

**DAIKIN**



# OPERATION MANUAL

## **VRV** SYSTEM Inverter Air Conditioners

FXDQ15P7VEB  
FXDQ20P7VEB  
FXDQ25P7VEB  
FXDQ32P7VEB  
FXDQ40P7VEB  
FXDQ50P7VEB  
FXDQ63P7VEB

Thank you for purchasing this Daikin air conditioner.

Carefully read this operation manual before using the air conditioner.

This operation manual is prepared for only the indoor unit. To understand the whole set fully, read this manual together with the operation manual for the outdoor unit.

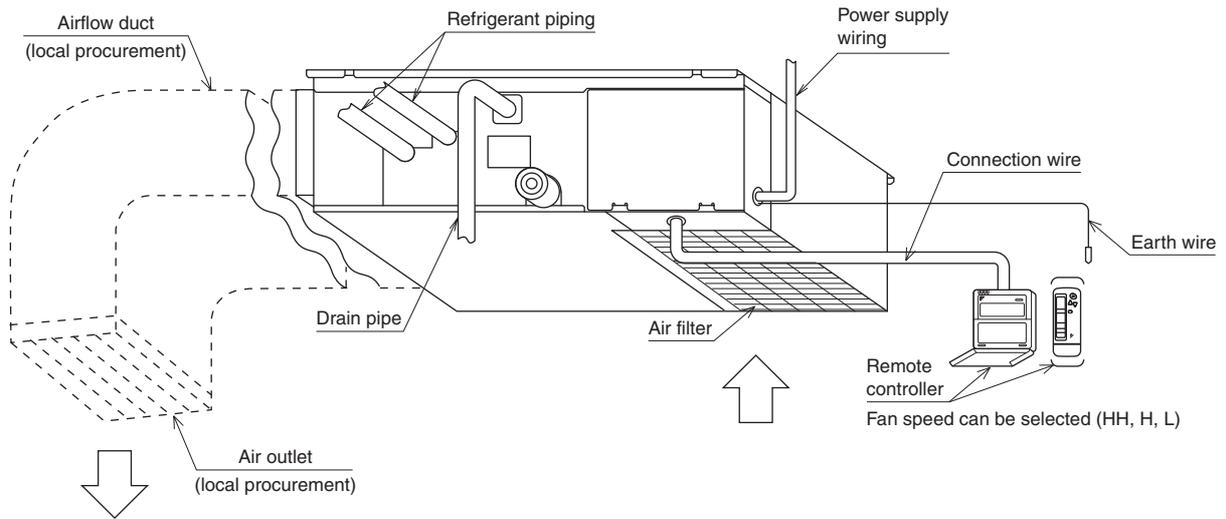
The next items are described in the operation manual for the outdoor unit.

- Part names and functions of remote controller
- Operation procedure
- Troubleshooting

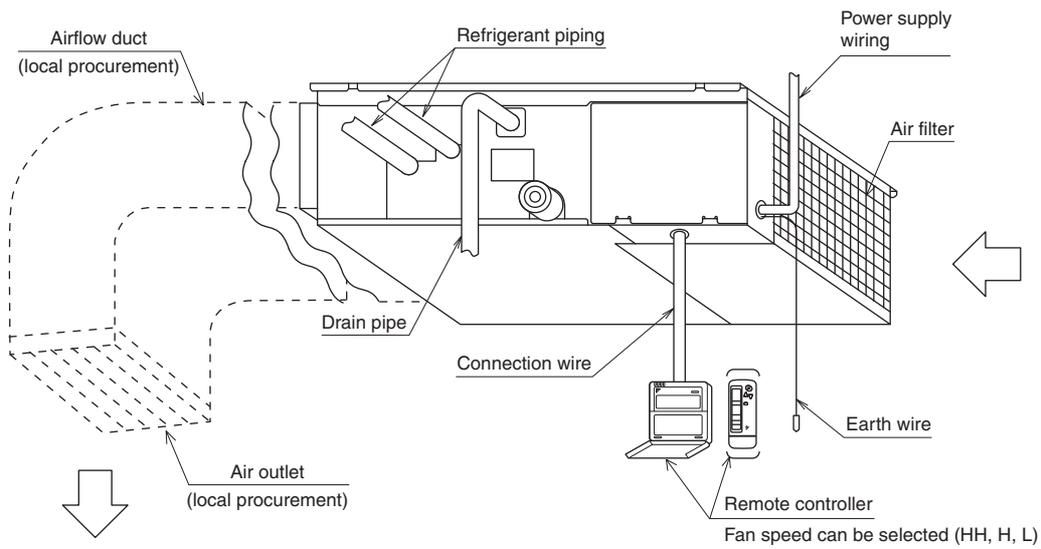
For the warranty card, receive it from your dealer and store it with this operation manual.

# Part name and functions

## In case of suction from bottom side



## In case of suction from back side



The original instructions are written in English. All other languages are translations of the original instructions.

### Important information regarding the refrigerant used

This product contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Refrigerant type: R410A

GWP<sup>(1)</sup> value: 1975

<sup>(1)</sup> GWP = global warming potential

Periodical inspections for refrigerant leaks may be required depending on European or local legislation. Please contact your local dealer for more information.

## Safety precautions

To gain full advantage of the air conditioner's functions and to avoid malfunction due to mishandling, we recommend that you read this instruction manual carefully before use.

- This air conditioner is classified under "appliances not accessible to the general public".
- **The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.**

 **WARNING** ..... Failure to follow these instructions properly may result in personal injury or loss of life.

 **CAUTION** ..... Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

**After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the equipment is transferred to a new user, be sure also to hand over the manual.**

—  **WARNING** —————

- **Consult your local dealer about installation work.**  
Doing the work yourself may result in water leakage, electric shocks or fire hazards.

- **Consult your local dealer regarding modification, repair and maintenance of the air conditioner.**  
Improper workmanship may result in water leakage, electric shocks or fire hazards.
- **Beware of fire in case of refrigerant leakage.**  
If the air conditioner is not operating correctly, i.e. not generating cool or warm air, refrigerant leakage could be the cause.  
Consult your dealer for assistance.  
The refrigerant within the air conditioner is safe and normally does not leak.  
However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas.  
Do not longer use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- **Consult your local dealer regarding relocation and reinstallation of the air conditioner.**  
Improper installation work may result in leakage, electric shocks or fire hazards.
- **This appliance is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**  
Children shall be supervised to ensure that they do not play with the appliance.

—  **CAUTION** —————

- **Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit.**  
Leaves are a hotbed for small animals which can enter the unit. Once in the unit, such animals can cause malfunctions, smoke or fire when making contact with electrical parts.

## Maintenance

—  **WARNING** —————

- **Only a qualified person is allowed to perform maintenance without daily maintenance.**
- **Before touching any of connection wirings, be sure to turn off all power supply switches.**
- **Do not use flammable materials (e.g., hair-spray or insecticide) near the product.**

**Do not clean the product with organic solvents such as paint thinner.**

The use of organic solvents may cause crack damage to the product, electric shocks, or fire.

- **Contact professional personnel about attachment of accessories and be sure to use only accessories specified by the manufacturer.**

If a defect results from your own workmanship, it may result in water leaks, electric shock or fire.

**CAUTION**

- **Before cleaning, be sure to stop unit operation, turn the breaker off or remove the power cord.**

Otherwise, an electric shock and injury may result.

- **Do not wash the air conditioner with water, as this may result in electric shocks or fire.**
- **Consult your dealer regarding cleaning the inside of the air conditioner.**  
Improper cleaning may cause breakage of plastic parts, water leakage and other damage as well as electric shocks.

- **Watch your steps at the time of air filter cleaning or inspection.**  
High-place work is required, to which utmost attention must be paid.  
If the scaffold is unstable, you may fall or topple down, thus causing injury.

⟨Maintenance and inspection⟩

- Clean the drain pan periodically. The drain pipes clogged with dust will cause water leakage.
- For cleaning, consult with your Daikin dealer. (Before each season when cooling or heating is required, clean the air conditioner.)
- If the area around the indoor unit is very dusty, use a dust-proof cover (local procurement).

⟨Cleaning the inside of the indoor unit⟩

- It is necessary to clean the inside of the indoor unit periodically.  
Since the cleaning requires special technologies, request a Daikin dealer to clean them.

**Daily maintenance:**

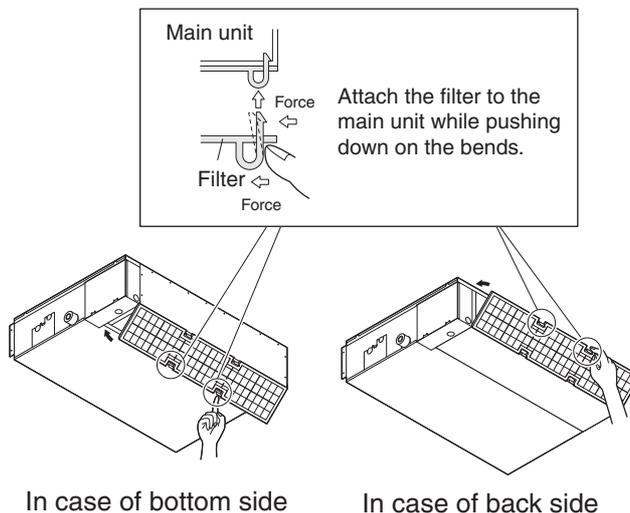
⟨Cleaning the air filter⟩

**Explanation**

- Removing the air filter except when cleaning the air conditioner may result in accidents.
- When the  mark is displayed on the remote controller, please clean the filter.
- When the operating time exceeds the designated time, this mark will be displayed.

- If using the air conditioner under very dusty environment, increase the frequency of air filter cleaning.
- When you want to change the setting time until the  mark is displayed, consult with your dealer.  
(The default factory setting is 2500 hours.)
- There are the following time, display pattern.  
1250, 2500, 5000, 10000

**1. Remove the air filter.**



**2. Clean it.**

**CAUTION**

- Do not wash the air conditioner with hot water of more than 50°C. Doing so may result in discoloration or deformation.
- Never dry the filter by direct firing. Doing so may result in burning.
- For cleaning local procurements, consult with your dealer.

- (1) Use a vacuum cleaner (A) or wash the air filter (B) to remove dust and trash.

- (A) Remove dust and trash using a vacuum cleaner.



- (B) Wash it with water.  
When the air filter is very dirty, use a soft brush and neutral detergent.

↓  
Dewater and dry in the shade.



### 3. Attach the air filter.

### 4. Push the “filter sign reset” button on the remote controller.

The display “” vanishes.

⟨Cleaning the air outlet and exterior⟩

#### ⚠ CAUTION

- Do not use gasoline, benzene, thinner, polishing powder or liquid insecticide.
- Do not use hot water of 50°C or higher, as doing so may result in discoloration or deformation.

- (1) Clean with dry soft cloth.  
(When it is difficult to remove stains, use water or neutral detergent.)

**If the following phenomenon occurs, contact your dealer.**

#### ⚠ WARNING

- **When the air conditioner is malfunctioning (giving off a burning odour, etc.) turn off power to the unit and contact your local dealer.**

Continued operation under such circumstances may result in a failure, electric shocks or fire hazards.

- **Contact your dealer.**

#### Phenomenon

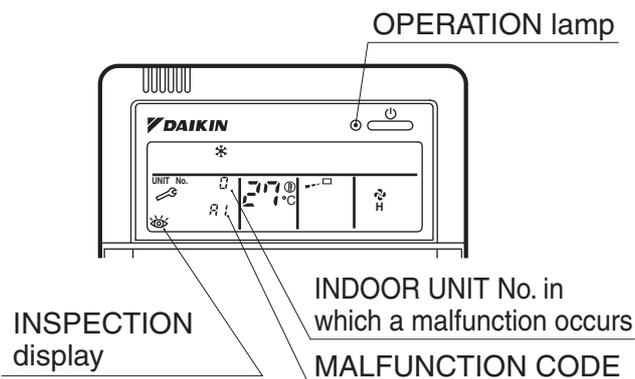
- If a safety device such as a fuse, a breaker or an earth leakage breaker frequently actuates; **Take the following actions before contact.** Do not turn on the main power switch.
- If the ON/OFF switch does not properly work; **Take the following actions before contact.** Turn off the main power switch.

#### Phenomenon

- Water leaks out from the air conditioner. **Take the following actions before contact.** Stop the operation.

#### Phenomenon

- The “OPERATION lamp”, “INSPECTION display” or “UNIT No.” is winking and lit, and “MALFUNCTION CODE” is displayed.



**Take the following actions before contact.** Inform the dealer of the details being displayed on the remote controller.

#### Product type and running noise

Model No.		15	20	25	32	40	50	63
		Model						
Type	Function	Heat pump type						
	Combination system	Separate type						
	Condenser cooling method	Air cooling type						
	Air blowing method	Direct air-blowing type						
	Rated cooling capacity (W)	1700	2200	2800	3600	4500	5600	7100
	Rated heating capacity (W)	1900	2500	3200	4000	5000	6300	8000
Operating sound dB (A) (conversion values under noise-less room)		32	33	33	33	34	35	36

#### Explanation

- The actual value during operation is higher than the indicated value under the influence of environmental noise and echo.
- The above data is subject to change by means of technological innovation.
- The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

Operating sound for under suction inlet:  
[operating sound for rear side suction inlet] + 5dB.

However, when installation to which the external static pressure becomes low is carried out 5dB or more may go up.

## After-sales service and maintenance

### After-sales service:

#### — **WARNING** —

- **Consult your local dealer regarding modification, repair and maintenance of the air conditioner.**  
Improper workmanship may result in water leakage, electric shocks or fire hazards.
  - **Consult your local dealer regarding relocation and reinstallation of the air conditioner.**  
Improper installation work may result in leakage, electric shocks or fire hazards.
  - **Beware of fire in case of refrigerant leakage.**  
If the air conditioner is not operating correctly, i.e. not generating cool or warm air, refrigerant leakage could be the cause.  
Consult your dealer for assistance.  
The refrigerant within the air conditioner is safe and normally does not leak.  
However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas.  
Do not longer use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- 
- **When asking your dealer to repair, inform related staff of the details as follows:**
    - Product No. of air conditioner:  
Refer to the warranty card.
    - Shipping date and installation date:  
Refer to the warranty card.
    - Malfunction:  
Inform the staff of the defective details.  
(Malfunction code being displayed on the remote controller.)
    - Name, address, telephone number
  - **Repair where the warranty term is expired**  
Contact your dealer. If necessary to repair, pay service is available.
  - **Minimum storage period of important parts**  
Even after a certain type of air conditioner is discontinued, we at Daikin have the related important parts in stock for 9 years at least.  
The important parts indicate parts essential to operate the air conditioner.
  - **Maintenance and inspection**  
Since dust collects after using the unit for several years, the performance will be deteriorated to some extent.  
It is recommended to request the technical staff to perform maintenance (pay service). For further details, consult with your dealer.

- **Where to call**  
For after-sales service, etc., consult with your dealer.
- **When disposing the air conditioner, removing/installing and maintaining it, collect the refrigerant.**



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