CHARMING SERIES (18C)

Carrier

Carrier

⊡ TECHNICAL SPECIFICATION

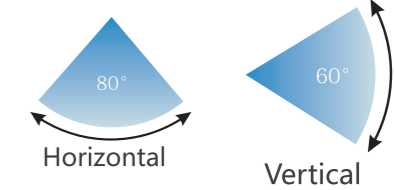| Indoor Unit		Unit	COOL ONLY		
			42KHG012H	42KHG018H	42KHG024H
Unit Size	Cooling	TR	1.0	1.5	2.0
Capacity at T1		BTU/h	12,000	18,000	22,700
		Watts	3,517	5,275	6,653
Capacity at T3		BTU/h	10,600	16,200	19,800
		Watts	3,107	4,748	5,803
Power Supply		V-Ph-Hz	220~240-1-50		
Total System Power Input (OU + IU) at T1	Cooling	Watts	990	1470	1930
Total System Power Input (OU + IU) at T3		Watts	1170	1750	2290
EER at T1		Btu/W-h	12.12	12.24	11.76
EER at T3		Btu/W-h	9.06	9.26	8.65
Air Filter Type			Washable air filter		
Air Flow Rate (High/ Medium/ Low Speed)		CFM	323/285/218	606/571/471	676/618/588
Indoor Sound Pressure Level (High/ Medium/ Low Speed)		dBA	40/36/30	46/43/41	47/45/43
Net Weight		kg	8.9	14.9	13.8
Dimensions (W x D x H)		mm	802x200x295	1082x234x337	1082x234x337
Pipe Connection Size	Liquid	inch	1/4"	1/4"	3/8"
	Suction	inch	1/2"	1/2"	5/8"
Outdoor Unit		Unit	COOL ONLY		
			38KHG012H	38KHG018H	38KHG024H
Power Supply		V-Ph-Hz	220~240-1-50		
Compressor Type			ROTARY		
Refrigerant			R410A		
Refrigerant Pipe (Max Length)	Vertical + Horizontal	mts	20	25	25
	Vertical (OU & IU)	mts	8	10	10
Recommended Wire Size/No. of Wires for Power Supply to FCU or Condensing Unit *		mm²/qty	1.5 / 2 + 1 Earth	2.5 / 2 + 1 Earth	
Recommended Wire Size/No. of Wires for Control from FCU to Condensing Unit *			1.5 / 3	2.5 / 3	2.5 / 4
Dimensions (W x D x H)		mm	805x330x554	890x342x673	890x342x673
Net Weight		kg	32.3	46.2	50.4
Max Outdoor Air Temperature Operation		°C	52		

Remarks:

1. T1 conditions: Indoor Air Temperatures 27°C (DB) / 19°C (WB) and Outdoor Air Temperatures 35°C (DB) / 24°C (WB)

2. T3 conditions: Indoor Air Temperatures 29°C (DB) / 19°C (WB) and Outdoor Air Temperatures 46°C (DB) / 24°C (WB)

* Recommended wire sizes are for reference & guidance ONLY, all field wires should comply with National and International Electrical Codes

The above design and specifications are subject to change without prior notice for product improvement.
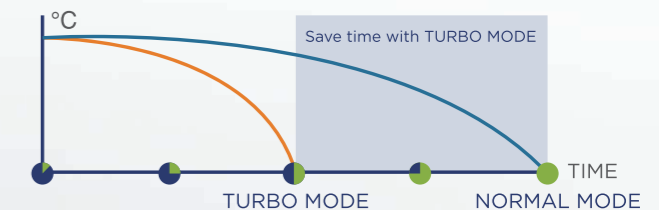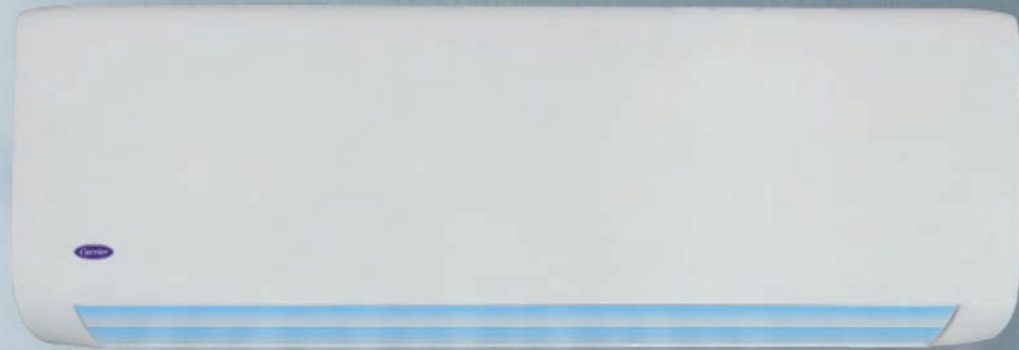
⊞ 3D AIR FLOW

80° Horizontal

60° Vertical

The directional air-outlet moves automatically both horizontally and vertically, directing nice and cool airflow to fill in every corner of the room.

❄ 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.

°C

Save time with TURBO MODE

TIME

TURBO MODE   NORMAL MODE

Carrier

HEALTHY AND ENJOY SUMMER

DUAL FILTRATION

DUAL FILTRATION

The Dual Filtration system thoroughly eliminates harmful substances through the 2 steps, providing fresh and clean air to you.

STEP1: High Density Pre Filter

Dust

Dog hair   Dead mite feces   Fung

STEP2: Micro Protection Filter

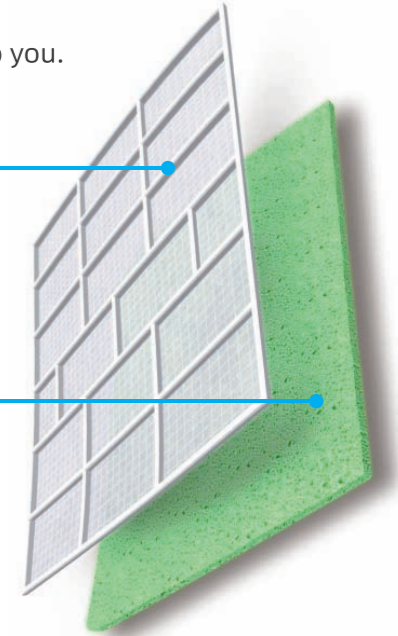Pollen (Allergen), smoke, micro dust(under 0.3um)

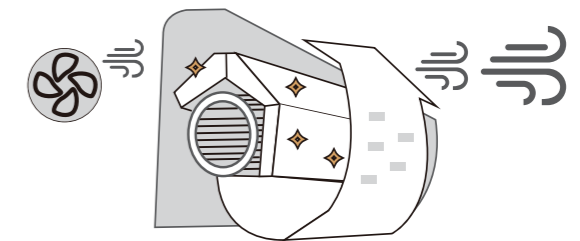Flower pollen   Bacteria   Car exhaust fumes   Smoke
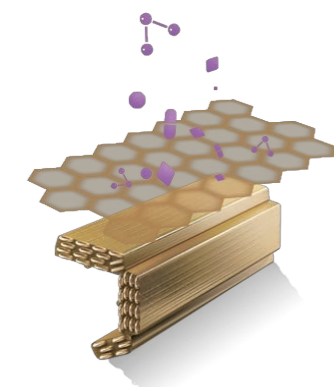
SELF CLEAN

This function helps reduce mould growth in the air conditioner by operating in low fan mode to dry the coils, so you can enjoy healthy air all year round. Simply press and hold the "High Power" button for more than 2 seconds to activate the Self Clean function, the controller will automatically manage the process.
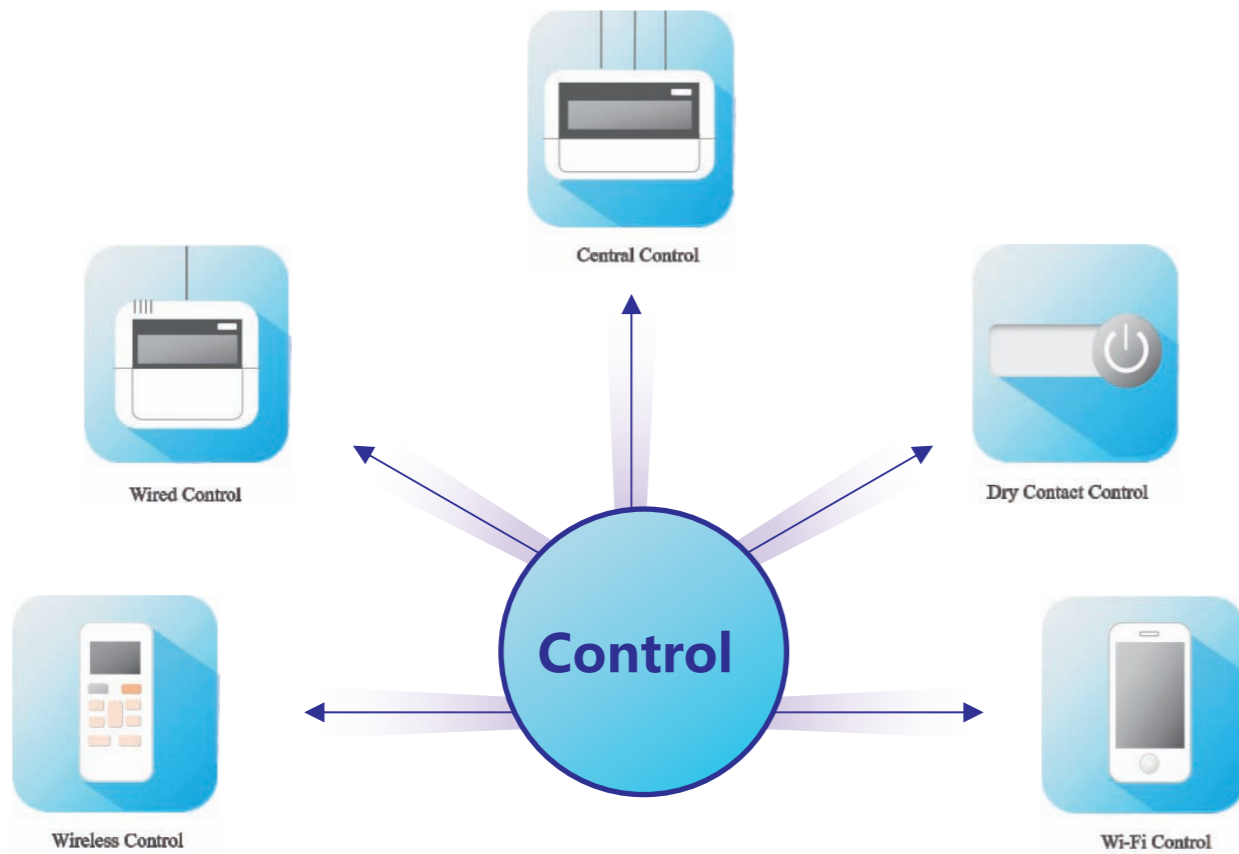
GOLDEN FIN

The unique anticorrosive golden coating on the indoor coil exchangers can withstand the corrosive elements. It also effectively prevents bacteria from breeding and improves heat efficiency.

Carrier

⬡ SMART CONTROL

- **Optional with different controls, suitable all applications.**
  (Only one can be chose together with the IR wireless controller).

- **IR Wireless Control**
  Standard with the basic functions for the end user.

- **Wired Control**
  Same function with the IR wireless control, used for the commercial place.

- **Wired Control with weekly timer**
  Schedule the operation for a week, and repeat the schedule weekly.

- **Central Control**
  Max. 64 indoor units can be group control or individual setting.

- **BMS Control**
  Can be connected with the BMS control system through the gateway.

- **WIFI Control**
  Online control to have more functions.

- **Dry Contact Control**
  Low cost to realize the remote ON/OFF control.

Central Control

Wired Control

Dry Contact Control

Control

Wireless Control

Wi-Fi Control

⬡ EASY INSTALLATION

Easy installation, without too much manpower, installation without any difficulty, only simple installation tools

⬡ INSTALLATION STEPS

- Bigger wiring
- Easier wiring

- Narrow Space
- Compact Wiring Terminal

- Open Space
- Broad Wiring Terminal

-20%-

Time Saving