

HITACHI

# airCore 700

## Whole-Home Air Conditioning

Ducted single split systems

Cooling & Heating



6 YEAR  
WARRANTY



The **airCore 700** stands as Hitachi’s flagship residential ducted split system range. It delivers outstanding cooling and heating performance, showcasing a wide capacity range and efficient operation in diverse ambient temperatures, while guaranteeing uncompromised comfort.

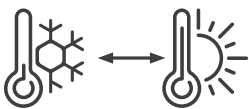
Utilising **R32** refrigerant, **airCore 700** units have a lower global warming potential compared to R410A refrigerant products.



INDOOR UNIT  
FROSTWASH



WI-FI CONTROL  
OPTION



WIDE AMBIENT OPERATING RANGE  
-20°C IN WINTER  
+52°C IN SUMMER



PREMIUM ZONE  
CONTROL OPTION



BACKLIT COLOURED  
CONTROLLER



7-DAY OPERATION  
SCHEDULING



ENERGY USAGE  
MONITORING



NIGHT QUIET  
OPERATION



POWER SAVING  
SETTING



RANGE TO SUIT  
MOST HOMES



DRED 1, 2 & 3  
COMPATIBLE



R32  
REFRIGERANT



# Contents

## Product Lineup

## Performance & Maintenance

- 05 | Extreme Temperature Operation
- 06 | FrostWash™ Self-Cleaning Technology

## Controllers & Apps

- 07 | Advance Controls
- 09 | Wi-Fi Controls

## Premium Zoning Systems

- 11 | Premium Zoning Ducted Systems

## Specifications

- 13 | Features & Options
- 15 | Standard Home (Mid-Static Pressure) Ducted Specification
- 17 | Large Home (High-Static Pressure) Ducted Specification



## Peace of Mind with a 6 Year Warranty

The **airCore 700** ducted split range comes with a comprehensive **6 Year Warranty** on parts and labour, so you can be assured of the reliability and quality of your **airCore 700** system.

# airCore 700 Ducted Systems

## Product Lineup

### Nominal Cooling/Heating Capacity

Cooling Capacity Range (Min-Max)  
Heating Capacity Range (Min-Max)

| 5.0/6.0 kW | 6.0/7.5 kW | 7.2/8.6 kW  | 10.0/11.5* kW | 12.5/14.0 kW | 14.0/16.0* kW | 16.0/18.0 kW |
|------------|------------|-------------|---------------|--------------|---------------|--------------|
| 1.5~6.0 kW | 1.5~7.5 kW | 2.5~8.6 kW  | 3.2~12.0 kW   | 4.0~14.2 kW  | 5.0~16.0 kW   | 6.0~18.0 kW  |
| 1.5~7.5 kW | 1.5~9.0 kW | 3.5~10.4 kW | 3.5~14.0 kW   | 4.0~16.2 kW  | 5.5~18.0 kW   | 6.5~20.0 kW  |

### Indoor Unit

Ducted

Mid-Static Pressure  
(Standard Homes)

|                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| PPIM-2.0UFA1NQ                                                                      | PPIM-2.5 UFA1NQ                                                                      | PPIM-3.0UFA1NQ                                                                        | PPIM-4.0UFA1NQ                                                                        | PPIM-5.0UFA1NQ                                                                        | PPIM-6.0UFA1NQ                                                                        |

High-Static Pressure  
(Large Homes)

|                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| PPIH-3.0UFA1NQ                                                                        | PPIH-4.0UFA1NQ                                                                        | PPIH-5.0UFA1NQ                                                                        | PPIH-6.0UFA1NQ                                                                        | PPIH-6.5UFA1NQ                                                                        |

### Outdoor Unit

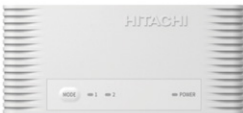
PAS-\*\*UFASNQ1 (Single Phase)  
PAS-\*\*UFASMQ1 (Three Phase)

|                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| PAS-2.0UFASNQ1                                                                      | PAS-2.5UFASNQ1                                                                       | PAS-3.0UFASNQ1                                                                        | PAS-4.0UFASNQ1<br>PAS-4.0UFASMQ1                                                      | PAS-5.0UFASNQ1<br>PAS-5.0UFASMQ1                                                      | PAS-6.0UFASNQ1<br>PAS-6.0UFASMQ1                                                      | PAS-6.5UFASNQ1<br>PAS-6.5UFASMQ1                                                      |

### Controllers



PC-ARFG2-Z Controller all indoor units



GA-WFG Wi-Fi module optional  
all indoor units



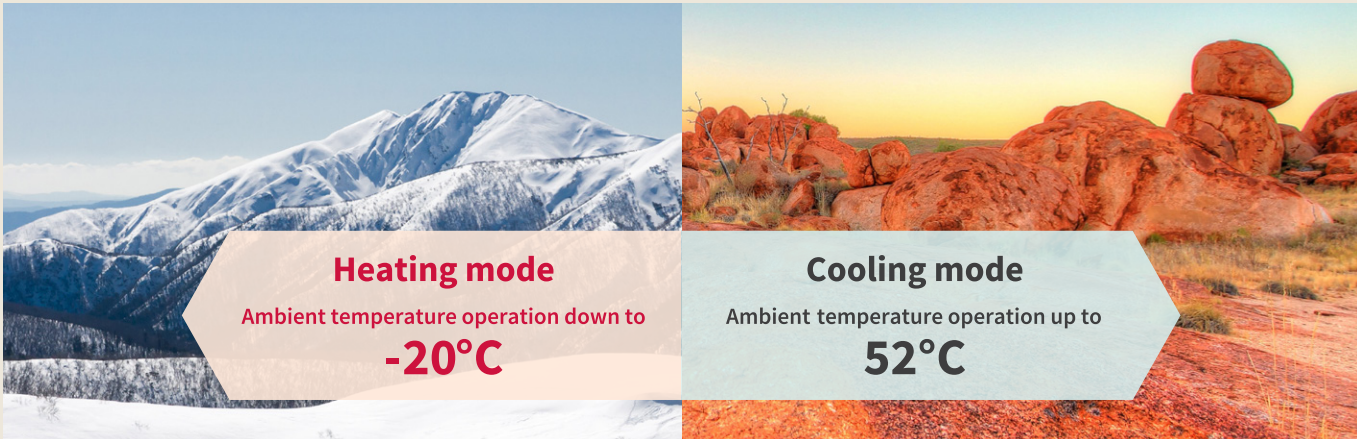
**With Premium Zone Kit:** GC-ZKT Zone Thermostat + PC-ARFG2-Z  
Zone Controller available on all ducted units (See Page 11)

\* PPIH-4.0UFA1NQ 12.5 kW Heating. PPIH-6.0UFA1NQ 16.5 kW Heating.

# Extreme Temperature Operation

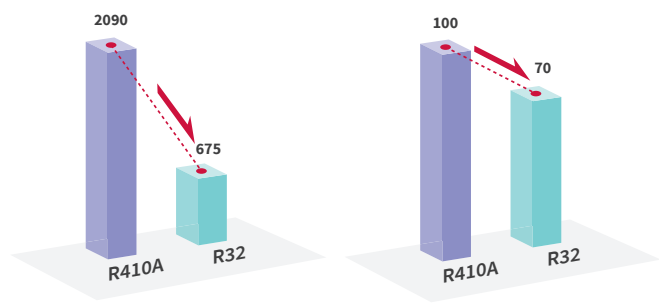
## Wide Operation Range

Designed for the harshest conditions, Hitachi **airCore 700** units are designed to operate in ambient temperatures from -20°C to 52°C to ensure you're always comfortable, whatever the weather.



## R32 Low GWP Refrigerant

Reducing environmental impact, **airCore 700** systems use R32 refrigerant which has a lower global warming potential (GWP) than traditional R410A refrigerant.

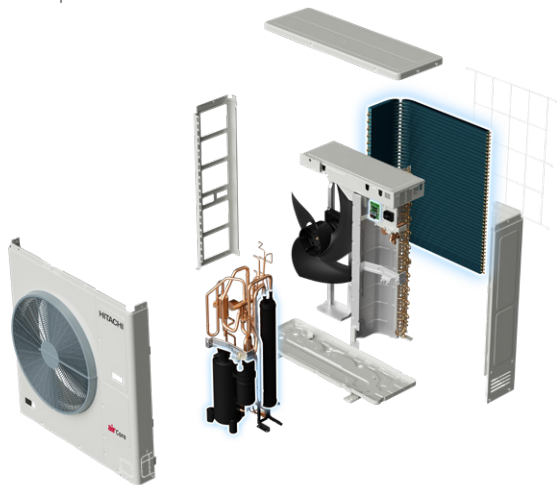


|            | Global Warming Potential | Charge Ratio % |
|------------|--------------------------|----------------|
| <b>R32</b> | <b>675</b>               | <b>70</b>      |
| R410A      | 2,090                    | 100            |

## Energy Efficient Precise Comfort

To achieve superior efficiency of pre-heating in low ambient conditions and reducing startup time, Hitachi's new R32 DC inverter compressors incorporate Hitachi's exclusive compressor control technology with advanced multi-pulse control.

For improved unit efficiency, **airCore 700** heat exchangers incorporate a new fin shape design and an improved refrigerant path.



For more accurate temperature control, **airCore 700** units feature high precision electronic expansion valves.

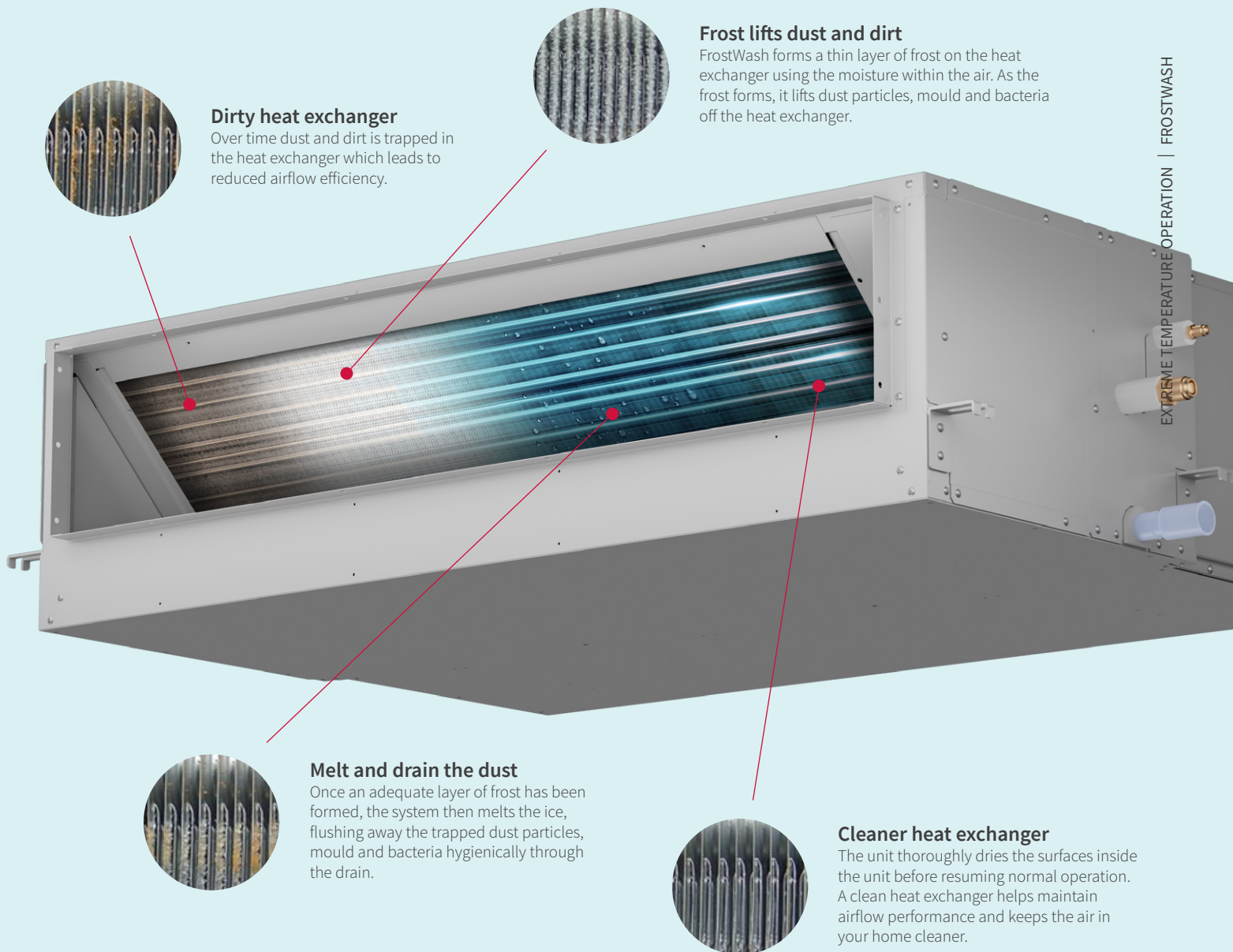
# FrostWash™ Self-Cleaning Technology



## airCore 700 Ducted Indoor Units

All indoor ducted units are equipped with FrostWash. FrostWash freezes the dirt and dust trapped in the indoor unit heat exchanger, which is drained away with the condensate when it defrosts – effectively cleaning the heat exchanger and helping to safeguard long-term performance by maintaining good airflow.

FrostWash can be activated manually or automatically at scheduled intervals.



# Advanced Control



### Award winning...

- Colour screen
- 0.5°C temperature setting
- Visual interface
- Simple navigation
- Feature rich



## airPoint Room 700

MODEL PC-ARFG2-Z

### Functions

|                              |                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function Menu                | Simple Timer                                                                                                                                                       |
|                              | Operation Schedule                                                                                                                                                 |
|                              | Power Saving Setting                                                                                                                                               |
|                              | Night Quiet Operation                                                                                                                                              |
|                              | Power Saving/Night Quiet Schedule                                                                                                                                  |
|                              | Power Consumption Display                                                                                                                                          |
|                              | AutoBoost *                                                                                                                                                        |
|                              | Motion Sensor Setting **                                                                                                                                           |
|                              | Setback Setting                                                                                                                                                    |
|                              | Filter Clean Reminder                                                                                                                                              |
| Screen Display Setting       | FrostWash Setting                                                                                                                                                  |
|                              | Adjust Date/Time                                                                                                                                                   |
|                              | Run Indicator Brightness                                                                                                                                           |
|                              | Display Adjustment                                                                                                                                                 |
|                              | Temperature                                                                                                                                                        |
|                              | Keypad Touch Sound                                                                                                                                                 |
|                              | Language Setting<br>Chinese (Simplified/Traditional),<br>Japanese, English (°C/°F), French,<br>Portuguese, Spanish<br>(English only with Premium<br>Zoning System) |
| Premium Zone Kit<br>Function | Zone Selection                                                                                                                                                     |
|                              | Zone Operation Setting                                                                                                                                             |
|                              | Zone Set Temperature Setting                                                                                                                                       |
|                              | Zone Schedule                                                                                                                                                      |

### Display Adjustment

| Function             | Action                                 |
|----------------------|----------------------------------------|
| Backlight Brightness | Adjust the brightness of the backlight |
| Backlight Dim Time   | Dim Backlight after inactivity         |
| Backlight Off Time   | Turn Backlight off after inactivity    |
| Screen Theme         | Set screen theme as light or dark      |

\*Not available with premium zoning system  
\*\*Motion sensor setting requires optional motion sensors installed

### Power Consumption Display

**Power consumption displays** the power consumption of the outdoor unit compressor. The value of each displayed in Graph/List format is 1 day (every 2 hrs.), 1 week (7 days), and 1 year (12 months).

### Operation Schedule Setting

**Operation schedule** function is a 7-day timer used to automatically start or stop the unit operation at the set time. The temperature can also be set. Up to 5 schedules can be set for each day of the week including scheduling for a holiday, six days in advance.

### Power Savings Setting

**Power Savings** setting helps reduce energy consumption with low, medium or high settings available. .

### Night Quiet Operation

**Night Quiet Operation** significantly reduces the noise levels of the outdoor unit and offers the feature to schedule Night Quiet Operation for indoor units.

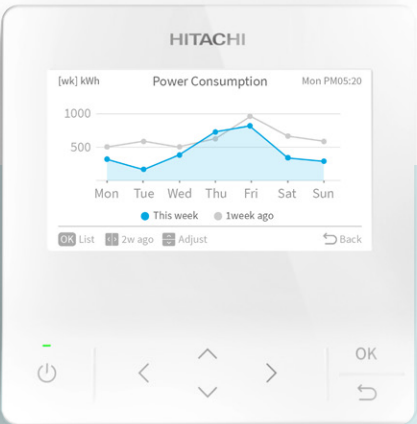
### Power Saving/Night Quiet Schedule

**Power Saving/Night Quiet Schedule** setting starts and stops power savings control and operation noise reduction control at the desired time. Up to 5 Power saving/night quiet schedules can be set for each day of the week.

### AutoBoost Setting\*

**AutoBoost** function provides powerful cooling and heating for 30 minutes once the operation starts to rapidly cool or heat your home.

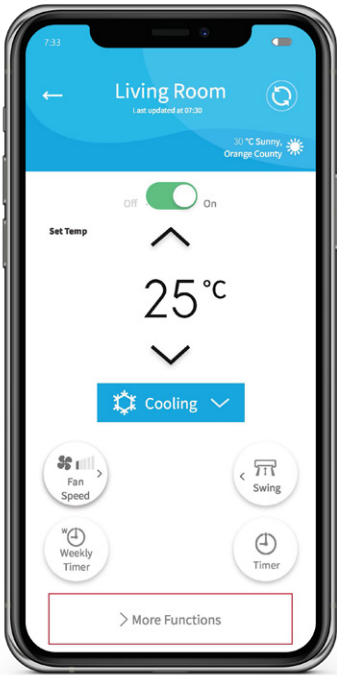
\*Not available with premium zoning system



### Setback Setting

**Setback** setting is designed to maintain a minimum level of comfort in a room when it is not occupied reducing unnecessary power usage.

# Wi-Fi Control



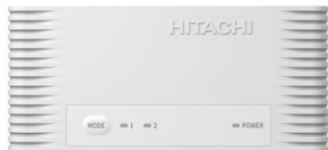
## airCloud Go

### Smarter Air From Anywhere

Connect your Hitachi AC to **airCloud Go** via Wi-Fi and remotely control individual indoor units or premium zoning systems.

More **airCloud Go** features for better indoor climate control from the convenience of your phone

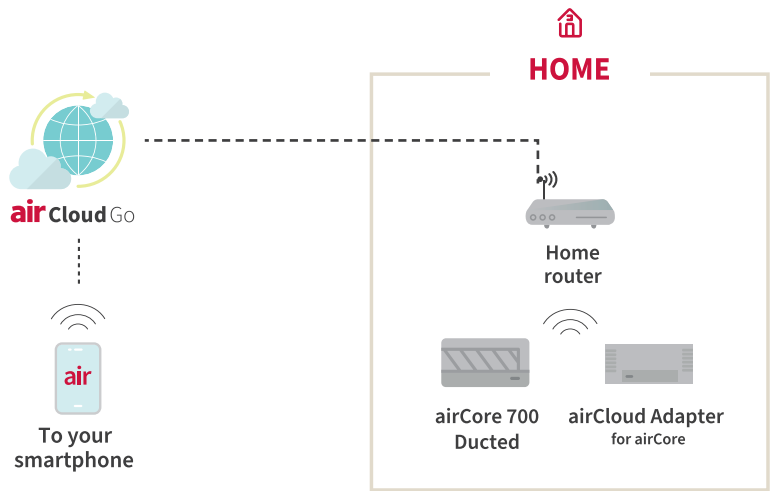
- Turn the air conditioner on/off and set the desired temperature and fan speed.
- Program your air conditioning operation with the Simple Timer and/or Weekly Timer.
- Pair your account with unlimited air conditioners.
- Invite up to 20 users to manage each air conditioner.



### airCloud Adapter

MODEL (GA-WFG)

**airCloud** Adapter is compatible with the **airCloud** Go App, enabling remote control of **airCore 700** ducted systems.



### Command with your voice

Connect with your smart speaker.

**airCloud Go** is fully-compatible with Amazon Alexa and Google Assistant, enabling you to change the temperature hands-free while you cook, clean, or exercise.

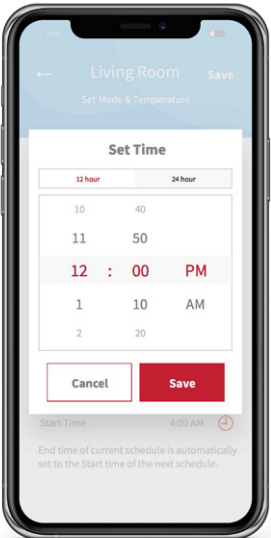
Amazon Echo

Google Home

### Plan to save energy

Intuitive scheduling options work around your needs

Use the simple timer before bed and save energy while you sleep, and use the weekly timer to schedule AC operation around your daily routine.



\***airCloud Go** SmartFence & energy monitoring not available with **airCore 700**

# Premium Zoning Systems

## with Modulating Damper Control

The Premium Zoning Kit is compatible with the **airCore 700** ducted system, designed for both standard home (mid-static pressure) and large home (high-static pressure) indoor units.

### Individual Room Temperature Setpoint

Allows connection of up to 8 zones with individual temperature setpoints for each zone. Zone's can be fitted with their own thermostats for comfort control.

### Capable of optimising airflow into each zone

Optimising comfort with modulating damper control for each zone and regulates airflow based on set point temperature on thermostat.

### Zoning Control

- PC-ARFG2-Z controller enables central control of all zones through the **Premium Zoning Kit**. When enabled, the home screen with zone control icon and set temperature in each zone will be displayed.
- Monitoring all individual zone status** is available from the zone control screen. ON/OFF, Set temperature, Fan speed can be set for each individual zone from PC-ARFG2-Z.
- Weekly operation schedule** can be set to control the zoning system. Individual zones can be selected to program different operation times and temperatures in each.

#### Apps

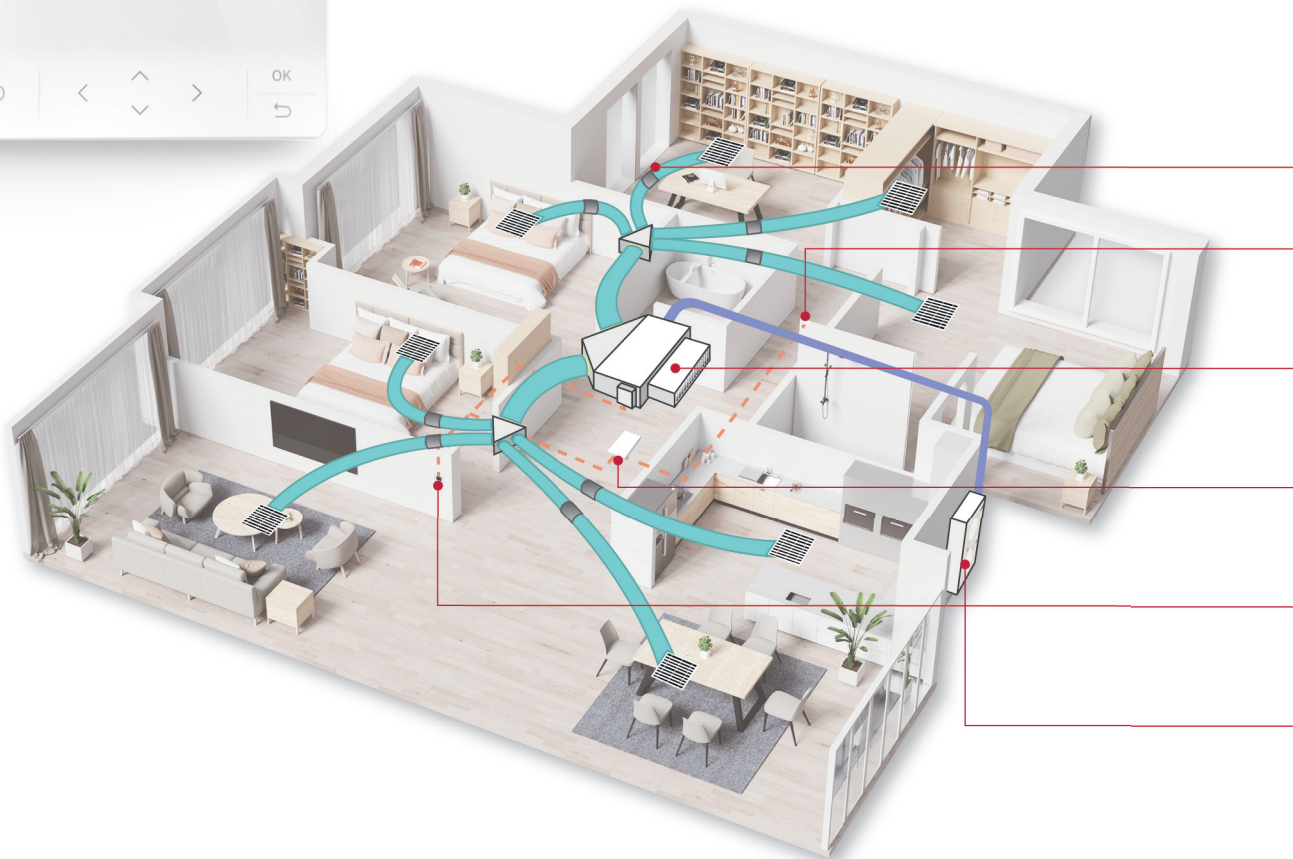
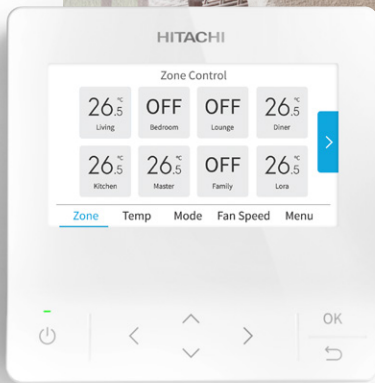


airCloud Go



#### Remotely control premium zoning system by airCloud Go.

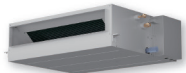
- Control your AC from anywhere
- Schedule operation times
- Control cooling and heating for each zone



Damper



Thermostat



Ducted Indoor Unit (IDU)



Zone Interface Box (ZIB)



Wired Remote Controller (WRC)



Outdoor Unit (ODU)

Features & Options

|                                                 | STANDARD HOME<br>MID- STATIC | LARGE HOME<br>HIGH-STATIC |
|-------------------------------------------------|------------------------------|---------------------------|
| 6 Year Warranty                                 | •                            | •                         |
| Indoor Unit Frostwash                           | •                            | •                         |
| Wi-Fi Control Option                            | ■                            | ■                         |
| 52°C High Ambient Temperature Cooling Operation | •                            | •                         |
| -20°C Low Ambient Temperature Heating Operation | •                            | •                         |
| Premium Zone Kit Option                         | ■                            | ■                         |
| Power Usage Monitoring                          | •                            | •                         |
| Backlit Coloured Display Wall Controller        | •                            | •                         |
| AutoBoost Setting **                            | •                            | •                         |
| On/Off Timer                                    | •                            | •                         |
| 7-Day Operation Scheduling                      | •                            | •                         |
| Power Saving Setting                            | •                            | •                         |
| Night Quiet Operation                           | •                            | •                         |
| Power Saving/Night Quiet Scheduling             | •                            | •                         |
| Setback Setting                                 | •                            | •                         |
| Dry Mode Operation                              | •                            | •                         |
| Automatic Fan Speed                             | •                            | •                         |
| Automatic Operation (Cool/Heat) *               | •                            | •                         |
| Auto Restart Function                           | •                            | •                         |
| Set Temperature Auto Reset *                    | •                            | •                         |
| Temperature Setpoint Limits *                   | •                            | •                         |
| +/- 0.5°C Temperature Setting                   | •                            | •                         |
| Child Keypad Lock                               | •                            | •                         |
| Self-Diagnostics                                | •                            | •                         |
| Filter Clean Reminder                           | •                            | •                         |
| Motion Sensor Option                            | ■                            | ■                         |
| DRED 1, 2 & 3 Compatible                        | •                            | •                         |
| Room/Zone Naming                                | •                            | •                         |
| NFC Setup *                                     | •                            | •                         |
| Auto ESP Adjustment                             | •                            | •                         |

\*Must be activated through the controller at installation

\*\*Not available with premium zoning system

- Standard
- Optional Accessory



Hitachi Ducted Single Split Systems

FEATURES & OPTIONS



# Specifications

## STANDARD HOME (MID-STATIC PRESSURE) DUCTED

| IDU<br>ODU                                |                                                 |         | PPIM-2.0UFA1NQ<br>PAS-2.0UFASNQ1 | PPIM-2.5UFA1NQ<br>PAS-2.5UFASNQ1 | PPIM-3.0UFA1NQ<br>PAS-3.0UFASNQ1 | PPIM-4.0UFA1NQ<br>PAS-4.0UFASNQ1 | PPIM-4.0UFA1NQ<br>PAS-4.0UFASMQ1 | PPIM-5.0UFA1NQ<br>PAS-5.0UFASNQ1 | PPIM-5.0UFA1NQ<br>PAS-5.0UFASMQ1 | PPIM-6.0UFA1NQ<br>PAS-6.0UFASNQ1 | PPIM-6.0UFA1NQ<br>PAS-6.0UFASMQ1 |
|-------------------------------------------|-------------------------------------------------|---------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Power supply (Indoor)                     |                                                 | V/Ph/Hz | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             |
| Power supply (Outdoor)                    |                                                 | V/Ph/Hz | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             |
| Cooling                                   | Rated Capacity                                  | kW      | 5.0                              | 6.0                              | 7.2                              | 10.0                             | 10.0                             | 12.5                             | 12.5                             | 14.0                             | 14.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 1.5~6.0                          | 1.5~7.5                          | 2.5~8.6                          | 3.2~12.0                         | 3.2~12.0                         | 4.0~14.2                         | 4.0~14.2                         | 5.0~16.0                         | 5.0~16.0                         |
| Heating                                   | Rated Capacity                                  | kW      | 6.0                              | 7.5                              | 8.6                              | 11.5                             | 11.5                             | 14.0                             | 14.0                             | 16.0                             | 16.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 1.5~7.5                          | 1.5~9.0                          | 3.5~10.4                         | 3.5~14.0                         | 3.5~14.0                         | 4.0~16.2                         | 4.0~16.2                         | 5.5~18.0                         | 5.5~18.0                         |
| AEER                                      | Cooling                                         |         | 3.82                             | 3.73                             | 3.83                             | 4.03                             | 3.65                             | 3.74                             | 3.71                             | 3.31                             | 3.29                             |
| ACOP                                      | Heating                                         |         | 4.05                             | 3.59                             | 4.34                             | 3.92                             | 3.90                             | 3.85                             | 3.82                             | 3.66                             | 3.64                             |
| TCSPF(Cooling)<br>Residential             | Hot                                             |         | 5.14                             | 5.03                             | 5.05                             | 5.09                             | 4.71                             | 5.20                             | 5.03                             | 4.75                             | 4.66                             |
|                                           | Average                                         |         | 4.51                             | 4.50                             | 4.57                             | 4.54                             | 4.12                             | 4.69                             | 4.43                             | 4.34                             | 4.19                             |
|                                           | Cold                                            |         | 4.57                             | 4.58                             | 4.66                             | 4.58                             | 4.12                             | 4.83                             | 4.50                             | 4.51                             | 4.31                             |
| HSPF(Heating)<br>Residential              | Hot                                             |         | 5.00                             | 4.76                             | 5.17                             | 5.16                             | 4.92                             | 5.04                             | 4.93                             | 4.78                             | 4.73                             |
|                                           | Average                                         |         | 4.35                             | 4.06                             | 4.10                             | 3.85                             | 3.84                             | 4.29                             | 4.23                             | 4.13                             | 3.72                             |
|                                           | Cold                                            |         | 3.67                             | 3.44                             | 3.42                             | 3.16                             | 3.22                             | 3.59                             | 3.56                             | 3.51                             | 3.14                             |
| Indoor Unit                               | External Static Pressure Range                  | Pa      | 35~185                           | 35~185                           | 35~185                           | 50~200                           | 50~200                           | 60~210                           | 60~210                           | 60~215                           | 60~215                           |
|                                           | Air Flow Range                                  | L/s     | 160~350                          | 160~350                          | 290~500                          | 350~630                          | 350~630                          | 360~680                          | 360~680                          | 410~730                          | 410~730                          |
|                                           | Sound Pressure Level<br>[Hi2/Hi1/Hi/Med/Lo/SLo] | dB[A]   | 39/36/34/30/24/21.5              | 39/36/34/30/24/21.5              | 38/36/34/31/26/24                | 41/39/36/34/30/27                | 41/39/36/34/30/27                | 43/40/38/36/30/28                | 43/40/38/36/30/28                | 45/44/40/38/35/32                | 45/44/40/38/35/32                |
|                                           | Sound Power Level                               | dB[A]   | 49                               | 49                               | 49                               | 53                               | 53                               | 54                               | 54                               | 56                               | 56                               |
|                                           | Dimension [W×H×D]                               | mm      | 900(+75)×270×720                 | 900(+75)×270×720                 | 1100(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                |
|                                           | Supply Air Spigot [W×H]                         | mm      | 834x140                          | 834x140                          | 1038x197                         | 1338x197                         | 1338x197                         | 1338x197                         | 1338x197                         | 1338x197                         | 1338x197                         |
|                                           | Return Air Spigot [W×H]                         | mm      | 857x227                          | 857x227                          | 1049x258                         | 1350x258                         | 1350x258                         | 1350x258                         | 1350x258                         | 1350x258                         | 1350x258                         |
|                                           | Net/Gross Weight                                | kg      | 30/36                            | 30/36                            | 40/47                            | 48/56                            | 48/56                            | 48/56                            | 48/56                            | 48/56                            | 48/56                            |
| Outdoor Unit                              | Sound Pressure Level-Cooling                    | dB[A]   | 53                               | 53                               | 53                               | 56                               | 56                               | 56                               | 56                               | 56                               | 56                               |
|                                           | Sound Pressure Level-Heating                    | dB[A]   | 54                               | 54                               | 54                               | 57                               | 57                               | 57                               | 57                               | 57                               | 57                               |
|                                           | Sound Pressure Level-Night                      | dB[A]   | 51                               | 51                               | 51                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               |
|                                           | Dimension [W×H×D]                               | mm      | 900×665×320                      | 900×665×320                      | 900×665×320                      | 950×990×320                      | 950×990×320                      | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     |
|                                           | Net/Gross Weight                                | kg      | 42.0/45.5                        | 42.0/45.5                        | 44.0/48.0                        | 86.5/100.5                       | 86.5/100.5                       | 98.5/109.0                       | 98.5/109.0                       | 108.0/118.5                      | 108.0/118.5                      |
| Refrigerant type                          | Type                                            |         | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              |
|                                           | Charge                                          | kg      | 1.2                              | 1.2                              | 1.4                              | 3.0                              | 3.0                              | 3.1                              | 3.1                              | 3.4                              | 3.4                              |
| Refrigerant pipe                          | Liquid side/Gasside                             | mm      | Φ6.35/Φ12.7                      | Φ6.35/Φ12.7                      | Φ6.35/Φ12.7                      | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     |
|                                           | Max. pipe length                                | m       | 50                               | 50                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               |
|                                           | Max. Height difference                          | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
|                                           | Add Refrigerant Amount                          | g/m     | 18                               | 18                               | 18                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               |
|                                           | Chargeless                                      | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
| Guaranteed Temperature<br>Operation Range | Cooling                                         | °C (db) | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            |
|                                           | Heating                                         | °C (wb) | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         |

# Specifications

## LARGE HOME (HIGH-STATIC PRESSURE) DUCTED

| IDU<br>ODU                                |                                                 |         | PPIH-3.0UFA1NQ<br>PAS-3.0UFASNQ1 | PPIH-4.0UFA1NQ<br>PAS-4.0UFASNQ1 | PPIH-4.0UFA1NQ<br>PAS-4.0UFASMQ1 | PPIH-5.0UFA1NQ<br>PAS-5.0UFASNQ1 | PPIH-5.0UFA1NQ<br>PAS-5.0UFASMQ1 | PPIH-6.0UFA1NQ<br>PAS-6.0UFASNQ1 | PPIH-6.0UFA1NQ<br>PAS-6.0UFASMQ1 | PPIH-6.5UFA1NQ<br>PAS-6.5UFASNQ1 | PPIH-6.5UFA1NQ<br>PAS-6.5UFASMQ1 |
|-------------------------------------------|-------------------------------------------------|---------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Power supply (Indoor)                     |                                                 | V/Ph/Hz | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50HzV            |
| Power supply (Outdoor)                    |                                                 | V/Ph/Hz | 220~240V / 1Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             | 220~240V / 1Ø / 50Hz             | 380~415V / 3Ø / 50Hz             |
| Cooling                                   | Rated Capacity                                  | kW      | 7.2                              | 10.0                             | 10.0                             | 12.5                             | 12.5                             | 14.0                             | 14.0                             | 16.0                             | 16.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 2.5~8.6                          | 3.2~12.0                         | 3.2~12.0                         | 4.0~14.2                         | 4.0~14.2                         | 5.0~16.0                         | 5.0~16.0                         | 6.0~18.0                         | 6.0~18.0                         |
| Heating                                   | Rated Capacity                                  | kW      | 8.6                              | 12.5                             | 12.5                             | 14.0                             | 14.0                             | 16.5                             | 16.5                             | 18.0                             | 18.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 3.5~10.4                         | 3.5~14.0                         | 3.5~14.0                         | 4.0~16.2                         | 4.0~16.2                         | 5.5~18.0                         | 5.5~18.0                         | 6.5~20.0                         | 6.5~20.0                         |
| AEER                                      | Cooling                                         |         | 3.60                             | 3.73                             | 3.70                             | 3.74                             | 3.72                             | 3.65                             | 3.64                             | 3.21                             | 3.20                             |
| ACOP                                      | Heating                                         |         | 4.09                             | 3.85                             | 3.82                             | 4.28                             | 4.25                             | 4.09                             | 4.07                             | 3.85                             | 3.84                             |
| TCSPF(Cooling)<br>Residential             | Hot                                             |         | 5.24                             | 5.01                             | 4.83                             | 5.14                             | 4.83                             | 4.65                             | 4.69                             | 4.46                             | 4.79                             |
|                                           | Average                                         |         | 4.72                             | 4.47                             | 4.20                             | 4.65                             | 4.29                             | 4.26                             | 4.21                             | 4.12                             | 4.33                             |
|                                           | Cold                                            |         | 4.89                             | 4.55                             | 4.22                             | 4.78                             | 4.34                             | 4.34                             | 4.27                             | 4.27                             | 4.51                             |
| HSPF(Heating)<br>Residential              | Hot                                             |         | 5.72                             | 4.54                             | 5.04                             | 4.78                             | 4.83                             | 4.59                             | 4.44                             | 4.56                             | 4.67                             |
|                                           | Average                                         |         | 4.17                             | 3.60                             | 3.86                             | 4.22                             | 4.24                             | 3.76                             | 3.68                             | 3.66                             | 3.72                             |
|                                           | Cold                                            |         | 3.37                             | 3.05                             | 3.22                             | 3.57                             | 3.57                             | 3.22                             | 3.16                             | 3.11                             | 3.15                             |
| Indoor Unit                               | External Static Pressure Range                  | Pa      | 35~270                           | 50~290                           | 50~290                           | 60~285                           | 60~285                           | 60~295                           | 60~295                           | 60~310                           | 60~310                           |
|                                           | Air Flow Range                                  | L/s     | 374~640                          | 421~745                          | 421~745                          | 500~820                          | 500~820                          | 500~850                          | 500~850                          | 500~900                          | 500~900                          |
|                                           | Sound Pressure Level<br>[Hi2/Hi1/Hi/Med/Lo/SLo] | dB[A]   | 46/44/40/38/34/31                | 48/47/43/41/37/34                | 48/47/43/41/37/34                | 50/48/45/43/41/38                | 50/48/45/43/41/38                | 51/49/47/45/41/39                | 51/49/47/45/41/39                | 52/50/47/45/41/39                | 52/50/47/45/41/39                |
|                                           | Sound Power Level                               | dB[A]   | 57                               | 62                               | 62                               | 63                               | 63                               | 64                               | 64                               | 65                               | 65                               |
|                                           | Dimension [W×H×D]                               | mm      | 1076×350×800                     | 1076×350×800                     | 1076×350×800                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     |
|                                           | Supply Air Spigot [W×H]                         | mm      | 980x222                          | 980x222                          | 980x222                          | 1204x222                         | 1204x222                         | 1204x222                         | 1204x222                         | 1204x222                         | 1204x222                         |
|                                           | Return Air Spigot [W×H]                         | mm      | 934x308                          | 934x308                          | 934x308                          | 1135x308                         | 1135x308                         | 1135x308                         | 1135x308                         | 1135x308                         | 1135x308                         |
|                                           | Net/Gross Weight                                | kg      | 54/62                            | 54/62                            | 54/62                            | 79/88                            | 79/88                            | 79/88                            | 79/88                            | 79/88                            | 79/88                            |
| Outdoor Unit                              | Sound Pressure Level-Cooling                    | dB[A]   | 53                               | 56                               | 56                               | 56                               | 56                               | 56                               | 56                               | 57                               | 57                               |
|                                           | Sound Pressure Level-Heating                    | dB[A]   | 54                               | 57                               | 57                               | 57                               | 57                               | 57                               | 57                               | 59                               | 59                               |
|                                           | Sound Pressure Level-Night                      | dB[A]   | 51                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               |
|                                           | Dimension [W×H×D]                               | mm      | 900×665×320                      | 950×990×320                      | 950×990×320                      | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     |
|                                           | Net/Gross Weight                                | kg      | 44.0/48.0                        | 86.5/100.5                       | 86.5/100.5                       | 98.5/109.0                       | 98.5/109.0                       | 108.0/118.5                      | 108.0/118.5                      | 108.0/118.5                      | 108.0/118.5                      |
| Refrigerant type                          | Type                                            |         | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              |
|                                           | Charge                                          | kg      | 1.4                              | 3.0                              | 3.0                              | 3.1                              | 3.1                              | 3.4                              | 3.4                              | 3.4                              | 3.4                              |
| Refrigerant pipe                          | Liquid side/Gas side                            | mm      | Φ6.35/Φ12.7                      | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     |
|                                           | Max. pipe length                                | m       | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               |
|                                           | Max. Height difference                          | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
|                                           | Add Refrigerant Amount                          | g/m     | 18                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               |
|                                           | Chargeless                                      | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
| Guaranteed Temperature<br>Operation Range | Cooling                                         | °C (db) | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            |
|                                           | Heating                                         | °C (wb) | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         | -20~15.5                         |

## Temperzone

### AUSTRALIA

[nswsales@temperzone.com](mailto:nswsales@temperzone.com)  
Sydney: (02) 8822 5700

[vicsales@temperzone.com](mailto:vicsales@temperzone.com)  
Melbourne: (03) 8769 7600

[qldsales@temperzone.com](mailto:qldsales@temperzone.com)  
Brisbane: (07) 3308 8333

[sasales@temperzone.com](mailto:sasales@temperzone.com)  
Adelaide: (08) 8115 2111

### DISTRIBUTORS

Newcastle: (02) 4962 1155  
Perth: (08) 6399 5900  
Launceston: (03) 6331 4209

### NEW ZEALAND

[nzsales@temperzone.com](mailto:nzsales@temperzone.com)

Auckland: (09) 279 5250  
Wellington: (04) 569 3262  
Christchurch: (03) 379 3216



WARRANTY

Must be maintained in accordance with maintenance recommendations.

Bosch Home Comfort Group  
[www.hitachiaircon.com](http://www.hitachiaircon.com)

Bosch Home Comfort Group  
is a trademark Licensee of  
Hitachi, Ltd.

**[hitachiaircon.com.au](http://hitachiaircon.com.au)**  
**[hitachiaircon.co.nz](http://hitachiaircon.co.nz)**



The specifications of this catalogue may change without prior notice to allow Hitachi Cooling & Heating to incorporate the latest innovations for its customers. The information contained in this catalogue is merely informative. Hitachi Cooling & Heating declines any responsibility in the broadest sense, for damage, direct or indirect, arising from the use and / or interpretation of the recommendations in this catalogue.