

Ducted Systems

Duct-Connection, Medium-Static Pressure Type

These units can be mounted in the ceiling to freely deliver air through the air duct.



Duct-Connection, Low-Static Pressure Type



Duct-Connection, High-Static Pressure Type



An Abundance of Comfortable Features for Stores and Offices



Comfort

Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

Programme Dry

Dehumidification is computer controlled to prevent abrupt and uncomfortable changes in air temperature. Useful for reducing discomforting humidity without uncomfortable cooling of the room.

Hot-Start

Uncomfortable cold air draft is not discharged when heating starts or when switching to heat after defrosting.

Automatic cool/heat change-over (Heat pump only)

Detects any difference in the preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.

Timer selector

Operation starts when the preset time for the ON timer is reached and stops when the preset time for the OFF timer is elapsed.



Work & Servicing

Up to 30 meters pre-charged

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by computer to keep proper gas pressure. Reliability is assured and maintenance and inspection can be carried out more quickly.

Emergency operation

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

Self-diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system, are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.



Control Features

Auto-restart

If there is a power outage while the equipment is running, operation will restart in the same mode as when the power is cut once electricity is restored.

Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

Note: When a wireless remote controller is used, remote control is not possible using 2 remote controllers.

Control by 1 remote controller

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External command control

Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

Central remote control

Optional central remote controller enables centralized control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

Interlock control with HRV

Enables interlock control with external equipment such as heat reclaim ventilation (HRV).



Others

Twin/Triple/Double-twin Multi application

Simultaneously operates 2 to 4 indoor units with a single outdoor unit.

PE fins

The outdoor unit's heat exchanger fin has been specially pretreated with an acrylic PE coating to improve their resistance to salt corrosion and atmospheric pollution.

Adjustable external static pressure

Low-Static Pressure Type



- Ideal for quiet, beautiful living spaces.
- Suitable for condominiums and apartments, houses and hotels, and similar living areas.

Indoor unit	High	Low
FDBG60AVE	42dBA	39dBA

Whisper Quiet

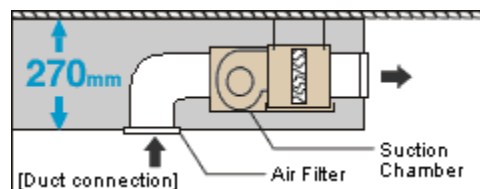
Top class quiet operation.

Durable

The outdoor unit's heat exchanger fin has been specially pretreated with an acrylic PE coating to improve their resistance to salt corrosion and atmospheric pollution.

Easy to Use

Easy to read LCD wired remote controller and wireless remote controller (Only for heat pump).



Easy Installation

Small, lightweight and easy-to-install outdoor unit.

Central Control

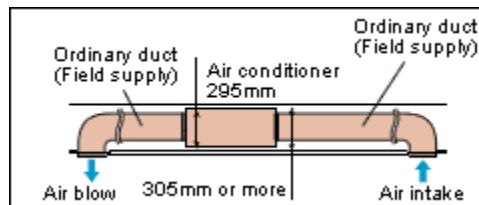
Many options are available for use with large-scale and advanced-function centrally controlled systems.

(Only available for heat pump type units)

Middle-Static Pressure Type



- Compact and quiet, has almost no effect on a room's appearance.
- Suitable for an extensive range of commercial facilities, offices, and homes.



Handy

Compact, 295 mm height design makes installation possible where the ceiling space is limited. (FDYM)

Durable

The outdoor unit's heat exchanger PE fin has been specially pretreated with an acrylic anti-corrosion coating to provide greater resistance against salt damage and atmospheric pollution than ever.

Easy to Use

Easy-to-read LCD wired remote controller and wireless remote controller.

Whisper Quiet

(Tops in the industry at 39dB for the FDYM03FAV1)

Indoor unit with the industry's lowest level of sound.

Central control

Many options are available for use with large-scale and advanced-function centrally controlled systems. (FD(Y) M only)

High-Static Pressure Type



- Compact and quiet, has almost no effect on a room's appearance.
- Suitable for an extensive range of commercial facilities, offices, and homes.

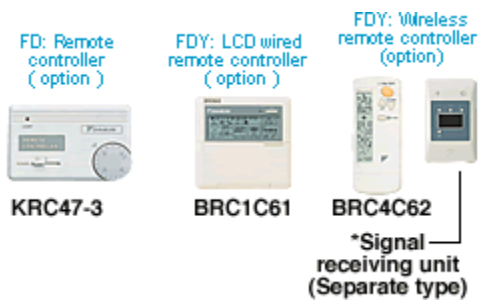
Super Quiet

(At 46dB for the FD03K)

Top class quiet operation.

Durable

Highly durable outdoor unit has PE fins for improved resistance to salt corrosion and atmospheric pollution.



Central control

Many options are available for use with large-scale and advanced-function centrally controlled systems.

* The wireless remote controller and signal receiving unit are sold as a set.

Easy to Use

Easy-to-read LCD wired remote controller and wireless remote controller. (Only available for heat pump type units)