy installation

COMFORTABLE AIR SUPPLY!

Axion AirConditioners come complete with features designed to ensure maximum comfort in the home or office. Your cooling or heating needs are only a touch of a button away!



STANDARD

QUICK COLD	LARGE AIR VOLUME	30S FAST COOLING	WIDE VOLTAGE START	0.5°C PRECISE TEMPERATURE CONTROL	SLEEP	15M LONG-DISTANCE AIR FLOW	HYDROPHILIC ALUMINIUM FIN
POWER OUTAGES MEMORY	SELF DIAGNOSIS	ANTI-RUST CABINET	EASY TO INSTALL HANGING BOARD	ANTI-RESTART	7 GRADE INTELLIGENT ADJUSTMENT	5VA SECURITY CONTROLLER BOX	FIRE PROOF ELECTRIC BOX
FLUORIDE LEAKAGE PROTECTION	GOLDEN FAN	LOW VOLTAGE LIMIT	LOW COOLING CAPACITY LOSS	SUPER EMC PERFORMANCE	SELF-CLEANING	ANTI-MOSQUITO FILTER	DISPLAY ON/OFF
TIMER	FULL DC FREQUENCY CONVERSION	ECO ENERGY SAVING	EASY INSTALL PCB	ERROR CODE DISPLAY	LEVEL INDICATOR INDOOR BRACKET	4D AIR FLOW	

OPTIONAL

WIFI2.0	CONTROLLER

5TH GENERATION NEW INTELLIGENT AI VECTOR

Elaborately created by the Japanese R&D Center with an investment of RM 80 million during 6 years.



Energy saving, efficiency **↑15%**

High-efficiency multistage motor

Integrated innovative structure

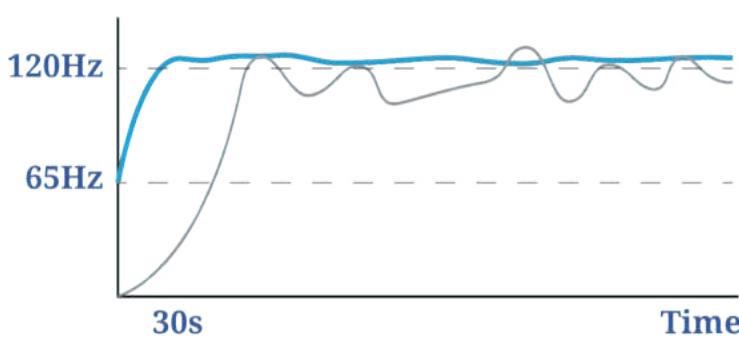
High reliability, service life up to **10 years**

Technology of oil-control circulation

Noise reduce by **13dB**

Application of aero acoustics damping materials.

New intelligent AI vector control algorithm developed by AXION. Equipped with 40µm precise intelligent chip, featuring **250 DMIPS** performance



With APM algorithm Without APM algorithm



SAVE ENERGY

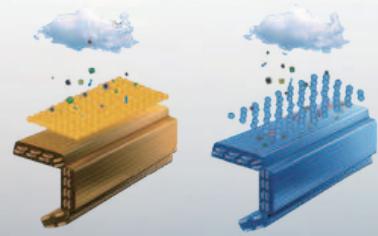
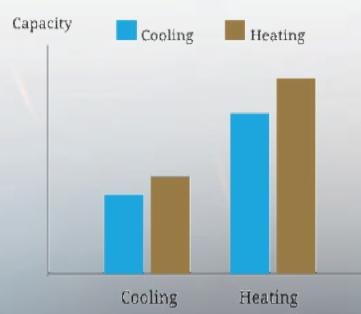
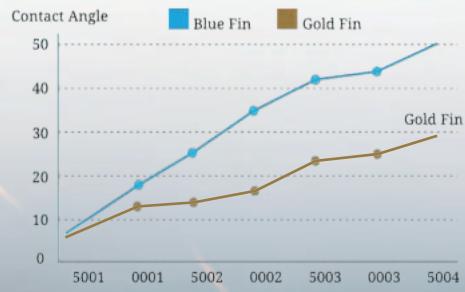
Strong cooling capacity, low magnetism + PFC PAM intelligent algorithm control. Compressor running at ultra high frequency of 120Hz for high cooling output capacity. Fast cooling with high frequency (65Hz) start up enable fast cooling comfort.

5TH GENERATION NEW INTELLIGENT AI VECTOR

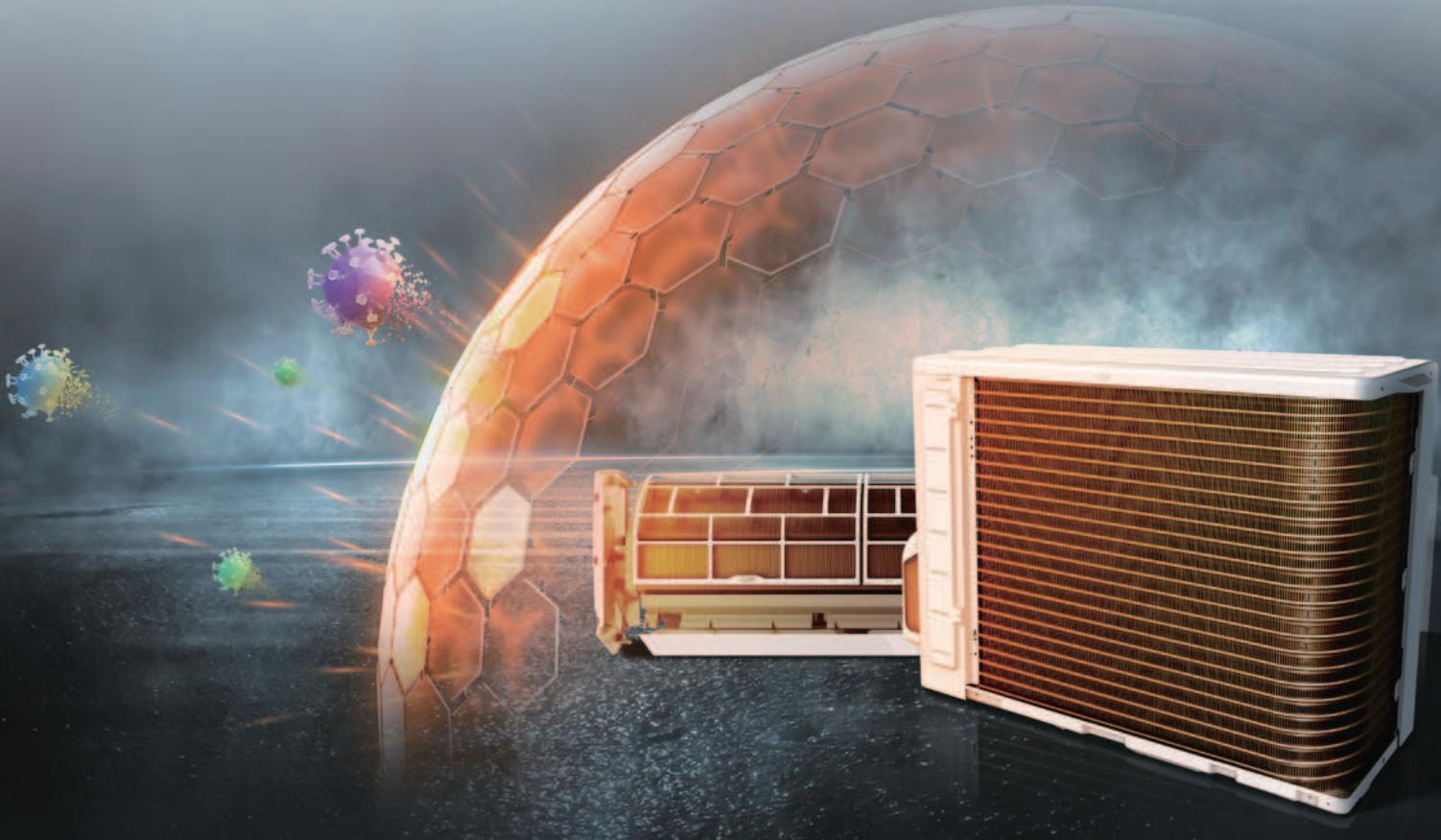


GOLD FIN

Gold fin is more resistant to oxidation and corrosion than blue fins for most condensers.



The unique anticorrosive golden coating on the heat exchangers can withstand the salty air, rain and other corrosive elements.

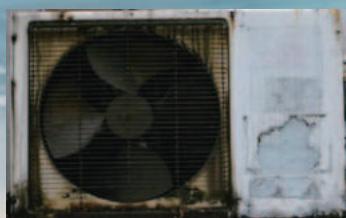


ACCOMPANY WITH YOU LIKE THE SEA BREEZE WITHOUT ANY TRACE

The outdoor unit's heat exchanger fins are processed applied a special anti-corrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fin's resistance to salt corrosion.



VS



5VA SECURITY CONTROLLER

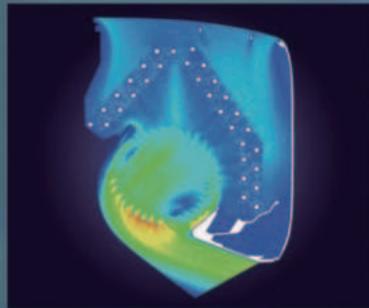
The highest level of fire-proof materials are adopted to protect the internal electronic control.

ULTRA-SILENCE FOR BETTER SLEEPING

Outstanding software and hardware leave you with no noise.

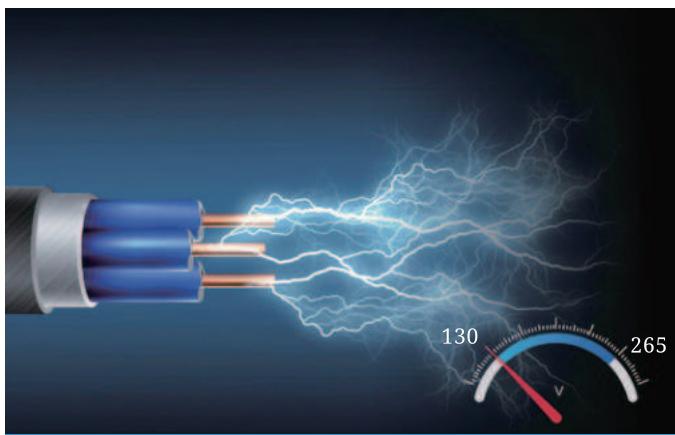


Unique torque compensation algorithm with vibration decreased.



Optimal design of air duct for fluid dynamics simulation.

Sleep patterns



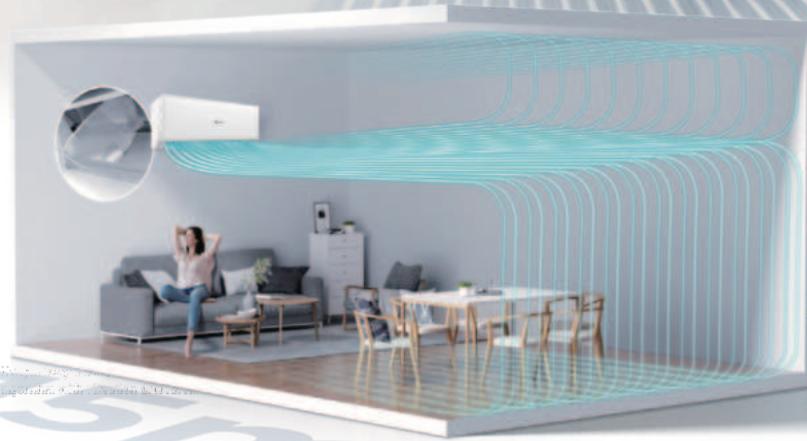
Easy response to unstable voltage



Non-inductive 0.5°C precise

4D AIR FLOW

Helps to improve air distribution, vertical and horizontal air flow.



AERODYNAMIC MICRO-ARC

Coolness reaching every corner of the room as far as 15 meters.

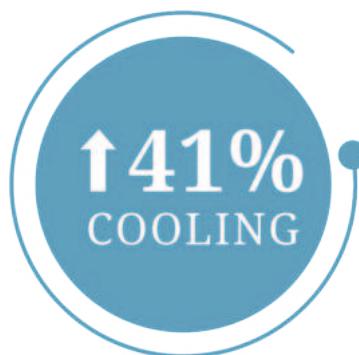


8°C heating mode

Maintaining a constant temperature of +8°C in heating mode, which prevents the room from cooling down and provides suitable conditions for pets and plants.

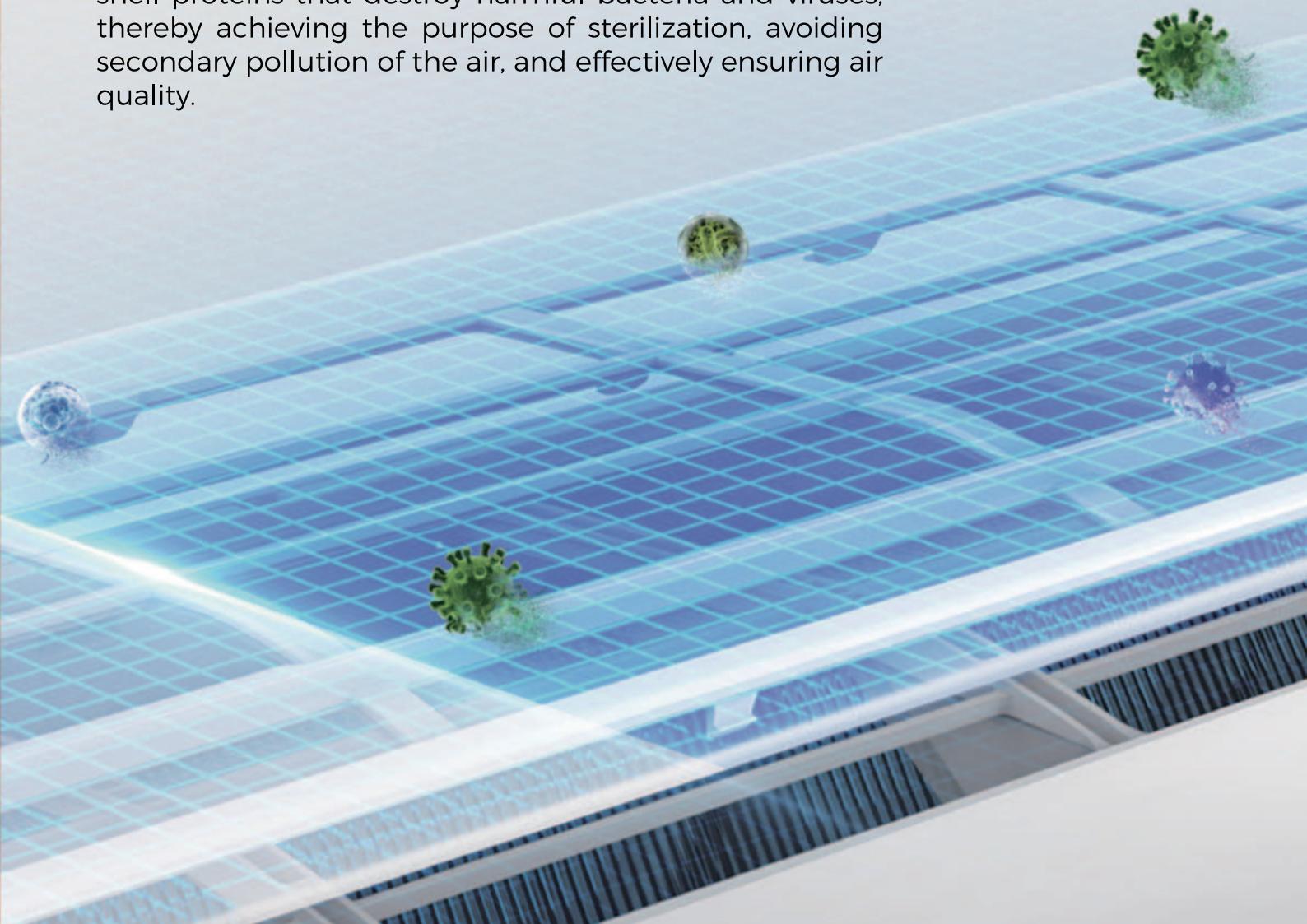
NEW ENVIRONMENTAL PROTECTION CONCEPT FOR A BETTER FUTURE

Environmental friendly refrigerant R410A with better performance and is more environmentally friendly. Refrigerating capacity of R410A is higher than that of R22 under the same frequency. Lower GWP value.

Axion

HEPA FILTER

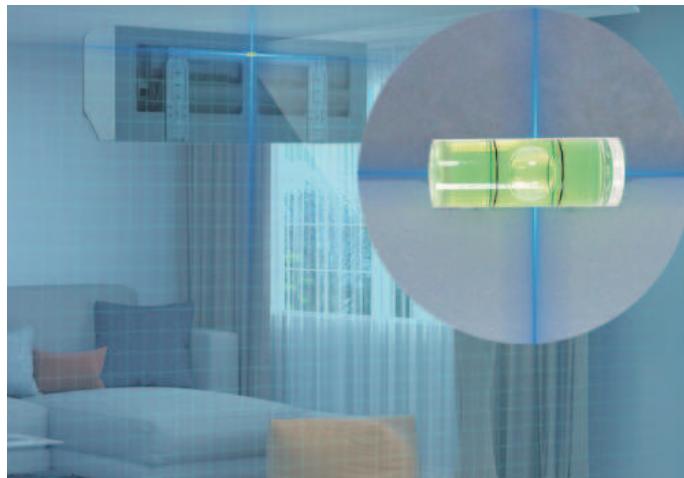
This filter uses a new type of lysozyme material, which is sprayed on the surface of the filter material. When the air passes through the filter, it can effectively dissolve the shell proteins that destroy harmful bacteria and viruses, thereby achieving the purpose of sterilization, avoiding secondary pollution of the air, and effectively ensuring air quality.



Indicator to replace Filter

Start function: Press the U/D swing 6 times
Turn off function : Press the U/D swing 4 times

EASILY TO INSTALLATION AND MAINTENANCE



Liquid level for precision installation



Slot in PCB design easy replacement

Detached lowerjaw for servicing

Modular design of core components, with the maintenance efficiency.

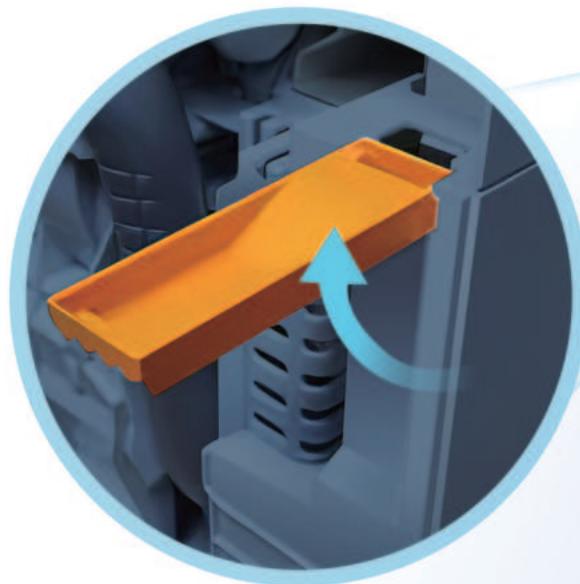


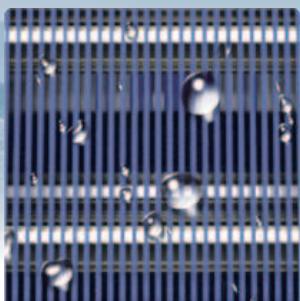
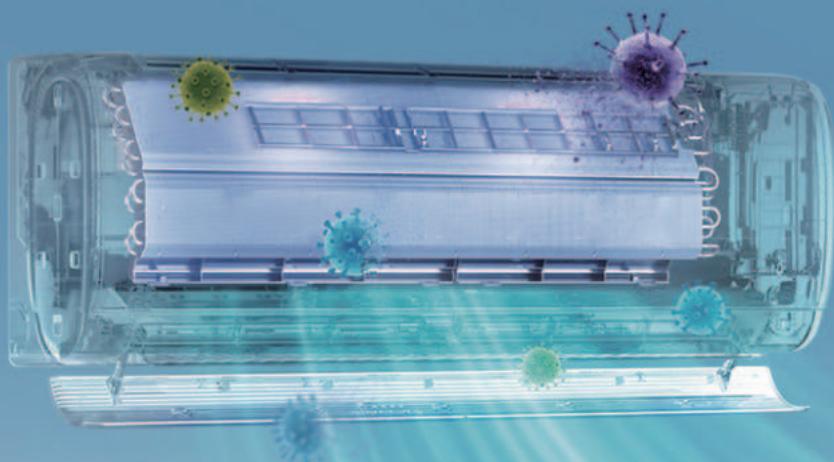
Plate Support

Plate support for large operation space. The installation efficiency is greatly improved.

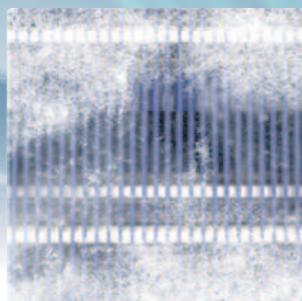


4-STEP AUTOMATIC SELF CLEAN

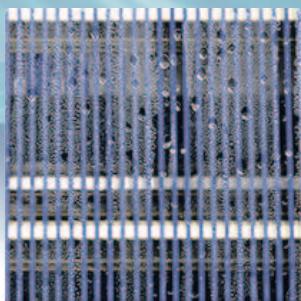
Keep the air fresh and enjoy healthy life.



Indoor unit condensation



Frosting



Defrosting



Auto air drying



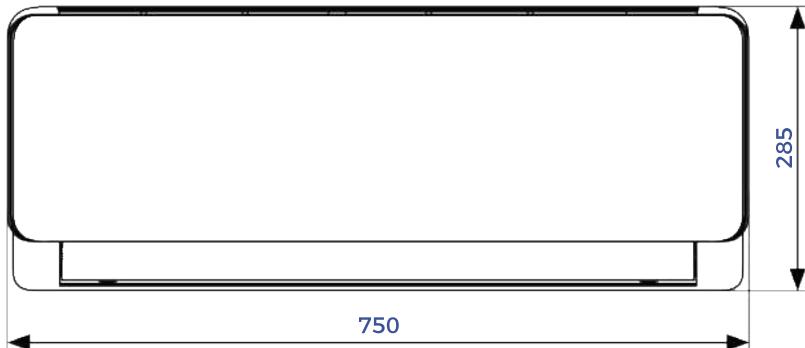
The water outlet is on the right side



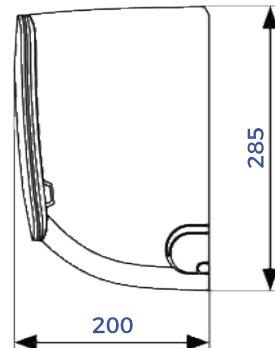
The water outlet is on the left side

Dimensions

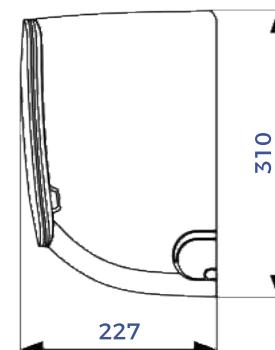
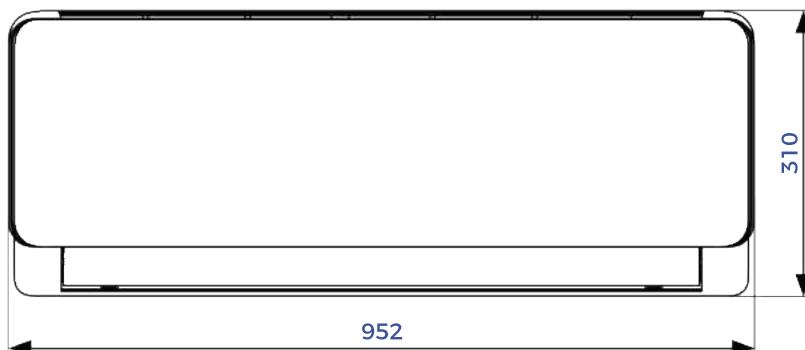
INV-09KFB-R1



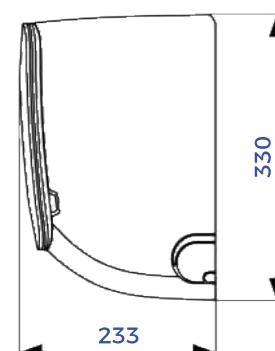
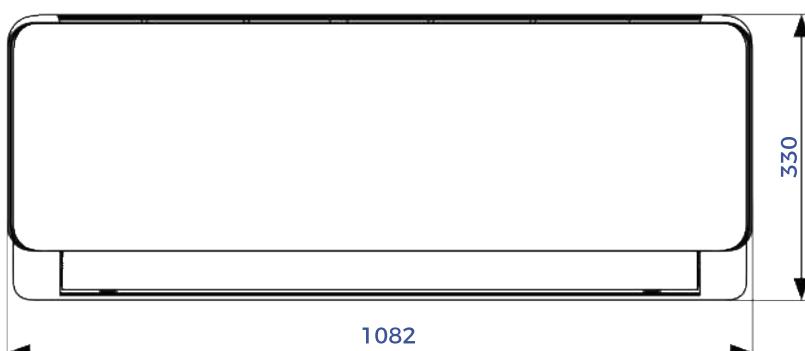
INV-12KFB-R1



INV-18KFB-R1



INV-24KFB-R1



Dimensions



Model			INV-09KFB-R1	INV-12KFB-R1	INV-18KFB-R1	INV-24KFB-R1
Nameplate Parameter	Rated Capacity	Cooling	W	2.7(0.4-3.4)	3.5(0.4-4.1)	5.3(1.3-5.5)
		Heating	W	3.1(0.4-3.6)	3.8(0.4-4.1)	5.4(1.3-5.6)
	Rated Power Consumption	Cooling	W	0.85(0.3-1.5)	1.36(0.3-1.5)	1.95(0.29-2.1)
		Heating	W	0.81(0.3-0.15)	1.07(0.3-1.5)	1.6(0.25-1.8)
	Rated Running Current	Cooling	A	5.1(1.3-6.3)	6.3(1.3-6.3)	8.6(1.3-9.3)
		Heating	A	4.7(1.3-4.8)	4.7(1.3-4.8)	7.1(1.1-8.0)
	Max. Input Power	W	1500	1500	2400	3400
	Max. Input Current	A	8,5	8,5	12	16
	EER Cooling	W/W	SEER 7.1	SEER 6.4	SEER6.4	2.55
	COP Heating	W/W	SCOP 4.1	SCOP 4.1	SCOP4.0	3.13
	Power supply source	V/Ph/Hz	220-240V~1-50Hz	220-240V~1-50Hz	220-240V~50Hz	220-240V~50Hz
	Refrigerant	/	R410A	R410A	R410A	R410A
	v	g	690	690	880	1500
	Max. Discharge Pressure	Mpa	4.15	4.15	4.15	4.15
	Max. Suction Pressure	Mpa	1.15	1.15	1.15	1.15
	Air Flow Volume	m ³ /h	600	600	950	1300
	Noise level	dB (A)	52	52	58	63
	Noise level	dB (A)	61	61	62	64
	Indoor unit weight (Net)	Kg	7	7	10.5	13
	Outdoor unit weight (Net)	Kg	21	21	26.5	37
Indoor Unit	Rows	Row	2	2	2	2
	Fan motor	Model	Pcs	D-310-13-8N	D-310-13-8N	D-310-30-10A 310V/ AL
	Net Dimension (WidthxDepthxHeight)	mm	750×285×200	750×285×200	952×310×227	1082*330*233
Outdoor unit configuration	Packing Dimension (WidthxDepthxHeight)	mm	805×332×252	805×332×252	1020×375×305	1155*397*312
	Compressor Model	/	KSN89D28UE4A31	KSN89D28UE4A31	KSN140D36UFZM31	KTN150D43UFZC31
	Brand	/	GMCC	GMCC	GMCC	GMCC
	Fan motor	Model	/	D-35-10M 310V/ AL	D-35-10M 310V/ AL	D-40-10L 310V/ AL
	Condenser Rows	Row	1	1	2	1
	Net Dimension (WidthxDepthxHeight)	mm	705×530×279	1.3PA-705×530×279	785*300*555	900*700*350
Energy class	Packing Dimension (WidthxDepthxHeight)	mm	825*345*595	825*345*595	903*382*615	1020*770*430
			A+	A+	A+	B