

Technical Specification R410A Split System

Indoor Model			42KHA012HN	42KHA018HN	42KHA024HN	42KHA030HN	42KHA036H
Outdoor Model			38KHA012HN	38KHA018HN	38KHA024HN	38KHA030HN	38KHA036H
Power supply		V,Hz,Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (T1)	Capacity	Btu/h	12000	18000	23200	28000	31400
	Input	W	980	1460	1890	2330	2610
	Rated current	A	4.3	6.4	8.3	10.5	12.6
	EER	Btu/h/W	12.24	12.33	12.28	12.02	12.03
Cooling(T3)	Capacity	Btu/h	10300	16200	20000	25000	27200
	Input	W	1140	1750	2250	2890	3080
	Rated current	A	5.0	7.7	9.9	13.0	14.3
	EER	Btu/h/W	9.04	9.26	8.89	8.65	8.83
Indoor air flow (Turbo/Hi/Mi/Lo)		m3/h	735/580/500/410	1160/1040/955/880	1400/1150/1000/900	1500/1320/1130/1010	1500/1320/1130/1010
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	44/38/35/30	47.5/45/42/40	52/48/44/41	52/50/46/43	52/51/47/44
Indoor unit	Dimension(W*D*H)	mm	802x189x297	1080x226x335	1080x226x335	1259x282x362	1259x282x362
	Packing (W*D*H)	mm	875x285x380	1155x315x415	1155x315x415	1340x380x450	1340x380x450
	Net/Gross weight	Kg	8.9/11.3	14.9/18.5	13.8/17.4	19.8/25.3	19.8/25.6
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810
	Packing (W*D*H)	mm	915x370x615	995x398x740	995x398x740	1090x500x875	1090x500x875
	Net/Gross weight	Kg	32.3/35	46.2/49.5	50.4/53.6	66/69.9	68.5/73.2
Refrigerant type		g	R410A/800g	R410A/1320g	R410A/1750g	R410A/2100g	R410A/2600g
Design pressure		MPa	4.8/1.5	4.8/1.5	4.8/1.5	4.8/1.5	4.8/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7 (1/4"/1/2")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ19 (3/8"/3/4")
	Max. refrigerant pipe length	m	20	25	25	25	25
	Max. difference in level	m	8	10	10	10	10
Connection wiring			1.5x3	2.5x3	2.5x4	1.0x4	1.0x4
Plug type			1.5x3/no-plug	2.5x3/no-plug	2.5x3/no-plug	4.0x3/no-plug	4.0x3/no-plug
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		℃	17~30	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	℃	17~32/---	17~32/---	17~32/---	17~32/---	17~32/---
	Outdoor(cooling/heating)	℃	18~52/---	18~52/---	18~52/---	18~52/---	18~54/---

12 - 24K

30-36K



- T1 conditions: Indoor Air Temperatures 27° C (DB) / 19° C (WB) and Outdoor Air Temperatures 35° C (DB) / 24° C (WB)
T3 conditions: Indoor Air Temperatures 29° C (DB) / 19° C (WB) and Outdoor Air Temperatures 46° C (DB) / 24° C (WB)
- The Cooling capacity mentioned above is Gross Capacity.
- All specifications subject to change without prior notice according to Carrier policy of continuous development.

Green

High Wall
Cooling Only Type
High Ambient Application

Dual Purification System

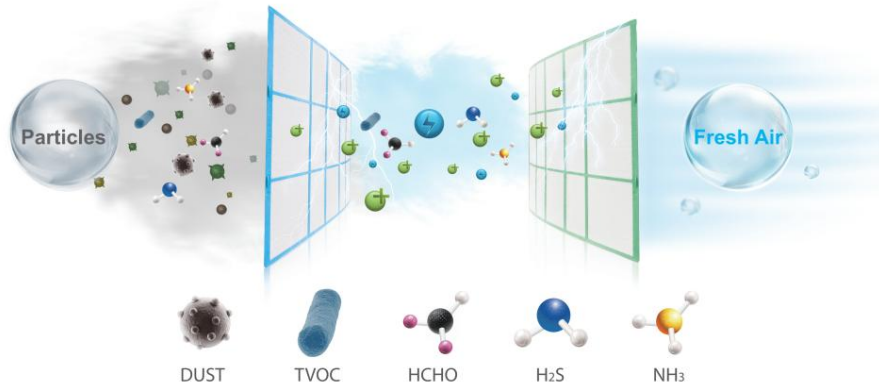
The Dual Filters protect you from harmful particles to make you live a healthy life.

1 First Guard

The Dust Filter filters out dust and harmful particles from the indoor air.

2 Second Guard

The fresh filter options provide different functions to fresh the air.



Washable High Density Filter

Enhanced filter capacity, remove the micro dust from the air.

Filter Type	"Ordinary "	"HD"
Quantity of Holes per cm ²	156	255
Hole Size (mm)	1.2*1.2	0.54*0.54



"Ordinary Filter" VS "HD Filter"

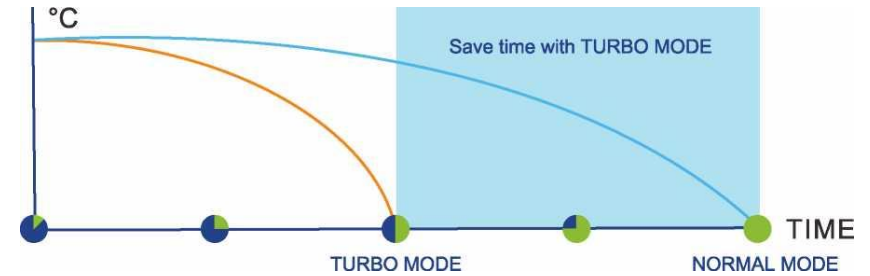
Cold Catalyst Filter

Eliminate formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors.



Quick Cooling by Turbo Mode

With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain the desired temperature in the shortest amount of time.



Even Cooling by Four Way Air Distribution

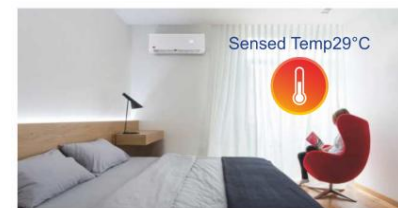
The louver can be manually or automatically directed in four directions up, down, left and right, ensure an even distribution of air throughout the room.



* The left and right direction is manual control for selected models.

Keep Cooling by Follow Me

Sense the surrounding temperature by the built-in sensor of remote controller, to adjust the room temperature more accurate.



Without "Follow Me"



With "Follow Me"

Design For Convenience

My Mode

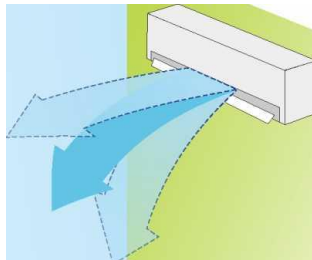
The air conditioner remembers your preferred operating mode and you can enjoy cooling off with the auto-start adjustment of your settings.



Press the 'My Mode' button and the air conditioner will remember your preferred options, and you can enjoy the same coolness setting as last time.

Louver Position Memory

When you start the unit next time, the angle of horizontal louver will automatically move to the same position as you set last time.



Previous Air-Flow Angle

Manual ON/OFF Button

In case the remote controller is lost, the manual mutton can be used to turn ON/OFF the unit temporary, and the structure design is more easy to access.



Old Design



New Design

New Remote Control

On/Off

Press to start operation.
Press again to stop.

Mode

Press the mode button to switch the mode in turn.

My Mode

Press to memorize or resume your favorite pre-settings.

Swing

Starts and stops the louver movement.

Fix

Used to set the desired up/down air flow direction. The louver changes 6 degree in angle for each press.

ECO Sleep

Press to enter Sleep Mode

LED

Press to turn on/off the LED display.

The backlight LCD

Allows easy operation in the dark.

Fan

Press to select the fan speed.

Temperature UP

Increases temperature in 1 °C increments.

Temperature Down

Decreases temperature in 1 °C increments.

Timer Off

Press to set the timer to turn unit off.

Timer On

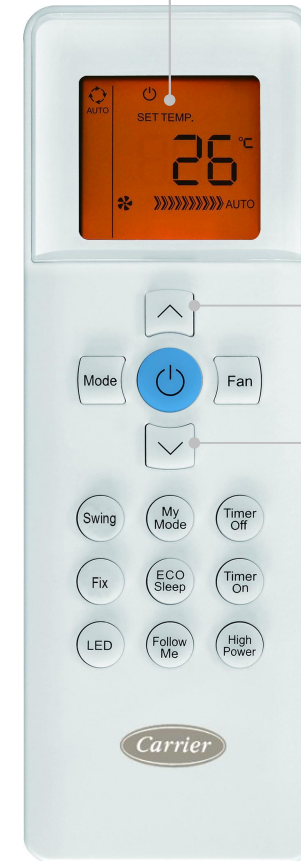
Press to set the timer to turn unit on.

Follow Me

Press to activate or clear the Follow me function..

High Power(Turbo)

Press to activate/disable the High power function.



Note:

1. Above illustration shows all the features. For actual model, only the relevant parts are shown.
2. Buttons design might be slightly different from the actual one.



ABOUT CARRIER

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is a world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

The Invention That Changed the World

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.

Today, Carrier® innovations are found across the globe and in virtually every facet of daily life. We create comfortable and productive environments, regardless of the climate. We provide solutions, services and education to lead the green building movement.

These mark just a handful of the ways Carrier works to make the world a better place to live, work and play.