



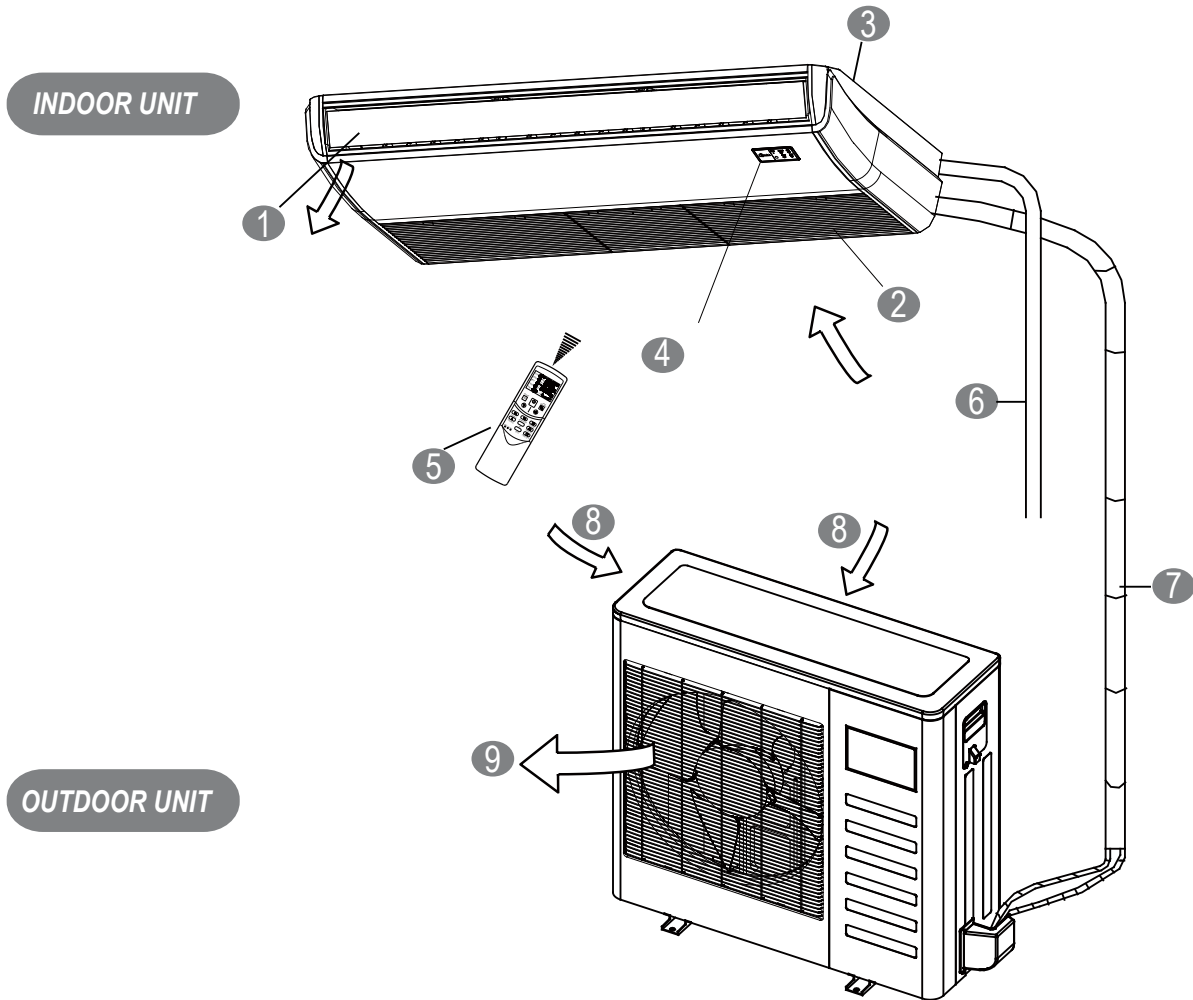
## **OWNER'S MANUAL**

# **Ceiling and Floor Unit**

### **Models**

B-VMH18UU-1

B-VMH24UU-1



**INDOOR UNIT**

**OUTDOOR UNIT**

**INDOOR UNIT**

- ① Air flow louver (at air outlet)
- ② Air inlet (with air filter in)
- ③ Installation part
- ④ Display panel
- ⑤ Remote controller
- ⑥ Drain pipe

**OUTDOOR UNIT**

- ⑦ Connecting pipe
- ⑧ Air inlet
- ⑨ Air outlet



**NOTE**

All the pictures in this manual are for explanation purpose only. They may be slightly different from the air conditioner you purchased (depend on model). The actual shape shall prevail.

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## 1. IMPORTANT SAFETY INFORMATION

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

The safety precautions listed are divided into two categories. In either case, important safety information is listed which must be read.



### WARNING

Failure to observe a warning may result in death. The appliance shall be installed in accordance with national wiring regulations.



### CAUTION

Failure to observe a caution may result in injury or damage to the equipment.



### WARNING

**Ask your dealer for installation of the air conditioner.**  
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.

**In order to avoid electric shock, fire or injury, or if you detect any abnormality such as smell of fire, turn off the power supply and call your dealer for instructions.**

**Never let the indoor unit or the remote controller get wet.**  
It may cause an electric shock or a fire.

**Never press the button of the remote controller with a hard, pointed object.**  
The remote controller may be damaged.

**Never replace a fuse with that of wrong rated current 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.

**It is not good for your health to expose your body to the air flow for a long time.**

**Do not insert fingers, rods or other objects into the air inlet or outlet.**  
When the fan is rotating at high speed, it will cause injury.

**Never use a flammable spray such as hair spray, lacquer or paint near the unit.**  
It may cause a fire.

**Never touch the air outlet or the horizontal blades while the swing flap is in operation.**  
Fingers may become caught or the unit may break down.

**Never put any objects into the air inlet or outlet.**  
Objects touching the fan at high speed can be dangerous.

**Never inspect or service the unit by yourself.**  
Ask a qualified service person to perform this work.

**Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.**

**Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.**  
Contact your local government for information regarding the connection systems available.

**If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.**

**To prevent refrigerant leak, contact your dealer.**  
When the system is installed and runs in a small room, it is required to keep the concentration of the refrigerant, if by any chance coming out, below the limit. Otherwise, oxygen in the room may be affected, resulting in a serious accident.

**The refrigerant in the air conditioner is safe and normally does not leak.**  
If the refrigerant leaks in the room, contact with a fire of a burner, a heater or a cooker may result in a harmful gas.

**Turn off any combustible heating devices, ventilate the room, and contact the dealer where you purchased the unit.**  
Do not use the air conditioner until a service person confirms that the portion where the refrigerant leaks is repaired.



### 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.

**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.

**In order to avoid electric shock or fire, make sure that an earth leak detector is installed.**

**Be sure the air conditioner is grounded.**  
In order to avoid electric shock, make sure that the unit is grounded and that the earth wire is not connected to gas or water pipe, lightning conductor or telephone earth wire.

**In order to avoid injury, do not remove the fan guard of the outdoor unit.**

**Do not operate the air conditioner with wet hands.**  
An electric shock may happen.

**Do not touch the heat exchanger fins.**  
These fins are sharp and could result in cutting injuries.

**Do not place items which might be damaged by moisture under the indoor unit.**  
Condensation may form if the humidity is above 80%, the drain outlet is blocked or the filter is dirty.

**After extended usage, check the unit stand and fitting for damage.**  
If damaged, the unit may fall and result in injury.

**To avoid oxygen deficiency, ventilate the room sufficiently if equipment with burner is used together with the air conditioner.**

**Arrange the drain hose to ensure smooth drainage.**  
Incomplete drainage may cause wetting of the building, furniture etc.

**Never touch the internal parts of the controller.**  
Do not remove the front panel. Some parts inside are dangerous to touch.

**Never expose little children, plants or animals directly to the air flow.**  
Adverse influence to little children, animals and plants may result.

**Do not allow children to climb on the outdoor unit and avoid placing any object on it.**  
Falling or tumbling may result in injury.

**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 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.

**Do not install the air conditioner at any place where flammable gas may leak out.**  
If gas leaks out and stays around the air conditioner, a fire may break out.

**This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children.**

**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 should be supervised to ensure that they do not play with the appliance.**

**If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**

**Do not operate your air conditioner in a wet room such as a bathroom or laundry room.**

**The main switch of the air conditioner should not be accessed by children to prevent injury.**

**Hold the plug and firmly plug it in.**

**Do not open the front panel during operation.**

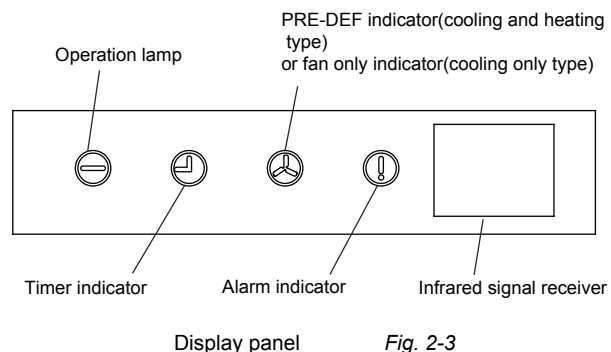
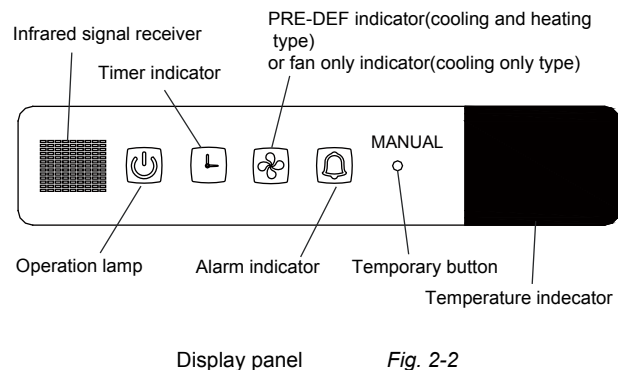
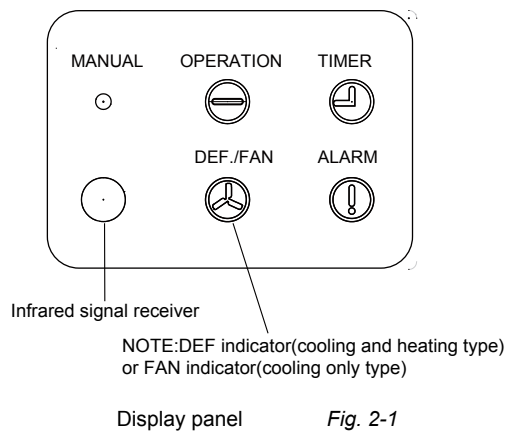
**Always switch off the air conditioner and remove power during a storm.**

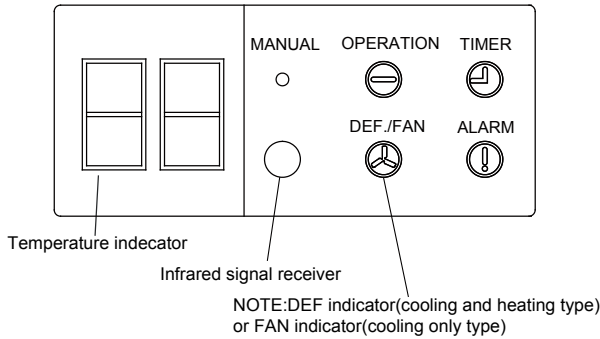
**Always remove power if the unit is not going to be used for a lengthy period of time.**

## 2. TEMPORARY OPERATIONS

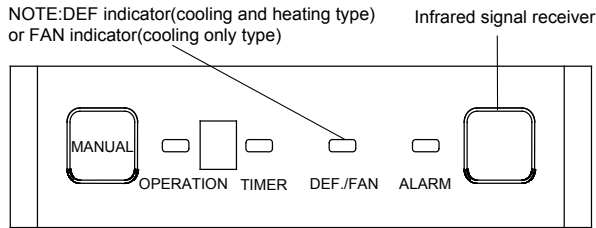
The air conditioner consists of the indoor unit, the outdoor unit, the connecting pipe and the remote controller. (See Fig. 1)

### ■ Function indicators on indoor unit display panel

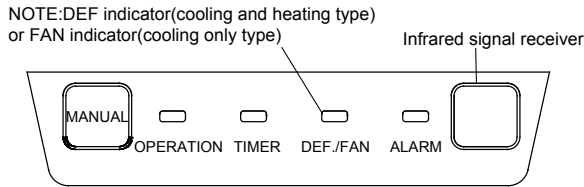




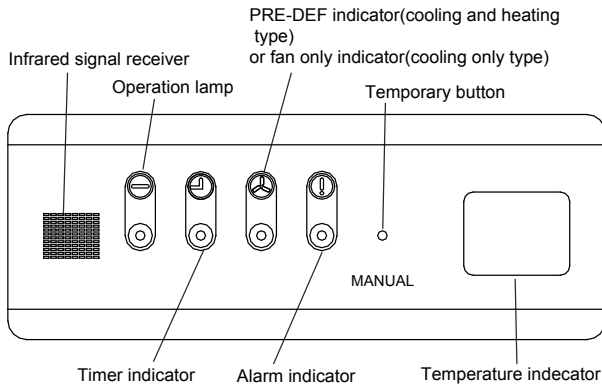
Display panel Fig. 2-4



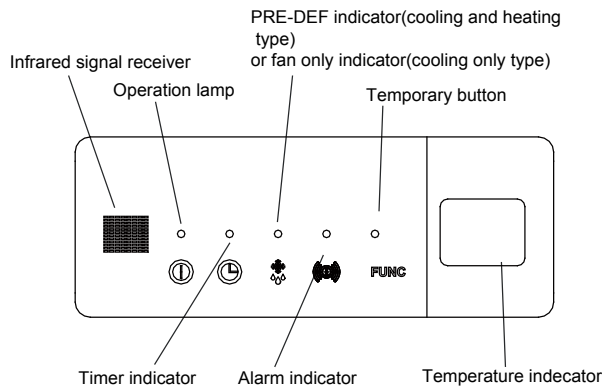
Display panel Fig. 2-5



Display panel Fig. 2-6



Display panel Fig. 2-7



Display panel Fig. 2-8

For inverter type,this switch is used for after-sales service purpose only,the user should not push it.

For fixed-frequency type,this function is used to operate the unit temporarily in case you misplace the remote controller or its batteries are exhausted. Two modes including FORCED AUTO and FORCED COOL can be selected through the TEMPORARY BUTTON on the air-in grill control box of the indoor unit. Once you push this button, the air conditioner will run in such order: FORCED AUTO, FORCED COOL, OFF, and back to FORCED AUTO.

- 1 FORCED AUTO  
The OPERATION lamp is lit, and the air conditioner will run under FORCED AUTO mode. The remote controller operation is enabled to operate according to the received signal.
- 2 FORCED COOL  
The OPERATION lamp flashes, the air conditioner will turn to FORCED AUTO after it is enforced to cool with a wind speed of HIGH for 30 minutes. The remote controller operation is disabled.
- 3 OFF  
The OPERATION lamp goes off. The air conditioner is OFF while the remote controller operation is enabled.



**NOTE**

This manual does not include Remote Controller Operations, see the<<Remote Controller Owner's manual>> packed with the unit for details.

### 3. AIR CONDITIONER OPERATIONS AND PERFORMANCE

Use the system in the following temperature for safe and effective operation. The Max operation temperature for the air conditioner.(Cooling/Heating)

Table 3-1

Mode	Temperature	
	Outdoor temperature	Room temperature
Cooling operation	0°C ~ 50°C / 32 °F~122°F	17°C ~ 32°C (62 °F ~ 90°F)
	-15°C ~ 50°C / 5 °F~122°F (for the models with low temperature cooling system)	
Heating operation (cooling only type without)	-15°C ~ 24°C / 5 °F~76°F	0°C ~ 30°C / 32 °F~86°F
Drying operation	0°C ~ 50°C / 32 °F~122°F	17°C ~ 32°C (62 °F ~ 90°F)



**NOTE**

- 1 If air conditioner is used outside the above conditions, it may cause the unit to function abnormally.
- 2 The phenomenon is normal that the surface of air conditioning may condense water when the relative humidity in room is abnormally high, please close the door and window.
- 3 Optimum performance will be achieved within these operating temperature range.

### ■ Three-minute protection feature

A protection feature prevents the air conditioner from being activated for approximately 3 minutes when it restarts immediately after operation.

### ■ Power failure

Power failure during operation will stop the unit completely.

- The OPERATION lamp on the indoor unit will start flashing when power is restored.
- To restart operation, push the ON/OFF button on the remote controller.
- Lighting or a car wireless telephone operating nearby may cause the unit to malfunction.

Disconnect the unit from the power and then connect the unit to the power again. Push the ON/OFF button on the remote controller to restart operation.

### ■ Refrigerant Leakage Detection(optional):

With this new technology, the display area will appear 'EC' (if applicable) and the LED indication lamps continue flashing when the outdoor unit detects refrigerant leakage.

### ■ Louver Angle Memory Function (optional):

For some models, the machine is specially designed with louver angle memory function. Power failure during operation or pressing the ON/OFF button on the remote controller will stop the unit completely. When the power restores or pressing the ON/OFF button on the remote controller again, the unit restarts automatically with the previous open angle of the horizontal louver by the memory function. So we strongly recommend that the open angle of the horizontal louver should not be set too small, in case the condensed water forms and drops from the horizontal louver. Press the Manual control button and the open angle of the horizontal louver will be restored to the standard angle.

## 4. HINTS FOR ECONOMICAL OPERATION

The following should be noticed to ensure an economical operation. (Refer to corresponding chapter for details)

- Adjust the air flow direction properly to avoid air blowing toward your body.
- Adjust the room temperature properly to get a comfortable environment and to avoid supercooling and superheat.
- In cooling, close the curtains to avoid direct sunlight.
- To keep cool or warm air in the room, never open doors or windows more often than necessary.
- Set the timer for the desired operating time.
- Never put obstructions near the air outlet or the air inlet. Or it will cause lower efficiency, even a sudden stop.
- If you don't plan to use the unit for a long time, please disconnect power and remove the batteries from the remote controller. When the power switch is connected, some energy will be consumed, even if the air conditioner isn't in operation. So please disconnect the power to save energy. And please switch the power on 12 hours before you restart the unit to ensure smooth operation.
- A clogged air filter will reduce cooling or heating efficiency, please clean it once every two weeks.

## 5. ADJUSTING AIR FLOW DIRECTION

### 5.1 Adjust the horizontal louver

#### Auto-swing

Press SWING V button, the louver will swing up and down automatically.

#### Manual Swing

Adjust the louver to achieve better cooling/heating effects when cooling /heating.

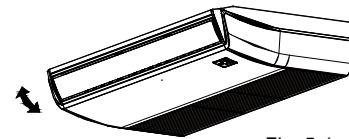


Fig. 5-1

#### When cooling

Adjust the louver horizontally.

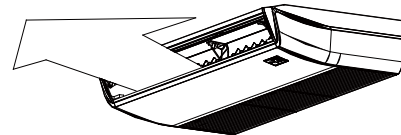


Fig. 5-2

#### When heating

Adjust the louver downwards. (vertically)

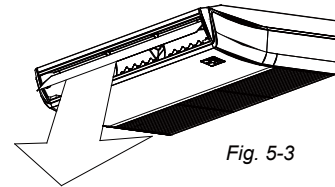


Fig. 5-3

### 5.2 Adjust the Vertical louver

#### Auto-swing

Press SWING H button, the louver will swing left and right automatically.

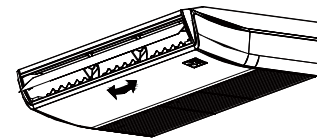


Fig. 5-4

## 6. MAINTENANCE



### CAUTION

**Before you clean the air conditioner, be sure the power supply is off.**

**Check that the wiring is not broken off or disconnected.**

**Use a dry cloth to wipe the indoor unit and remote controller.**

A wet cloth may be used to clean the indoor unit if it is very dirty.

Never use a damp cloth on the remote controller.

Do not use a chemically-treated duster for wiping or leave such material on the unit for long. It may damage or fade the surface of the unit.

Do not use benzene, thinner, polishing powder, or similar solvents for cleaning. These may cause the plastic surface to crack or deform.

■ **Maintenance after a long stop period**

(eg. at the beginning of the season)

Check and remove everything that might be blocking inlet and outlet vents of indoor units and outdoor units.

Clean air filters and casings of indoor units. Refer to "Cleaning the air filter" for details on how to proceed and make sure to install cleaned air filters back in the same position.

Turn on the power at least 12 hours before operating the unit in order to ensure smoother operation. As soon as he power is turned on, the remote controller displays appear.

■ **Maintenance before a long stop period**

(eg. at the end of the season)

Let the indoor units run in fan only operation for about half a day in order to dry the interior of the units.

Clean air filters and casings of indoor units. Refer to "Cleaning the air filter" for details on how to proceed and make sure to install cleaned air filters back in the same position.

■ **Cleaning the air filter**

The air filter can prevent dust or other particulate from going inside. In case of blockage of the filter, the working efficiency of the air conditioner may greatly decrease. Therefore, the filter must be cleaned once every two weeks during extended usage.

If the air conditioner is installed in a dusty place, clean the the air filter frequently.

If the accumulated dust is too heavy to be cleaned, please replace the filter with a new one (replaceable air filter is an optional fitting).

The filter cleaning should be performed by a suitable service provider.

1 **3.2-10.5KW**

- Open the air intake with a screwdriver or something similar. (Refer to Fig.6-1)
- Take out the air filter. (Refer to Fig.6-2)
- Clean the air cleaning filter with water or vacuum cleaner, then dry it in a cool place.
- Re-install the air filter in the reverse order of Fig.6-2.

2 **14-16KW**

- Directly pull out the air filter from air inlet as indicated in Fig.6-3.
- Clean the air cleaning filter with water or vacuum cleaner, then dry it in cool place.
- Re-install the air filter in the reverse order of Fig.6-3.



**NOTE**

- The air-in side should face up when using vacuum cleaner.
- The air-in side should face down when using water.



**CAUTION**

Do not dry out the air filter under direct sunshine or with fire.

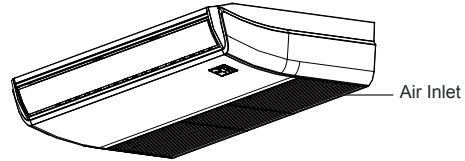


Fig. 6-1

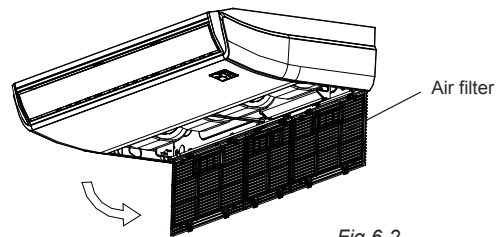


Fig. 6-2

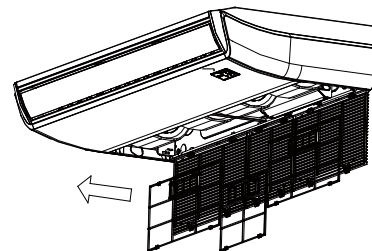


Fig. 6-3

**7. FOLLOWING SYMPTOMS ARE NOT AIR CONDITIONER TROUBLES**

**Symptom 1: The system does not operate**

- The air conditioner does not start immediately after the ON/OFF button on the remote controller is pressed. If the operation lamp lights, the system is in normal condition. To prevent overloading of the compressor motor, the air conditioner delays for 3 minutes after it is turned ON.
- If the operation lamp and the "PRE-DEF indicator(cooling and heating type) or fan only indicator(cooling only type)" light, it means you choose the heating model, When just starting, if the compressor has not started, the indoor unit appears "anti cold wind" protection because of its low outlet temperature.



## Symptom 2: Change into the fan mode during cooling mode

- In order to prevent the indoor evaporator frosting, the system will change into fan mode automatically, and restore to the cooling mode after the indoor coil warms above freezing.
- When the room temperature drops to the set temperature, the compressor goes off and the indoor unit changes to fan mode; when the temperature rises up, the compressor starts again. It is same in the heating mode.

## Symptom 3: White mist comes out of a unit

### Symptom 3.1: Indoor unit

- When humidity is high during cooling operation If the interior of an 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 dealer for details on cleaning the unit. This operation requires a qualified service person

### Symptom 3.2: Indoor unit, outdoor unit

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

## Symptom 4: Noise of air conditioner's cooling

### Symptom 4.1: Indoor unit

- A continuous low "shah" sound is heard when the system is in cooling operation or at a stop.  
When the drain pump (optional accessories) 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.

### Symptom 4.2: Indoor unit, outdoor unit

- A continuous low hissing sound is heard when the system is in operation.  
This is the sound of refrigerant gas flowing through both indoor and outdoor 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.

### Symptom 4.3: Outdoor unit

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

## Symptom 5: Dust comes out of the unit

- When the unit is used for the first time in a long time.  
This is because dust has gotten into the unit.

## Symptom 6: The units can give off odours

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

## Symptom 7: The outdoor unit fan does not spin.

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

## 8. TROUBLESHOOTING

### 8.1 Troubles and causes of air conditioner

If one of the following malfunctions occur, stop operation, shut off the power, and contact your dealer.

- The operation lamp is flashing rapidly (5Hz) This lamp is still flashing rapidly after turn off the power and turn on again. (See in Table 8-1)
- Remote controller receives malfunction or the button does not work well.
- A safety device such as a fuse, a breaker frequently actuates.
- Obstacles and/or water enter the unit.
- Water leaks from indoor unit.
- Other malfunctions.

If the system does not properly operate except the above mentioned cases or the above mentioned malfunctions is evident, investigate the system according to the following procedures. (See in Table 8-2)

### 8.2 Troubles and causes of remote controller

Before asking for service or repairing, check the following points. (See in Table 8-3)



Table 8-1

NO.	Malfunction	display (nixie tube)	timer lamp	running lamp (flashes per second)
1	Indoor EEPROM error	E0	OFF	1
2	Communication malfunction between indoor and outdoor units	E1	OFF	2
3	Indoor fan speed malfunction	E3	OFF	4
4	Indoor room temperature sensor open circuit or short circuit	E4	OFF	5
5	Evaporator coil temperature sensor open circuit or short circuit	E5	OFF	6
6	Refrigerant leakage detection malfunction	EC	OFF	7
7	Water-level alarm malfunction	EE	OFF	8
8	Communication malfunction between two indoor units (for twins model)	E8	OFF	N/A
9	Other malfunction of twins model	E9	OFF	N/A
10	Current overload protection	F0	ON	1
11	Outdoor room temperature sensor open circuit or short circuit	F1	ON	2
12	Outdoor condenser pipe temperature sensor error	F2	ON	3
13	Discharge air temperature sensor error	F3	ON	4
14	Outdoor EEPROM error	F4	ON	5
15	Outdoor fan speed malfunction (Only for DC fan motor)	F5	ON	6
16	Inverter module IPM protection	P0	Flash	1
17	High/Low voltage protection	P1	Flash	2
18	High temperature protection of compressor top	P2	Flash	3
19	Outdoor low temp. protection	P3	Flash	4
20	Compressor drive error	P4	Flash	5
21	Mode conflict	P5	Flash	6

Table 8-2

Symptoms	Causes	Solution
Unit does not start	<ul style="list-style-type: none"> <li>Power failure.</li> <li>Power switch is off.</li> <li>Fuse of power switch may have burned.</li> <li>Batteries of remote controller exhausted or other problem of controller.</li> </ul>	<ul style="list-style-type: none"> <li>Wait for power to return.</li> <li>Switch on the power.</li> <li>Replace the fuse.</li> <li>Replace the batteries or check the controller.</li> </ul>
Air flowing normally but not cooling	<ul style="list-style-type: none"> <li>Temperature is not set correctly.</li> <li>Three minute protection of compressor.</li> </ul>	<ul style="list-style-type: none"> <li>Set the temperature properly.</li> <li>Wait.</li> </ul>
Units start or stop frequently	<ul style="list-style-type: none"> <li>Refrigerant is under or over charged.</li> <li>Air or no gas in the refrigerating circuit.</li> <li>Compressor malfunction.</li> <li>Voltage is too high or too low.</li> <li>System circuit is blocked.</li> </ul>	<ul style="list-style-type: none"> <li>Check leakage, and recharge refrigerant.</li> <li>Vacuum and recharge refrigerant.</li> <li>Repair or replace compressor.</li> <li>Wait for voltage to stabilize.</li> <li>Find reasons and solution.</li> </ul>
Low cooling effect	<ul style="list-style-type: none"> <li>Outdoor unit and indoor unit heat exchanger is dirty.</li> <li>The air filter is dirty.</li> <li>Inlet/outlet of indoor/outdoor units is blocked.</li> <li>Doors and windows are open</li> <li>Sunlight directly shining into room.</li> <li>Too much heat load.</li> <li>Outdoor temp. is too high.</li> <li>Leakage of refrigerant or lack of refrigerant.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the heat exchanger.</li> <li>Clean the air filter.</li> <li>Eliminate all dirt.</li> <li>Close doors and windows.</li> <li>Close curtains in order to shelter from sunshine.</li> <li>Reduce heat load.</li> <li>AC cooling capacity reduces (normal).</li> <li>Check leakage and recharge refrigerant.</li> </ul>
Low heating effect	<ul style="list-style-type: none"> <li>Doors and windows not completely closed.</li> <li>Leakage of refrigerant or lack of refrigerant.</li> </ul>	<ul style="list-style-type: none"> <li>Close doors and windows.</li> <li>Check leakage and recharge refrigerant.</li> </ul>

Table 8-3

Symptoms	Causes	Solution
The fan speed can not be changed.	<ul style="list-style-type: none"> <li>Check whether the MODE indicated on the display is "AUTO"</li> </ul>	When the automatic mode is selected, the air conditioner will automatically change the fan speed.
	<ul style="list-style-type: none"> <li>Check whether the MODE indicated on the display is "DRY"</li> </ul>	When dry operation is selected, the air conditioner will automatically change the fan speed. The fan speed can be selected only during "COOL", "FAN ONLY", and "HEAT".
The remote controller signal is not transmitted even when the ON/OFF button is pushed.	<ul style="list-style-type: none"> <li>Check whether the batteries in the remote controller are exhausted.</li> </ul>	The power supply is off.
The TEMP. indicator does not come on.	<ul style="list-style-type: none"> <li>Check whether the MODE indicated on the display is FAN ONLY</li> </ul>	The temperature cannot be set during FAN mode.
The indication on the display disappears after a lapse of time.	<ul style="list-style-type: none"> <li>Check whether the timer operation has come to an end when the TIMER OFF is indicated on the display.</li> </ul>	The air conditioner operation will stop at the set time.
The TIMER ON indicator goes off after a lapse of certain time.	<ul style="list-style-type: none"> <li>Check whether the timer operation is started when the TIMER ON is indicated on the display.</li> </ul>	At the set time, the air conditioner will automatically start and the appropriate indicator will go off.
No receiving tone sounds from the indoor unit even when the ON/OFF button is pressed.	<ul style="list-style-type: none"> <li>Check whether the signal transmitter of the remote controller is properly directed to the infrared signal receiver of the indoor unit when the ON/OFF button is pressed.</li> </ul>	Directly transmit the signal transmitter of the remote controller to the infrared signal receiver of the indoor unit, and then push the ON/OFF button twice.



**LIMITED EXPRESS WARRANTY**

Congratulations on purchasing your new HVAC equipment. It's been designed for long life and reliable service, and is backed by one of the strongest warranties in the industry. Your unit automatically qualifies for the warranty coverage listed below, providing you keep your proof of purchase (receipt) for the equipment and meet the warranty conditions.

**LIMITED ONE (2) YEAR EXPRESS WARRANTY**

MARS warrants all parts of the VMH UltraV Series Ductless Mini-Split to be free from defects in workmanship and materials for normal use and maintenance for two (2) years from the date of purchase by the original consumer for the original installation. This Express Limited Warranty applies only when the Ductless Mini-Split is installed as a complete matched system: outdoor unit and indoor unit, and only when the system is installed per MARS installation instructions and in accordance with all local, state and national codes for normal use.

**LIMITED 3rd to 7th YEAR EXPRESS WARRANTY**

The compressor only is warranted to be free from defects in workmanship and materials for normal use and maintenance for five (5) additional years, for a total of seven (7) years from the date of purchase by the original consumer for the original installation. This Express Limited Warranty applies only when the Ductless Mini-Split is installed as a complete matched system: outdoor unit and indoor unit, and only when the system is installed per MARS installation instructions and in accordance with all local, state and national codes for normal use.

**EXCEPTIONS**

The Limited Express Warranty does not cover normal maintenance—MARS recommends that regular inspection/maintenance be performed at least once a season and proof of maintenance be kept. Additionally, labor charges, transportation charges for replacement parts, replacement of refrigerant or filters, any other service calls/repairs are not covered by this Limited Warranty. It also does not cover any portion or component of the system that is not supplied by MARS, regardless of the cause of failure of such portion or component.

**CONDITIONS FOR WARRANTY COVERAGE**

- Unit must be operated according to MARS operating instructions included with the unit and cannot have been subjected to accident, alteration, improper repair, neglect or misuse, or an act of God (such as a flood)
- Installation was done by a trained, licensed or otherwise qualified HVAC dealer/contractor
- Performance cannot be impaired by use of any product not authorized by MARS, or by any adjustments or adaptations to components
- Serial numbers and/or rating plate have not been altered or removed
- Damage has not been a result of inadequate wiring or voltage conditions, use during brown-out conditions, or circuit interruptions
- Air flow around any section of the unit has not been restricted
- Unit remains in the original installation
- Unit was not purchased over the internet

**DURATION OF WARRANTY & REGISTRATION**

The warranty begins on the date of purchase by the original consumer. The consumer must retain a receipted bill of sale as proof of warranty period. Without this proof, the express warranty begins on the date of shipment from the factory.

**Please visit [www.marsdelivers.com](http://www.marsdelivers.com) to register your new product**

**REMEDY PROVIDED BY THE LIMITED EXPRESS WARRANTY**

The sole remedy under the Limited Warranty is replacement of the defective part. If replacement parts are required within the period of this warranty, MARS replacement parts shall be used; any warranty on the replacement part(s) shall not affect the applicable original unit warranty. Ready access to the unit for service is the owner's responsibility. Labor to diagnose and replace the defective part is not covered by this Limited Express Warranty. If for any reason the replacement part/product is no longer available during the warranty period, MARS shall have the right to allow a credit in the amount of the current suggested retail price of the part/product instead of providing repair or replacement.

**LIMITATION OF LIABILITY**

1. There are no other express or implied warranties. MARS makes no warranty of merchantability. We do not warrant that the unit is suitable for any particular purpose or can be used in buildings or rooms of any particular size or condition except as specifically provided in this document. There are no other warranties, express or implied, which extend beyond the description in this document.
2. All warranties implied by law are limited in duration to the seven-year term of the parts warranty. Your exclusive remedy is limited to the replacement of defective parts. **We will not be liable for any consequential or incidental damages caused by any defect in this unit.**
3. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow limitation on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.
4. No warranties are made for units sold outside the continental United States and Canada. Your distributor or final seller may provide a warranty on units sold outside these areas.
5. MARS will not be liable for damages if our performance regarding warranty resolution is delayed by events beyond our control including accident, alteration, abuse, war, government restrictions, strikes, fire, flood, or other acts of God.

**HOW TO OBTAIN WARRANTY SERVICE OR PARTS**

If you have a warranty claim, notify your installer promptly. If the installer does not remedy your claim, write to MARS, 1900 Wellworth Ave., Jackson MI 49203. Enclose a report of inspection by your installer or service person. Include model number, serial number, and date of purchase.

**Owner responsibilities are set forth in the instruction manual—read it carefully.**



**KEEP THIS INFORMATION AS A RECORD OF YOUR PURCHASE**

Outdoor Unit: Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Indoor Unit 1: Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Indoor Unit 2: Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Indoor Unit 3: Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Indoor Unit 4: Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Date of Purchase \_\_\_\_\_

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Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

*Comfort-Cire*®  **Century**

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