

# FUJINAIR

## SERIES

### FUNCTIONS

**Triple Filter Tech:** Combines multiple filtration systems to enhance air purity, capturing dust, pollen, and other airborne particles.

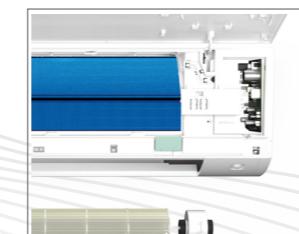
**Auto Mode:** Automatically adjusts cooling or heating settings based on current room conditions, ensuring consistent comfort with minimal effort.

**Anti-Corrosion:** Special coating protects the unit from rust and corrosion, extending its durability and reducing maintenance needs.

**Wide Voltage Operation:** Maintains stable operation even with fluctuating voltage, ensuring reliable performance and protecting the unit.

**Sleep Mode:** Enhances nighttime comfort by adjusting temperature and airflow to promote better sleep.

**3D Airflow:** Synchronizes horizontal and vertical deflectors to evenly distribute air throughout the room, enhancing comfort and efficiency.



### HIGHLIGHTS

**Enhanced Airflow:** Strong airflow system ensures uniform cooling and heating, eliminating hot or cold spots and enhancing overall comfort.

**Durable Build:** Constructed with anti-corrosive materials, these units are built to last, reducing maintenance costs and extending the lifespan of the AC unit.

**Smart Operation:** Features like Auto Mode and integrated structure simplify operation by automatically adjusting settings based on ambient conditions.

**Eco-Friendly:** Utilizes energy-efficient components and refrigerants, minimizing its ecological footprint while maximizing performance.

**Comprehensive Filtration:** Triple filter technology removes more impurities from the air, enhancing indoor air quality.

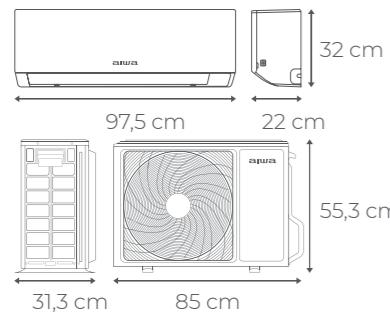
**3D Airflow:** Delivers air vertically and horizontally, ensuring even distribution throughout the room for comprehensive cooling and heating coverage.



# FUJINAIR

## FUJINAIR 24

AIR CONDITIONING ACD-24100



Cooling Energy Efficiency (SEER/EER) 6.70/3.10

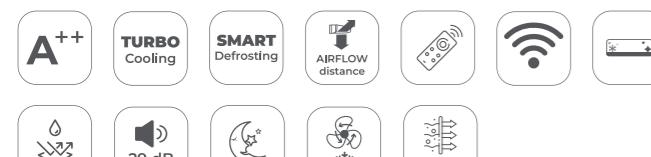
Cooling Energy Class A++

Heating Energy Efficiency (SCOP/COP Mild) 4.00/3.61

Heating Energy Class (Mild/Warm/Cold) A+/A++/-

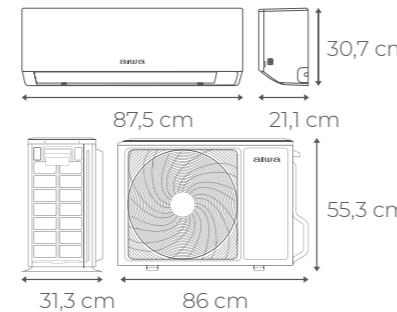
Indoor Cooling / Heating Sound Power Level (Hi) 64 db

Perfect for large spaces up to 42 square meters. Best for expansive living rooms or large offices, providing comprehensive air distribution and maintaining a comfortable environment.



## FUJINAIR 18

AIR CONDITIONING ACD-18100



Cooling Energy Efficiency (SEER/EER) 6.30/2.81

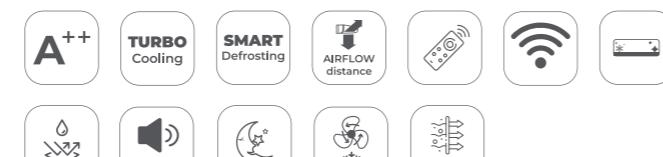
Cooling Energy Class A++

Heating Energy Efficiency (SCOP/COP Mild) 4.00/3.60

Heating Energy Class (Mild/Warm/Cold) A+/A++/-

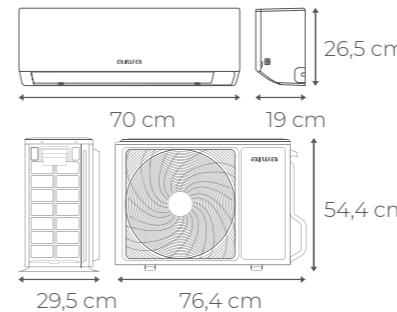
Indoor Cooling / Heating Sound Power Level (Hi) 60 db

Ideal for larger rooms up to 33 square meters. Great for open-plan living areas or large offices, the 3D Airflow feature ensures that air reaches every part of the room.



## FUJINAIR 12

AIR CONDITIONING ACD-12100



Cooling Energy Efficiency (SEER/EER) 6.10/2.81

Cooling Energy Class A++

Heating Energy Efficiency (SCOP/COP Mild) 4.00/3.21

Heating Energy Class (Mild/Warm/Cold) A+/A++/-

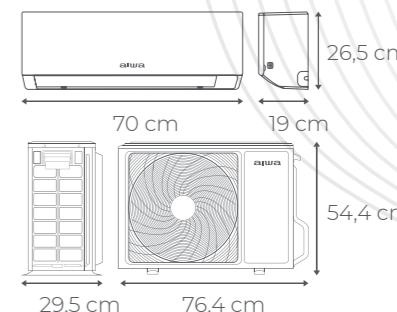
Indoor Cooling / Heating Sound Power Level (Hi) 57 db

Suitable for medium rooms up to 23 square meters. Ideal for larger bedrooms or living rooms, the enhanced airflow system ensures consistent comfort throughout the space.



## FUJINAIR 9

AIR CONDITIONING ACD-9100



Cooling Energy Efficiency (SEER/EER) 6.1/3.01

Cooling Energy Class A++

Heating Energy Efficiency (SCOP/COP Mild) 4/3.21

Heating Energy Class (Mild/Warm/Cold) A+/A++/-

Indoor Cooling / Heating Sound Power Level (Hi) 54 db

Best for small rooms up to 14 square meters. Perfect for compact spaces, this model ensures every corner of the room receives cool or warm air evenly.



### MODEL: ACD-24100

PRODUCT CODE	BAR CODE	MASTER BOX
9521008 (I)	8435256810882	1
9521008 (E)	8435256810899	1

### MODEL: ACD-18100

PRODUCT CODE	BAR CODE	MASTER BOX
9521007 (I)	8435256810868	1
9521007 (E)	8435256810875	1

### MODEL: ACD-12100

PRODUCT CODE	BAR CODE	MASTER BOX
9521006 (I)	8435256810844	1
9521006 (E)	8435256810851	1

### MODEL: ACD-9100

PRODUCT CODE	BAR CODE	MASTER BOX
9521005 (I)	8435256810820	1
9521005 (E)	8435256810837	1

MODEL			HARUAIR 9 FUJINAIR 9 SUJINAIR 9	HARUAIR 12 FUJINAIR 12 SUJINAIR 12	HARUAIR 18 FUJINAIR 18 SUJINAIR 18	HARUAIR 24 FUJINAIR 24 SUJINAIR 24
HEATING	Nominal (Min-Max)	kW	2.5(0.8-3.0)	3.20(0.80-3.50)	4.80(1.30-5.40)	6.20(1.30-7.40)
	Energy Efficiency	SEER/EER	6.1/3.01	6.10/2.81	6.30/2.81	6.70/3.10
	Energy Class		A++	A++	A++	A++
	Pdesign Capacity	kW	2.5	3.20	4.80	6.20
	Power Input	Nominal (Min-Max)	kW	0.83(0.3-1.2)	1.138(0.30-1.50)	1.708(0.40-1.90)
	Annual Energy Consumption		kWh/a	143	184	267
	Operating Limits	Min-Max	°C	-10-43°C(out)	-10-43°C(out)	-15-43°C(out)
	Position			indoor	indoor	outdoor
INDOOR	Capacity	Nominal (Min-Max)	Btu/h	9550(2730-11260)	11600(2730-12280)	16380(4430-18420)
	Capacity	Nominal (Min-Max)	kW	2.8(0.8-3.3)	3.40(0.80-4.00)	4.80(1.30-5.40)
	Energy Efficiency	SCOP/COP (Mild)		4/3.21	4.00/3.21	4.00/3.60
		SCOP (Warm/Cold)		4.60/-	4.60/-	5.10/-
	Energy Class	Mild/Warm/Cold		A+/A++/-	A+/A++/-	A+/A+++-
	Pdesign Capacity (-10°C)		kW	2.1	2.60	3.60
	Power Input	Nominal (Min-Max)	kW	0.872(0.3-1.2)	1.059(0.30-1.50)	1.333(0.40-1.90)
	Annual Energy Consumption		kWh/a	735	910	1260
	Operating Limits		°C	-15-24°C(out)	-15-24°C(out)	-15-24°C(out)
OUTDOOR	Power Supply	Ph/V/Hz		1/220-240/50	1/220-240/50	1/220-240/50
	Net Dimension	W/D/H	mm	705/193/265	705/193/265	875/212/304
	Package Dimension	W/D/H	mm	772/325/263	772/325/263	945/390/296
	Net/Shipping Weight		kg	7.5/8.8	7.8/9.2	10.0/12.0
	Air Flow (Cooling/Heating)	Max	m³/h	520/520	520/520	770/810
	Sound Power Level	Cooling (Hi)	dB(A)	54	57	60
		Heating (Hi)	dB(A)	54	57	60
	Sound Pressure Level	Cooling (Hi/Mid/Lo/So)	dB(A)	38/34/30/18	39/35/31/19	44/40/35/28
		Heating (Hi/Mid/Lo/So)	dB(A)	38/34/30/18	39/35/31/19	44/40/35/28
	Moisture Removal		10-3m³/h	1.2	1.4	2
Compressor			HIGHLY	HIGHLY	SANYO	HIGHLY
Net Dimension			700/245/544	700/245/544	800/275/553	800/275/553
Package Dimension			819/320/585	819/320/585	902/375/607	902/375/607
Net/Shipping Weight			21.8/23.9	22.9/25	29.2/32.1	32.7/36.5
Air Flow (Cooling/Heating)			2100/2100	2100/2100	2200/2200	2500/2500
Sound Power Level			62	63	65	68
Sound Pressure Level			50	50	54	57
Running Current			5.3	6.5	8.6	10.5
Refrigerant Type			R32	R32	R32	R32
Refrigerant Charge			500	550	780	900
Refrigerant Pipe			6.35	6.35	6.35	6.35
			9.52	9.52	12.7	12.7
			20/10	20/10	20/15	25/15
			5	5	7	7
			Additional Charge	20	20	20
			g/m			

FUNCTIONS	INTRODUCTION	2024
<b>TOSEI AQUA Sterilization</b>	Ionizes the air and releases positive and negative ions to sterilize the air with efficiency up to 97.5%.	Sujinair
<b>Triple filter tech</b>	Utilizes mixed powerful filter plus eletronical filter, combining to prevent the air conditioner from harmful micro-particles including dust, virus and bacteria	Fujinair & Sujinair
<b>Anti-Corrosion</b>	Helps condensate flow smoothly via its hydrophilic and anti-corrosive properties.	◆
<b>Self Clean</b>	Freezes the evaporator with moisture in the air, and then removes away dirt in melting, ensuring clean air out of the air conditioner.	◆
<b>WiFi Control</b>	Download the Tuya Intelligent Air App to an Apple or Android smart device, and link the equipment to the smart device for system control from whenever and wherever you want.	◆
<b>A-PAM Control</b>	Automatically adjusts DC bus voltage in accordance with the compressor load to increase operation voltage range.	◆
<b>PID Control</b>	Maximizes the working frequency before reaching the desired temperature, and, after that, constantly makes real-time adjustments to match room air temperature with the desired temperature.	◆
<b>Turbo Cooling</b>	The special control program allows the motor to work at a higher frequency. It enables users to enjoy a cool room within a much shorter time.	◆
<b>Long Distance Airflow</b>	The indoor unit get improved with better motor, optimized fan and air duct. It enables the air conditioner blows air as long as 20m.	18K/24K
<b>Strong Airflow</b>	With improved fan and air duct, the air conditioner supplies up to 25% more air volume than the conventional.	◆
<b>Warm Start</b>	Blows no cold air when the unit is starting to work at heating mode, or change from cooling mode to heating mode.	◆
<b>-15°C Heating</b>	Provides powerful heating performance in cold winter with rotary compressor, etc.	◆
<b>-10°C Cooling</b>	Works at low ambient temperature with high frequency rotary compressor, optimized refrigerant system and special defrosting programme, etc.	◆
<b>DC Motor</b>	Ensures reliable operation with much higher energy saving and lower operation sound.	◆
<b>DC Compressor</b>	Reduces energy loss and maximize power input to achieve much higher energy efficiency.	◆
<b>Smart Defrosting</b>	Works only when necessary to reduce energy waste, and provide better experience by reducing defrosting time.	◆
<b>Indoor 5-step Fan Speed</b>	Works at powerful/high/middle/low/quiet speed to give users more choices in airflow control.	◆
<b>Auto Vertical Airflow</b>	Moves vertically and works with horizontal flaps to achieve various air angle.	◆
<b>3-minute Protection</b>	Helps compressor avoid unexpected damages to have longer life.	◆
<b>Auto Restart</b>	Returns operation to previous air conditioner settings after a sudden power break.	◆
<b>Wide Voltage Operation</b>	Enable interver AC to start working from 150V-264V	◆
<b>89 Display</b>	Shows clearly the real-time room temperature or desired temperature on the panel.	◆
<b>Auto Mode</b>	Helps air conditioner choose cooling or heating automatically based on desired temperature and ambient temperature.	◆
<b>Integrated Structure</b>	Combines the bottom base, drain pan and frame casing together to level up product reliability and lower vibration.	◆
<b>Low Watt Standby</b>	Lowers stand-by power consumption from 8W to about 1W by optimizing control programme.	◆
<b>Outdoor 7-step Fan Speed</b>	Makes adjustments according to the control of ambient sensor and tubing sensor to optimize heat exchange performance and improve energy efficiency.	◆
<b>Coanda Plus Airflow</b>	Makes the wind out of the air conditioner further, faster, and stronger, so that the cool air can be evenly delivered to every corner of the room.	◆
<b>Whispering Air</b>	Ensures your peace of mind with optimized fan, air duct and motor.	◆
<b>Dry Function</b>	Adjusts fan speed automatically according to room air temperature to achieve either mild dehumidification or strong dehumidification.	◆
<b>3D Airflow</b>	Delivers comfortable airflow to every corner of your room with the constant horizontal and vertical movements of airflow blades.	Fujinair & Sujinair
<b>Intelligent Air</b>	Directs the airflow upwards at cooling mode, and downwards at heating mode to provide better air conditioning performance.	◆
<b>Sleep Mode</b>	Provides maximum comfort and energy saving during your good night's sleep.	◆
<b>Positioning Specifications</b>	Help fix the mounting plate and hang air conditioner at proper position.	◆
<b>Extended Kickstand</b>	Makes the installation easy with larger operation area to install and service.	◆
<b>Easy Access Control Board</b>	Simplifies dismounting and maintenance without disassembling casing.	◆
<b>Wider Tubing Space</b>	Saves installation time with larger operation space for piping and wiring.	◆
<b>Easy Access Fan Motor</b>	Simplifies dismounting and maintenance without disassembling evaporator.	◆
<b>Self-diagnosis</b>	Shows the error code on the LED display of the indoor unit to make the maintenance easier.	◆

## SPECIFICATIONS

## TYPE

Category:	<b>AIR TREATMENT</b>	Product Code:	<b>9521008</b>
Product Family:	<b>Air Conditioning</b>	EAN Code Split (I):	<b>8435256810882</b>
Type:	<b>FUJINAIR Series</b>	EAN Code Outdoor machine (E):	<b>8435256810899</b>

## AESTHETICS

Colour:	<b>White</b>	Aesthetic:	<b>FUJINAIR</b>
Finishing:	<b>Satin</b>	Body material:	<b>Plastic</b>

## PROGRAMME / FUNCTIONS

TOSEI AQUA Sterilization:	<b>No</b>	WiFi Control:	<b>Yes</b>
Long Distance Airflow:	<b>Yes</b>	Turbo Cooling:	<b>Yes</b>
3D Airflow:	<b>Yes</b>	Strong Airflow:	<b>Yes</b>
Triple filter tech:	<b>Yes</b>	Warm Start:	<b>Yes</b>
Anti-Corrosion:	<b>Yes</b>	Smart Defrosting:	<b>Yes</b>

## CONTROLS

REMOTE CONTROL:	<b>Yes</b>	Buttons material:	<b>Ruber</b>
Pulsante ON/OFF:	<b>Yes</b>		

## TECHNICAL FEATURES COOLING

Capacity Nominal (Min-Max)BTU/H:	<b>21150 (4430-25250)</b>	P. design Capacity:	<b>6,2 kw</b>
Capacity Nominal (Min-Max)KW:	<b>6,20 (1,30-7,40)</b>	P. Input Nominal (Min-Max):	<b>2,000 (0,40-2,20) kw</b>
Energy Efficiency SEER/EER:	<b>6,70 / 3,10</b>	Annual Energy Consumption:	<b>324 kw</b>
Energy Class	<b>A++</b>	Operating Limits Min-Max:	<b>-15-43°C (out)</b>

## TECHNICAL FEATURES HEATING

Cap. Nominal (Min-Max)BTU/H:	<b>21500 (4770-25590)</b>	P. design Capacity (-10°C):	<b>4,6 kw</b>
Cap. Nominal (Min-Max)KW:	<b>6,30 (1,40-7,50)</b>	P. Input Nominal (Min-Max):	<b>1,745 (0,60-2,30) kw</b>
SCOP/COP (Mild):	<b>4,00 / 3,61</b>	Annual Energy Consumption:	<b>1610 kw</b>
SCOP (Warm/Cold):	<b>5,10 / -</b>	Operating Limits:	<b>-15-24°C (out)</b>
Energy Class Mild/Warm/Cold:	<b>A+ / A+++ / -</b>	P. Supply Ph/V/Hz (position):	<b>1 / 220-240 / 50 (outdoor)</b>

## TECNICAL FEATURES INDOOR

Air Flow (Cooling/Heating):	<b>1100 / 1000</b>	Sound Cooling (Hi/Mid/Lo/So):	<b>47 / 45 / 37 / 29 dB</b>
Sound P. Cooling:	<b>64 dB</b>	Sound Heating (Hi/Mid/Lo/So):	<b>47 / 45 / 37 / 29 dB</b>
Sound P. Heating:	<b>64 dB</b>	Moisture Removal 10-3m³/h:	<b>2,8</b>

## TECNICAL FEATURES OUTDOOR

Air Flow (Cooling/Heating):	<b>2200 / 2200 m³/h</b>	Refrigerant Pipe Diameter:	<b>6,35 mm</b>
Sound P. Cooling:	<b>65 dB</b>	Gas Side Diameter:	<b>12,7 mm</b>
Sound P. Heating:	<b>54 dB</b>	Max Pipe Length/Height:	<b>20 / 15 m</b>
Running Current Max:	<b>8,6</b>	Max Pipe Length Charge:	<b>7 m</b>
Refrigerant Type:	<b>R32</b>	Additional Charge:	<b>20 g/m</b>
Refrigerant Charge:	<b>780 gr</b>	Compressor:	<b>HIGHLY</b>

## ELECTRICAL CONNECTION

Rating:	<b>220-240 V~</b>	Power cooling:	<b>6,2 kw</b>
Frequency:	<b>50 Hz</b>	Power heating:	<b>6,7 kw</b>

## LOGISTIC INFORMATION INDOOR

Net Dimension W/D/H:	<b>975/222/318 mm</b>	Net/Shipping Weight:	<b>11,6 / 14,4 kg</b>
Package Dimension W/D/H:	<b>1050/397/301 mm</b>	Master Box:	<b>1</b>

## LOGISTIC INFORMATION OUTDOOR

Net Dimension W/D/H:	<b>800/275/553 mm</b>	Net/Shipping Weight:	<b>32,7 / 36,5 kg</b>
Package Dimension W/D/H:	<b>902/375/607 mm</b>	Master Box:	<b>1</b>