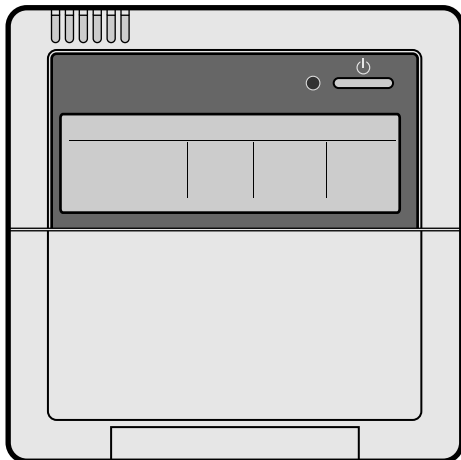


DAIKIN

OPERATION MANUAL

VRV III System air conditioner



MODEL

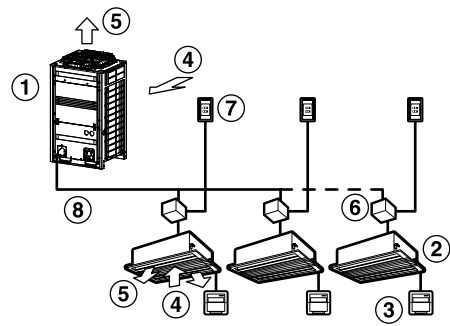
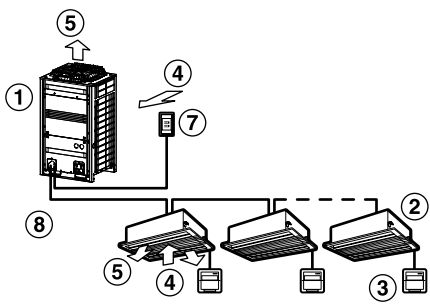
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RXYQ192PYDN	REYQ192PYDN
RXYQ216PYDN	REYQ216PYDN
RXYQ240PYDN	REYQ240PYDN
RXYQ72PTJU	REYQ72PTJU
RXYQ96PTJU	REYQ96PTJU
RXYQ120PTJU	REYQ120PTJU
RXYQ144PTJU	REYQ144PTJU
RXYQ168PTJU	REYQ168PTJU
RXYQ192PTJU	REYQ192PTJU
RXYQ216PTJU	REYQ216PTJU
RXYQ240PTJU	REYQ240PTJU

Read these instructions carefully before installation.
Keep this manual in a handy place for future reference.
This manual should be left with the equipment owner.

English

Français

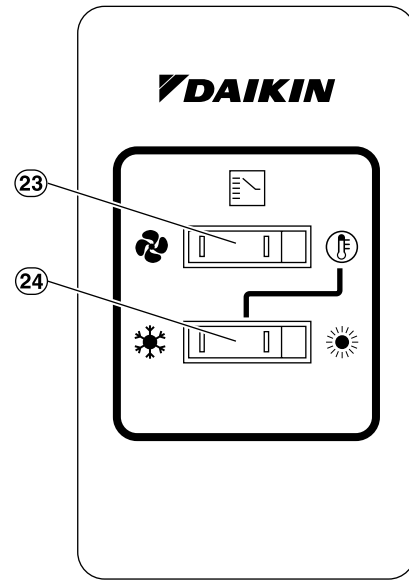
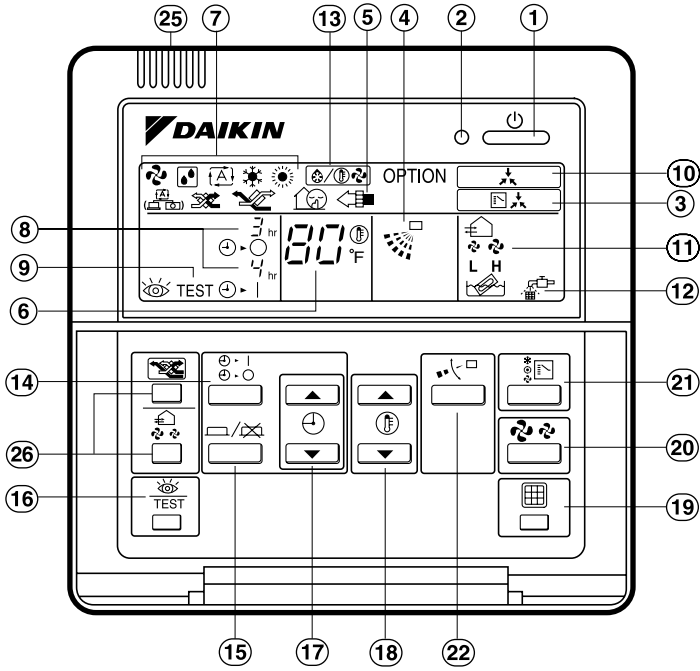
Español



1

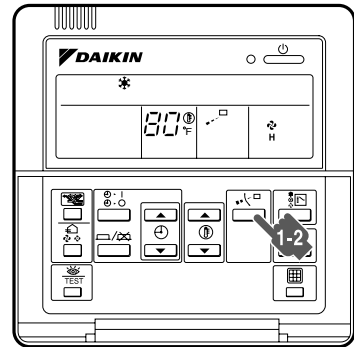
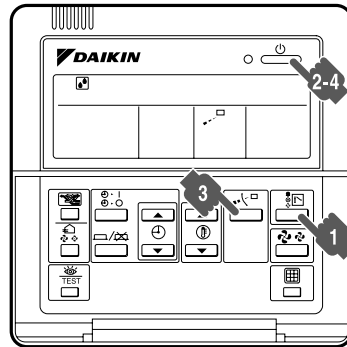
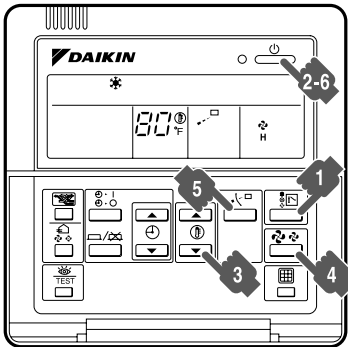
RXYQ

REYQ



2

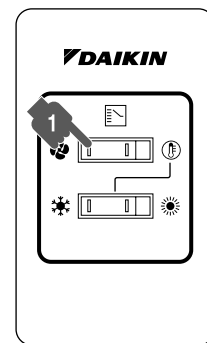
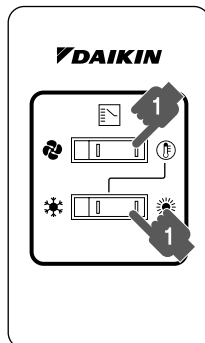
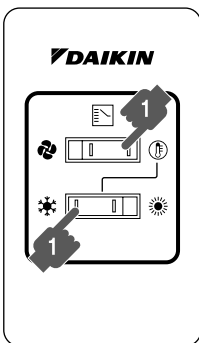
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4

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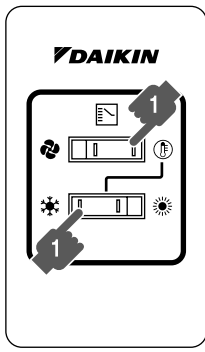
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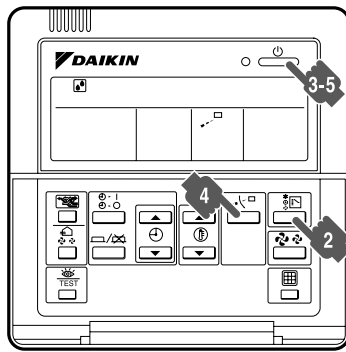
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7-2

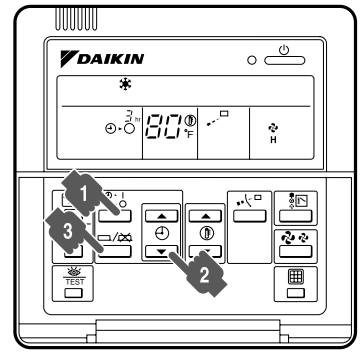
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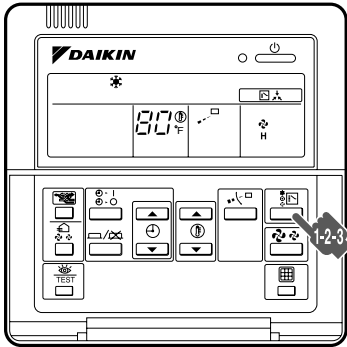
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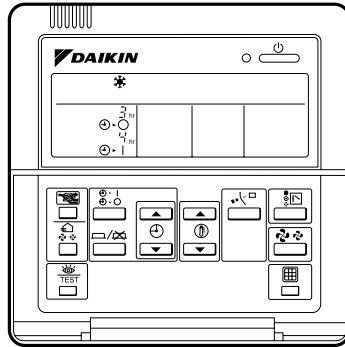
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10

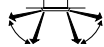


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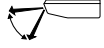


12

Double-flow + Multi-flow



Ceiling Suspended



Wall Mounted



13-1

Corner



Double-flow + Multi-flow



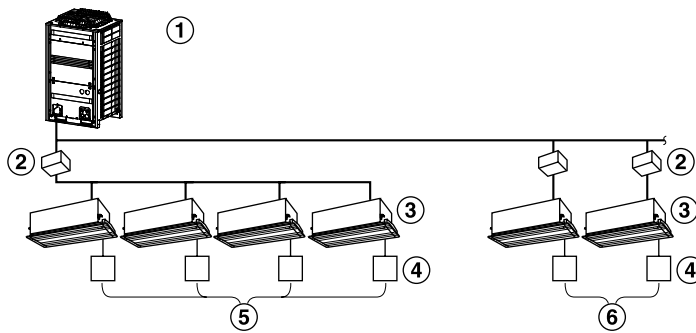
Ceiling Suspended



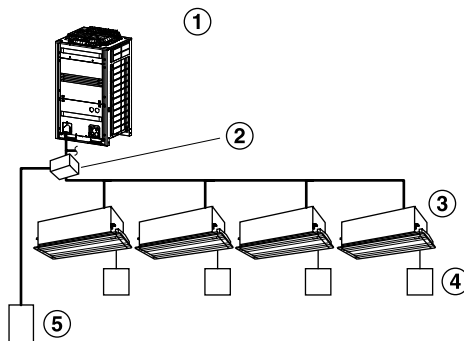
Wall Mounted



13-2



14



15

RXYQ72PYDN	RXYQ216PYDN	REYQ168PYDN	RXYQ72PTJU	RXYQ216PTJU	REYQ168PTJU
RXYQ96PYDN	RXYQ240PYDN	REYQ192PYDN	RXYQ96PTJU	RXYQ240PTJU	REYQ192PTJU
RXYQ120PYDN	REYQ72PYDN	REYQ216PYDN	RXYQ120PTJU	REYQ72PTJU	REYQ216PTJU
RXYQ144PYDN	REYQ96PYDN	REYQ240PYDN	RXYQ144PTJU	REYQ96PTJU	REYQ240PTJU
RXYQ168PYDN	REYQ120PYDN		RXYQ168PTJU	REYQ120PTJU	
RXYQ192PYDN	REYQ144PYDN		RXYQ192PTJU	REYQ144PTJU	

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1. SAFETY CONSIDERATIONS

Please read these “SAFETY CONSIDERATIONS” carefully before installing the air conditioning unit and be sure to install it correctly. After completing the installation, make sure that the unit operates properly during the test operation.

Please instruct the customer on how to operate the unit and keep it maintained.

Also, inform the customer that this operation manual should be stored along with the installation manual for future reference.

This air conditioner comes under the term “appliances not accessible to the general public”.

Meaning of danger, warning, caution and note symbols.

⚠ DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

⚠ NOTE Indicates a situation that may result in the unit or property-damage-only accidents.

Keep these warning sheets handy so that you can refer to them if needed.

Also, if this unit is transferred to a new user, make sure to hand over this operation manual to the new user.

⚠ DANGER

- **Refrigerant gas may produce a toxic gas if it comes in contact with fire such as from a fan, heater, stove or cooking device. Exposure to this gas could cause severe injury or death.**
- **For refrigerant leakage, consult your dealer.** Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- **Any abnormalities in the operation of the air conditioner such as smoke or fire could result in severe injury or death.** Turn off the power and contact your dealer immediately for instructions.
- **Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.**
- **If equipment utilizing a burner is used in the same room as the air conditioner, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death.** Be sure to ventilate the room sufficiently to avoid this hazard.
- **Safely dispose of the packing materials.** Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries. Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.

⚠ WARNING

- **Be sure to install a ground fault circuit breaker.** Failure to install a ground fault circuit interrupter may result in electric shocks or fire.
- **It is not good for your health to expose your body to the air flow for a long time.**

- **Ask your dealer to install in a machine room that has no water drops by raining. This unit is for indoor use.**
Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.
- **Ask your dealer for improvement, repair, and maintenance.**
Incomplete improvement, repair, and maintenance may result in a water leakage, electric shock, and fire.
- **Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment. Be sure only to use accessories made by Daikin which are specifically designed for use with the equipment and have them installed by a professional.**
- **Ask your dealer to move and reinstall the air conditioner.**
Incomplete installation may result in a water leakage, electric shock, and fire.
- **Never let the indoor unit or the remote controller get wet.**
It may cause an electric shock or a fire.
- **Never use flammable spray such as hair spray, lacquer or paint near the unit.**
It may cause a fire.
- **Never replace a fuse with that of wrong ampere ratings or other wires when a fuse blows out.**
Use of wire or copper wire may cause the unit to break down or cause a fire.
- **Never remove the fan guard of the unit.**
A fan rotating at high speed without the fan guard is very dangerous.
- **Never inspect or service the unit by yourself.**
Ask a qualified service person to perform this work.
- **Cut off all electric waves before maintenance.**
- **To avoid the risk of serious electric shock, never sprinkle or spill water or liquids on the unit.**
- **Do not touch the switch with wet fingers.**
Touching a switch with wet fingers can cause electric shock.
- **Do not allow children to play on or around the unit as they could be injured.**
- **The heat exchanger fins are sharp enough to cut.**
To avoid injury wear gloves or cover the fins while working around them.
- **Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and will cause injury.**
- **Operating the air conditioner with wet hands could result in a shock hazard.**

- **Check the unit stand for damage on a continuous basis, especially if it has been in use for a long time.**
If left in a damaged condition the unit may fall and cause injury.
- **Placing a flower vase or other containers with water or other liquids on the unit could result in a shock hazard or fire if a spill occurs.**
- **Do not touch the air outlet or horizontal blades while the swing flap is in operation because fingers could get caught and injured.**
- **Be sure to establish an earth.**
Do not earth the unit to a utility pipe, arrester, or telephone earth.
Incomplete earth may cause electrical shock, or fire.
A high surge current from lightning or other sources may cause damage to the air conditioner.
- **Never touch the internal parts of the controller.**
Do not remove the front panel because some parts inside are dangerous to touch. In addition, some parts may be damaged to touching. For checking and adjusting internal parts, contact your dealer.

⚠ CAUTION

- **Do not use the air conditioner for other purposes.**
In order to avoid any quality deterioration, do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- **Do not place items under the indoor unit which may be damaged by water.**
Condensation may form if the humidity is above 80% or if the drain outlet gets blocked.
- **Before cleaning, be sure to stop the operation, turn the breaker off or pull out the supply cord.**
Otherwise, an electric shock and injury may result.
- **Never expose little children, plants or animals directly to the air flow.**
Adverse influence to little children, animals and plants may result.
- **Do not wash the air conditioner with excessive water.**
An electric shock or fire may result.
- **Avoid placing the controller in a spot splashed with water.**
Water coming inside the controller may cause an electric leak or may damage the internal electronic parts.
- **Do not operate the air conditioner when using a room fumigation - type insecticide.**
Failure to observe could cause the chemicals to become deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

- **Do not turn off the power immediately after stopping operation.**
Always wait at least five minutes before turning off the power. Otherwise, water leakage and trouble may occur.
- **The appliance is not intended for use by young children or infirm persons without supervision.**
- **The remote controller should be installed in such away that children cannot play with it.**
- **Consult with installation contractor for cleaning the inside of the air conditioner.**
Wrong cleaning may make the plastics parts broken or cause failure of water leakage or electric shock.
- **Do not touch the air inlet or aluminum fin of the air conditioner.**
Otherwise, injury may be caused.
- **Do not place objects in direct proximity of the outside 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.

! NOTE

- **Never press the button of the remote controller with a hard, pointed object.**
The remote controller may be damaged.
 - **Never pull or twist the electric wire of the remote controller.**
It may cause the unit to malfunction.
 - **Do not place appliances which produce open fire in places exposed to the air flow from the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.**
 - **Arrange the drain hose to ensure smooth drainage. Incomplete drainage may cause wetting of the building, furniture etc.**
 - **Do not place the controller exposed to direct sunlight.**
The LCD display may get discolored, failing to display the data.
 - **Do not wipe the controller operation panel with benzine, thinner, chemical dustcloth, etc.**
The panel may get discolored or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. And wipe it with another dry cloth.
 - **Dismantling of the unit, treatment of the refrigerant, oil and eventual other parts, should be done in accordance with the relevant local and national regulations.**
-

[Place of Installation]

- **Make sure that the air conditioner is located in a sufficiently ventilated place not surrounded by obstacles.**
- **Do not use the air conditioner in the following places.**
 - a. Places with a mist of mineral oil, such as cutting oil.
 - b. Locations such as coastal areas where there is a lot of salt in the air.
 - c. Locations such as hot springs resorts where there is a lot of sulfur in the air.
 - d. Locations such as factories where the power voltage varies a lot.
 - e. In cars, boats, and other vehicles.
 - f. Locations such as kitchens where oil may splatter or there is steam in the air.
 - g. Locations where equipment that produces electromagnetic waves is found.
 - h. Places with an acid or alkaline mist.
 - i. Places where fallen leaves are accumulated or weeds grow close together.
- **Take snow protection measures.**
Contact your dealer for the details of snow protection measures, such as the use of a snow protection hood.

[Electrical Work]

- **Do not attempt to conduct electrical work or grounding work unless you are licensed to do so.**
Consult with your dealer for electrical work and grounding work.
- **Use a dedicated circuit for the air conditioner.**

[Pay Attention to Operating Sound]

- **Be sure to use the following places.**
 - a. Places that can sufficiently withstand the weight of the air conditioner and suppress the operating sound and vibration of the air conditioner.
 - b. Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.
- **Make sure that there are no obstacles close to the outside unit.**
Obstacles close to the outside unit may drop the performance of the outside unit or an increase in the operating sound of the outside unit.
- **Consult your dealer if the air conditioner in operation generates unusual noise.**

[Drainage through Drainpipe]

- Make sure that the drainpipe is installed properly to drain water.

If no water is discharged from the drainpipe while the air conditioner is cooling operation, the drainpipe may be clogged with dust or dirt and water leakage from the indoor units may result.

Stop operating the air conditioner and consult your dealer.

2. SPECIFICATIONS

[RXYQ]

Model name	RXYQ72PYDN	RXYQ96PYDN	RXYQ120PYDN
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	460	460	460
Nominal cooling capacity (MBh)	72	96	120
Nominal heating capacity (MBh)	81	108	135
Dimensions HxWxD (inch)	66-1/8x	66-1/8x	66-1/8x
Mass (lb)	36-5/8x30-1/8	36-5/8x30-1/8	36-5/8x30-1/8
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	18.1	19.8	20.1
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	RXYQ144PYDN	RXYQ168PYDN	RXYQ192PYDN
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	460	460	460
Nominal cooling capacity (MBh)	144	168	192
Nominal heating capacity (MBh)	162	189	216
Dimensions HxWxD (inch)	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Mass (lb)	573+573	573+573	573+573
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	18.1+18.1	18.1+19.8	18.1+20.1
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	RXYQ216PYDN	RXYQ240PYDN
Power supply		
Phase	—	3~
Frequency (Hz)	60	60
Voltage (V)	460	460
Nominal cooling capacity (MBh)	216	240
Nominal heating capacity (MBh)	243	270
Dimensions HxWxD (inch)	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Mass (lb)	573+573	573+573
Refrigerant		
type	—	R410A
charge (*1) (lb)	19.8+20.1	20.1+20.1
Design pressure		
High side (psig)	478	478
Low side (psig)	320	320

Model name	RXYQ72PTJU	RXYQ96PTJU	RXYQ120PTJU
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	208-230	208-230	208-230
Nominal cooling capacity (MBh)	72	96	120
Nominal heating capacity (MBh)	81	108	135
Dimensions HxWxD (inch)	66-1/8x36-5/8x30-1/8	66-1/8x36-5/8x30-1/8	66-1/8x36-5/8x30-1/8
Mass (lb)	560	560	560
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	18.1	19.8	20.1
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	RXYQ144PTJU	RXYQ168PTJU	RXYQ192PTJU
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	208-230	208-230	208-230
Nominal cooling capacity (MBh)	144	168	192
Nominal heating capacity (MBh)	162	189	216
Dimensions HxWxD (inch)	66-1/8x51-3/16x30-1/8	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Mass (lb)	747	560+560	560+560
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	24.5	18.1+19.8	18.1+20.1
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	RXYQ216PTJU	RXYQ240PTJU
Power supply		
Phase	—	3~
Frequency (Hz)	60	60
Voltage (V)	208-230	208-230
Nominal cooling capacity (MBh)	216	240
Nominal heating capacity (MBh)	243	270
Dimensions HxWxD (inch)	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Mass (lb)	560+560	560+560
Refrigerant		
type	—	R410A
charge (*1) (lb)	19.8+20.1	20.1+20.1
Design pressure		
High side (psig)	478	478
Low side (psig)	320	320

[REYQ]

Model name	REYQ72PYDN	REYQ96PYDN	REYQ120PYDN
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	460	460	460
Nominal cooling capacity (MBh)	72	96	120
Nominal heating capacity (MBh)	81	108	135
Dimensions HxWxD (inch)	66-1/8x51-1/4x30-1/8	66-1/8x51-1/4x30-1/8	66-1/8x51-1/4x30-1/8
Mass (lb)	732	732	732
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	22.7	23.4	23.8
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	REYQ144PYDN	REYQ168PYDN	REYQ192PYDN
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	460	460	460
Nominal cooling capacity (MBh)	144	168	192
Nominal heating capacity (MBh)	162	189	216
	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Dimensions HxWxD (inch)	(66-1/8x36-5/8x30-1/8)	(66-1/8x36-5/8x30-1/8)	(66-1/8x36-5/8x30-1/8)
Mass (lb)	463+463	463+573	463+573
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	18.1+18.1	18.1+19.8	19.8+19.8
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	REYQ216PYDN	REYQ240PYDN
Power supply		
Phase	—	3~
Frequency (Hz)	60	60
Voltage (V)	460	460
Nominal cooling capacity (MBh)	216	240
Nominal heating capacity (MBh)	243	270
	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Dimensions HxWxD (inch)	(66-1/8x36-5/8x30-1/8)	(66-1/8x36-5/8x30-1/8)
Mass (lb)	573+573	573+573
Refrigerant		
type	—	R410A
charge (*1) (lb)	18.1+20.1	20.1+20.1
Design pressure		
High side (psig)	478	478
Low side (psig)	320	320

Model name	REYQ72PTJU	REYQ96PTJU	REYQ120PTJU
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	208-230	208-230	208-230
Nominal cooling capacity (MBh)	72	96	120
Nominal heating capacity (MBh)	81	108	135
	66-1/8x51-3/16x30-1/8	66-1/8x51-3/16x30-1/8	66-1/8x51-3/16x30-1/8
Dimensions HxWxD (inch)	(66-1/8x51-3/16x30-1/8)	(66-1/8x51-3/16x30-1/8)	(66-1/8x51-3/16x30-1/8)
Mass (lb)	730	730	730
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	22.7	23.4	23.8
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	REYQ144PTJU	REYQ168PTJU	REYQ192PTJU
Power supply			
Phase	—	3~	3~
Frequency (Hz)	60	60	60
Voltage (V)	208-230	208-230	208-230
Nominal cooling capacity (MBh)	144	168	192
Nominal heating capacity (MBh)	162	189	216
	66-1/8x51-3/16x30-1/8	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Dimensions HxWxD (inch)	(66-1/8x51-3/16x30-1/8)	(66-1/8x36-5/8x30-1/8)	(66-1/8x36-5/8x30-1/8)
Mass (lb)	747	450+560	450+560
Refrigerant			
type	—	R410A	R410A
charge (*1) (lb)	24.5	18.1+19.8	18.1+20.1
Design pressure			
High side (psig)	478	478	478
Low side (psig)	320	320	320

Model name	REYQ216PTJU	REYQ240PTJU
Power supply		
Phase	—	3~
Frequency (Hz)	60	60
Voltage (V)	208-230	208-230
Nominal cooling capacity (MBh)	216	240
Nominal heating capacity (MBh)	243	270
	(66-1/8x36-5/8x30-1/8)+	(66-1/8x36-5/8x30-1/8)+
Dimensions HxWxD (inch)	(66-1/8x36-5/8x30-1/8)	(66-1/8x36-5/8x30-1/8)
Mass (lb)	560+560	560+560
Refrigerant		
type	—	R410A
charge (*1) (lb)	19.8+20.1	20.1+20.1
Design pressure		
High side (psig)	478	478
Low side (psig)	320	320

*1: Refrigerant charge at factory shipment

3. WHAT TO DO BEFORE OPERATION

This operation manual is for the following system with standard control. Before initiating operation, contact your Daikin dealer for the operation that corresponds to your system type and mark.

If your installation has a customized control system, ask your Daikin dealer for the operation that corresponds to your system.

Outside units (Refer to figure 1)

	COOL/HEAT selector	Operation modes
Inverter series		
heat pumps RXYQ series <input type="checkbox"/> yes <input type="checkbox"/> no		
Heat recovery series		
heat pumps REYQ series <input type="checkbox"/> yes <input type="checkbox"/> no		

• Names and functions of parts (Refer to figure 1)

1. Outside unit
2. Indoor unit
3. Remote controller
4. Inlet air
5. Outlet air
6. BS unit
7. Cool/Heat selector
8. Refrigerant piping

(figure 1 shows system with Cool/Heat selector)

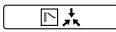






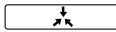


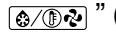
4. REMOTE CONTROLLER AND COOL/HEAT SELECTOR : NAME AND FUNCTION OF EACH SWITCH AND DISPLAY (Refer to figure 2 and 3)





1. On/off button

Press the button and the system will start. Press the button again and the system will stop.

2. Operation lamp (red)

The lamp lights up during operation.

3. **Display “” (changeover under control)**
It is impossible to changeover heat/cool with the remote controller which display this icon.
Refer to the chapter “6-5 SETTING THE MASTER REMOTE CONTROLLER”.
4. **Display “” (air flow flap)**
Refer to the chapter “6-3 ADJUSTING THE AIR FLOW DIRECTION”.
5. **Display “ OPTION ” (ventilation/air cleaning)**
This display shows that the ventilation unit are in operation. (these are optional accessories.)
6. **Display “” (set temperature)**
This display shows the temperature you have set.
7. **Display “” (operation mode)**
This display shows the current operation mode.
8. **Display “” (programmed time)**
This display shows the programmed time of the system start or stop.
9. **Display “ TEST ” (inspection/test operation)**
When the inspection/test operation button is pressed, the display shows the mode in which the system actually is.
10. **Display “” (under centralized control)**
When this display shows, the system is under centralized control. (This is not a standard specification.)
11. **Display “” (fan speed)**
This display shows the fan speed you have selected.
12. **Display “” (time to clean air filter)**
Refer to the operation manual of indoor unit.
13. **Display “” (defrost/hot start)**
Refer to the “EXPLANATION OF HEATING OPERATION” in chapter 6-1.
14. **Timer mode start/stop button**
Refer to the chapter “6-4 PROGRAMMING START AND STOP OF THE SYSTEM WITH TIMER”.
15. **Timer on/off button**
Refer to the chapter “6-4 PROGRAMMING START AND STOP OF THE SYSTEM WITH TIMER”.
16. **Inspection/test operation button**
This button is only used by qualified service persons for maintenance purposes.
17. **Programming time button**
Use this button for setting the programming start and/or stop time.
Refer to the chapter “6-4 PROGRAMMING START AND STOP OF THE SYSTEM WITH TIMER”.

18. **Temperature setting button**
Use this button for setting the desired temperature.
Refer to the chapter “6-1 COOLING, HEATING, AUTOMATIC AND FAN ONLY OPERATION”.
19. **Filter sign reset button**
Refer to the operation manual of indoor unit.
20. **Fan speed control button**
Press this button to select the fan speed of your preference.
21. **Operation mode selector button**
 - Press this button to select the operation mode of your preference.
 - Press this button to designate the master remote controller.
Refer to the chapter “6-5 SETTING THE MASTER REMOTE CONTROLLER”.
22. **Air flow direction adjust button**
Refer to the chapter “6-3 ADJUSTING THE AIR FLOW DIRECTION”.
23. **Fan only/air conditioning selector switch**
Set the switch to “” for fan only operation or to “” for heating or cooling operation.
24. **Cool/heat changeover switch**
Set the switch to “” for cooling operation or to “” for heating operation.
25. **Thermistor**
It senses the room temperature around the remote controller.
26. **These buttons are used when the ventilation unit are installed (These are optional accessories.)**
Refer to the operation manual of the ventilation unit.

-
- NOTE**
- Do not place the controller exposed to direct sunlight. The LCD display may get discolored, failing to display the data.
 - Never pull or twist the electric wire of a remote controller.
It may cause the unit to malfunction.
 - Do not allow sharp or hard items to touch the buttons of the remote controller.
The remote controller may be damaged or breakdown may occur.
 - Contrary to actual operating situations, the display in figure 2 shows all possible indications.
 - Figure 2 shows the remote controller with its cover open.
 - For FXS, FXM, FXL and FXN, the air flow direction adjust button (22) is not available and the display (4) shows “NOT AVAILABLE” when pressed.
-

5. OPERATION RANGE

Use the system in the following temperature and humidity ranges for safe and effective operation.

	COOLING	HEATING
outdoor temperature	23°~110°FDB	0°~60°FWB
indoor temperature	57°~77°FWB	59°~80°FDB
indoor humidity	≤ 80%	—

NOTE





- Cooling operation:
If the air conditioner is operated continuously while the indoor temperature is 70°F or below and the humidity is 80% or over, the interiors of the indoor units may cause icing and water leakage may result.
- Heating operation:
The air conditioner may stop operating for the protection of the machine if the outdoor temperature is 70°F or over.

6. OPERATION PROCEDURE

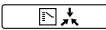

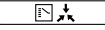
- Operation procedure varies according to the combination of outside unit and remote controller. Read the chapter “What to do before operation”.
- To protect the unit, turn on the main power switch 6 hours before operation.
And do not turn it off during the air conditioning season for starting operation smoothly.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

6-1 COOLING, HEATING, AUTOMATIC AND FAN ONLY OPERATION

FOR SYSTEMS WITHOUT COOL/HEAT SELECTOR (Refer to figure 4)






- 1 Press the operation mode selector button several times and select the operation mode of your choice;
 - “” Cooling operation
 - “” Heating operation
 - “” Automatic operation
 - “” Fan only operation

NOTE

- Automatic operation (REYQ only)
In this operation mode, cool/heat changeover is automatically conducted.
- The operation mode cannot be changed with the remote controller whose display shows “” (changeover under control).
Change the operation mode with the remote controller whose display does not show “”.
- When the display “” (changeover under control) flashes, refer to the chapter “6-5 SETTING THE MASTER REMOTE CONTROLLER”.

- 2 Press the on/off button.
The operation lamp lights up and the system starts operation.

FOR SYSTEMS WITH COOL/HEAT SELECTOR (Refer to figure 4 and 7)

- 1 Select operation mode with the Cool/Heat selector as follows:
 - “” “” Cooling operation (Refer to figure 7.1)
 - “” “” Heating operation (Refer to figure 7.2)
 - “” Fan only operation (Refer to figure 7.3)
- 2 Press the on/off button. (Refer to figure 4)
The operation lamp lights up and the system starts operation.

ADJUSTMENT (Refer to figure 4)

To adjust the desired temperature, fan speed and air flow direction (only for the remote controller BRC1A51: FXF, FXH, FXA), follow the procedure shown below.

- 3 Press the temperature setting button and set the desired temperature.



Each time this button is pressed, the temperature setting rises or lowers 1°F.

NOTE

- Set the temperature within the operation range.
- The temperature setting is impossible for fan only operation.

- 4 Press the fan speed control button and select the fan speed of your preference.

NOTE

- For machine protection the system may control the air flow rate automatically.
 - The air flow rate may be adjusted automatically depending on the room temperature or the fan may stop immediately. This is not a malfunction.
 - It may take sometime for finishing to change the air flow rate.
This is normal operation.
-

- 5 Press air flow direction adjust button. Refer to the chapter “6-3 ADJUSTING THE AIR FLOW DIRECTION” for details.

STOPPING THE SYSTEM (Refer to figure 4)

- 6 Press the on/off button once again. The operation lamp goes off and the system stops operation.

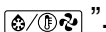
NOTE

- The fan may keep on running for about 1 minute after the heating operation stops for removing the heat in the indoor unit.
 - Do not turn off the power immediately after the unit stops.
The system need at least 5 minutes for residual operation of drain pump device. Turning off the power immediately will cause water leak or trouble.
-


EXPLANATION OF HEATING OPERATION

- For general heating operation, it may take longer to reach the set temperature than in cooling operation. We recommend starting the operation which was used before using timer operation.
- The following operation is performed in order to prevent the heating capacity from dropping or cold air from blowing.

Defrost operation

- In heating operation, freezing of the outside unit coil increases. Heating capability decreases and the system goes into defrost operation.
- The airflow will be set to breeze or stop.
- If stopped, the display of the remote controller shows “”.
- Once the airflow is set to breeze or stop, the air conditioner will return to the previous state in approximately 5 to 15 minutes.

Hot start





- In order to prevent cold air from blowing out of an indoor unit at the start of heating operation, the indoor fan is automatically stopped. The display of the remote controller shows “”.
- The heating capacity drops as the outside temperature falls. If this happens, use another heating device together with the unit. (When using the appliances which produce open fire together, ventilate a room constantly.)
Do not place appliances which produce open fire in places exposed to the air flow from the unit or under the unit.
- It takes some time for the room to warm up from the time the unit is started since the unit is a hot-air circulatory system to warm the entire room.
- If the hot air rises to the ceiling, leaving the area above the floor cold, we recommend using the circulator (the indoor fan for circulating air). Contact your dealer for details.


6-2 PROGRAM DRY OPERATION

- The program dry function deprives the room of moisture while the air conditioner is in intermittent weak cooling operation so that the room temperature will not become too low.
- The microcomputer automatically controls the temperature and fan speed, so these cannot be set using the remote controller.
- This function is not available if the room temperature is 68°F or lower.
- This function does not controls the humidity.
- FXL and FXN type indoor unit can not operate program dry operation.

FOR SYSTEMS WITHOUT COOL/HEAT SELECTOR (Refer to figure 5)

NOTE


- If “” (Cooling operation) is not displayed, refer to “6-1 COOLING, HEATING, AUTOMATIC AND FAN ONLY OPERATION”, and set “” (Cooling operation).
Unless the air conditioner is set to “” (Cooling operation), the air conditioner cannot be switched over to “” (program dry operation).
-

- 1 Press the operation mode selector button several times and select “” (program dry operation).
- 2 Press the on/off button.
The operation lamp lights up and the system starts operation.
- 3 Press the air flow direction adjust button (only for FXF, FXH, FXA). Refer to the chapter “6-3 ADJUSTING THE AIR FLOW DIRECTION” for details.
- 4 Press the on/off button once again.
The operation lamp goes off and the system stops operation.

NOTE

- Do not turn off the power immediately after the unit stops.
The system need at least 5 minutes for residual operation of drain pump device.
Turning off the power immediately will cause water leak or trouble.

FOR SYSTEMS WITH COOL/HEAT SELECTOR (Refer to figure 8)

- 1 Select cooling operation mode with the Cool/Heat selector.
- 2 Press the operation mode selector button several times and select program dry “”.
- 3 Press the on/off button.
The operation lamp lights up and the system starts operation.
- 4 Press the air flow direction adjust button (only for FXF, FXH, FXA). Refer to the chapter “6-3 ADJUSTING THE AIR FLOW DIRECTION” for details.
- 5 Press the on/off button once again.
The operation lamp goes off and the system stops operation.

NOTE

- Do not turn off the power immediately after the unit stops.
The system need at least 5 minutes for residual operation of drain pump device.
Turning off the power immediately will cause water leak or trouble.

6-3 ADJUSTING THE AIR FLOW DIRECTION (Refer to figure 6) (only for Double-flow, Multi-flow, Corner, Ceiling-suspended and Wall-mounted)

- 1 Press the air flow direction adjust button to select the air direction.
The air flow flap display swings as shown right and the air flow direction continuously varies. (Automatic swing setting)
- 2 Press the air flow direction adjust button to select the air direction of your choice.



The air flow flap display stops swinging and the air flow direction is fixed. (Fixed air flow direction setting)





MOVEMENT OF THE AIR FLOW FLAP

For the following conditions, a micro computer controls the air flow direction which may be different from the display.


COOLING	HEATING
_____	<ul style="list-style-type: none"> • When starting operation. • When the room temperature is higher than the set temperature. • At defrost operation.
<ul style="list-style-type: none"> • When operating continuously at horizontal air flow direction. • When continuous operation with downward air flow is performed at the time of cooling with a ceiling-suspended or a wall-mounted unit, the microcomputer may control the flow direction, and then the remote control indication also will change. 	

The air flow direction can be adjusted in one of the following ways.

Automatic “”: The air flow direction will vary continuously. (Refer to figure 13-1)

Desired position “”: The air flow direction can be fixed by the user. (Refer to figure 13-2)

NOTE

- The movable limit of the flap is changeable. Contact your Daikin dealer for details. (Only for Multi-flow, Ceiling-suspended and Wall-mounted.)
- Avoid operating in the horizontal direction “”. It may cause dew or dust to settle on the ceiling.

6-4 PROGRAMMING START AND STOP OF THE SYSTEM WITH TIMER

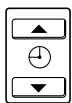
(Refer to figure 9)

- The timer is operated in the following two ways.
Programming the stop time “⊕ ▶ ○”
The system stops operating after the set time has elapsed.
Programming the start time “⊕ ▶ |”
The system starts operating after the set time has elapsed.
- The timer can be programmed for a maximum of 72 hours.
- The start and the stop time can be simultaneously programmed.

1 Press the timer mode start/stop button several times and select the mode on the display. The display flashes.

- For setting the timer stop “⊕ ▶ ○”
- For setting the timer start “⊕ ▶ |”

2 Press the programming time button and set the time for stopping or starting the system.



Each time this button is pressed, the time advances or goes backward by 1 hour.

3 Press the timer on/off button. The timer setting procedure ends. The display “⊕ ▶ ○” or “⊕ ▶ |” changes from flashing light to constant light.

NOTE

- When setting the timer off and on at the same time, repeat the above procedure (from “**1**” to “**3**”) once again.
- After the timer is programmed, the display shows the remaining time.
- Press the timer on/off button once again to cancel programming. The display vanishes.

For example: (Refer to figure 11)

When the timer is programmed to stop the system after 3 hours and start the system after 4 hours, the system will stop after 3 hours and start 1 hour later.

6-5 SETTING THE MASTER REMOTE CONTROLLER

- In the case of the system as shown in figure 14, only the master remote controller can select operation mode.

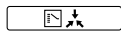
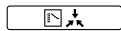
(Refer to figure 14)

1. Outside unit
2. BS unit
3. Indoor unit
4. Remote controller
5. **Some indoor units are connected to one BS unit.**
One of these remote controller is master remote controller.
6. **One indoor unit is connected to one BS unit.**
Each remote controller is master remote controller.

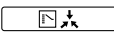
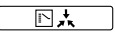
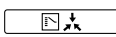
In the case of the system as shown in figure 15, none of the remote controllers can select operation mode.

(Refer to figure 15)

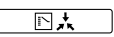
1. Outside unit
2. BS unit
3. Indoor unit
4. Remote controller
5. COOL/HEAT Selector
6. **The COOL/HEAT Selector is connected to BS unit.**
The COOL/HEAT Selector can select operation mode.

- Only the master remote controller can select heating, cooling, automatic operation.
- The displays of slave remote controllers show “” (changeover under control) and they automatically follow the operation mode directed by the master remote controller. However, it is possible to changeover to program dry with slave remote controllers if the system is in cooling operation by setting on the master remote controller and to changeover to fan only operation.
- In the case of the system as shown in figure 15, the display of all remote controllers show “” (changeover under control).

How to designate the master remote controller (Refer to figure 10)

- 1 Press the operation mode selector button of the current master remote controller for 4 seconds. The display showing “” (changeover under control) of all remote controllers connected to the same outside unit flashes.
- 2 Press the operation mode selector button of the controller that you wish to designate as the master remote controller. Then designation is completed. This remote controller is designated as the master remote controller and the display showing “” (changeover under control) vanishes. The displays of other remote controllers show “” (changeover under control).

How to change the operation mode (Refer to figure 10)

- 3 Press the operation mode selection button of the master remote controller, which does not show “” (changeover under control) repeatedly until the air conditioner is set to the desired operation mode. The display will change to FAN, DRY, AUTO (REYQ models only), COOLING, or HEATING each time the button is pressed. The other remote controllers with no option rights will follow suit and change their displays automatically.

6-6 PRECAUTIONS FOR GROUP CONTROL SYSTEM OR TWO REMOTE CONTROLLER CONTROL SYSTEM

This system provides two other control systems beside individual control (one remote controller controls one indoor unit) system. Confirm which type of your unit is the following system.


- **Group control system**
One remote controller controls up to 16 indoor units. All indoor units are equally set.
- **Two remote controller control system**
Two remote controllers control one indoor unit (in case of group control system, one group of indoor units). The unit is individually operated.

NOTE

- Contact your Daikin dealer in case of changing the combination or setting of group control and two remote controller control systems.

7. OPTIMUM OPERATION

Observe the following precautions to ensure the system operates properly.

- Prevent direct sunlight from entering a room during cooling operation by using curtains or blinds.
- Do not leave doors and windows open. If the doors and windows remain open, air will flow out of your room causing a decrease in the cooling or heating effect.
- Do not use other heating devices directly beneath the indoor unit.
If you do, they might get deformed by the heat.
- Never place objects near the air inlet or the air outlet of the unit. It may cause deterioration in the effect or stop the operation.
- Adjust the room temperature properly for a comfortable environment. Avoid excessive heating or cooling.
- Ventilate often.
Extended use requires special attention to ventilation.
- When the display shows “” (time to clean the air filter), ask a qualified service person to clean the filters. (Refer to the chapter “Maintenance” in the indoor unit manual.)
- Keep the indoor unit and remote controller at least 3.5ft. away from televisions, radios, stereos, and other similar equipment.
Failing to do so may cause static or distorted pictures.
- Turn off the main power supply switch to the unit when the unit is not used for longer periods of time. If the switch is on, it uses electricity. Before restarting the unit, turn on the main power supply switch 6 hours before operation to ensure smooth running. (Refer to the chapter “Maintenance” in the indoor unit manual.)
- Fully use the function of air flow direction adjust. Cold air gathers on the floor, and warm air gathers in the ceiling.
Set the air flow direction parallel during cooling or dry operation, and set it downwards during heating operation.
Do not let the air blow directly to a person.
- It takes time for the room temperature to reach the set temperature.
We recommend starting the operation in advance using timer operation.

8. SEASONAL MAINTENANCE

CAUTION

- **Do not touch the air inlets or aluminum fins of the outside or indoor units.**
Touching them may result in injury.
- **Do not wash the outside or indoor units with water.**
An electric shock or fire may result.
- **Watch your steps at the time of air filter cleaning etc.**
If the scaffold is unstable, you may fall or topple down, thus causing injury.
- **Be sure to stop the operation, and turn the breaker off before cleaning.**
This may cause electric shock and injury.
- **Consult with the dealer for cleaning the interior of the indoor units.**
Incorrect cleaning may damage the plastic parts and cause failures, such as water leakage, and an electric shock may result.

8-1 AT THE BEGINNING OF THE SEASON

Check

- Are the indoor and outside unit intake and outlet vents blocked?
Remove anything that might be blocking them.

Clean the exterior.

- See the operation manual included with the indoor unit for details on how to clean it.

Turn the power on.

- When the power comes on, the characters in the remote controller display appear.
(To protect the unit, turn the power on at least 6 hours before operating it. This makes operation smoother.)

8-2 AT THE END OF THE SEASON

On a clear day, use fan operation for around half a day to thoroughly dry out the interior of the unit.

- Refer to chapter 6 for details on fan operation.

Turn off the power.

- When the power is shut off, the characters in the remote controller display disappear.
- When the power is on, the unit consumes up to several dozen Watts of power.
Turn off the power to conserve energy.

Clean the exterior.

- See the operation manual included with the indoor unit for details on how to clean it.

9. FOLLOWING SYMPTOMS ARE NOT AIR CONDITIONER TROUBLES

9-1 THE SYSTEM DOES NOT OPERATE

- **The air conditioner does not start immediately when restarting or changing the operation mode.**

If the operation lamp lights, the system is in normal condition.

To prevent overloading of the compressor motor, the air conditioner starts 5 minutes after it is turned ON again in case it was turned OFF just before.

- **If “Centralized Control” is displayed on the remote controller and pressing the operation button causes the display to blink for a few seconds.**

This indicates that the central device is controlling the unit.

The blinking display indicates that the remote control cannot be used.

- **The system does not start immediately after the power supply is turned on.**

Wait 1 minute until the micro computer is prepared for operation.

9-2 IT STOPS SOMETIMES

- **The remote controller display reads “U4” or “U5” and stops but then restarts after a few minutes.**

This is because the remote control is intercepting noise from electrical appliances other than the air conditioner, and this prevents communication between the units, causing them to stop. Operation automatically restarts when the noise goes away.

9-3 COOL/HEAT CANNOT BE CHANGED OVER

- **When the display shows “” (changeover under control).**

It shows that this is a slave remote controller. Refer to “Setting the master remote controller”.

- **When the cool/heat selector switch is installed and the display shows “” (changeover under control).**

This is because cool/heat changeover is controlled by the cool/heat selector. Ask your Daikin dealer where the remote control switch is installed.

9-4 FAN OPERATION IS POSSIBLE, BUT COOLING AND HEATING DO NOT WORK

- **Immediately after the power is turned on.**
The micro computer is getting ready to operate. Wait 10 minutes.

9-5 THE FAN STRENGTH DOES NOT CORRESPOND TO THE SETTING

- **The fan speed does not change even if the fan speed control button is pressed.**
During heating operation, when the room temperature reaches the set temperature, the outside unit goes off and the indoor unit changes to whisper the fan speed.
This is to prevent cold air blowing directly on occupants of the room.
The fan speed will not change even if the button is pressed, when another indoor unit is in heating operation.

9-6 THE FAN DIRECTION DOES NOT CORRESPOND TO THE SETTING

- **The fan direction does not correspond to the remote control display.**
The fan direction does not swing.
This is because the unit is being controlled by the micro computer. Refer to "Adjusting the air flow direction".

9-7 WHITE MIST COMES OUT OF THE UNIT

Indoor unit

- **When humidity is high during cooling operation.**
If the interior of indoor unit is extremely contaminated, the temperature distribution inside a room becomes uneven. It is necessary to clean the interior of the indoor unit. Ask your Daikin dealer for details on cleaning the unit. This operation requires a qualified service person.
- **Immediately after the cooling operation stops and if the room temperature and humidity are low.**
This is because warm refrigerant gas flows back into the indoor unit and generates steam.

Outside unit

- **When the system is changed over to heating operation after defrost operation.**
Moisture generated by defrost becomes steam and is exhausted.

9-8 NOISE OF AIR CONDITIONERS

Indoor unit

- **A "zeen" sound is heard immediately after the power supply is turned on.**
The electronic expansion valve inside an indoor unit starts working and makes the noise. Its volume will reduce in about 1 minute.
- **A continuous low "shah" sound is heard when the system is in cooling operation or at a stop.**
When the drain pump (an optional accessory) is in operation, this noise is heard.
- **A "pishi-pishi" squeaking sound is heard when the system stops after heating operation.**
Expansion and contraction of plastic parts caused by temperature change make this noise.
- **A low "sah", "choro-choro" sound is heard while the indoor unit is stopped.**
When the other indoor unit is in operation, this noise is heard. In order to prevent oil and refrigerant from remaining in the system, a small amount of refrigerant is kept flowing.

Outside unit

- **When the tone of operating noise changes.**
This noise is caused by the change of frequency.

Indoor unit, outside unit

- **A continuous low hissing sound is heard when the system is in cooling or defrost operation.**
This is the sound of refrigerant gas flowing through both indoor and outside units.
- **A hissing sound which is heard at the start or immediately after stopping operation or defrost operation.**
This is the noise of refrigerant caused by flow stop or flow change.

9-9 DUST COMES OUT OF THE UNIT

- **When the unit is used after stopping for a long time.**
This is because dust has gotten into the unit.

9-10 THE UNITS CAN GIVE OFF ODOURS

- **During operation.**
The unit can absorb the smell of rooms, furniture, cigarettes, etc., and then emit it again.

9-11 THE OUTSIDE UNIT FAN DOES NOT ROTATE

- **During operation.**
The speed of the fan is controlled in order to optimize product operation.

9-12 THE DISPLAY SHOWS “ 88 ”

- This is the case immediately after the main power supply switch is turned on and means that the remote controller is in normal condition. This continues for 1 minute.

9-13 THE COMPRESSOR OR FAN IN THE OUTSIDE UNIT DOES NOT STOP

- This is to prevent oil and refrigerant from remaining in the compressor. The unit will stop after 5 to 10 minutes.

9-14 THE INSIDE OF OUTSIDE UNIT IS WARM EVEN WHEN THE UNIT HAS STOPPED

- This is because the crankcase heater is warming the compressor so that the compressor can start smoothly.

9-15 HOT AIR IS EMITTED EVEN THOUGH THE UNIT IS STOPPED

- **Hot air can be felt when the unit is stopped.**
Several different indoor units are being run on the same system, so if another unit is running, some refrigerant will still flow through the unit.

9-16 DOES NOT COOL VERY WELL

- **Program dry operation.**
Program dry operation is designed to lower the room temperature as little as possible. Refer to page 8.

10. TROUBLE SHOOTING

If one of the following malfunctions occur, take the measures shown below and contact your Daikin dealer.




WARNING

Stop operation and shut off the power if anything unusual occurs (burning smells, etc.)

Leaving the unit running under such circumstances may cause breakage, electrical shock, or fire. Contact your dealer.

- If a safety device such as a fuse, a breaker or an earth leakage breaker frequently actuates;
Measure : Do not turn on the main power switch.
- If the ON/OFF switch does not properly work;
Measure: Turn off the main power switch.
- If water leaks from unit;
Measure: Stop the operation.

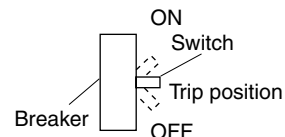
- The operation mode selector button does not work well.
Turn off the power.
- If the display “  TEST ”, the unit number and the operation lamp flash and the malfunction code appears; (**Refer to figure 12**)
 1. Inspection display
 2. Indoor unit number in which a malfunction occurs
 3. Operation lamp
 4. Malfunction codeMeasure: Notify your Daikin dealer and report the malfunction code.


If the system does not properly operate except for the above mentioned cases and none of the above mentioned malfunctions is evident, investigate the system according to the following procedures.


If it is impossible to fix the problem after checking all the above items, contact your dealer.

Let him know the symptoms, system name, and model name.

1. If the system does not operate at all;
 - Check if there is no power failure.
Wait until power is restored. If power failure occurs during operation, the system automatically restarts immediately after the power supply is recovered.
 - Check if no fuse has blown;
Turn off the power supply.
 - Check if the breaker is blown.
Turn the power on with the breaker switch in the off position.
Do not turn the power on with the breaker switch in the trip position.
(Contact your dealer.)



2. If the system stops soon after starting the operation;
 - Check if air inlet or outlet of outside or indoor unit is not blocked by obstacles.
Remove any obstacle and make it well-ventilated.
 - Check if the remote controller display shows “  ” (time to clean the air filter);
Refer to the operation manual of the indoor unit. And clean the air filter.
3. The system operates but cooling or heating is insufficient;
 - Check if air inlet or outlet of outside or indoor unit is not blocked by obstacles.
Remove any obstacle and make it well-ventilated.

- Check if the remote controller display shows “” (time to clean the air filter); Refer to the operation manual of the indoor unit. And clean the air filter.
- Check the temperature setting. Refer to “Operation procedure”.
- Check the fan speed setting on your remote controller. Refer to “Operation procedure”.
- Check for open doors or windows. Shut doors and windows to prevent wind from coming in.
- Check if there are too many occupants in the room during cooling operation.
- Check if the heat source of the room is excessive during cooling operation.
- Check if direct sunlight enters the room during cooling operation. Use curtains or blinds.
- Check if the air flow angle is not proper. Refer to “Operation procedure”.

After-sales service and warranty

After-sales service:

DANGER

- **Refrigerant gas may produce a toxic gas if it comes in contact with fire such as from a fan, heater, stove or cooking device. Exposure to this gas could cause severe injury or death.**

WARNING

- **Do not disassemble, modify or repair the unit.** This may cause water leakage, electric shock or fire. Contact your dealer.
- **Do not remove or reinstall the unit by yourself.** Incorrect installation may cause water leakage, electrical shock or fire. Contact your dealer.
- **When asking your dealer to repair, inform related staff of the details as follows:**
 - Model name and 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 after 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 have the related important parts in stock for 9 years at least. The important parts indicate parts essential to operate the air conditioner.

- **Recommendations for maintenance and inspection**

Since dust collects after using the unit for several years, the performance will be deteriorated to some extent.

Disassembling and cleaning inside require technical expertise, so we recommend entering a maintenance and inspection contract (at a cost) separate from normal maintenance.

- **Recommended inspection and maintenance cycles**

[Note: The maintenance cycle is not the same as the warranty period.]

Table 1 assumes the following usage conditions.

1. Normal use without frequent starting and stopping of the machine. (Although it varies with the model, we recommend not starting and stopping the machine more than 6 times/hour for normal use.)
2. Operation of the product is assumed to be 10 hours/day, 2500 hours/year.

- Table 1 “Inspection Cycle” and “Maintenance Cycle” Lists

Name of Main Part	Inspection Cycle	Maintenance Cycle [replacements and/or repairs]
Compressor	1 year	20,000 hours
Electric motor (fan, damper, etc.)		20,000 hours
PC boards		25,000 hours
Heat exchanger		5 years
Sensor (thermistor, etc.)		5 years
Remote controller and switches		25,000 hours
Drain pan		8 years
Expansion valve		20,000 hours
Electromagnetic valve		20,000 hours
FAN		Outside : 10 years Indoor : 13 years

Note 1

This table indicates main parts. See the maintenance and inspection contract for details.

Note 2

This maintenance cycle indicates recommended lengths of time until the need arises for maintenance work, in order to ensure the product is operational as long as possible.

Use for appropriate maintenance design (budgeting maintenance and inspection fees, etc.).

Depending on the content of the maintenance and inspection contract, the inspection and maintenance cycles may in reality be shorter than those listed here.

Shortening of “maintenance cycle” and “replacement cycle” needs to be considered in the following cases.

1. When used in hot, humid locations or locations where temperature and humidity fluctuate greatly.
2. When used in locations where power fluctuation (voltage, frequency, wave distortion, etc.) is high. (Cannot be used if it is outside the allowable range.)
3. When installed and used in locations where bumps and vibrations are frequent.
4. When used in bad locations where dust, salt, harmful gas or oil mist such as sulfurous acid and hydrogen sulfide may be present in the air.
5. When used in locations where the machine is started and stopped frequently or operation time is long. (Example: 24 hour air-conditioning)

■ Recommended replacement cycle of wear-out parts

[The cycle is not the same as the warranty period.]

- Table 2 “Replacement Cycle” Lists

Name of Main Part	Inspection Cycle	Replacement Cycle
Air filter	1 year	5 years
High efficiency filter (Optional accessory)		1 year
Fuse		10 years
Crankcase heater		8 years

Note 1

This table indicates main parts.

See the maintenance and inspection contract for details.

Note 2

This maintenance cycle indicates recommended lengths of time until the need arises for maintenance work, in order to ensure the product is operational as long as possible.

Use for appropriate maintenance design (budgeting maintenance and inspection fees, etc.).

Contact your dealer for details.

Note: Breakage due to taking apart or cleaning inside by anyone other than our authorized dealers may not be included in the warranty.

■ Moving and discarding the unit

- Contact your dealer for removing and reinstalling the total enthalpy heat exchanger when moving house since they require technical expertise.
- This total enthalpy heat exchanger uses chlorofluorocarbon.

Contact your dealer for discarding this unit since it is required by law to collect, transport and discard the refrigerant in accordance with “chlorofluorocarbon collection and destruction” law.

■ Where to call

For after-sales service, etc., consult with your dealer.

■ Warranty period:

- This product includes a warranty card. The warranty card is given to a customer after dealer staff fills out necessary items in the card. The customer should check the entered items and store it carefully.
Warranty period: Within one year after installation.
For further details, refer to the warranty card.
- If it is necessary to repair the air conditioner within the warranty period, contact your dealer and show your warranty card. If the warranty card is not shown, pay-service repair may be performed even though the warranty period is not expired.

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