TOSHIBA

AIR CONDITIONER (MULTI TYPE)

Owner's Manual

For wireless remote controller

R32 or R410A

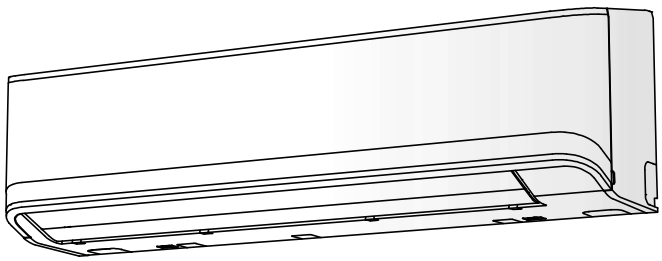
Indoor Unit

Model name: _____

For commercial use

High-Wall Type

MMK-UP0271HP-E
MMK-UP0301HP-E
MMK-UP0361HP-E



Scan QR CODE to access installation and owner's manual on website.
https://www.toshiba-carrier.co.th/manuals/default.aspx

Manual are available in BG/CS/DA/DE/EL/EN/ES/ET/FI/FR/
HR/HU/IT/LV/NL/NO/PL/PT/RO/RU/SK/SL/SV/TR.

Original instructions

Thank you very much for purchasing Air Conditioner.
Please read this owner's manual carefully before using your Air Conditioner.
- Be sure to obtain the "Owner's manual" and "Installation manual" from constructor (or dealer).
- Request to constructor or dealer
- Please clearly explain the contents of the Owner's manual and hand over it.

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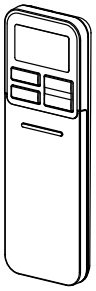
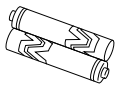
1 ACCESSORIES

Remote controller



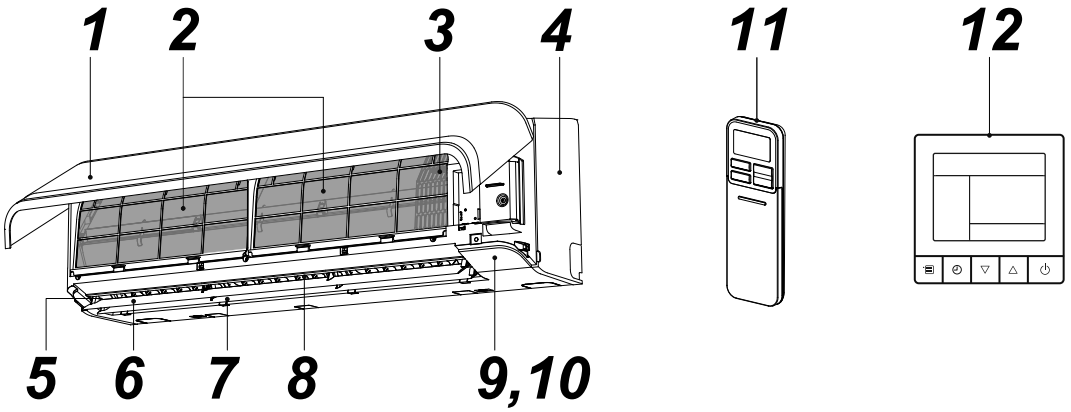
Remote controller holder

Batteries (two)



2 PARTS NAME

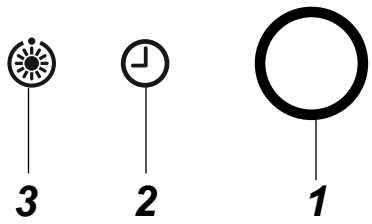
■ Indoor unit



1 Air inlet grille
2 Air filter
3 Room temperature sensor
4 Front panel
5 Air outlet
6 Horizontal airflow louver (front)
7 Horizontal airflow louver (back)
8 Vertical airflow louver
9 Display panel
10 Infrared signal receiver
11 Remote controller (wireless)
12 Remote controller (wired, sold separately)

■ Names and functions of indicators and controls on indoor unit

Display panel



The operating conditions are indicated below.

1 **OPERATION (White)**

This lamp goes on during operation.

2 **TIMER (White)**

This lamp goes on white the timer reserved.

NOTE

In case of timer setting by wired remote controller, TIMER lamp does not light.
In case of group control, TIMER lamp goes on header unit only. (see "7 LIMITED OPERATION BY GROUP CONTROL")

3 **Preheat/Defrost (White)**

This lamp lights up when the power is turned on or right after heating operation starts or during defrost operation.

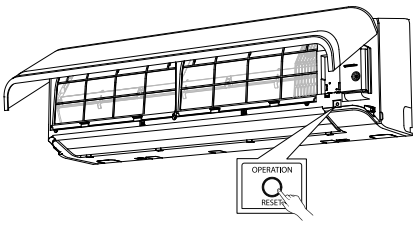
⚠ CAUTION

- **Disagreement in operation mode**
  If you select AUTOMATIC OPERATION in a model with no auto-changeover (cooling/heating) control setting or if you select HEAT in a Cool Only model, an alarm sound (pi, pi) from the air conditioner due to disagreement in operation mode. Change the operation mode with the MODE button on the wireless remote controller. This disagreement indication cannot be deleted by the wired remote controller.
- When local prohibition is set by the central control from other equipment, no signal is received even if the remote controller button is pressed. However, a signal of START/STOP button is accepted. (An alarm sound "pi " arises intermittently five times.)

TEMPORARY operation

If you misplace or lose the wireless remote controller or its batteries are exhausted, push the [RESET] button.

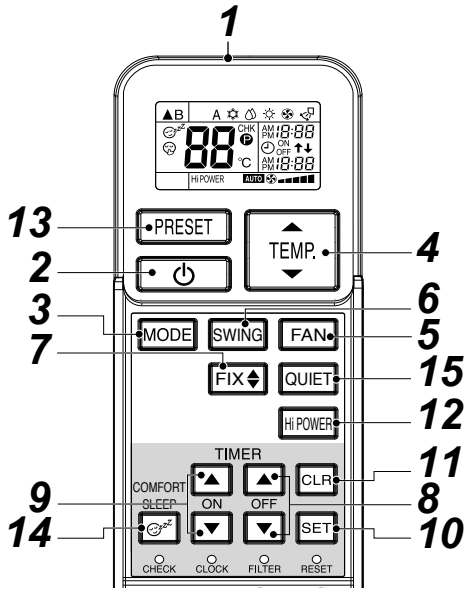
- Push and detach the [RESET] button to start the air conditioner.
- Push this button once again to stop it.



OPERATION/
RESET Button

3 PARTS NAME OF REMOTE CONTROLLER

■ Wireless remote controller and its functions



1 Infrared signal emitter

Transmits a signal to the indoor unit.

2 START/STOP button

Press the button to start operation.
(A receiving beep is heard.)
Press the button again to stop operation.
(A receiving beep is heard.)
If no receiving sound is heard from the indoor unit, press the button twice.

3 Mode select button (MODE)

Press this button to select a mode.
Each time you press the button, a mode is selected in a sequence that goes from A : Auto, ❄ : Cool, 💧 : Dry, ☀ : Heat, 🌀: Fan only, and back to A.
(A receiving beep is heard.)

4 Temperature button (TEMP.)

TEMP. .....The set temperature is increased up to 30°C.
TEMP. .....The set temperature is dropped down to 17°C. (A receiving beep is heard.)

5 Fan speed button (FAN)

Press this button to select fan speed.
When you select AUTO, the fan speed is automatically adjusted according to the room temperature.
You can also manually select the desired fan speed from among five settings.
(LOW ■, LOW+ ■■, MED ■■■, MED+ ■■■■, HIGH ■■■■■)
(A receiving beep is heard.)

6 Auto louver button (SWING)

Press this button to swing the louver.
(A receiving beep is heard.)
Press the SWING button to stop the louver swinging.
(A receiving beep is heard.)

7 Set louver button (FIX)

Press this button to adjust the airflow direction.
(A receiving beep is heard.) While this FIX button is kept depressed, the receiving tone continuously sounds.

8 Off timer button (OFF)

Press this button to set the OFF timer.

9 On timer button (ON)

Press this button to set the ON timer.

10 Reserve button (SET)

Press this button to reserve time settings.
(A receiving beep is heard.)

11 Cancel button (CLR)

Press this button to cancel ON timer and OFF timer.
(A receiving beep is heard.)

12 High power button (Hi POWER)

Press this button to start the high power operation.
This function is not operated group control.

13 PRESET button

Press this button to change the operation mode to the preferred operation mode memorized previously.
To memorize the operation mode, press this button for at least 3 seconds during the preferred operation mode.
Ⓟ is displayed and the operation mode is memorized.

14 COMFORT SLEEP button

Press this button to start the OFF timer operation that automatically adjusts the room temperature and the fan speed.
You can select the OFF timer time from four durations (1, 3, 5 or 9 hours).
During group control operation, the set temperature and the fan speed are not automatically adjusted. Only off timer function is activated.

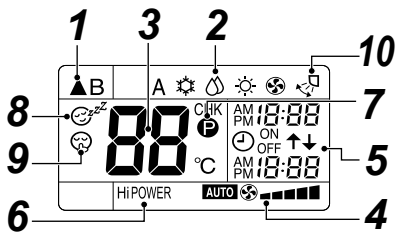
15 QUIET button

Press this button to start quiet operation.
Pressing this button again will restore normal operation.

■ Names and functions of indications on wireless remote controller

Display

All indications, except for clock time indication, are indicated by pressing the START/STOP button.



- In the illustration, all indications are indicated for explanation.
  During operation, only the relevant indications will be indicated on the remote controller.

1 **Transmission mark**

This transmission mark (▲) indicates when the remote controller transmits signals to the indoor unit.

2 **Mode display**

Indicates the current operation mode.
(A : Auto, : Cool, : Dry, : Heat, : Fan only)

3 **Temperature display**

Indicates the temperature setting (17°C to 30°C).
When you set the operating mode to : Fan only, no temperature setting is indicated.

4 **FAN speed display**

Indicates the selected fan speed. AUTO or one of five fan speed levels (LOW ■, LOW+ ■■, MED ■■■, MED+ ■■■■, HIGH ■■■■■) can be indicated.
Indicates AUTO when the operating mode is : Dry.

5 **TIMER and clock time display**

The time set for timer operation or clock time is indicated.
The present time is always indicated except for TIMER operation.

6 **Hi POWER display**

Indicates when the high power operation starts.
Press the Hi POWER button to start and press it again to stop the operation.

7 **Ⓟ (PRESET) display**

Indicated when memorizing the preferred operation mode or when it has been memorized.
Also, this icon is indicated when the memorized preferred operation is displayed.

8 **(COMFORT SLEEP) display**

Indicated during the OFF timer operation that automatically adjusts the room temperature and the fan speed. Each time you press the COMFORT SLEEP button, the display changes in the sequence of 1h, 3h, 5h, and 9h.

9 **(QUIET) display**

Indicated during the quiet operation.

10 **Swing display**

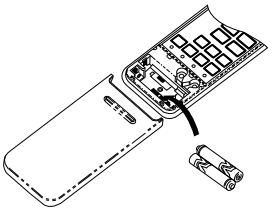
Indicated during the swinging operation where the horizontal louver automatically moves up and down.

NOTE

When both wired remote controller and wireless remote controller are used, display on the screen of wireless remote controller may differ from the actual operation in some cases.

■ Preparation and check before use

1. Loading Batteries
   - Remove the battery cover.
   - Insert 2 new batteries (R03 [AAA]) following the (+) and (-) positions.
2. Removing Batteries
   - Remove the battery cover.
   - Remove the 2 used batteries.



Batteries

- To replace the batteries, use two new batteries (R03 [AAA]).
- In normal use, the batteries will last about one year.
- Replace the batteries if there is no receiving beep from the indoor unit or when the air conditioner cannot be operated using the remote controller.
- To avoid malfunctions by battery leakage, remove the batteries when not using the remote controller for more than one month.
- Please dispose of the used batteries according to the local regulation.

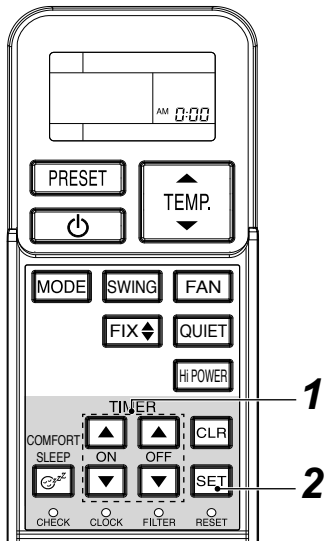
4 ADJUSTING CLOCK

Setting the clock

Before you start operating the air conditioner, set the clock of the remote controller using the procedures given in this section. The clock panel on the remote controller will indicate the time regardless of whether the air conditioner is in use or not.

■ Initial setting

When batteries are inserted in the remote controller the clock panel will indicate AM 0:00 and will flash.



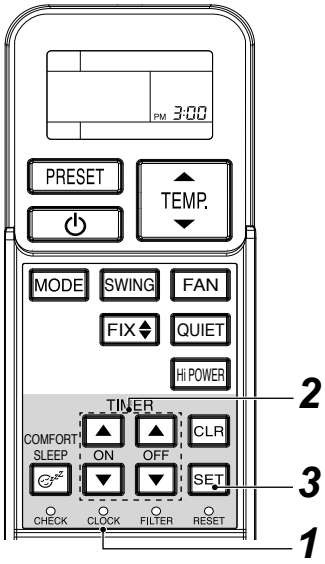
1 TIMER ON or OFF button

Press the TIMER ON or OFF button to set the current time.
Each press of the TIMER button changes the time in one minute steps.
Pressing the TIMER button continually changes the time in ten minute steps.

2 SET SET button

Press the SET SET button.
The current time is indicated and the clock starts.

■ Clock adjusting



1 CLOCK button

Press the CLOCK • by tip of a pencil.
The CLOCK display flashes.

2 TIMER ON or OFF button

Press the TIMER ON or OFF button to set the current time.
Each press of the TIMER button changes the time by one minute.
Pressing the TIMER button continually changes the time by ten minutes.

3 SET SET button

Press the SET SET button.
The current time is indicated and the clock starts.

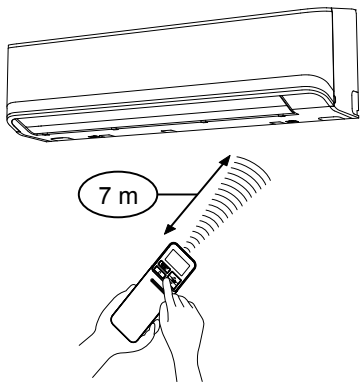
5 HANDLING THE REMOTE CONTROLLER

⚠ CAUTION

- The air conditioner will not operate if curtains, doors or other materials block the signals from the remote controller to the indoor unit.
- Prevent any liquid from falling into the remote controller.
  Do not expose the remote controller to direct sunlight or heat.
- If the infrared signal receiver on the indoor unit is exposed to direct sunlight, the air conditioner may not function properly.
  Use curtains to prevent the sunlight from reaching the receiver.
- If the room using the air conditioner has fluorescent lighting with electronic starters, signals may not be properly received. If you are planning to use such fluorescent lamps, consult your local dealer.
- If other electrical appliances react to the remote controller move these appliances or consult your local dealer.

■ Location of the remote controller

- Keep the remote controller where its signals can reach the receiver of the indoor unit (a distance of 7 m is allowed).
- When you select the timer operation, the remote controller automatically transmits a signal to the indoor unit at the specified time.
  If you keep the remote controller in a position that hinders proper signal transmission, a time lag of up to 15 minutes may occur.



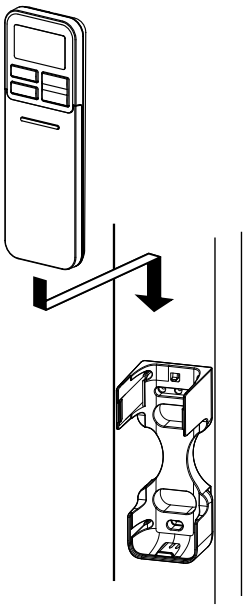
■ Remote controller holder

Installing the remote controller holder

- Before you actually install the remote controller holder on a wall or pillar, check whether the remote controller signals can be received by the indoor unit.

Mounting and removing the remote controller

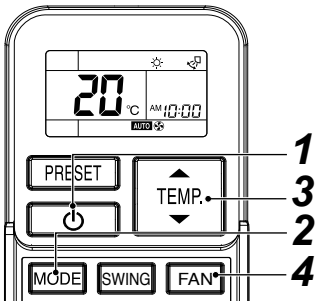
- To mount the remote controller hold it parallel to the remote controller holder and push it in fully.
- To remove the remote controller slide the remote controller upwards and out from the holder.



6 HOW TO USE REMOTE CONTROLLER

■ Cooling/heating/fan only operation

Start



1 **START/STOP button ( )**

Press this button to start the air conditioner.

2 **Mode select button (MODE)**

Select Cool, Heat, or Fan only.

3 **Temperature button ( )**

Set the desired temperature.
When the air conditioner is in FAN ONLY operation, the temperature display is not indicated.

4 **Fan speed button (FAN)**

Select one of AUTO LOW, LOW+, MED, MED+, HIGH.

- The ◯ OPERATION lamp on the display panel of the indoor unit goes on. And operation starts after approximately 3 minutes. (If you select FAN ONLY mode, the unit will start immediately.)
- The : Fan only mode does not control temperature.

Stop

START/STOP button ( )

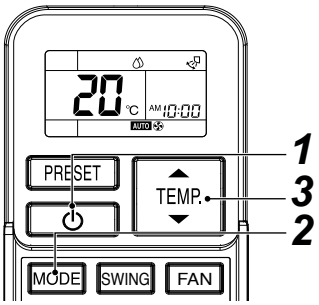
Press this button again to stop the air conditioner.

NOTE

When the indoor unit is operated together with a cooling only outdoor model outdoor unit, appears on the remote controller but the heating operation is disabled.

■ Dry operation

Start



1 **START/STOP button ( )**

Press this button to start the air conditioner.

2 **Mode select button (MODE)**

Select Dry.

3 **Temperature button ( )**

Set the desired temperature.

- The fan speed display indicates AUTO.
- The ◯ OPERATION lamp on the display panel of the indoor unit lights, and operation starts after approximately 3 minutes.

Stop

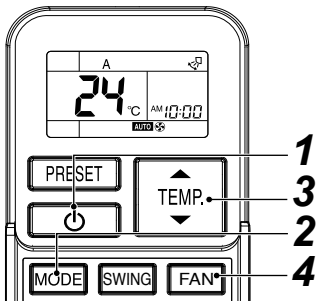
START/STOP button ( )

Press this button again to stop the air conditioner.

■ Automatic operation (auto changeover)

This function is available only for use in combination with a heat recovery model outdoor unit. If this function is used with another model of outdoor unit, "A" (Auto) appears on the remote controller but the automatic operation is disabled.

Start



1 **START/STOP button ( )**

Press this button to start the air conditioner.

2 **Mode select button (MODE)**

Select A.

3 **Temperature button ( )**

Set the desired temperature.

4 **Fan speed button (FAN)**

Select one of AUTO LOW ■, LOW+ ■■, MED ■■■, MED+ ■■■■, HIGH ■■■■■.

- The ◯ OPERATION lamp on the display panel of the indoor unit lights.
  The operating mode is selected in accordance with the room temperature and operation starts after approximately 3 minutes.
- If the "A" mode is uncomfortable, you can select the desired conditions manually.

Stop

START/STOP button ( )

Press this button again to stop the air conditioner.

⚠ CAUTION

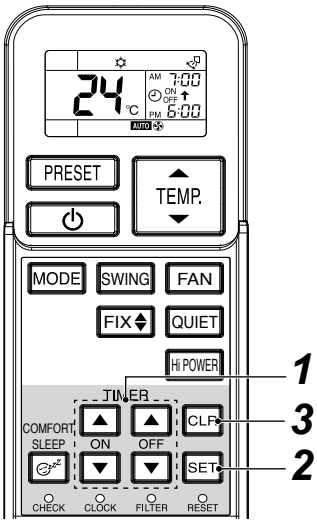
Disagreement in operation mode

If you select AUTOMATIC OPERATION in a model with no auto-changeover (cooling/heating) control setting or if you select HEAT in a Cool Only model, ◯ lamp lights up and ◴ and ✺ lamps blink alternately with an alarm sound (pi, pi) from the air conditioner due to disagreement in operation mode. Change the operation mode with the MODE button on the wireless remote controller. This disagreement indication cannot be deleted by the wired remote controller.

■ Timer operation

Use the wired remote controller for timer setting if it is also in use.

ON timer and OFF timer



Setting TIMER

1 **ON/OFF TIMER button (ON or OFF)**

Press the ON or OFF TIMER buttons as required.

- The previous timer setting is displayed and flashes along with ON/OFF timer display.

Set the timer to the desired time.
Each press of the TIMER button changes the time in ten minute steps.
Pressing the TIMER button continually changes the time in one hour step.

2 **SET SET button**

Press the SET SET button to set the timer.
The timer time is indicated and the timer starts.

Cancelling TIMER

3 **CLR CLR button**

Press the CLR CLR button to cancel the timer setting.

⚠ CAUTION

- When you select the timer operation, the remote controller automatically transmits the timer signal to the indoor unit at the specified time. Therefore, keep the remote controller in a location where it can transmit the signal to the indoor unit properly. Otherwise, the time lag of up to 15 minutes will occur.
- If you do not press the SET SET button within 30 seconds after setting the time, the setting will be cancelled.

Once you select the timer operation mode, the settings are saved in the remote controller. Thereafter, the air conditioner will start operating under the same conditions when you simply press the ON/OFF button of the remote controller.

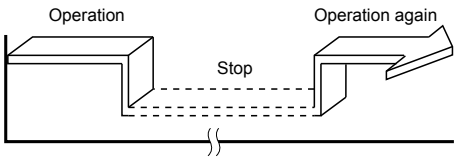
If the clock display is flashing, you cannot set the timer.
Follow the instructions in the section "SETTING THE CLOCK" and then set the timer.

Combined timer (Setting both ON and OFF timers simultaneously)

OFF timer → ON timer

(Operation → Stop → Operation)

This feature is useful when you want to stop the air conditioner after you go to sleep, and start it again in the morning when you wake up or you return home.
Example:
To stop the air conditioner and start it again next morning.



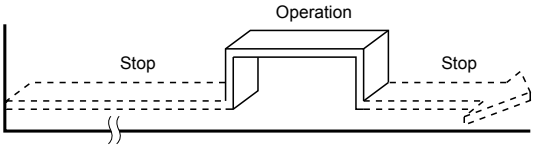
▼ Setting combined TIMER

1. Press the OFF TIMER button to adjust the OFF timer.
2. Press the ON TIMER button to adjust the ON timer.
3. Press the SET button.

ON timer → OFF timer

(Stop → Operation → Stop)

You can use this setting to start the air conditioner when you wake up and stop it when you leave the house.
Example:
To start the air conditioner next morning and stop it.



▼ Setting combined TIMER

1. Press the ON TIMER button to adjust the ON timer.
2. Press the OFF TIMER button to adjust the OFF timer.
3. Press the SET button.

- Either ON or OFF timer function which is closer to the current time, is activated first.
- If the same time is set for both ON and OFF timers, no timer operation is performed. Also, the air conditioner may stop operating.

Every day combined timer (setting both ON and OFF timer simultaneously and activate every day.)

This feature is useful when you want to use combined timer at the same time every day.

▼ Setting combined TIMER

1. Press the ON TIMER button to adjust the ON timer.
2. Press the OFF TIMER button to adjust the OFF timer.
3. Press the SET button.
4. After step 3, an arrow mark (↑ or ↓) flashes for about 3 seconds and during this flashing, press the SET button.

- During the every day timer is activating, both arrows (↑ , ↓) are indicated.

Cancel the timer operation

Press the CLR button.

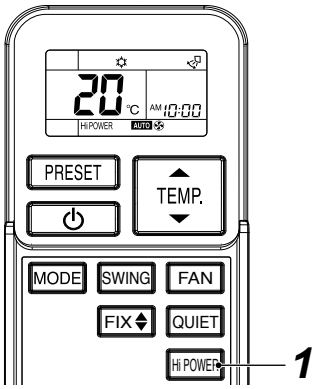
Clock display

During the TIMER operation (ON-OFF, OFF-ON, OFF timer) clock display is disappeared so as to show the setting time. To see the present time, press SET button briefly and the present time is displayed about 3 seconds.

■ High power operation

High power (Hi POWER)

- The Hi POWER (high power operation) mode automatically controls room temperature, airflow and operation mode so that the room is quickly cooled in summer and warmed in winter.



Setting Hi POWER mode

1 **Hi POWER button**

Press the Hi POWER button after starting any operation. At the same time, the "Hi POWER" mark on the remote controller is indicated.

Cancelling Hi POWER mode

1 **Hi POWER button**

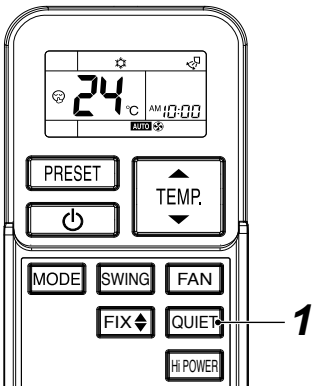
Press the Hi POWER button once again. At the same time, the "Hi POWER" mark on the remote controller goes out.

⚠ CAUTION

- The Hi POWER mode cannot be activated in the DRY and FAN ONLY operation and when the ON TIMER operation is reserved.
- Hi POWER mode is not available for group control.
  When Hi POWER is transmitted to the Header indoor unit, the receiving sound is heard but the Hi POWER mode will not be performed. Please cancel the Hi POWER mode.

■ Quiet operation

- The QUIET mode provides quiet operating status by automatically setting the fan speed to the lowest speed.



Setting QUIET mode

1 **QUIET button**

Press the QUIET button after starting any operation.
At the same time, the mark is indicated.

Cancelling QUIET mode

1 **QUIET button**

Press the QUIET button once again.
At the same time, the mark on the remote controller disappears.

⚠ CAUTION

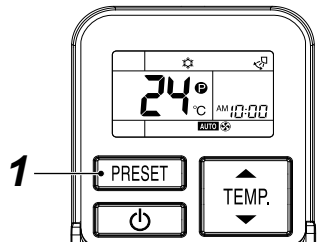
The QUIET mode cannot be activated in the DRY operation.

NOTE

Under certain conditions, the quiet operation may not provide adequate cooling or heating due to the feature of quietness.

■ Preset Operation

Set your preferred operation mode for future use. The setting is memorized by the unit for future operation (except airflow direction).



Select your preferred operation.

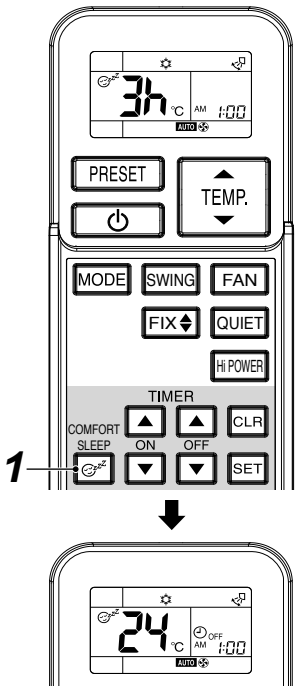
1 **Press the PRESET button for 3 seconds to memorize the setting.**

The Ⓟ mark is displayed.

When you press this button next time, the memorized operation mode will be enabled.

■ Comfort sleep operation

COMFORT SLEEP mode is a OFF timer operation with automatic temperature and fan speed adjustment.



1 **Press the COMFORT SLEEP button.**

Select 1, 3, 5 or 9 hours for the OFF timer operation.

⚠ CAUTION

The COMFORT SLEEP mode is not enabled in the DRY or FAN ONLY operation.

NOTE

- For the cooling operation, the set temperature will automatically increase 1 degree/hour for 2 hours (maximum 2 degrees increase). For the heating operation, the set temperature will decrease.
- During group control operation, the set temperature and the fan speed are not automatically adjusted. Only off timer function is activated.

■ Adjusting airflow direction

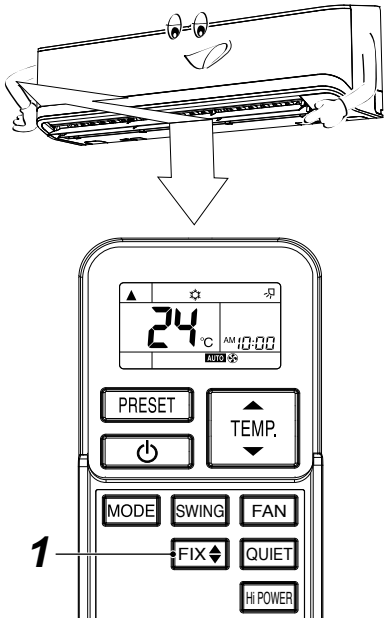
- Adjust the airflow direction properly. Otherwise, it might cause discomfort and make the room temperature uneven.
- Adjust the vertical airflow using the remote controller.
- Adjust the horizontal airflow manually.

Adjust the vertical airflow

The air conditioner automatically adjusts the vertical airflow direction in accordance with the operating conditions when AUTO or A mode is selected.

To set the airflow direction you desire

Perform this function when the air conditioner is in operation.



1 **FIX button**

Keep pressing or pressing briefly the FIX button on the remote controller to move the louver in the desired direction.

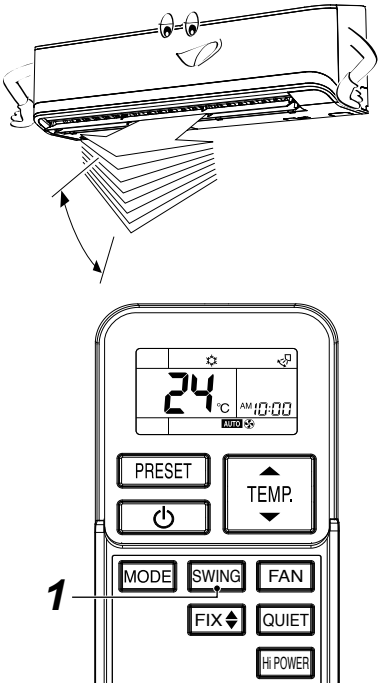
- In subsequent operations, the vertical airflow is automatically set in the direction to which you adjusted the louver using the FIX button.

NOTE

Operating angle of vertical airflow louver will be different during cooling, dry and heating operation.

To automatically swing the airflow direction

Perform this function when the air conditioner is in operation.



1 **SWING button**

Press the SWING button on the remote controller.

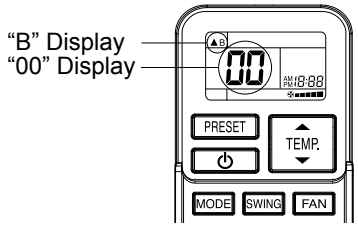
- To stop the function, press the SWING button.

■ Wireless remote controller A-B selection

Using 2 wireless remote controllers for the respective air conditioners, when the 2 air conditioners are closely installed.

Wireless remote controller B setup

1. Push the temporary operation button to start the air conditioner.
2. Point the wireless remote controller at the indoor unit.
3. Push and hold CHK● button on the wireless remote controller by the tip of the pencil. "00" will be shown on the display.
4. Push MODE button during pushing CHK●. "B" will be shown on the display and "00" will be disappear and the air conditioner will turn OFF. The wireless remote controller B is memorized.



NOTE

- Repeat above step to reset wireless remote controller to be A.
- The wireless remote controllers do not display "A".
- The factory default of the wireless remote controllers is "A".

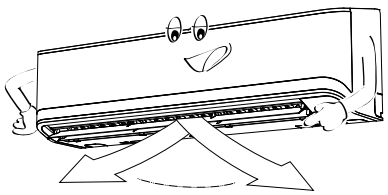
⚠ CAUTION

- The FIX and SWING buttons will be disabled when the air conditioner is not in operation (including when the ON timer is set).
- Do not operate the air conditioner for long hours with the airflow direction set downward during the cooling or dry operation.
  Otherwise, condensation may occur on the surface of the vertical airflow louver and cause dew dripping.
- Do not move the vertical airflow louver manually. Always use the FIX button. If you move the louver manually, it may malfunction during operation.
  If the louver malfunctions, stop the air conditioner once, and restart.
- When the air conditioner is started immediately after it was stopped, the vertical airflow louver might not move for 10 seconds or so.
- Louver operation is limited when performing group control. (see page 15)

■ Adjust the horizontal airflow

Preparation

- Take hold of the lever on the horizontal airflow louver and move them to adjust the airflow direction as required.
- You can adjust the airflow at the left, and right locations of the louver.

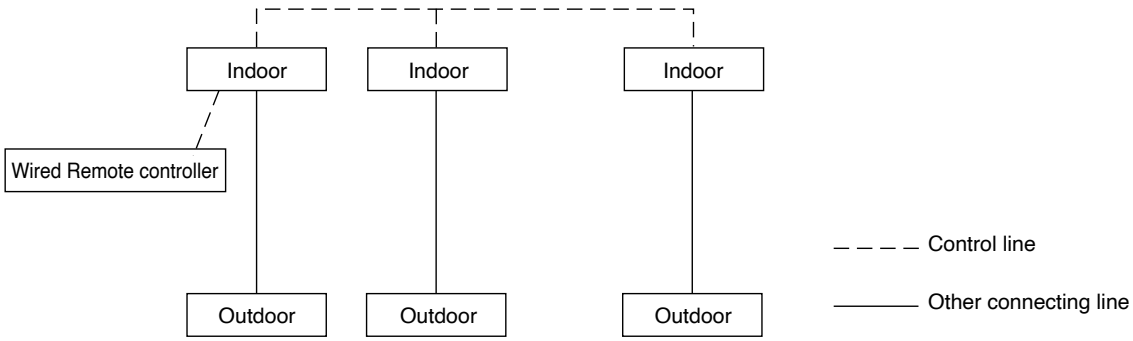


7 LIMITED OPERATION BY GROUP CONTROL

NOTE

Group control: Operate air conditioners in more than one system in same time.
Header indoor unit: The representative unit during group control. Receive commands from wired remote controller and transmit the commands to follower units.
(Header indoor unit is indoor unit that receives START/STOP signal from the wireless remote control.)
Follower indoor unit: Indoor units other than the Header unit are called follower unit.
A wired remote controller (separately available) is required for the group control.

▼ Example of group combination



⚠ CAUTION

When using indoor unit in group control,

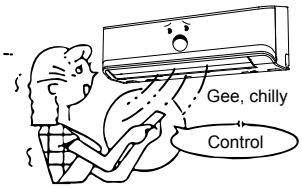
1. **Hi POWER operation will not function.**
   When Hi POWER is transmitted from wireless remote controller the receiving sound will be heard from the indoor unit and display on the wireless remote controller will also change. However, the indoor unit does not operate Hi POWER operation. Restore the display on the wireless remote controller pushing Hi POWER button.
2. **COMFORT SLEEP**
   When COMFORT SLEEP is transmitted from wireless remote controller, the receiving sound will be heard from the indoor unit and the display on the wireless remote controller will also be changed as same as Hi POWER operation. However, the set temperature and the fan speed will not be automatically adjusted. Only off timer function is activated.
3. **Units other than the Header unit cannot be operated with remote controller and the TEMPORARY operation.**
   When operating air conditioner with wireless remote controller transmission should be sent to the Header unit.
   Header and follower indoor units are decided through address setting upon installation. Follower unit will not receive any signals from wireless remote controller.
   Air conditioner will not work even if the [RESET] button on the follower unit is pressed.
   (Some Follower units may receive SWING and FIX, but these operations are performed only on the unit that received the signal.)
   (When wireless remote controller is used, only the Header unit receives SWING signal. If the SWING signal is transmitted to follower unit, the sound to refuse receiving signal (3 beeps) is heard and the follower unit does not receive the signal.
   For FIX operation, both Header and follower unit perform the operation by itself. When wired remote controller is used, airflow direction can be changed on each unit by selecting the indoor unit.)
4. **TIMER lamp lights up only on the Header unit.**
   When the timer is set with wired remote controller, even the TIMER lamp on the Header unit will not light up.

8 HINTS FOR ECONOMICAL OPERATION

■ Maintain room temperature at comfortable level

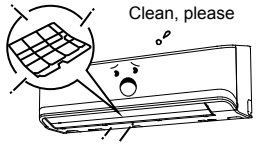
Clean air filters

The clogged air filters impairs the performance of the air conditioner.
Clean them once two weeks.



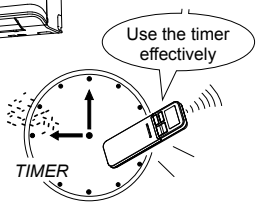
Never open doors and windows more often than necessary

To keep cool or warm air in the room, never open doors and windows more often than necessary.



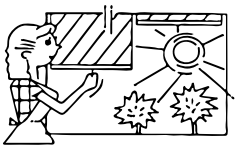
Window curtains

In cooling, close the curtains to avoid direct sunlight.
In heating, close the curtains to keep the heat in.



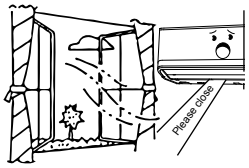
Use the timer effectively

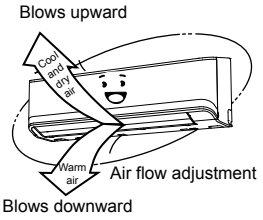
Set the timer for the desired operating time.



Get uniform circulation of room air

Adjust airfl
air.



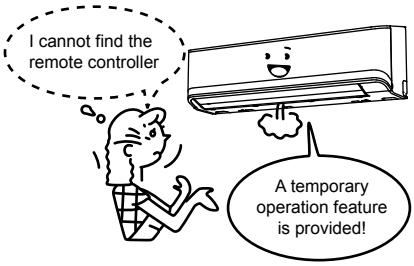


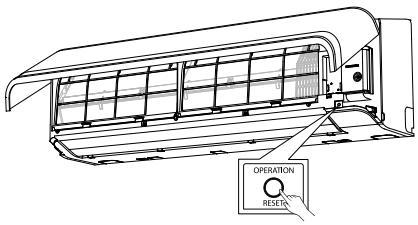
9 TEMPORARY OPERATION

■ TEMPORARY operation

This function is used to operate the unit temporarily in case you misplace the wireless remote controller or its batteries are exhausted.

- Push the [RESET] button once (less than 3 seconds) to start the air conditioner.
- The last operation conducted with the wireless remote controller will be performed. (When wireless remote controller is not used, models with the auto-changeover (cooling/heating) function perform "A" operation, and those without the function perform cooling operation (set temperature: 24°C, fan: HIGH).)





⚠ CAUTION

Continuous pressing of the [RESET] button for 10 seconds and above will start the forced cooling operation.
(This will impose burden on the air conditioner. Do not perform this for the purposes other than test run.)
In this time all indicators of indoor unit go on.

10 MAINTENANCE

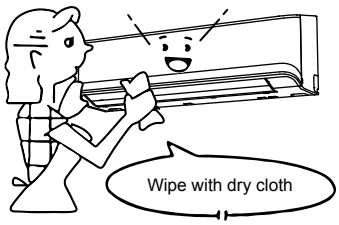
⚠ WARNING

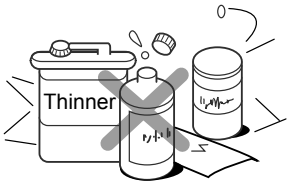
Before cleaning the air conditioner, to turn off the circuit breaker or main power switch.
After the cooling or dry auto (cooling) operation has finished, the self clean operation is performed and the fan starts running. Before cleaning the unit, stop the self clean operation forcibly and turn off the circuit breaker to avoid electric shock.
To clean the air filter and the air intake grille, do not remove them at the same time. You may touch the aluminum fin of the unit and result in injury.

■ Cleaning of indoor unit and remote controller

⚠ CAUTION

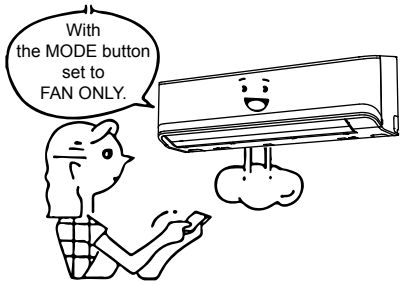
- Use a dry cloth to wipe the indoor unit and remote controller.
- A cloth dampened with cold water may be used on the indoor unit if it is very dirty.
- Never use a damp cloth on the remote controller.
- Do not use a chemically-treated duster for wiping or leave such materials on the unit for long. It may damage or fade the surface of the unit.
- Do not use benzine, thinner, polishing powder, or similar solvents for cleaning.
  These may cause the plastic surface to crack or deform.





If you will not use the unit for at least 1 month

1. Operate the air conditioner in FAN ONLY mode for about half a day to dry the inside of the unit.
2. Stop the air conditioner and turn off the main power switch.
3. Remove the batteries from the remote controller.

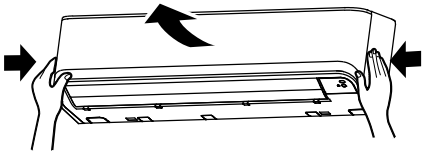


■ Cleaning the air filter

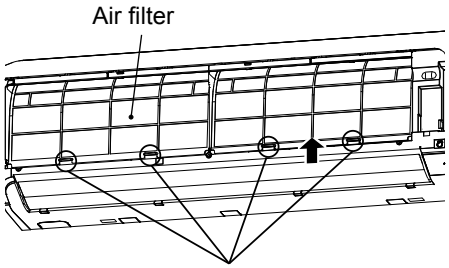
Clean the air filters every 2 weeks. If the air filters are covered with dust, the performance of the air conditioner will deteriorate.

Clean the air filters as often as possible.

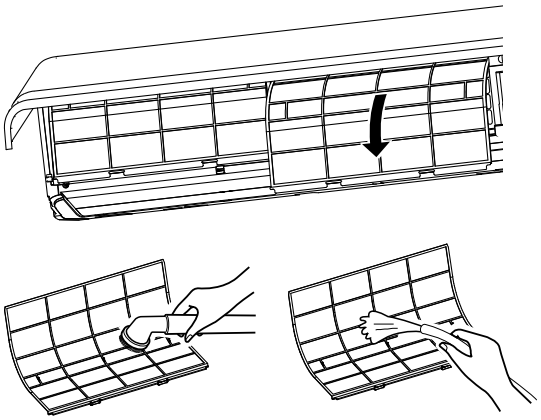
1. Open the air inlet grille.
   Lift the air inlet grille up to the horizontal position.



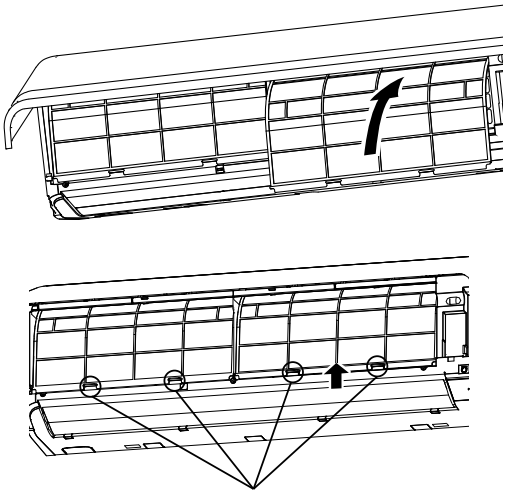
2. Take hold of the left and right handles of the air filter and lift it up slightly, then pull it downward to take it out from the filter holder.



3. Use a vacuum cleaner to remove the dust from the filters or wash them with water.
   If you wash the air filters, dry them in the shade.



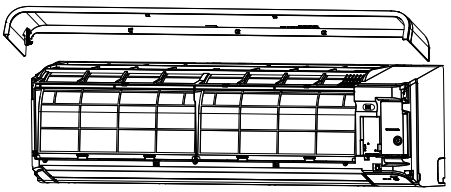
4. Insert the upper portion of air filter confirming to fit its right and left edges on the indoor unit until it is firmly set.



5. Close the air inlet grille.

■ Cleaning the air inlet grille

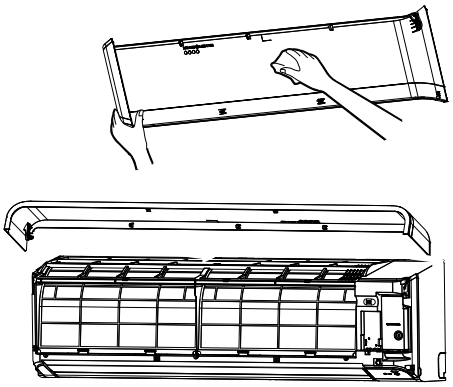
1. Remove the air inlet grille.
   Hold the two sides of the air inlet grille and open upwards.



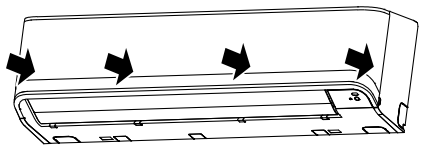
2. Wash it with water using a soft sponge or towel. (Do not use metallic scrubbing brush or other hard brushes.)
   - Use of such hard objects will cause scratches on the surface of the grille, and the metal coating to peel off.
   - If very dirty, clean the air inlet grille with a neutral detergent for kitchen use, and rinse it off with water.

3. Wipe out water from the air inlet grille and dry it.

4. Fit the left and right arms of the air inlet grille to the shafts on the two sides of the air conditioner and push in completely.



5. Close the air inlet grille.
   • Push the arrow locations (Four) at the bottom of the air inlet grille to check whether the grille is completely closed.



◆ When not used for a long time

1. Perform the fan operation for a couple of hours to dry inside.
2. Push ⏻ON / OFF button on the remote controller to stop running, and turn off the circuit breaker.
3. Clean the air filters and reinstall them.

Before the cooling season
Clean the drain pan
Contact the dealer where you purchased the product.
(Drain does not work if the drain pan or vent is clogged. In some cases the drain may overflow and wet the wall or floor. Clean the drain pan before the cooling season.)

◆ Check periodically

- If the unit is used for a long time, parts may deteriorate and cause malfunction or bad drainage of dehumidified water depending on the heat, humidity, or dust.
- In addition to the usual maintenance, it is recommended that you have the unit checked and maintained by the dealer where you purchased it.

NOTE

For environmental conservation, it is strongly recommended that the indoor and outdoor units of the air conditioner in use be cleaned and maintained regularly to ensure efficient operation of the air conditioner.
When the air conditioner is operated for a long time, periodic maintenance (once a year) is recommended. Furthermore, regularly check the outdoor unit for rust and scratches, and remove them or apply rustproof treatment, if necessary.
As a general rule, when an indoor unit is operated for 8 hours or more daily, clean the indoor unit and outdoor unit at least once every 3 months. Ask a professional for this cleaning / maintenance work. Such maintenance can extend the life of the product though it involves the owner's expense.
Failure to clean the indoor and outdoor units regularly will result in poor performance, freezing, water leakage, and even compressor failure.

11 TROUBLES AND CAUSES

For contents of the outdoor unit, combinations, etc., refer to the owner's manual supplied with the outdoor unit.

⚠ CAUTION

If any of the following conditions occur, stop the air conditioner immediately, set to off the main power switch and contact the dealer:

- Switch operation are erratic.
- The main power fuse often blows out, or the circuit breaker is often activated.
- Foreign matter or water has fallen inside the air conditioner.
- Any other unusual condition is observed.
- Abnormal display appears on the remote controller display while using wired remote controller.

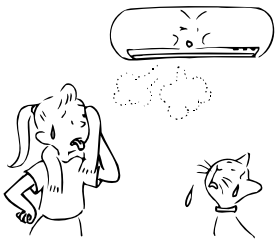
Before you ask for servicing or repairs, check the following points.

▼ Recheck

Inoperative

- The power main switch is turned off. (Indoor)
- The circuit breaker is activated to cut off the power supply.
- The main power fuse has blown out.
- Stoppage of electric current.
- The batteries in the remote controller are exhausted.
- ON TIMER is set.
- Signal is sent to the follower indoor unit with the remote controller. (see page 15)
- Operation of the indoor unit is limited by the wired remote controller that is controlling some other system. (When signal is transmitted, warning sound (5 beeps) will be heard.)
- Disagreement in operation mode occurred. (When the operation mode disagrees, the "◯ OPERATION" lamp lights up, and the "◴ TIMER" and " Preheat/Defrost" lamps blink alternately with an alarm sound.) (see page 3)

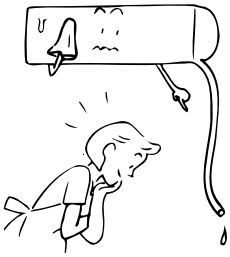
Poor cooling or heating performance



- Doors or windows are opened.
- The air filter is clogged with dust.
- The louver is not at the correct position.
- The fan speed is set to low.
- The air conditioner is set in the QUIET or DRY mode.
- The set temperature is too high. (In cooling operation)
- The set temperature is too low. (In heating operation)
- (Only when the air is not cooled even during cooling operation) When another indoor unit in the same system is heating.

▼ These are not failures.

The back of indoor unit is dewed.



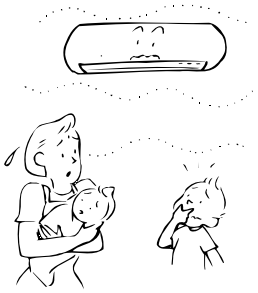
- Dewdrops on the back of the indoor unit are automatically collected and drained out.

Indoor unit or outdoor unit makes a strange noise.

- When temperature sharply changes, the indoor or outdoor unit occasionally makes a strange noise because of expansion/contraction of parts or change of refrigerant flow.
- When louver is operating in SWING mode, airflow noise tone may be changed. It cause by airflow direction is continuing changed.

The room air is smelly.

A bad odor comes from the air conditioner.



- Smells impregnated in the wall, carpet, furniture, clothing, or furs, are coming out.

Louver does not work in the FIX or SWING mode.

- The FIX and SWING modes are restricted under the group control. (see page 15)

Fan and louvers of the indoor unit moves when the unit is not operated.

- When the other indoor unit(s) is operating within the system, a fan of switched off indoor unit may temporary operate.

12 SPECIFICATIONS

Model	Sound pressure level (dBA)		Weight (kg)
	Cooling	Heating	
MMK-UP0271HP-E	*	*	21
MMK-UP0301HP-E	*	*	21
MMK-UP0361HP-E	*	*	21

* Under 70 dBA

Product information of ecodesign requirements. (Regulation (EU) 2016/2281)
http://ecodesign.toshiba-airconditioning.eu/en

Declaration of Conformity

Manufacturer: CARRIER AIR CONDITIONING (THAILAND) CO., LTD.
144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD,
TAMBOL BANGKADI, AMPHUR MUANGPATHUMTHANI,
PATHUMTHANI 12000, THAILAND

TCF holder: Carrier RLC Europe S.A.S
Immeuble Le Cristalia 3 rue Joseph Monier
92500 Rueil-Malmaison FRANCE

Hereby declares that the machinery described below:

Generic Denomination: Air Conditioner

Model / type: MMK-UP0271HP-E, MMK-UP0301HP-E, MMK-UP0361HP-E

Commercial name: Super Modular Multi System Air Conditioner
Super Heat Recovery Multi System Air Conditioner
Mini-Super Modular Multi System Air Conditioner (MiNi-SMMS series)

Complies with the provisions of the Machinery Directive (Directive 2006/42/EC) and the regulations transposing into national law

Name: Kazunari Watanabe
Position: GM, Quality Assurance Dept.
Date: 2 May, 2024
Place Issued: Thailand

NOTE

This declaration becomes invalid if technical or operational modifications are introduced without the manufacturer's consent.

Declaration of Conformity

Manufacturer: CARRIER AIR CONDITIONING (THAILAND) CO., LTD.
144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD,
TAMBOL BANGKADI, AMPHUR MUANGPATHUMTHANI,
PATHUMTHANI 12000, THAILAND

TCF holder: Carrier Solutions UK Ltd.
Porsham Close, Belliver Industrial Estate,
PLYMOUTH, Devon,
PL6 7DB, United Kingdom

Hereby declares that the machinery described below:

Generic Denomination: Air Conditioner

Model / type: MMK-UP0271HP-E, MMK-UP0301HP-E, MMK-UP0361HP-E

Commercial name: Super Modular Multi System Air Conditioner
Super Heat Recovery Multi System Air Conditioner
Mini-Super Modular Multi System Air Conditioner (MiNi-SMMS series)

Complies with the provisions of the Supply of Machinery (Safety) Regulations 2008

Name: Kazunari Watanabe
Position: GM, Quality Assurance Dept.
Date: 2 May, 2024
Place Issued: Thailand

NOTE

This declaration becomes invalid if technical or operational modifications are introduced without the manufacturer's consent.

CARRIER AIR CONDITIONING (THAILAND) CO., LTD.

144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI, AMPHUR MUANGPATHUMTHANI, PATHUMTHANI 12000, THAILAND

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