This air conditioner complies with EMC Directive 89/336/EEC, LV Directive 73/23/EEC.


Dieses Klimagerät erfüllt die EMC Direktiven 89/336/EEC, LV Direktiven 73/23/EEC.

Questo condizionatore d'aria è conforme alla Direttive EMC 89/336/EEC, LV Direttive 73/23/EEC.

Este acondicionador de aire cumple con la directiva EMC 89/336/EEC, LV Directiva 73/23/EEC.

Este aparelho de ar condicionado está em conformidade com a Diretiva EMC 89/336/CEE e a Diretiva LV 73/23/EEC.

Acesta aeri klimatizator spune conforme cu directivele EM, 89/336/EEC, LV Direcția 73/23/EEC.

Questo condizionatore d'aria è conforme alle Direttive EMC 89/336/EEC, LV Direttive 73/23/EEC.

Este aparat de aer conditionat este în conformitate cu directivele EM, 89/336/EEC, LV Direcția 73/23/EEC.
Thank you for purchasing a MITSUBISHI HEAVY INDUSTRIES, LTD. Air-Conditioner. To get the best long-lasting performance, read and follow this User's Manual carefully before using your air-conditioner. After reading, please store the Manual in a safe place and refer to it for operational questions or in the event of any irregularities.

This air-conditioner is intended for domestic use.

An alternative refrigerant (R410A) is used in this air-conditioner. When asking the dealer for service or inspection and maintenance, explain the dealer about this matter.

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Safety precautions

- Before starting to use the system, please read these “Safety precautions” carefully to ensure proper operation of the system.
- The safety precautions are classified as “DANGER” and “CAUTION”. Precautions as shown in the column “DANGER” indicate that improper handling could have dramatic consequences like death, serious injury, etc. Nevertheless, even precautions as shown in the column “CAUTION” might pose a serious problem, depending on the circumstances. Please observe these precautions with great care, since they are essential to your safety.
- Symbols which appear frequently in the text have the following meaning:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>∆</td>
<td>DANGER</td>
</tr>
<tr>
<td>!</td>
<td>CAUTION</td>
</tr>
</tbody>
</table>

- When you have read the instruction manual, please keep it near at hand for consultation. If someone else takes over as operator, make certain that the manual is also passed on to the new operator.

### INSTALLATION PRECAUTIONS

#### DANGER

- The system is meant for domestic, residential etc. use.

  ![Diagram of system installation](Diagram)

  If used in inferior environments, such as an engineering workplace, the equipment may function poorly.

- The system must be installed by your dealer or a qualified professional.

  ![Diagram of system installation](Diagram)

  It is not advisable to install the system yourself, as faulty handling may cause leakage of water, electric shock or fire.

#### CAUTION

- Do not install near places where inflammable gas may leak.

  ![Diagram of gas leak](Diagram)

  Gas leaks may cause fire.

- Depending on the place of installation, a circuit breaker may be necessary.

  ![Diagram of circuit breaker](Diagram)

  If you don’t fit a circuit breaker, you may cause an electric shock.

- Make sure that you drain the hose properly, so that all the water has dripped out.

  ![Diagram of hose drainage](Diagram)

  Negligence may cause flooding in the room resulting in wet furniture.

- Make sure that the system has been properly earthed.

  ![Diagram of earth cables](Diagram)

  Earth cables should never be connected to a gas pipe, municipal water pipe, lighting conductor or telephone earth cable. Incorrect installation of the earth cable may produce an electric shock.

### OPERATION PRECAUTIONS

#### DANGER

- Do not expose yourself to the cooling air for prolonged periods.

  ![Diagram of cooling air](Diagram)

  This could affect your physical condition and cause health problems.

- Do not insert anything into the air inlet.

  ![Diagram of air inlet](Diagram)

  This may cause injury, as the internal fan rotates at high speed.

- Store the remote control out of reach of infants.

  ![Diagram of remote control](Diagram)

  Failure to observe this may result in the batteries being swallowed or other accidents.

#### CAUTION

- Only use approved fuses.

  ![Diagram of fuse](Diagram)

  Use of steel or copper wire instead of an approved fuse is strictly forbidden, as it may cause a breakdown or fire.

- Do not handle the switches with wet hands.

  ![Diagram of wet hands](Diagram)

  This may cause an electric shock.

- Don’t swing from the system.

  ![Diagram of system swing](Diagram)

  If the system falls down, you may get injured.
Safety precautions

**CAUTION**

- Do not place a combustible insecticide or paint spray near the blower, nor aim it directly at the system.
- You should not expose any combustion appliance directly to the air stream of the air-conditioner.
- Do not wash the air-conditioner with water.

- The system should only be used for its original purpose and not for anything else like, for instance, preservation of food, plants or animals, precision devices or works of art.
- Do not place anything containing water, like vases, on top of the unit.
- Do not install the system at a place where the air stream of the blower is aimed directly at plants or animals.

- Do not sit on the outdoor unit nor put anything on it.
- After a long period of use, check the unit’s support structure from time to time.
- Do not touch the aluminum fins on the air heat exchanger.

- Do not place objects near the outdoor unit or allow leaves to gather around the unit.
- If you operate the system together with a combustion appliance, you must regularly ventilate the indoor air.
- If you don’t repair any damage straightaway, the unit may fall down and cause personal injury.

- If the unit falls down or things drop off it, people could get hurt.
- If the unit is only intended for use in ordinary domestic rooms. Any other use of the system may damage the quality of food, etc.
- Water entering the unit could damage the insulation and therefore cause an electric shock.

- If you don’t repair any damage straightaway, the unit may fall down and cause personal injury.
- If you don’t repair any damage straightaway, the unit may fall down and cause personal injury.
- This will damage their health.

- Insufficient ventilation may cause accidents due to oxygen deficiency.
- Stand firmly on a stepladder or other stable object when removing the inlet panel and filters.
- Do not place a combustible insecticide or paint spray near the blower, nor aim it directly at the system.

- Failure to observe this may result in injury through insecure objects toppling over.
- The appliance may then work inadequately.
- This could cause an electric shock.

**DANGER**

- Consult your dealer for repairs to the system.
- If the air-conditioner is moved elsewhere, contact your dealer or a professional fitter.
- If you notice anything abnormal (smell of burning, etc.), stop the system, turn off the power switch and consult your dealer.

- Wrong repairs could cause an electric shock, fire, etc.
- Faulty installation may cause water leakage, electric shock, fire, etc.
- Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc.

- If the air-conditioner is moved elsewhere, contact your dealer or a professional fitter.
- If you notice anything abnormal (smell of burning, etc.), stop the system, turn off the power switch and consult your dealer.

- Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc.
# Choice of operations and features

## Choice of operations

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAT</td>
<td>The unit draws in heat from the outside air, transfers it inside and heats the room.</td>
</tr>
<tr>
<td>COOL</td>
<td>Cooling by extracting heat from the room.</td>
</tr>
<tr>
<td>DRY</td>
<td>Drying by extracting damp from the room.</td>
</tr>
<tr>
<td>FAN</td>
<td>Fanning by circulating room air.</td>
</tr>
<tr>
<td>AUTO</td>
<td>Automatic selection of operating mode.</td>
</tr>
</tbody>
</table>

## Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amenity facility</td>
<td>When using the timer to switch on, the system should become operational shortly before the set time, depending on the room temperature so that the desired temperature should be reached at the set time.</td>
</tr>
<tr>
<td>TIMER procedure</td>
<td>There are three timers, for SLEEP, ON and OFF. They can be set as desired.</td>
</tr>
<tr>
<td>HIGH POWER mode</td>
<td>Turning up the power operates the air-conditioner in the power cooling and heating mode.</td>
</tr>
</tbody>
</table>
| Adjustment of airflow | - MULTI-DIRECTIONAL AIR FLOW  
                           - SWING FLAP  
                           - SWING LOUVER  
                           - MEMORY FLAP (FLAP OR LOUVER STOPPED)  
                           This function sets the unit at the most suitable angle for blowing, imitating a natural breeze. |
| ECONOMY mode     | This is an economic level of operation.                                       |
Name of each part and its function

INDOOR UNIT
SRK63ZE-S1
SRK71ZE-S1

Air outlet panel
抽入风用。

Unit indication section and remote control signal receiver

Wireless remote control

Air filter

Photocatalytic washable deodorizing filter

Allergen clear filter

Room temperature detector

Unit operation switch

Air outlet

Left/right air flow adjustment fin

Up/down air flow direction adjustment flap

Drain hose

Refrigerant piping connection electric flex

OUTDOOR UNIT
SRC63ZE-S1
SRC71ZE-S1

Air inlet

(on side & rear surface)

Air outlet

Accessories

Battery (R03×2)

Wood screw (Quantity:2)
(for remote control holder mounting)

Allergen clear filter
(Light orange)

Photocatalytic washable deodorizing filter (Orange)
How to open the air inlet panel

Place fingers at the recesses on both sides of the panel and pull up the panel to this side so that it will be opened by about 60 degrees.

How to close the air inlet panel

Push both sides evenly and press further lightly at the center.

Removal, installation of air inlet panel

When removing the air inlet panel for internal cleaning or others, open the panel by 80 degrees and then pull it to this side.

Secure either the upper or lower edge of the air inlet panel by lightly pushing it in, and then close the panel.

Unit indication section

- HI POWER light (green)
  Illuminates during HIGH POWER operation.

- ECONO light (orange)
  Illuminates during ECONOMY operation.

- RUN (HOT KEEP) light (green)
  - Illuminates during operation.
  - Blinks at air flow stop due to the ‘HOT KEEP’ and ‘CLEAN’ operation.

- TIMER light (yellow)
  Illuminates during TIMER operation.

Unit ON/OFF button

In emergencies, this button can be used for turning on/off the unit when remote control is not available.

Page 20
Operation and indication section for remote control

**Operation section**

- **FAN SPEED button**
  
  Each time the button is pushed, the indicator is switched over in turn.

- **OPERATION MODE select button**
  
  Each time the button is pushed, the indicator is switched over in turn.

- **HI POWER/ECONO button**
  
  This button changes the HI POWER/ECONO mode.

- **ALLERGEN CLEAR button**
  
  This button selects ALLERGEN CLEAR operation.

- **TEMPERATURE button**
  
  This button sets the room temperature.  
  (This button changes the present time and TIMER time.)

- **SLEEP button**
  
  This button changes to SLEEP operation.

- **CLEAN switch**
  
  This switch changes the CLEAN mode.

- **ON TIMER button**
  
  This button selects ON TIMER operation.

- **OFF TIMER button**
  
  This button selects OFF TIMER operation.

- **CANCEL button**
  
  This button cancels the ON timer, OFF timer, and SLEEP operation.

- **RESET switch**
  
  Switch for resetting microcomputer.

**Indication section**

- **TEMPERATURE indicator**
  
  Indicates set temperature.
  (Does not indicate temperature when operation mode is on AUTO)

- **FAN SPEED indicator**
  
  Indicates set air flow rate with lamp.

- **ALLERGEN CLEAR indicator**
  
  Indicates during ALLERGEN CLEAR operation.

- **CLEAN indicator**
  
  Indicates during CLEAN operation.

- **SLEEP indicator**
  
  Indicates during SLEEP operation.

- **OPERATION MODE indicator**
  
  Indicates selected operation with lamp:
  
  - AUTO
  - COOL
  - DRY
  - FAN

- **TIME indicator**
  
  Indicates present time or timer setting time.

- **AIR FLOW indicator**
  
  Shows selected flap and louver setting time.

- **HI POWER/ECONO MODE indicator**
  
  Indicates during HI POWER/ECONO mode operation.

**Transmission procedure**

When each button on the remote control is pressed – with the remote control pointing towards the air-conditioner unit – a signal is transmitted. When the air-conditioner receives the signal correctly, it will beep.
Temperature adjustment during AUTO

- Air temperature adjustment is possible even during automatic operation. There are 6 levels of adjustment possible with the button or the button.

1. Press the button.

When a change in temperature is desired.

- Each time the button is pressed, the switch over occurs in the following order:

- +6 → +5 → ............ +1 → ±0 → ±1 → ......... +6.

When +6 is indicated, even if the button is pressed, the indicator does not change.

2. Press the button.

When it is a little hot

- Each time the button is pressed, the switch over occurs in the following order:

- +6 → +5 → ............ +1 → ±0 → ±1 → ......... +6.

When -6 is indicated, even if the button is pressed, the indicator does not change.

About FAN SPEED

- You can choose the capacity of your air-conditioner when heating, cooling or fan.

<table>
<thead>
<tr>
<th>Operation capacity by your choice</th>
<th>FAN SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto automatically by microcomputer</td>
<td>AUTO</td>
</tr>
<tr>
<td>Powerful operation with high capacity</td>
<td>HI</td>
</tr>
<tr>
<td>Standard operation</td>
<td>MED</td>
</tr>
<tr>
<td>Energy-saving operation</td>
<td>LO</td>
</tr>
<tr>
<td>Silent operation</td>
<td>ULO</td>
</tr>
</tbody>
</table>

Press the FAN SPEED button.

Move the [ ] mark to the desirable fan speed position.
COOL/HEAT/DRY/FAN mode operation procedure

Aim the remote control at the air-conditioner.

1. Press the MODE select button.
   Move the [ ] mark to the desirable operation position.
   • (Cool), • (Heat), • (Dry), • (Fan)

2. Press the ON/OFF button.

3. Press the TEMP button.
   Press or button for the desired temperature.
   Standard
   COOL 26°C-28°C 30°C 22°C-24°C 30°C 21°C-24°C 36°C

4. Press the FAN SPEED button
   Set the fan speed as desired.

To stop: Press the ON/OFF button.

Program changing procedure
Set the new program.
• The operation program can also be set or changed when the air-conditioner is not in operation.

Air flow direction adjustment procedure

NOTE
• The air is not blown out during the operation.

Air-conditioner operating conditions

Use within the following operational range. Operating outside of this range may result in the protection devices being activated, preventing the unit from working.

<table>
<thead>
<tr>
<th>Outside temperature</th>
<th>Heating operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approximately -15 to 46 °C</td>
<td>Approximately -15 to 21 °C</td>
</tr>
<tr>
<td>Inside temperature</td>
<td>Approximately 15 to 30 °C</td>
</tr>
<tr>
<td>Approximately 18 to 32 °C</td>
<td></td>
</tr>
<tr>
<td>Inside humidity</td>
<td>Below approximately 80%</td>
</tr>
<tr>
<td>The long-term use of the unit with a humidity level exceeding 80% may result in condensation forming on the surface of the indoor unit, leading to water drips.</td>
<td></td>
</tr>
</tbody>
</table>

Characteristics of HEAT mode operation

Mechanism and capacity of HEAT mode operation

Mechanism
• The unit draws in heat from the cold outside air, transfers it indoors and heats the room. The heating capacity of the heat pump mechanism decreases when the outside air temperature gets colder.
• The hot air circulation system takes a while before warming up the room temperature.
• If the outside temperature becomes extremely low, it would be better to use an additional source of heating.

Defrosting
If the outside temperature becomes low and humidity is high, the heat exchanger in the outdoor unit may frost over, which prevents efficient heating.

If this happens, the automatic defroster is activated and during defrosting the heating operation stops for 5 to 10 minutes.
• Both indoor and outdoor fans stop and the RUN light (green) blinks slowly (1.5 sec. ON, 0.5 sec. OFF) during defrosting.
• The outdoor unit may give off some steam during defrosting. This is to help the defrosting process and is not a defect.
• The HEAT operation resumes as soon as defrosting has been completed.
Air flow direction adjustment procedure

Adjusting air flow direction

- Updown direction can be adjusted with the AIRFLOW (UP/DOWN) button on the remote control. Each time you press this button, the mode changes as follows:
  
  Change to AIRFLOW (UP/DOWN) mode.

- Left/right direction can be adjusted with the AIRFLOW (LEFT/RIGHT) button on the remote control. Each time you press this button, the mode changes as follows:
  
  Change to AIRFLOW (LEFT/RIGHT) mode.

NOTE

- When heating operation starts, the cold air outlet is blocked, so the flap and louver move to the horizontal / center position, and resume the position that was set after the warm air output begins.
- When the compressor stops because the room temperature is higher than the temperature setting, and it is in DEFROSTING operation, the flap and louver will be in the horizontal / center position.
- The air flow direction cannot be set in the instances above. Change the air flow direction settings after the warm air starts flowing and it moves to the airflow direction that had been set.

Multi-directional Air Flow (up/down air scroll and left/right air scroll)

- Activating both up/down air swing and left/right air swing at the same time results in a multi-directional air flow.

Up/down air scroll

- In COOL, DRY and FAN operation
- In HEAT operation

Left/right air scroll

- In COOL, DRY and FAN operation
- In HEAT operation

Thick line: moves quickly
Thin line: moves slowly

MEMORY FLAP (FLAP OR LOUVER STOPPED)

When you press the AIRFLOW (UP/DOWN or LEFT/RIGHT) button once while the flap or louver is operating, it stops swinging at an angle. Since this angle is memorized in the microcomputer, the flap or louver will automatically be set at this angle when the next operation is started.

DANGER

- Avoid constant airflow to the body for hours on end.

CAUTION

- When in COOL or DRY operation, do not operate for hours on end with the air flow blowing straight down. Otherwise, condensation may appear on the outlet grill and drip down.
- Do not try to adjust the flaps and louveres by hand, as the control angle may change or the flap or louver may not close properly.

Recommended angle of the flap when stopping

HEAT (Slant forward blowing)

COOL, DRY (Horizontal blowing)
### SLEEP operation procedure

- The unit stops automatically at the end of the set period of time.
  - The room temperature is automatically controlled when the set time lapses, so that the room does not become too cold during cooling or too warm during heating.

1. **Press the SLEEP button.**

   - **If this is pressed while the unit is off**
     - SLEEP operation starts with the previous operation settings, and the air conditioning is turned off after the time that has been set passes.
   - **If this is pressed while the unit is running**
     - Each time the button is pressed, the indication changes as follows:

       ![SLEEP interface diagram](image)

       Example: You wish it to stop after 7 hours.
       - Set to \( \text{No indication (cancelled)} \rightarrow 2h \rightarrow 3h \rightarrow \ldots \) (Units of one hour)

       The timer light (yellow) is on.

       - The unit stops at the end of the set period of time.

### OFF-TIMER operation procedure

- The unit stops automatically at the end of the set period of time. If it is stopped, perform the operations starting with STEP 1 and if running start with STEP 2.

1. **Press the ON/OFF button.**
2. **Press the OFF TIMER button.**
   - OFF TIMER indicator is blinking.
3. **Press the "0" or "0" button.**
   - Each time the "0" button is pressed, the indicator is switched in the order of:
     - 0.00 → 10.00 → 20.00 → 30.00 → 40.00 → 50.00 → 60.00
   - Each time the "0" button is pressed, the indicator is switched in the order of:
     - 23:00 → 22:50 → 22:40 → 22:30
   - Set at 22:30.
4. **Press the OFF TIMER button.**
   - Press within \( \text{60 sec.}! \)
   - The indication changes from blinking to steady lighting and the setting is complete.
   - The timer light (yellow) is on.

   - The unit stops at the end of the set period of time.

---

**Changing of set time**
- Set a new time by using OFF TIMER button.

**Releasing procedure**
- Press the CANCEL button to turn off the SLEEP indicator.

---
ON-TIMER operation procedure

- Operation starts 5 to 60 minutes before the time that is set so that the room temperature reaches the optimum temperature at that time. Example: In the case you wish to bring the temperature to nearly set temperature in at 8:00.

1. Press the ON-TIMER button.
   ON TIMER indicator is blinking.

2. Press the “0” or “-” button.
   Each time the “0” button is pressed, the indicator is switched in the order of:
   -0:00 - 0:10 - 0:20 - 1:00 - 1:10 (Units of ten minutes)
   Each time the “-” button is pressed, the indicator is switched in the order of:
   -0:00 - 23:50 - 23:40 - 23:00 - 22:50 (Units of ten minutes)
   Set at 8:00.

3. Press the ON-TIMER button.
   The indication changes from blinking to steady lighting and the setting is complete.
   - Operation starts 5 to 60 minutes before the set time.
   - The TIMER light goes out at the set time.
   - Releasing procedure
   Press the CANCEL button to turn off the timer indicator.

Changing of set time
Set a new time by using the ON-TIMER button.

SLEEP operation + ON-TIMER operation procedure

- Combined timer operation of SLEEP operation and ON TIMER.
  Example: When it is desired to stop after 3 hours and then start operation at 8:00, near the set temperature.

- SLEEP operation setting
  Set by the procedures on page 11.
  - Set to

- ON TIMER operation setting
  Set by the above mentioned ON TIMER operation procedure.
  - Set to ON 8:00
  The setting of the lighting of the timer light (yellow) of this unit is complete.
  - After the SLEEP operation set time has elapsed, the operation stops, and it starts from 5 to 60 minutes before the ON TIMER’s time.
  - The timer light is not lit at the ON TIMER’s time.

Changing of set time
Set a new time by using the SLEEP or ON TIMER button.

- Releasing procedure
  Press the CANCEL button to turn off the timer indicator.
PROGRAM TIMER operation procedure

- The timer operations that consist of the combination of the timer being set at both on and off. Once this has been set and operations started, operations will commence and end at the same time every day as long as the ON/OFF button is not pressed.

Example: When it is desired to stop at 22:30, and then start operation at 8:00, near the set temperature.

- OFF TIMER operation setting
  - Set by the procedures on page 11. Set to 22:30

- ON TIMER operation setting
  - Set by the procedures on page 12. Set to 8:00

The setting of the lighting of the timer light (yellow) of this unit is complete.

The time will be displayed on the remote control unit. The display will change depending on the operational status.

Changing of set time
Set a new time by using the OFF TIMER or ON TIMER button.

Releasing procedure
Press the CANCEL button to turn off the timer indicator.

About Amenity facilities

Amenity facilities enable to start the operation a little earlier, so that the room should approach optimum temperature at ON time when the operation is started by ON-TIMER.
- Mechanism: The room temperature is checked 60 minutes before the timer is at ON. Depending on the temperature at that time, the operation starts 5 to 60 minutes before the timer is at ON.
- The Amenity facility only functions for COOL and HEAT operation mode (including AUTO). It does not work for DRY mode.

About SLEEP operation

When SLEEP operation is selected, the room temperature is automatically controlled after a while, ensuring that the room is not too cold during cooling or too warm during heating.

- During COOL: the preset temperature is lowered by 1°C at the start of SLEEP operation (when the timer is set). After that, the temperature goes up by 1°C every an hour to become 2°C higher.
- During heating: Preset temperature is lowered by 1°C at the start of SLEEP operation (when the timer is set). After that the temperature is lowered by 1°C every 30 minutes to become 3°C lower in an hour and 6°C lower in two hours.

Present time setting procedure

- When inserting the batteries, the present time is automatically set to 13:00.

Example: Set to 10:30.

1. Press the TIME SET UP switch.
   Press with the tip of a ballpoint pen, etc.
   The time indicator blinks and can be set to the current time.

2. Press the “+” or “-” button.
   (Set to 10:30)

3. Press the TIME SET UP switch.
   Press within 60 sec.!
   The indication changes from blinking to steady lighting and the setting is complete.

NOTE
The timer operation is set on the basis of the present time, so please set it correctly.
HIGH POWER/ECONOMY operation procedure

If the air-conditioner is not operating, aim the remote control at the air-conditioner.

1. Press the ON/OFF button.
2. Press the HI POWER/ECONO button.
   - When the operating mode is AUTO, COOL or HEAT
     Each time the HI POWER/ECONO button is pressed, the indicator is switched in the order of:
     - No indication
     - (HIGH POWER)
     - (ECONOMY)
     - (Normal operation)
   - When the operating mode is DRY or PROGRAM TIMER
     Each time the HI POWER/ECONO button is pressed, the indicator is switched in the order of:
     - No indication

Concerning HIGH POWER operation
Pressing the HI POWER/ECONO button intensifies the operating power and initiates powerful cooling or heating operation for 15 minutes continuously. The remote control (HIGH POWER) indicator but the FAN SPEED indication is erased.

- During the HIGH POWER operation, the room temperature is not controlled. When it causes an excessive cooling or heating, press the HI POWER/ECONO button once more to cancel the HIGH POWER operation.
- HIGH POWER operation is not available during the DRY and the program timer operations.
- During ON timer operation, HIGH POWER operation will start when the ON time is reached.
- When the following operations are conducted HIGH POWER operation will be canceled.
  1. When the HI POWER/ECONO button is pressed again.
  2. When the operation mode is changed.
  3. When it has been 15 min. since HIGH POWER operation has started.

Concerning ECONOMY operation
Pressing the HI POWER/ECONO button inflates a soft operation with the power suppressed in order to avoid an excessive cooling or heating. The unit operates 1.5 °C higher than the setting temperature for weak wind capacity during cooling or 2.5 °C lower than that during heating. The remote control (ECONOMY) indicator but the FAN SPEED indication is erased.

- It will go into ECONOMY operation the next time the air-conditioner runs in the following instances.
  1. When the air-conditioner is stopped using the ON/OFF button.
  2. When the air-conditioner is stopped in SLEEP or OFF TIMER operation.
  3. When CLEAN or ALLERGEN CLEAR operation ends.
- When the following operations are conducted ECONOMY operation will be canceled.
  1. When the HI POWER/ECONO button is pressed again.
  2. When the operation mode is changed DRY to FAN.

ALLERGEN CLEAR operation procedure

- The power of enzymes is used to eliminate allergy-causing allergens that accumulate on the allergen clear filter.

1. Press the ALLERGEN CLEAR button.

To stop:
Press the ON/OFF or ALLERGEN CLEAR button.

- Since the room temperature may change quite a bit, it is recommended that this be used when no one is in the room. (It completes automatically in approximately 90 min.)
- During ALLERGEN CLEAR operation temperature, fan speed, air flow direction and timer operations settings cannot be made.
Concerning CLEAN operation

- CLEAN operation should be run after AUTO, COOL, and DRY operation to remove the moisture from inside the indoor unit and control the growth of mold and bacteria.

1. Press the CLEAN switch with the tip of a ballpoint pen.

Each time the CLEAN switch is pressed, the indicator is switched in the order of:

- (CLEAN on)
- No indication
- (CLEAN off)

To stop: Press the ON/OFF button.

NOTE

- CLEAN operation is impossible after Heating, Fan, OFF-TIMER and Allergen clear operations have stopped.
- The indoor unit runs for about two hours in CLEAN operation.
- The RUN light flashes during CLEAN operation.

Emergency run operation

- The unit ON/OFF button on the unit operates ON/OFF temporarily when the remote control is not used.

Operation program

- OPERATION MODE: AUTO
- FAN SPEED: AUTO
- AIR FLOW: AUTO

- Operation starts by pressing the unit ON/OFF button; it stops if you press the button again.

Power blackout auto restart function

- What is power blackout auto restart function?
- Power blackout auto restart function is a function that records the operational status of the air-conditioner immediately prior to it being switched off by a power cut, and then automatically resumes operations at that point after the power has been restored.
- The following settings will be cancelled:
  1. Timer settings
  2. HIGH POWER operations

NOTE

- The power blackout auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off.
- When power failure occurs, the timer setting is cancelled. Once power is resumed, reset the timer.
## Remote control handling procedure

### Replacing the batteries

The following cases signify exhausted batteries. Replace old batteries with new ones.

- Receiving beep is not emitted when a signal is transmitted.
- Indicator fades away.

**NOTE**

- Don't use old and new batteries together.
- Remove the batteries when the remote control is not used for a long period.
- The life of a battery conforming to JIS or IEC should be 6 to 12 months with normal use. If used longer, or when an unspecified battery is used, liquid may leak from the battery, causing the remote control to malfunction.

1. Remove back lid and take out old batteries.
2. Insert new batteries. (SUM-4 or R03x2)
3. Close back lid.
4. Press the reset switch with the tip of a ballpoint pen.

When the indicator shows any abnormal condition, Press the reset switch with the tip of a ballpoint pen.

### Using the remote control holder

The remote control can be attached to a wall or pillar by using a remote control holder. Before installing the remote control, check that the air-conditioner receives the signals properly.

For installing or removing the remote control, move it up or down in the holder.

### Warning note for remote control handling

- Don't go near high temperature places, such as an electric carpet or stove.
- Don't leave the remote control exposed to direct sunlight or other strong lighting.
- Don't drop the remote control. Handle with care.
- Don't put any obstructing obstacles between the remote control and the unit.
- Don't spill water etc on the remote control.
- Do not place heavy objects on the remote control, or step on it.

### When the operation fails with the remote control

- Are the batteries running down?
  - "Replacing the batteries" above. Replace the batteries with new ones and repeat the operation.
- If the operation still fails, handle as per emergency run operation. Contact your dealer.
Operating hints

Please observe the following for the most economic and comfortable use of your unit.

- Set a suitable room temperature.
- Clean the filters frequently.
- Avoid direct sunlight and draught.

<table>
<thead>
<tr>
<th>Set a suitable room temperature.</th>
<th>Clean the filters frequently.</th>
<th>Avoid direct sunlight and draught.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable temperature.</td>
<td>Clogged filters may block the air flow and cause less efficient operation.</td>
<td>Cut out direct sunlight by drawing the curtains or blinds when cooling. Keep windows and doors shut, except when ventilating.</td>
</tr>
</tbody>
</table>

- Adjust the airflow direction properly.
- Operate the unit only when needed.
- Generate little heat when cooling.

<table>
<thead>
<tr>
<th>Adjust the airflow direction properly.</th>
<th>Operate the unit only when needed.</th>
<th>Generate little heat when cooling.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjust the up/down and left/right airflow to ensure a steady room temperature.</td>
<td>Use the timer properly to operate the unit only when needed.</td>
<td>Keep heat sources out of the room as much as possible.</td>
</tr>
</tbody>
</table>

Maintenance

Before maintenance

- Turn off the power switch.
- Don’t spill water.
- Do not touch the aluminum fins on the heat exchanger.
- Stand firmly on a stepladder or other stable object when removing the inlet panel and filter.

Don’t use the following articles:

- Hot water (40°C or more)
- Petrol, paint thinner, benzine or polishing agents, etc.

Cleaning the air filter

1. Remove the air filter
   ① Pull up to this side the air inlet panel.
   ② Lightly hold the knobs at both sides and lift a little to remove the panel to this side.

2. Cleaning
   If the filter is very dirty, clean it with warm water (approx. 30°C), and dry it thoroughly.

   CAUTION
   • Don’t clean the filters with boiling water.
   • Don’t dry them over an open flame.
   • Pull them out gently.

3. Reinstall the air filter
   • Holding firmly the filter at both sides as shown at right and insert securely.
   • Operating without putting back the air filters will make the unit dusty, and may cause damage.

Cleaning the unit

- Wipe the unit with a soft, dry cloth, or use a vacuum cleaner.
- If the unit is very dirty, wipe it with a cloth soaked in warm water.

Cleaning the air inlet panel

- Removal, installation of air inlet panel
- The panel can be washed with water. After washing with water, wipe any moisture off the panel and dry out of direct sunlight.

Standard interval is once every two week
At the end of the season

1. Perform the fan operation for a half day.
   Dry the inside of the unit.

2. Stop the unit and turn off the power switch.
   The unit uses approx. 2W even when the power switch has been turned off during the off-season for safety or for saving energy.

3. Clean and reinstall the air filters.

4. Clean both the indoor and outdoor units.

5. Remove batteries from the remote control.

At the beginning of the season

1. Make certain that there are no obstacles blocking the air flow around the air intake and outlet openings of the indoor and outdoor units.

2. Check the installation base for corrosion or rust.

3. Ensure that nothing has snapped and that the earthed flex is not disconnected.

4. Ensure that the air filters are clean.

5. Turn on the power switch.

6. Insert batteries in the remote control.

Installing, inspecting, and replacing the allergen clear filter and the photocatalytic washable deodorizing filter

1. Open the air inlet panel and remove the air filters.

2. Remove the filter holders, with the allergen clear filter and the photocatalytic washable deodorizing filter installed in the folders, from the air-conditioner.

3. Remove the allergen clear filter from filter holder and inspect the filter. Use a vacuum cleaner to remove any dust or dirt from the allergen clear filter. Replace the allergen clear filter if it cannot be cleaned or if it has been for about 1 year. (The allergen clear filter should be replaced after about 1 year of use. However, the actual replacement period may vary depending on the conditions in which the filter is used.)

   Remove the photocatalytic washable deodorizing filter from filter holder and inspect the filter. Periodically, remove any dust or dirt or from the photocatalytic washable deodorizing filter. If the photocatalytic washable deodorizing filter is particularly dirty, it may be washed with water. However, the filter is fragile so be sure to wash it installed in the filter holder to avoid damaging it. After washing the filter, place it in sunlight to dry. Placing the filter in sunlight revitalizes the deodorizing effect.

   (Do not dispose of the filter holders. They are reused.)

4. Install the allergen clear filter and the photocatalytic washable deodorizing filter in the filter holders, and then install the filter holders in the air-conditioner.

   The allergen clear filter and the photocatalytic washable deodorizing filter may be installed on either the right or left side of the air-conditioner.

5. Install the air filters and close the air inlet panel.

For replacement allergen clear filters and photocatalytic washable deodorizing filters, contact your dealer.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allergen clear filter</td>
<td>The power of enzymes is used to eliminate allergy-causing allergens that accumulate on the filter.</td>
<td>Light orange</td>
</tr>
<tr>
<td>Photocatalytic washable</td>
<td>Sources of odors on the filter are broken up, resulting in a deodorizing effect.</td>
<td>Orange</td>
</tr>
<tr>
<td>deodorizing filter</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Has the unit been installed correctly?

**Suitable installation position**

- Is there any obstruction in front of the indoor unit, preventing proper ventilation and functioning?
- Don’t install the unit in any of the following places:
  - Where there is a danger of leaking inflammable gases.
  - Where there is substantial splashing of oil.
  - Malfunctioning due to corrosion may occur if the unit is installed in a spa where sulfide gases are generated, or in a seaside resort exposed to sea breezes. Contact your dealer.
  - The air-conditioner and remote control must be at least 1 metre away from a TV set or radio.
- Drain the dehumidified liquid from the indoor unit into a spot that drains well.

**Pay attention to operating noises!**

- When you install the unit, take care to choose a place that can comfortably stand the weight of the unit and does not increase the operating noise or vibration. If there is any likelihood that vibration may be transmitted through the house, fix the unit with the aid of vibration-proof pads between the unit and the fittings.
- Select a place where cold or hot air and operation noises from the indoor and outdoor units do not cause any inconvenience to your neighbours.
- Do not leave any obstacles near the outlet and inlet of the outdoor unit. This may cause malfunctioning and increased operating noise.
- If you hear an irregular noise during operation, contact your dealer.

**Inspection and maintenance**

Dependent upon service conditions and operating environment, the inside of the air-conditioner may become dirty after a number of seasons’ service (3 to 5 years). This will reduce performance. In addition to normal cleaning, we would recommend inspection and maintenance. (The air-conditioner has a longer life without any trouble.)

- Contact your dealer, or any distributor, for inspection and maintenance. (There will be a charge for this service).
- We would recommend inspection and maintenance to be carried out during the off-season.
- If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

**Troubleshooting**

Please carry out the following checks before making a service call.

### The air-conditioner does not work at all.

<table>
<thead>
<tr>
<th>Has the power switch been turned off?</th>
<th>Has the timer been set in the “ON” position?</th>
<th>Is there a power failure or a blown fuse?</th>
</tr>
</thead>
</table>

### Poor cooling or heating

<table>
<thead>
<tr>
<th>Have you set the thermostat at a suitable temperature?</th>
<th>Is the air filter clean? (Not clogged?)</th>
<th>Did you leave any doors or windows open?</th>
</tr>
</thead>
</table>

### Poor cooling

<table>
<thead>
<tr>
<th>Is there any direct sunlight entering the room?</th>
<th>Is there a heat source in the room?</th>
<th>Are there too many people in the room?</th>
</tr>
</thead>
</table>

If the air-conditioner does not operate properly after you have checked the left points, or if any doubt still exists after you have consulted page 20, or if things happen as shown on page 21, switch off the power and contact your dealer.

An alternative refrigerant (R410A) is used in this air-conditioner. When asking the dealer for service or inspection and maintenance, explain the dealer about this matter.
## Please remember!

<table>
<thead>
<tr>
<th>Condition</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>You cannot restart the unit immediately after you have stopped it.</td>
<td>Restarting has been blocked for 3 minutes after you have stopped or after switching off the power during operation, to protect the unit.</td>
</tr>
<tr>
<td>Air is not blown out when starting the HEATING operation.</td>
<td>Air flow has stopped to prevent blowing out of cold air until the indoor heat exchanger has warmed up. (2 to 5 min.) (HOT KEEP)</td>
</tr>
<tr>
<td>Air is not blown out for 5 to 10 min. or blown out not warm wind for a moment at HEATING operation.</td>
<td>When outdoor temperature is low and humidity is high, the unit sometimes performs defrosting automatically. Please wait. During defrosting, water or steam may escape from the outdoor unit.</td>
</tr>
<tr>
<td>Air is not blown out when starting the DRY operation.</td>
<td>The indoor fan may stop to prevent re-evaporation of dehumified moisture and to save energy.</td>
</tr>
<tr>
<td>Some steam escapes during COOL operation.</td>
<td>This may occur if the room's temperature and humidity are very high. It disappears as soon as the temperature and humidity decrease.</td>
</tr>
<tr>
<td>There is a slight smell.</td>
<td>Air blown out during operation may smell. This is caused by tobacco or cosmetics sticking to the unit.</td>
</tr>
<tr>
<td>You hear a slight gurgling sound.</td>
<td>This is caused by refrigerating liquid moving within the unit.</td>
</tr>
<tr>
<td>You hear a slight cracking sound.</td>
<td>This is caused by heat expansion or contraction.</td>
</tr>
<tr>
<td>You hear a hissing or clicking sound.</td>
<td>This is caused by the operation of the refrigerant control valves or electric components.</td>
</tr>
<tr>
<td>After a power cut, you cannot re-start, even if power has been re-stored, unless you have the power blackout auto restart function.</td>
<td>The memory circuit of the microcomputer has been wiped out. Use the remote control to start the operation again.</td>
</tr>
<tr>
<td>Remote control signals are not received.</td>
<td>Remote control signals may not be received if the signal receiver on the air-conditioner is exposed to direct sunlight or other bright light. If so, cut out the sunlight or reduce the other light.</td>
</tr>
<tr>
<td>Moisture may form on the air outlet grills.</td>
<td>If the unit is operated for a long time in high humidity, moisture may form on the air outlet grills and start dripping.</td>
</tr>
<tr>
<td>Whistling noise is heard from the outdoor unit.</td>
<td>The noise means that the revolution speed is picking up on the compressor.</td>
</tr>
</tbody>
</table>
When to contact your distributor without delay

- Turn off the power switch immediately and inform your dealer in any of the following situations:
  - The fuse or switch blows continuously.
  - The TV, radio or other equipment starts to malfunction.
  - When faulty movement is observed when the ON/OFF button is pressed, even after turning off the power switch and restarting the operation after 3 minutes, the faulty movement does not disappear.

- The RUN and TIMER lights on the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don’t work.

Self diagnosis function

- We are constantly trying to do better service to our customers by installing such judges that show abnormality of each function as follows:

<table>
<thead>
<tr>
<th>Description of trouble</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat exchanger sensor error</td>
<td>Broken heat exchanger sensor wire, poor connector connection</td>
</tr>
<tr>
<td>Room temperature sensor error</td>
<td>Broken room temperature sensor wire, poor connector connection</td>
</tr>
<tr>
<td>Indoor fan motor error</td>
<td>Defective fan motor, poor connector connection</td>
</tr>
<tr>
<td>Outdoor temperature sensor error</td>
<td>Broken outdoor temperature sensor wire, poor connector connection</td>
</tr>
<tr>
<td>Outdoor heat exchanger fluid pipe sensor error</td>
<td>Broken heat exchanger fluid pipe sensor wire, poor connector connection</td>
</tr>
<tr>
<td>Discharge pipe sensor error</td>
<td>Broken discharge pipe sensor wire, poor connector connection</td>
</tr>
<tr>
<td>Current cut</td>
<td>Compressor locking, open phase on compressor output, shortcircuit on power transistor, closed service valve</td>
</tr>
<tr>
<td>Trouble of outdoor unit</td>
<td>Broken power transistor, broken compressor wire, broken discharge pipe sensor wire, poor connector connection, Compressor blockage</td>
</tr>
<tr>
<td>Over current</td>
<td>Overload operation, overcharge</td>
</tr>
<tr>
<td>Over heat of compressor</td>
<td>Gas shortage, defective discharge pipe sensor, closed service valve</td>
</tr>
<tr>
<td>Error of signal transmission</td>
<td>Defective power supply, Broken signal wire, defective in/outdoor unit boards</td>
</tr>
<tr>
<td>Outdoor fan motor error</td>
<td>Defective fan motor, poor connector connection</td>
</tr>
<tr>
<td>Rotor lock</td>
<td>Defective compressor, Open phase on compressor, Defective outdoor unit boards</td>
</tr>
</tbody>
</table>

Note: If the power cord becomes damaged, ask your dealer or a qualified engineer to install the replacement to avoid accidents.
This air conditioner complies with EMC Directive 89/336/EEC, LV Directive 73/23/EEC.

Este acondicionador de aire cumple con la directiva EMC 89/336/EEC, LV Directiva 73/23/EEC.

Diese Klimagerät erfüllt die EMC Direktiven 89/336/EEC, LV Direktiven 73/23/EEC.

Questo condizionatore d'aria è conforme alla Direttiva EMC 89/336/EEC, LV Direttiva 73/23/EEC.

Este aparato de ar condicionado está en conformidad con a Directiva EMC 89/336/EEC e a Diretiva LV 73/23/EEC.

Aşte a klimagerått håller påsembet med EMC Directiv 89/336/EWG och LV Directiv 73/23/EWG.