



Wi-Fi

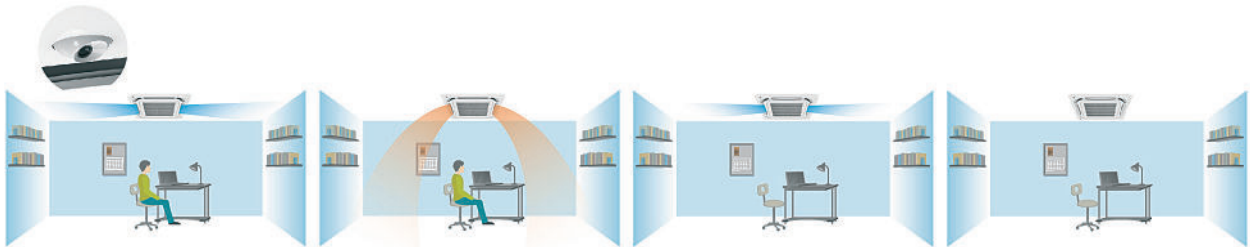
# Cassette indoor unit with circular air distribution

The cassette unit with circular air distribution is suitable for various places such as hotels, office buildings, shopping malls. Due to the circular distribution of air, a more uniform temperature of the room is achieved, therefore, comfort increases.

| HEALTH                                                                            |                                                                                   | COMFORT MANAGEMENT                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   | INTELLIGENT CONTROL                                                               |                                                                                   |                                                                                    |                                                                                     | TECHNOLOGICAL                                                                       |                                                                                     |                                                                                     |                                                                                     |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mode SLEEP                                                                        | ECO-FRESH                                                                         | Timer                                                                             | LED display                                                                       | Turbo mode                                                                        | Multi speed fan                                                                   | Wi-Fi                                                                             | Dehumidification mode                                                             | Anti Freeze protection                                                            | Auto restart                                                                       | Self diagnostics                                                                    | Wired controller connection                                                         | Build-in Drine Pump                                                                 | Coating BLUE-FIN                                                                    | Silent mode                                                                         |

## Spatial identification of the temperature field

Intelligent control from a human presence sensor and high-temperature field recognition accuracy help avoid cold drafts. When the system detects that there is no one in the room, it will automatically adjust the set temperature; if there is no one in the room for a long time, the unit will turn off.

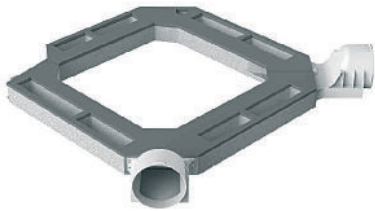


## Circular air distribution

A wide range of air flow, more uniform temperature distribution and greater comfort.



The additional fresh air supply kit can effectively mix 8~10 % fresh air and improve indoor comfort



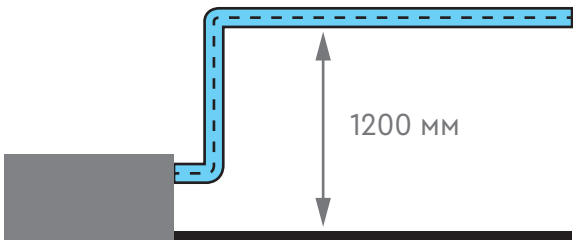
## Independent control of oscillations of louvers

The four air louvres can be controlled independently of each other, and by setting the direction of the air on all sides, there will be no direct entry of air into the working area.



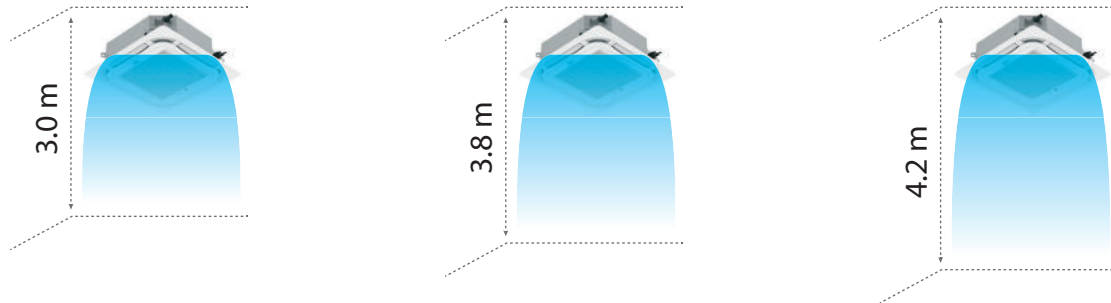
## Standard equipment drainage pump

The pressure of the pump for condensate removal can be up to 1200 mm, and the height of the vertical installation of the unit can be flexibly adjusted depending on the installation requirements.



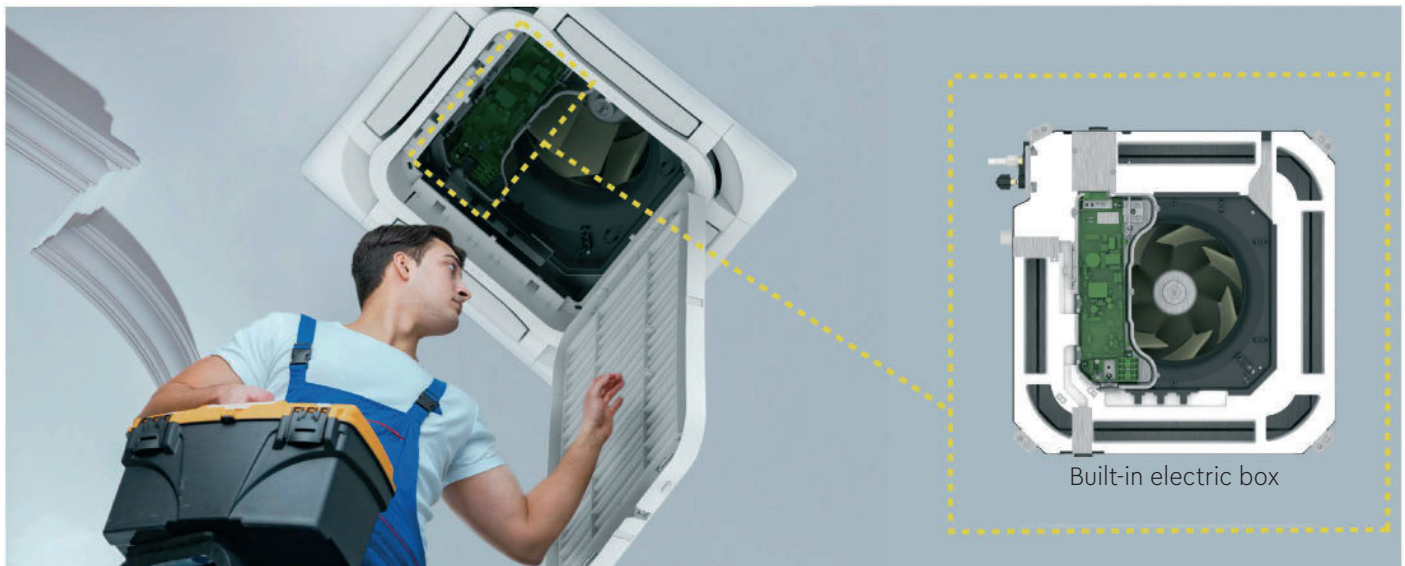
## Convenient for high ceilings

Cassette units offer 11 different fan speeds to choose from. During installation, you can select the appropriate fan speed according to the ceiling height to ensure a comfortable air supply distance.



## Electric Box Designed for Easy Disassembly and Servicing

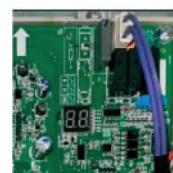
Built-in electric box is standard for the entire product range. To carry out maintenance, just open the grill – there is no need to remove the ceiling, saving time and labor.



## Convenient for Wiring and Piping



Automatic fault diagnosis: equipped with a microcomputer, the unit can automatically diagnose faults and display corresponding codes (on the LED panel of the indoor unit, the main board of the outdoor unit and the wired controller) for easy maintenance.



**Easy connection:** wires can be connected by detaching the handle. There is no need to open the front panel.

**Easy pipe connections:** the entire range offers external valves, all with protective caps, for easy pipe connections.

**Built-in front cover:** simple appearance, fewer components, easy to disassemble.

| Model IDU                 |                                   |         | CH-IC035RK2     | CH-IC050RK2     | CH-IC071RK2       | CH-IC085RK2         | CH-IC100RK2         |               |
|---------------------------|-----------------------------------|---------|-----------------|-----------------|-------------------|---------------------|---------------------|---------------|
| Model ODU                 |                                   |         | CH-IU035RK2     | CH-IU050RK2     | CH-IU071RK2       | CH-IU085RK2         | CH-IU100RK2         |               |
| Capacity                  | Cooling                           | kW      | 3.5             | 5.0             | 7.1               | 8.5                 | 10.5                |               |
|                           |                                   | Btu/h   | 11900           | 17000           | 24200             | 29000               | 35800               |               |
|                           | Heating                           | kW      | 4.0             | 5.6             | 7.8               | 8.8                 | 11.5                |               |
|                           |                                   | Btu/h   | 13600           | 19100           | 26600             | 30000               | 39200               |               |
| EER/COP                   |                                   |         | 3.80/4.00       | 3.40/3.50       | 3.50/3.90         | 3.40/3.90           | 3.40/3.90           |               |
| SEER/SCOP                 |                                   |         | 7.10/4.20       | 6.60/4.00       | 6.70/4.30         | 6.90/4.30           | 6.60/4.40           |               |
| Energy efficiency grade   |                                   |         | A++/A+          | A++/A+          | A++/A+            | A++/A+              | A++/A+              |               |
| Power supply              |                                   | V/Hz/Ph | ~220-240/50/1   |                 |                   |                     |                     |               |
| Power input               | Cooling                           | kW      | 0.92            | 1.47            | 2.03              | 2.50                | 3.10                |               |
|                           | Heating                           | kW      | 1.00            | 1.60            | 2.00              | 2.25                | 2.95                |               |
| Current input             | Cooling                           | A       | 4.40            | 7.00            | 9.70              | 11.40               | 14.80               |               |
|                           | Heating                           | A       | 4.80            | 7.65            | 9.60              | 10.30               | 14.10               |               |
| Refrigerant charge volume |                                   | kg      | 0.57            | 0.85            | 1.50              | 1.50                | 2.10                |               |
| Indoor unit               | Air flow volume<br>(SH/H/M/L)     | CFM     | 353/324/294/235 | 424/383/353/294 | 647/588/529/470   | 824/765/647/588     | 883/824/710/589     |               |
|                           |                                   | m³/h    | 600/550/500/400 | 720/650/600/500 | 1100/1000/900/800 | 1400/1300/1100/1000 | 1500/1400/1200/1000 |               |
|                           | Sound pressure                    |         | dB(A)           | 36/35/33/29     | 43/41/39/35       | 39/38/36/34         | 47/46/42/38         | 43/41/39/38   |
|                           | Dimension<br>(WxDx H)             | Outline | mm              | 570x570x260     | 570x570x260       | 840x840x200         | 840x840x200         | 840x840x240   |
|                           |                                   | Package | mm              | 698x653x295     | 698x653x295       | 943x923x245         | 943x923x245         | 933x903x272   |
|                           | Net weight/Gross weight           |         | kg              | 16.5/21.0       | 16.5/21.0         | 21.0/27.0           | 21.0/27.0           | 23.0/29.0     |
| Panel                     | Model                             |         | TF05            |                 |                   |                     | TF06                |               |
|                           | Outline dimension<br>(WxOxH)      |         | mm              | 620x620x47.5    | 620x620x47.5      | 950x950x52          | 950x950x52          | 950x950x52    |
|                           | Package dimension<br>(WxOxH)      |         | mm              | 693x693x115     | 693x693x115       | 1033x1020x110       | 1033x1020x110       | 1033x1020x110 |
|                           | Net weight/Gross weight           |         | kg              | 3.0/4.5         | 3.0/4.5           | 6.0/9.5             | 6.0/9.5             | 6.0/9.5       |
|                           | Sound pressure level              |         | dB(A)           | 48              | 52                | 55                  | 57                  | 57            |
| Outdoor unit              | Dimension<br>(WxDxH)              | Outline | mm              | 675x285x553     | 745x300x555       | 889x340x660         | 889x340x660         | 940x370x820   |
|                           |                                   | Package | mm              | 794x376x605     | 872x398x609       | 1032x456x730        | 1032x456x730        | 1093x497x885  |
|                           | Net weight/Gross weight           |         | kg              | 24.5/27.0       | 30.5/33.0         | 41.5/45.0           | 46.0/50.0           | 65.0/72.0     |
| Connecting pipe           | Outdoor diameter<br>(Liquid pipe) |         | inch            | 1/4"            | 1/4"              | 3/8"                | 3/8"                | 3/8"          |
|                           | Outdoor diameter<br>(Gas pipe)    |         | inch            | 3/8"            | 1/2"              | 5/8"                | 5/8"                | 5/8"          |
|                           | Max. distance<br>(Height/Length)  |         | m               | 15/30           | 20/30             | 20/30               | 25/30               | 30/75         |

| Model IDU                 |                                   |         | CH-IC125RK2   | CH-IC140RK2         | CH-IC100RK2         | CH-IC125RK2         | CH-IC140RK2         | CH-IC160RK2         |                     |
|---------------------------|-----------------------------------|---------|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Model ODU                 |                                   |         | CH-IU125RK2   | CH-IU140RK2         | CH-IU100RM2         | CH-IU125RM2         | CH-IU140RM2         | CH-IU160RM2         |                     |
| Capacity                  | Cooling                           | kW      | 12.1          | 13.4                | 10.5                | 12.1                | 13.4                | 14.5                |                     |
|                           |                                   | Btu/h   | 41200         | 45700               | 35800               | 41200               | 45700               | 49400               |                     |
|                           | Heating                           | kW      | 13.5          | 15.5                | 11.5                | 13.5                | 15.5                | 17.0                |                     |
|                           |                                   | Btu/h   | 46000         | 52900               | 39200               | 46000               | 52900               | 58000               |                     |
| EER/COP                   |                                   |         | 3.10/3.40     | 2.91/3.30           | 3.40/3.90           | 3.10/3.40           | 2.91/3.30           | 2.74/2.98           |                     |
| SEER/SCOP                 |                                   |         | 6.10/4.10     | 6.30/4.00           | 6.60/4.40           | 6.10/4.10           | 6.30/4.00           | 6.10/4.00           |                     |
| Energy efficiency grade   |                                   |         | A++/A+        | A++/A+              | A++/A+              | A++/A+              | A++/A+              | A++/A+              |                     |
| Power supply              |                                   | V/Hz/Ph | ~220-240/50/1 |                     |                     | ~380-415/50/3       |                     |                     |                     |
| Power input               | Cooling                           | kW      | 3.90          | 4.60                | 3.10                | 3.90                | 4.60                | 5.30                |                     |
|                           | Heating                           | kW      | 3.97          | 4.70                | 2.95                | 3.97                | 4.70                | 5.70                |                     |
| Current input             | Cooling                           | A       | 18.60         | 21.00               | 4.90                | 6.20                | 7.00                | 9.00                |                     |
|                           | Heating                           | A       | 19.00         | 21.50               | 4.70                | 6.30                | 7.10                | 8.20                |                     |
| Refrigerant charge volume |                                   | kg      | 2.25          | 2.80                | 2.10                | 2.25                | 2.80                | 3.50                |                     |
| Indoor unit               | Air flow volume<br>(SH/H/M/L)     |         | CFM           | 1000/883/765/647    | 1177/1059/942/824   | 883/824/710/589     | 1000/883/765/647    | 1177/1059/942/824   | 1354/1235/1118/941  |
|                           |                                   |         | m³/h          | 1700/1500/1300/1100 | 2000/1800/1600/1400 | 1500/1400/1200/1000 | 1700/1500/1300/1100 | 2000/1800/1600/1400 | 2300/2100/1900/1600 |
|                           | Sound pressure                    |         | dB(A)         | 48/46/43/39         | 50/48/45/41         | 43/41/39/38         | 48/46/43/39         | 50/48/45/41         | 52/50/48/44         |
|                           | Dimension<br>(WxDx H)             | Outline | mm            | 840x840x240         | 840x840x290         | 840x840x240         | 840x840x240         | 840x840x290         | 840x840x290         |
|                           |                                   | Package | mm            | 933x903x272         | 933x903x335         | 933x903x272         | 933x903x272         | 933x903x335         | 933x903x335         |
| Net weight/Gross weight   |                                   | kg      | 23.0/29.0     | 25.0/32.0           | 23.0/29.0           | 23.0/29.0           | 25.0/32.0           | 26.0/33.0           |                     |
| Panel                     | Model                             |         | TF06          |                     |                     |                     |                     |                     |                     |
|                           | Outline dimension<br>(WxOxH)      |         | mm            | 950x950x52          | 950x950x52          | 950x950x52          | 950x950x52          | 950x950x52          | 950x950x52          |
|                           | Package dimension<br>(WxOxH)      |         | mm            | 1033x1020x110       | 1033x1020x110       | 1033x1020x110       | 1033x1020x110       | 1033x1020x110       | 1033x1020x110       |
|                           | Net weight/Gross weight           |         | kg            | 6.0/9.5             | 6.0/9.5             | 6.0/9.5             | 6.0/9.5             | 6.0/9.5             | 6.0/9.5             |
| Outdoor unit              | Sound pressure level              |         | dB(A)         | 58                  | 59                  | 57                  | 58                  | 59                  | 60                  |
|                           | Dimension<br>(WxDxH)              | Outline | mm            | 940x370x820         | 940x370x820         | 940x370x820         | 940x370x820         | 940x370x820         | 990x370x960         |
|                           |                                   | Package | mm            | 1093x497x885        | 1093x497x885        | 1093x497x885        | 1093x497x885        | 1093x497x885        | 1153x478x1110       |
|                           | Net weight/Gross weight           |         | kg            | 66.0/73.0           | 73.0/80.0           | 75.0/82.0           | 76.0/83.0           | 81.0/88.0           | 94.0/103.0          |
| Connecting pipe           | Outdoor diameter<br>(Liquid pipe) |         | inch          | 3/8"                | 3/8"                | 3/8"                | 3/8"                | 3/8"                | 3/8"                |
|                           | Outdoor diameter<br>(Gas pipe)    |         | inch          | 5/8"                | 5/8"                | 5/8"                | 5/8"                | 5/8"                | 5/8"                |
|                           | Max. distance<br>(Height/Length)  |         | m             | 30/75               | 30/75               | 30/75               | 30/75               | 30/75               | 30/75               |