



# CHARMING SERIES (18C)



Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.



## 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 T4		BTU/h	10,300	15,400	19,200	
		Watts	3,019	4,513	5,627	
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 T4		Watts	1210	1780	2360	
EER at T1		Btu/W-h	12.12	12.24	11.76	
EER at T4		Btu/W-h	8.51	8.65	8.14	
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 Condensing Unit *	mm <sup>2</sup> /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				

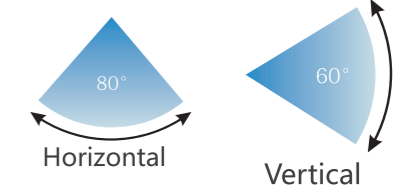
### Remarks:

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.

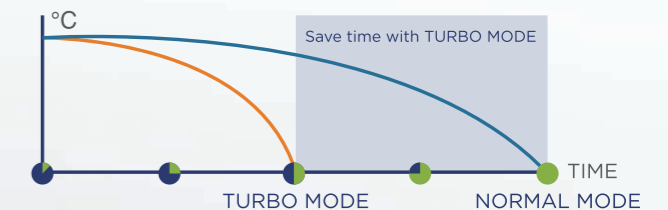
## 3D AIR FLOW



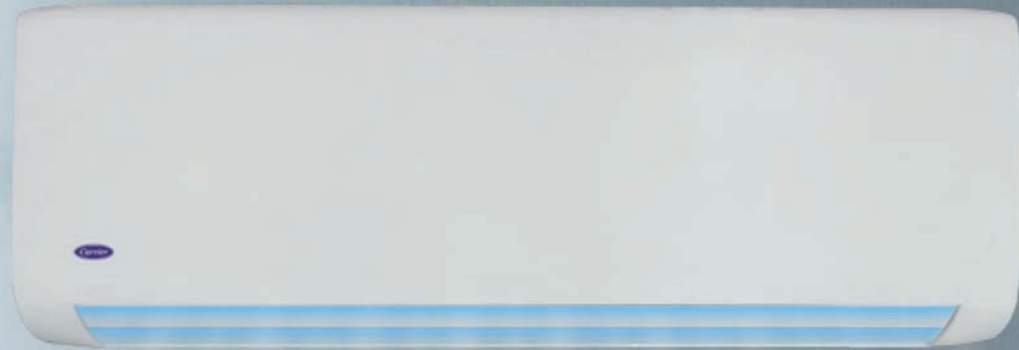
The directional air-outlet moves automatically both horizontally and vertically, directing nice and cool airflow to fill in every corner of the room.

## 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.



# 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



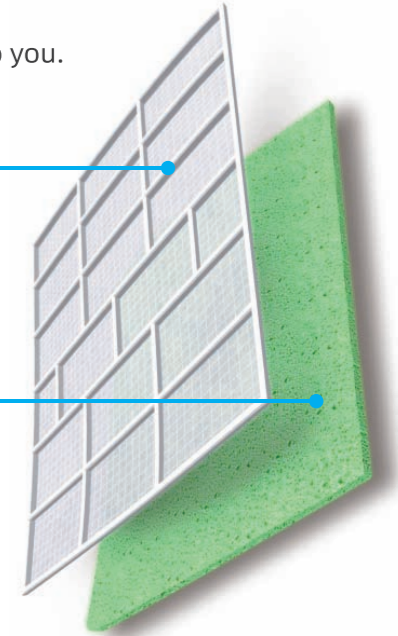
Bacteria



Car exhaust fumes

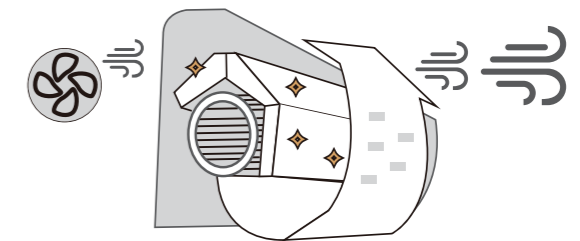


Smoke



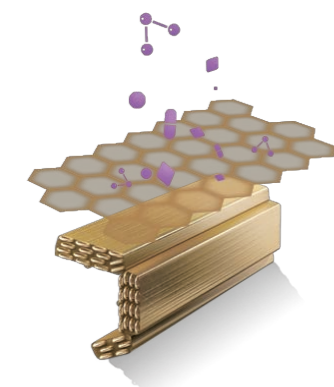
## SELF CLEAN

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.



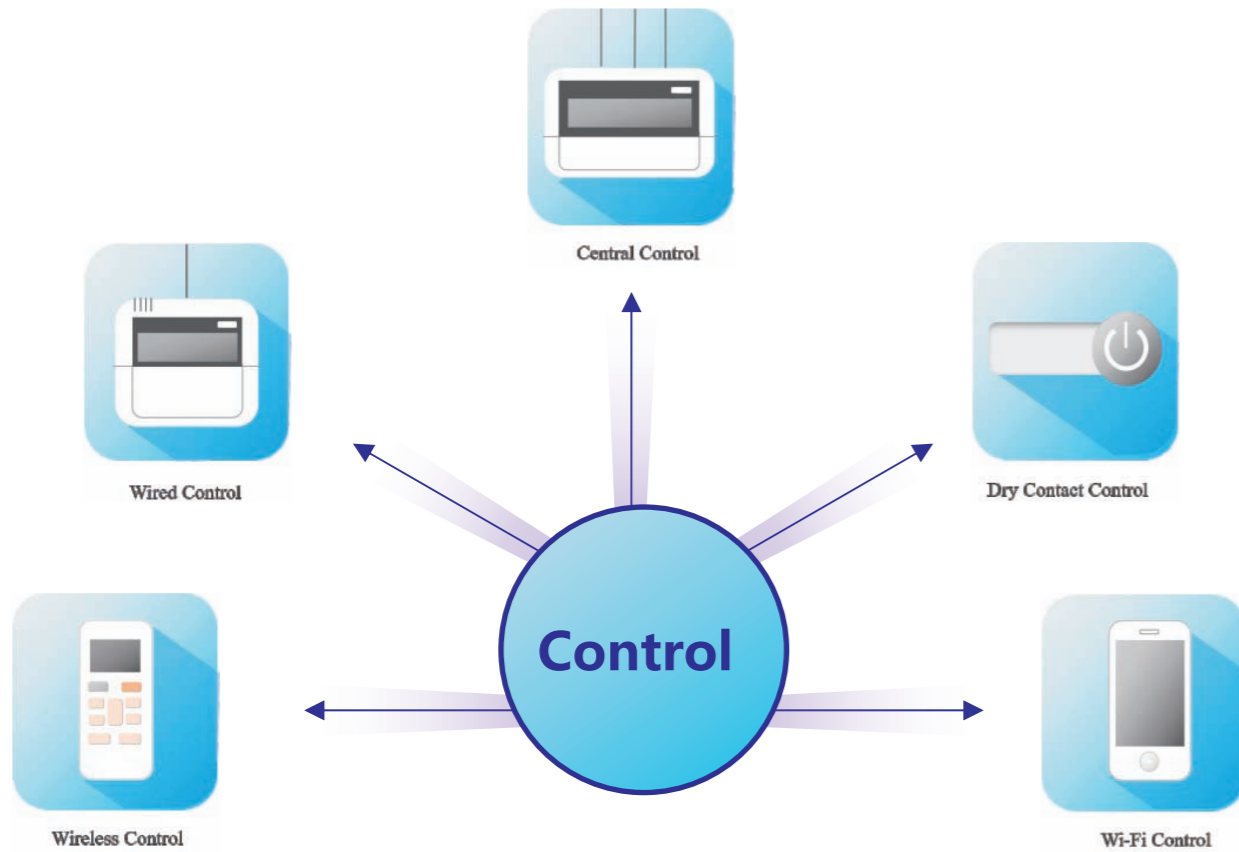
## GOLDEN FIN

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.



## 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.



## 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



Time Saving

