



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 | 42KHB030HN | 42KHB036HN-1 |
| Unit Size | Cooling | TR | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| Capacity at T1 | | BTU/h | 12,000 | 18,000 | 22,700 | 31,400 | 36,000 |
| | | Watts | 3,517 | 5,275 | 6,653 | 9,203 | 10,551 |
| Capacity at T3 | | BTU/h | 10,600 | 16,200 | 19,800 | 27,200 | 31,000 |
| | | Watts | 3,107 | 4,748 | 5,803 | 7,972 | 9,086 |
| Power Supply | V-Ph-Hz | 220~240-1-50 | | | | | |
| Total System Power Input (OU + IU) at T1 | Cooling | Watts | 990 | 1470 | 1930 | 2730 | 3120 |
| Total System Power Input (OU + IU) at T3 | | Watts | 1170 | 1750 | 2290 | 3200 | 3690 |
| EER at T1 | | Btu/W-h | 12.12 | 12.24 | 11.76 | 11.50 | 11.51 |
| EER at T3 | | Btu/W-h | 9.06 | 9.26 | 8.65 | 8.50 | 8.40 |
| Air Filter Type | Washable air filter | | | | | | |
| Air Flow Rate (High/ Medium/ Low Speed) | CFM | 323/285/218 | 606/571/471 | 676/618/588 | 776/665/594 | 988/841/741 | |
| Indoor Sound Pressure Level (High/ Medium/ Low Speed) | dBA | 40/36/30 | 46/43/41 | 47/45/43 | 51/47/44 | 52/48/45 | |
| Net Weight | kg | 8.9 | 14.9 | 13.8 | 19.8 | 20.6 | |
| Dimensions (W x D x H) | mm | 802x200x295 | 1082x234x337 | 1082x234x337 | 1259x362x282 | 1350x272x365 | |
| Pipe Connection Size | Liquid | inch | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" |
| | Suction | inch | 1/2" | 1/2" | 5/8" | 3/4" | 3/4" |
| Outdoor Unit | | Unit | COOL ONLY | | | | |
| | | | 38KHG012H | 38KHG018H | 38KHG024H | 38KHB030HN | 38KHB036HN-1 |
| Power Supply | V-Ph-Hz | 220~240-1-50 | | | | | |
| Compressor Type | ROTARY | | | | | | |
| Refrigerant | R410A | | | | | | |
| Refrigerant Pipe (Max Length) | Vertical + Horizontal | mts | 20 | 25 | 25 | 25 | 25 |
| | Vertical (OU & IU) | mts | 8 | 10 | 10 | 10 | 10 |
| Recommended Wire Size/No. of Wires for Power Supply to Condensing Unit * | mm ² /qty | 1.5 / 2 + 1 Earth | 2.5 / 2 + 1 Earth | | 4.0 / 2 + 1 Earth | 4.0 / 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 | 1.0 / 4 | 1.0 / 4 | |
| Dimensions (W x D x H) | mm | 805x330x554 | 890x342x673 | 890x342x673 | 946x420x810 | 900x350x1170 | |
| Net Weight | kg | 32.3 | 46.2 | 50.4 | 68.5 | 81.3 | |
| Max Outdoor Air Temperature Operation | °C | 52 | | | | | |

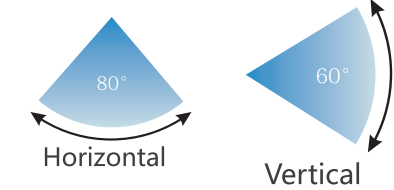
Remarks:

- 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)

* 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.

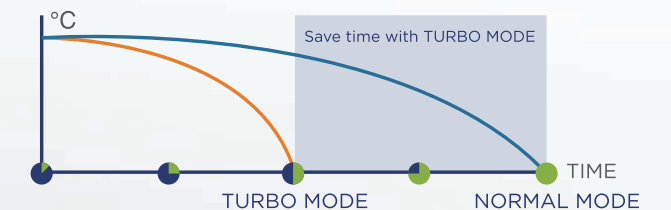
3D AIR FLOW



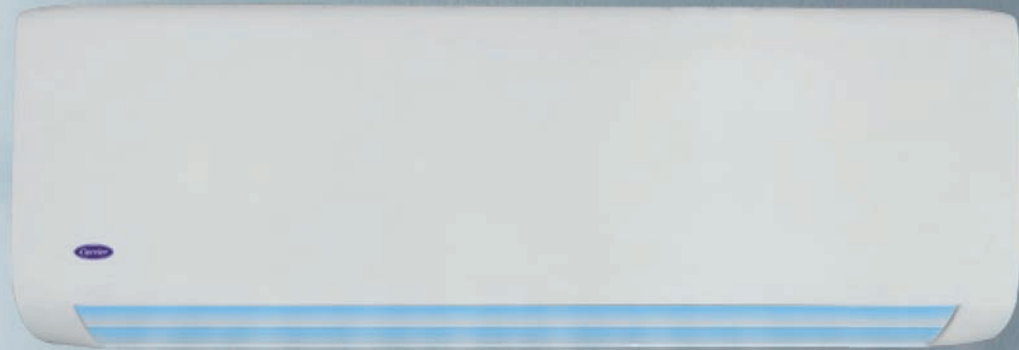
The directional air-outlet moves automatically both horizontally and vertically, directing nice and cool airflow to fill in every corner of the room.

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

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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



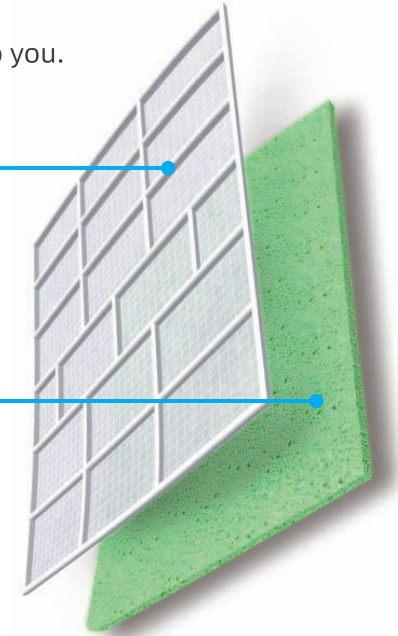
Bacteria



Car exhaust fumes

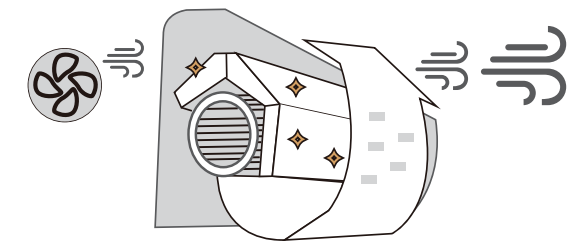


Smoke



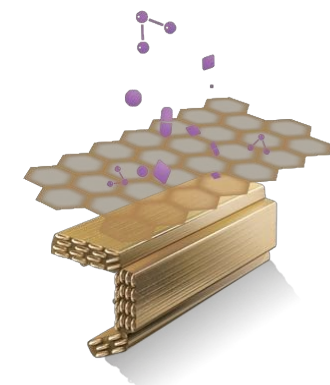
SELF CLEAN

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.



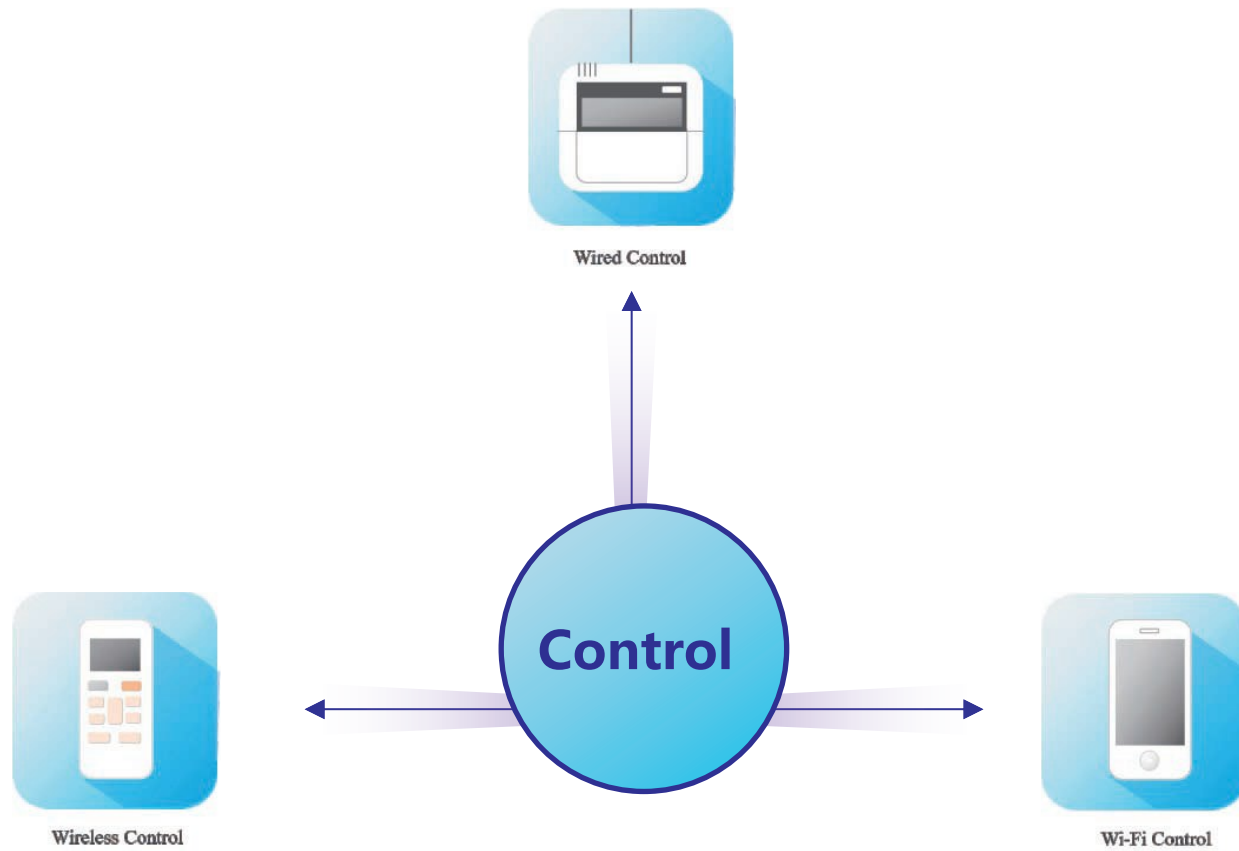
GOLDEN FIN

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



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

