OPERATING INSTRUCTIONS

For user

To use this unit correctly and safely, be sure to read these operating instructions before use.

BEDIENUNGSANLEITUNG

Für den Anwender

Für einen sicheren und ordnungsgemäßen Gebrauch des Geräts unbedingt diese Bedienungsanleitung vor der Inbetriebnahme durchlesen.

NOTICE D’UTILISATION

A l’attention des clients

Pour avoir la certitude d’utiliser cet appareil correctement et en toute sécurité, veuillez lire cette notice d’instructions avant de mettre le climatiseur sous tension.

BEDIENINGSINSTRUCTIES

Voor de klant

Om dit apparaat correct en veilig te kunnen gebruiken moet u deze bedieningsinstructies voor gebruik eerst doorlezen.

MANUAL DE INSTRUCCIONES

Para los clientes

Para utilizar esta unidad de forma correcta y segura, lea previamente estas instrucciones de funcionamiento.

LIBRETTO D’ISTRUZIONI

Per gli utenti

Per utilizzare correttamente ed in tutta sicurezza questo apparecchio, leggere il presente libretto d’istruzioni prima dell’uso.

ΟΔΗΓΙΕΣ ΛΕΙΤΟΥΡΓΙΑΣ

Για το χρήστη

Για να χρησιμοποιήσετε αυτή τη μονάδα ισχυρά και με ασφάλεια, βεβαιώθετε ότι έχετε διαβάσει αυτό το εγχειρίδιο οδηγιών πριν από τη χρήση.

INSTRUÇÕES DE OPERAÇÃO

Para o utilizador

Para utilizar esta unidade correctamente e com segurança, certifique-se de que lê estas instruções de operação antes da utilização.

BETJENINGSVEJLEDNING

Til kunden

Læs denne betjeningsvejledningen før brug, så enheden bruges korrekt og sikkert.

BRUKSANVISNING

För användaren

Läs bruksanvisningen innan enheten tas i bruk så att den används säkert och på rätt sätt.

ÇALIŞTIRMA TALIMATLARI

Kullanıcı için

Bu ünitesi doğru ve güvenli bir biçimde kullanmak için, kullanmadan önce bu işletim talimatlarını okudugunuzdan emin olun.

РЪКОВОДСТВО ЗА ЕКСПЛОАТАЦИЯ

За потребителя

За правилната и безопасна употреба на уреда, прочетете настойнощото ръководство за експлоатация преди употреба.
**Contents**

- SAFETY PRECAUTIONS 1
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**SAFETY PRECAUTIONS**

- Since rotating parts and parts which could cause an electric shock are used in this product, be sure to read these “Safety Precautions” before use.
- Since the cautionary items shown here are important for safety, be sure to observe them.
- After reading this manual, keep it together with the installation manual in a handy place for easy reference.

**Marks and their meanings**

**WARNING:** Incorrect handling could cause serious hazard, such as death, serious injury, etc. with a high probability.

**CAUTION:** Incorrect handling could cause serious hazard depending on the conditions.

---

**WARNING**

- Do not connect the power cord to an intermediate point, use an extension cord, or connect multiple devices to a single AC outlet.
  - This may cause overheating, fire, or electric shock.
- Make sure the power plug is free of dirt and insert it securely into the outlet.
  - A dirty plug may cause fire or electric shock.
- Do not bundle, pull, damage, or modify the power cord, and do not apply heat or place heavy objects on it.
  - This may cause fire or electric shock.
- Do not turn the breaker OFF/ON or disconnect/connect the power plug during operation.
  - This may create sparks, which can cause fire.
  - After the indoor unit is switched OFF with the remote controller, make sure to turn the breaker OFF or disconnect the power plug.
- Do not expose your body directly to cool air for a prolonged length of time.
  - This could be detrimental to your health.
- The unit should not be installed, relocated, disassembled, altered, or repaired by the user.
  - An improperly handled air conditioner may cause fire, electric shock, injury, or water leakage, etc. Consult your dealer.
  - If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.
- When installing, relocating, or servicing the unit, make sure that no substance other than the specified refrigerant (R410A) enters the refrigerant circuit.
  - Any presence of foreign substance such as air can cause abnormal pressure rise and may result in explosion or injury.
  - The use of any substance other than that specified for the system will cause mechanical failure, system malfunction, or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.

---

**Meanings of symbols used in this manual**

- : Be sure not to do.
- : Be sure to follow the instruction.
- : Never insert your finger or stick, etc.
- : Never step onto the indoor/outdoor unit and do not put anything on them.
- : Danger of electric shock. Be careful.
- : Be sure to disconnect the power supply plug from the power outlet.
- : Be sure to shut off the power.

---

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

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

This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.

---

This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
SAFETY PRECAUTIONS

CAUTION

Do not touch the air inlet or the aluminum fins of the indoor/outdoor unit.
• This may cause injury.
Do not use insecticides or flammable sprays on the unit.
• This may expose fire or deformation of the unit.
Do not expose pets or houseplants to direct airflow.
• This may cause injury to the pets or plants.
Do not place other electric appliances or furniture under the indoor/outdoor unit.
• Water may drip down from the unit, which may cause damage or malfunction.
Do not leave the unit on a damaged installation stand.
• The unit may fall and cause injury.
Do not step on an unstable bench to operate or clean the unit.
• This may cause injury if you fall down.
Do not pull the power cord.
• This may cause a portion of the core wire to break, which may cause overheating or fire.
Do not charge or disassemble the batteries, and do not throw them into a fire.
• This may cause the batteries to leak, or cause fire or explosion.
Do not operate the unit for more than 4 hours at high humidity (80% RH or more) and/or with windows or outside door left open.
• This may cause the water condensation in the air conditioner, which may drip down, wetting or damaging the furniture.
• The water condensation in the air conditioner may contribute to the growth of fungi, such as mold.
Do not use the unit for special purposes, such as storing food, raising animals, growing plants, or preserving precision devices or art objects.
• This may cause deterioration of quality, or harm to animals and plants.
Do not expose combustion appliances to direct airflow.
• This may cause incomplete combustion.
Never put batteries in your mouth for any reason to avoid accidental ingestion.
• Battery ingestion may cause choking and/or poisoning.

Before cleaning the unit, switch it OFF and disconnect the power plug or turn the breaker OFF.
• This may cause injury, since the fan inside rotates at high speeds during operation.
When the unit will be unused for a long time, disconnect the power plug or turn the breaker OFF.
• The unit may accumulate dirt, which may cause overheating or fire.
Replace all batteries of the remote controller with new ones of the same type.
• Using an old battery together with a new one may cause overheating, leakage, or explosion.
If the battery fluid comes in contact with your skin or clothes, wash them thoroughly with clean water.
• If the battery fluid comes in contact with your eyes, wash them thoroughly with clean water and immediately seek medical attention.
Ensure that the area is well-ventilated when the unit is operated together with a combustion appliance.
• Inadequate ventilation may cause oxygen starvation.
Turn the breaker OFF when you hear thunder and there is a possibility of a lightning strike.
• The unit may be damaged if lightning strikes.

After the air conditioner is used for several seasons, perform inspection and maintenance in addition to normal cleaning.
• Dirt or dust in the unit may create an unpleasant odor, contribute to growth of fungi, such as mold, or clog the drain passage, and cause water to leak from the indoor unit. Consult your dealer for inspection and maintenance, which require specialized knowledge and skills.

Do not operate switches with wet hands.
• This may cause electric shock.
Do not clean the air conditioner with water or place an object that contains water, such as a flower vase, on it.
• This may cause fire or electric shock.
Do not step on or place any object on the outdoor unit.
• This may cause injury if you or the object falls down.

IMPORTANT

Dirty filters cause condensation in the air conditioner which will contribute to the growth of fungi such as mold. It is therefore recommended to clean air filters every 2 weeks.

Before starting the operation, ensure that the horizontal vanes are in the closed position. If operation starts when the horizontal vanes are in the open position, they may not return to the correct position.

For installation

WARNING

Consult your dealer for installing the air conditioner.
• It should not be installed by the user since installation requires specialized knowledge and skills. An improperly installed air conditioner may cause water leakage, fire, or electric shock.
Provide a dedicated power supply for the air conditioner.
• A non-dedicated power supply may cause overheating or fire.
Do not install the unit where flammable gas could leak.
• If gas leaks and accumulates around the outdoor unit, it may cause an explosion.

Earth the unit correctly.
Do not connect the earth wire to a gas pipe, water pipe, lightning rod, or a telephone ground wire. Improper earthing may cause electric shock.

CAUTION

Install an earth leakage breaker depending on the installation location of the air conditioner (such as highly humid areas).
• If an earth leakage breaker is not installed, it may cause electric shock.
Ensure that the drain water is properly drained.
• If the drain passage is improper, water may drip down from the indoor/outdoor unit, wetting and damaging the furniture.

In case of an abnormal condition
Immediately stop operating the air conditioner and consult your dealer.

DISPOSAL

To dispose of this product, consult your dealer.

Note:
This symbol mark is for EU countries only. This symbol mark is according to the directive 2012/19/ EU Article 14 Information for users and Annex IX, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II.

For installation:
- Ensure that the drain water is properly drained.
- If the drain passage is improper, water may drip down from the indoor/outdoor unit, wetting and damaging the furniture.

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste.
- If a chemical symbol is printed beneath the symbol (Fig. 1), this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration. This will be indicated as follows:
  - Hg: mercury (0.0005%), Cd: cadmium (0.002%), Pb: lead (0.004%)

In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.
- Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre.
- Please, help us to conserve the environment we live in!
OPERATING INSTRUCTIONS

**NAME OF EACH PART**

**Indoor unit**
- Front panel
- Air filter (Nano platinum filter)
- Air cleaning filter (Electrostatic anti-allergy enzyme filter, option)
- Heat exchanger
- Air outlet
- Spec name plate *1

**Remote controller**
- Battery replacement indicator
- Operation display section
- Temperature buttons
- Operation select button
- ECONO COOL button
- FAN speed control button
- VANE control button
- TIME, TIMER set buttons
- WEEKLY TIMER set buttons
- i-save button
- CLOCK button
- RESET button

**Outdoor unit**
- Air inlet (back and side)
- Spec name plate *1
- Refrigerant piping
- Drainage hose
- Air outlet
- Drain outlet

*1 The manufacturing year and month is indicated on the spec name plate.

**PREPARATION BEFORE OPERATION**

**Before operation:** Insert the power supply plug into the power outlet and/or turn the breaker on.

**Installing the remote controller batteries**
1. Press RESET.
2. Insert the negative pole of AAA alkaline batteries first.
3. Install the front lid.

- Make sure the polarity of the batteries is correct.
- Do not use manganese batteries and leaking batteries. The remote controller could malfunction.
- Do not use rechargeable batteries.
- The battery replacement indicator lights up when the battery is running low. In 7 days after the indicator starts lights up, the remote controller stops working.
- Replace all batteries with new ones of the same type.
- Batteries can be used for approximately 1 year. However, batteries with expired shelf lives last shorter.
- Press RESET gently using a thin instrument.
- If the RESET button is not pressed, the remote controller may not operate correctly.

**Setting current time**
1. Press CLOCK.
2. Press either the TIME button or the TIMER buttons to set the time.
3. Press the DAY button to set the day.
4. Press CLOCK again.

- Only use the remote controller provided with the unit.
- Do not use other remote controllers.
- If two or more indoor units are installed in proximity to one another, an indoor unit that is not intended to be operated may respond to the remote controller.

* The manufacturing year and month is indicated on the spec name plate.

Outdoor units may be different in appearance.
AUTO mode (Auto change over)
The unit selects the operation mode according to the difference between the room temperature and the set temperature. During AUTO mode, the unit changes mode (COOL↔HEAT) when the room temperature is 2°C away from the set temperature for more than 15 minutes.

Note:
Auto Mode is not recommended if this indoor unit is connected to a MXZ type outdoor unit. When several indoor units are operated simultaneously, the unit may not be able to switch operation mode between COOL and HEAT. In this case, the indoor unit becomes standby mode (Refer to table of Operation indicator lamp).

COOL mode
Enjoy cool air at your desired temperature.

Note:
Do not operate COOL mode at very low outside temperatures (less than -10°C). Water condensed in the unit may drip and wet or damage furniture, etc.

DRY mode
Dehumidify your room. The room may be cooled slightly. Temperature cannot be set during DRY mode.

HEAT mode
Enjoy warm air at your desired temperature.

FAN mode
Circulate the air in your room.

Emergency operation
When the remote controller cannot be used...
Emergency operation can be activated by pressing the emergency operation switch (E.O.SW) on the indoor unit.

Each time the E.O.SW is pressed, the operation changes in the following order:

1. Press  to start the operation.
2. Press  to select operation mode. Each press changes mode in the following order:
   -  (AUTO)
   -  (COOL)
   -  (DRY)
   -  (HEAT)
   -  (FAN)
3. Press  or  to set the temperature. Each press raises or lowers the temperature by 1°C.
4. Press  to stop the operation.

Operation indicator lamp
The operation indicator lamp shows the operation state of the unit.

<table>
<thead>
<tr>
<th>Indication</th>
<th>Operation state</th>
<th>Room temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The unit is operating to reach the set temperature</td>
<td>About 2°C or more away from set temperature</td>
</tr>
<tr>
<td></td>
<td>The room temperature is approaching the set temperature</td>
<td>About 1 to 2°C from set temperature</td>
</tr>
<tr>
<td></td>
<td>Standby mode (only during multi system operation)</td>
<td>—</td>
</tr>
</tbody>
</table>

Lighted  Blinking  Not lighted

Note:
Multi system operation
Two or more indoor units can be operated by one outdoor unit. When several indoor units are operated simultaneously, cooling/fan and heating operations cannot be done at the same time. When COOL/FAN is selected with one unit and HEAT with another or vice versa, the unit selected last goes into standby mode.

Auto restart function
If a power failure occurs or the main power is turned off during operation, “Auto restart function” automatically starts operation in the same mode as the one set with the remote controller just before the shutoff of the main power. When timer is set, timer setting is cancelled and the unit starts operation when power is resumed.

If you do not want to use this function, please consult the service representative because the setting of the unit needs to be changed.
**FAN SPEED AND AIRFLOW DIRECTION ADJUSTMENT**

**Press** to select fan speed. Each press changes fan speed in the following order:

- **(AUTO) → (Silent) → (Low) → (Med.) → (High) → (Super High)**

  - Two short beeps are heard from the indoor unit when set to AUTO.
  - Use higher fan speed to cool/heat the room quicker. It is recommended to lower the fan speed once the room is cool/warm.
  - Use lower fan speed for quiet operation.

**Note:**

**Multi system operation**

When several indoor units are operated simultaneously by one outdoor unit for heating operation, the temperature of the airflow may be low. In this case, it is recommended to set the fan speed to AUTO.

**Press** to select airflow direction. Each press changes airflow direction in the following order:

- **(AUTO) → (1) → (2) → (3) → (4) → (5) → (SWING)**

  - Two short beeps are heard from the indoor unit when set to AUTO.
  - Always use the remote controller when changing the direction of airflow. Moving the horizontal vanes with your hands causes them to malfunction.
  - When the breaker is turned on, the horizontal vanes’ position will be reset in about a minute, then the operation will start. The same is true in the emergency cooling operation.
  - When the horizontal vanes seem to be in an abnormal position, see page 9.

---

**Airflow direction**

- **(AUTO)........The vane is set to the most efficient airflow direction. COOL/DRY/FAN:horizontal position, HEAT:position (4).**
- **(Manual).......For efficient air conditioning, select the upper position for COOL/DRY, and the lower position for HEAT. If the lower position is selected during COOL/DRY, the vane automatically moves to the upward position after 0.5 to 1 hour to prevent any condensation from dripping.**
- **(Swing)........The vane moves up and down intermittently.**

**To change the horizontal airflow direction.**

Move the vertical vane manually before starting operation.

**Note:**

If the vertical vanes are adjusted, be sure to return the horizontal vanes to the original closed position.
I-SAVE OPERATION

1. Press  during COOL, ECONO COOL, or HEAT mode to select i-save mode.

2. Set the temperature, fan speed, and airflow direction.
   - The same setting is selected from the next time by simply pressing the button.
   - Two settings can be saved. (One for COOL/ECONO COOL, one for HEAT)
   - Select the appropriate temperature, fan speed, and airflow direction according to your room.
   - Normally, the minimum temperature setting in HEAT mode is 16°C. However, during i-save operation only, the minimum temperature setting is 10°C.

Press  again to cancel i-save operation.
   - i-save operation also is cancelled when the MODE button is pressed.

i-save operation
   - A simplified set back function enables to recall the preferred (preset) setting with a single push of the button. Press the button again and you can go back to the previous setting in an instance.
   - i-save operation cannot be set on the weekly timer.

Example of use:
1. Low energy mode
   Set the temperature 2°C to 3°C warmer in COOL and cooler in HEAT mode. This setting is suitable for unoccupied room, and while you are sleeping.
2. Saving frequently used settings
   Save your preferred setting for COOL/ECONO COOL and HEAT. This enables you to select your preferred setting with a single push of the button.

Note:
When using the multi system MXZ-8A140, the temperature cannot be set to 10°C. Even if the temperature is set to 10°C, the air conditioner will operate at 16°C.

ECONO COOL OPERATION

Press  during COOL mode to start ECONO COOL operation.
   - The unit performs swing operation vertically in various cycles according to the temperature airflow.

Press  again to cancel ECONO COOL operation.
   - ECONO COOL operation also is cancelled when the VANE button is pressed.

What is “ECONO COOL”? Swing airflow (change of air flow) makes you feel cooler than stationary airflow. The set temperature and the airflow direction are automatically changed by the microprocessor. It is possible to perform cooling operation with keeping comfort. As a result energy can be saved.

TIMER OPERATION (ON/OFF TIMER)

1. Press  or  during operation to set the timer.
   - (ON timer) : The unit turns ON at the set time.
   - (OFF timer) : The unit turns OFF at the set time.

   * or  blinks.
   * Make sure that the current time and day are set correctly.

2. Press  (Increase) and  (Decrease) to set the time of timer.
   - Each press increases or decreases the set time by 10 minutes.
   - Set the timer while or  is blinking.

3. Press  or  again to cancel timer.

Note:
- ON and OFF timers can be set together. mark indicates the order of timer operations.
- If power failure occurs while ON/OFF timer is set, see “Auto restart function” on page 4.
OPERATING INSTRUCTIONS

WEEKLY TIMER OPERATION

- A maximum of 4 ON or OFF timers can be set for individual days of the week.
- A maximum of 28 ON or OFF timers can be set for a week.

Setting the weekly timer

1. Make sure that the current time and day are set correctly.
2. Press to enter the weekly timer setting mode.
3. Press and to select setting day and number.
4. Press and , and to set ON/OFF, time, and temperature.
5. Press to complete and transmit the weekly timer setting.

Note:
- The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.

Checking weekly timer setting

1. Press to enter the weekly timer setting mode.
2. Press or 1–4 to view the setting of the particular day or number.

Setting the weekly timer

1. Press to enter the weekly timer setting mode.
2. Press and 1–4 to select setting day and number.

Note:
- Press to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, does not have to be pressed per each setting. Press once after all the settings are complete. All the weekly timer settings will be saved.
- Press and hold for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

Setting1 Setting2 Setting3 Setting4

Setting1 Setting2

6:00 8:30 17:30 22:00
8:00 21:00

24°C 27°C
ON OFF ON OFF
ON OFF

Mon Fri
Sat Sun

27°C

Note:
- Pressing selects the day of the week to be set.
- Pressing selects the setting number.
- All days can be selected.

Checking weekly timer setting

1. Press to enter the weekly timer setting mode.
2. Press or 1–4 to view the setting of the particular day or number.

Note:
- Hold down the button to change the time quickly.
- The temperature can be set between 16°C and 31°C at weekly timer.

E.g.: Runs at 24°C from waking up to leaving home, and runs at 27°C from getting home to going bed early on weekends.
Runs at 27°C from waking up late to going bed early on weekends.

Setting1 Setting2 Setting3 Setting4

Setting1 Setting2

6:00 8:30 17:30 22:00
8:00 21:00

24°C 27°C
ON OFF ON OFF
ON OFF

Mon Fri
Sat Sun

27°C

Note:
- When all days of the week are selected to view the settings and a different setting is included among them, will be displayed.
- will blink, and the current time will be displayed.

Note:
- The saved settings will not be cleared when the weekly timer is turned OFF.

Pressing selects the ON/OFF timer.
Pressing deletes timer setting.
Pressing adjusts the time.
Pressing adjusts the temperature.

* Hold down the button to change the time quickly.
* The temperature can be set between 16°C and 31°C at weekly timer.
Cleaning

Instructions:
- Switch off the power supply or turn off the breaker before cleaning.
- Be careful not to touch the metal parts with your hands.
- Do not use benzine, thinner, polishing powder, or insecticide.
- Use only diluted mild detergents.
- Do not expose parts to direct sunlight, heat, or fire to dry.
- Do not use water hotter than 50°C.

1. Lift the front panel until a “click” is heard.
2. Hold the hinges and pull to remove as shown in the illustration above.
- Wipe with a soft dry cloth or rinse with water.
- Do not soak it in water for more than two hours.
- Dry it well in shade.
3. Install the front panel by following the removal procedure in reverse. Close the front panel securely and press the positions indicated by the arrows.

Air filter (Nano platinum filter)
- Clean every 2 weeks
  - Remove dirt by a vacuum cleaner, or rinse with water.
  - After washing with water, dry it well in shade.

What is “Nano platinum filter”?
Nano platinum is a ceramic particle that includes a platinum nanoparticle. The particles are incorporated into the filter material, which results in providing semi-permanent antibacterial and deodorizing characteristics for the filter. Nano platinum surpasses the catechin (a bioflavonoid that is found in green tea) in performance. Nano platinum filter uses this compound not only to improve air quality but also to eliminate bacteria and viruses. This air filter has a semi-permanent lasting effect even after washing it with water.

Air cleaning filter (Electrostatic anti-allergy enzyme filter, option)

Every 3 months:
- Remove dirt by a vacuum cleaner.
When dirt cannot be removed by vacuum cleaning:
  - Soak the filter and its frame in lukewarm water before rinsing it.
  - After washing, dry it well in shade. Install all tabs of the air filter.
Every year:
  - Replace it with a new air cleaning filter for best performance.
  - Parts Number: [MAC2320FT]

Pull to remove from the air filter

Front panel

1. Lift the front panel until a “click” is heard.
2. Hold the hinges and pull to remove as shown in the illustration above.
  - Wipe with a soft dry cloth or rinse with water.
  - Do not soak it in water for more than two hours.
  - Dry it well in shade.
3. Install the front panel by following the removal procedure in reverse. Close the front panel securely and press the positions indicated by the arrows.

Important
- Clean the filters regularly for best performance and to reduce power consumption.
- Dirty filters cause condensation in the air conditioner which will contribute to the growth of fungi such as mold. It is therefore recommended to clean air filters every 2 weeks.

What is “Nano platinum filter”?
Nano platinum is a ceramic particle that includes a platinum nanoparticle. The particles are incorporated into the filter material, which results in providing semi-permanent antibacterial and deodorizing characteristics for the filter. Nano platinum surpasses the catechin (a bioflavonoid that is found in green tea) in performance. Nano platinum filter uses this compound not only to improve air quality but also to eliminate bacteria and viruses. This air filter has a semi-permanent lasting effect even after washing it with water.
**Operating Instructions**

When you think that trouble has occurred

Even if these items are checked, when the unit does not recover from the trouble, stop using the air conditioner and consult your dealer.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Explanation &amp; Check points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indoor Unit</strong></td>
<td></td>
</tr>
</tbody>
</table>
| The unit cannot be operated. | - Is the breaker turned on?  
- Is the power supply plug connected?  
- Is the DIN timer set?  |
| The horizontal vane does not move. | - Are the horizontal vane and the vertical vane installed correctly?  
- Is the fan guard deformed?  
- When the breaker is turned on, the horizontal vanes’ position will be reset in about a minute. After the reset has completed, the normal horizontal vanes’ operation resumes. The same is true in the emergency cooling operation. |
| The unit cannot be operated for about 3 minutes when restarted. | - This protects the unit according to instructions from the microprocessor. Please wait.  
- The cool air from the unit rapidly cools moisture in the air inside the room, and it turns into mist.  
- The swing operation of the HORIZONTAL VANE is suspended for a while, then restarted.  
- The two horizontal vanes touch each other. The horizontal vanes are in an abnormal position. The horizontal vanes do not return to the correct “close position”.  
- Perform one of the following:  
  - Turn off and on the breaker. Make sure the horizontal vanes move to the correct “close position”.  
  - Start and stop the emergency cooling operation and make sure the horizontal vanes move to the correct “close position”.  
- When the unit is operated in COOL or DRY mode, the lower horizontal vane does not move.  
- When SWING is selected in COOL/DRY/FAN mode, the lower horizontal vane does not move.  
- The airflow direction changes during operation.  
- The direction of the horizontal vane cannot be adjusted with the remote controller.  
- The operation stops for about 10 minutes in the heating operation.  
- The unit starts operation by itself when the main power is turned on, but hasn’t received sign from the remote controller.  
- The unit discolors over time.  
- The indoor unit discolors over time.  
- Originally plastic turns yellow due to the influence of some factors such as ultraviolet light and temperature, this has no effect on the product functions.  
- Although plastic turns yellow due to the influence of some factors such as ultraviolet light and temperature, this has no effect on the product functions.  
- The indoor unit icicles.  
- The two horizontal vanes touch each other.  
- The horizontal vanes are in an abnormal position.  
- These models are equipped with an auto restart function. When the main power is turned off without stopping the unit with the remote controller and is turned on again, the unit starts operation automatically in the same mode as the one set with the remote controller just before the shutoff of the main power.  
- Ref: Auto restart function, Page 31  
- Perform one of the following:  
  - Turn off and on the breaker. Make sure the horizontal vanes move to the correct “close position”.  
  - Start and stop the emergency cooling operation and make sure the horizontal vanes move to the correct “close position”.  
- In COOL/DRY mode, when the room temperature reaches near the set temperature, the outdoor unit stops, then the indoor unit operates at low speed.  
- The indoor unit discolors over time.  
- Although plastic turns yellow due to the influence of some factors such as ultraviolet light and temperature, this has no effect on the product functions.  
- The indoor unit discolors over time.  
- The indoor unit which is not operating becomes warm and a sound, similar to water flowing, is heard from the unit.  
- When heating operation is selected, operation does not start right away.  
- When operation is started during defrosting of outdoor unit is done, it takes a few minutes (max. 10 minutes) to blow out warm air.  
- Outdoor Unit  
- The fan of the outdoor unit does not rotate even though the compressor is running. Even if the fan starts to rotate, it stops soon.  
- Water leaks from the outdoor unit.  
- White smoke is discharged from the outdoor unit. |
| **Outdoor Unit** | |
| The fan of the outdoor unit does not rotate even though the compressor is running. | - Even if the fan starts to rotate, it stops soon.  
- During COOL and DRY operations, pipes or pipe connecting sections are cooled and this causes water to condense.  
- In the heating operation, water condensed on the heat exchanger drips down.  
- In the heating operation, the defrosting operation makes ice forming on the outdoor unit melt and drip down.  
- White smoke is discharged from the outdoor unit.  
- In the heating operation, vapor generated by the defrosting operation looks like white smoke. |
| **Remote controller** | |
| The display on the remote controller does not appear or it is dim. | - Is the temperature setting appropriate?  
- Is the fan setting appropriate? Please change fan speed to higher setting.  
- Are the filters clean?  
- Is the fan or heat exchanger of the indoor unit clean?  
- Are there any obstacles blocking the air inlet or outlet of the indoor or outdoor unit?  
- Is a window or door open?  
- The room cannot be cooled sufficiently.  
- When a ventilation fan or a gas cooker is used in a room, the cooling load increases, resulting in an insufficient cooling effect.  
- When the outside temperature is high, the cooling effect may not be sufficient.  
- Air does not blow out soon in the heating operation.  
- Please wait as the unit is preparing to blow out warm air.  
- The air from the indoor unit smells strange.  
- Is the filter clean?  
- Is the fan or heat exchanger of the indoor unit clean?  
- The unit may suck in an odor adhering to the wall, carpet, furniture, cloth, etc. and blow it out with the air.  
- The sound of water flowing is heard.  
- This is the sound when the flow of refrigerant inside the unit is changed.  
- The sound of water flowing is heard.  
- This is the sound when flowing refrigerant inside the unit is changed.  
- The unit starts/stops the operation by itself.  
- Is the weekly timer set?  |
| **Timer** | |
| The ON/OFF timer is set.  
- Transmit the setting information of the weekly timer to the indoor unit. When the information is successfully received, a long beep will sound from the indoor unit. If information fails to be received, 3 short beeps will be heard. Ensure information is successfully received.  
- When a power failure occurs and the main power turns off, the indoor unit built-in clock will be incorrect. As a result, the weekly timer may not work normally.  
- Be sure to place the remote controller where the signal can be received by the indoor unit. |

In the following cases, stop using the air conditioner and consult your dealer.

- When water leaks or drips from the indoor unit.  
- When the left operation indicator lamp blinks.  
- When the breaker trips frequently.  
- The remote control signal is not received in a room where an electronic ON/OFF type fluorescent lamp (inverter-type fluorescent lamp, etc.) is used.  
- Operation of the air conditioner interferes with radio or TV reception. An amplifier may be used for the affected device.  
- When an abnormal sound is heard.
When the air conditioner is not going to be used for a long time

1. Set to the highest temperature in manual COOL mode, and operate for 3 to 4 hours. Page 4
   - This dries the inside of the unit.
   - Moisture in the air conditioner contributes to favorable conditions for growth of fungi, such as mold.

2. Press [ ] to stop the operation.

3. Turn off the breaker and/or disconnect the power supply plug.

4. Remove all batteries from the remote controller.

When using the air conditioner again:

1. Clean the air filter. Page 8

2. Check that the air inlet and outlet of the indoor and outdoor units are not blocked.

3. Check that the earth is connected correctly.

4. Refer to the "PREPARATION BEFORE OPERATION", and follow the instructions. Page 3

Installation place and electrical work

Installation place

Avoid installing the air conditioner in the following places.
- Where there is much machine oil.
- Salty places such as the seaside.
- Where sulfide gas is generated such as a hot spring.
- Where oil is splashed or where the area is filled with oily smoke (such as cooking areas and factories, in which the properties of plastic could be changed and damaged).
- Where there is high-frequency or wireless equipment.
- Where the air from the outdoor unit air outlet is blocked.
- Where the operation sound or air from the outdoor unit does not bother the house next door.

Electrical work

- Provide an exclusive circuit for the power supply of the air conditioner.
- Be sure to observe the breaker capacity.

If you have any questions, consult your dealer.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Set name</th>
<th>MSZ-SF25VE2(H)</th>
<th>MSZ-SF35VE2(H)</th>
<th>MSZ-SF42VE2(H)</th>
<th>MSZ-SF50VE2(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>MSZ-SF25VE2</td>
<td>MSZ-SF35VE2</td>
<td>MSZ-SF42VE2</td>
<td>MSZ-SF50VE2</td>
<td></td>
</tr>
<tr>
<td>Outdoor</td>
<td>MUZ-SF25VE</td>
<td>MUZ-SF35VE</td>
<td>MUZ-SF42VE</td>
<td>MUZ-SF50VE</td>
<td></td>
</tr>
</tbody>
</table>

Function

Power supply: ~ N, 230 V, 50 Hz

Capacity (kW)
- Cooling: 2.5, 3.2, 3.5, 4.0, 4.2, 5.4, 5.0, 5.8
- Heating: 2.7, 3.8, 4.2, 5.4, 6.0, 7.0

Input (kW)
- Cooling: 0.60, 0.78, 1.08, 1.03, 1.34, 1.58, 1.66, 1.70
- Heating: 0.60, 0.78, 1.08, 1.03, 1.34, 1.58, 1.66, 1.70

Weight
- Indoor: kg 31, 31, 35, 55
- Outdoor: kg 10, 31, 31, 35

Refrigerant filling capacity (R410A) kg
- Indoor: 0.70, 0.80, 1.15, 1.55
- Outdoor: 42/36/30/24/19, 45/39/34/24/19, 42/36/30/24/19, 46/40/34/31/26, 47/42/36/31/26, 45/40/36/33/28, 49/43/38/33/28

IP code
- Indoor: IP 20
- Outdoor: IP 24

Permissible excessive operating pressure
- LP: ps MPa
  - Indoor: 42/36/30/24/19, 45/39/34/24/19, 42/36/30/24/19, 46/40/34/31/26, 47/42/36/31/26, 45/40/36/33/28, 49/43/38/33/28
  - Outdoor: 47, 48, 49, 50, 51, 52, 52

Noise level
- Indoor (Super High/High/Med./Low/Silent) dB(A)
  - 42/36/30/24/19, 45/39/34/24/19, 42/36/30/24/19, 46/40/34/31/26, 47/42/36/31/26, 45/40/36/33/28, 49/43/38/33/28
- Outdoor dB(A)
  - Upper limit: 32°C DB, 22°C WB
  - Lower limit: 15°C DB, 10°C DB
- Heating
  - Upper limit: 27°C DB, 24°C DB
  - Lower limit: 20°C DB, -15°C DB

Guaranteed operating range

<table>
<thead>
<tr>
<th>Indoor</th>
<th>Outdoor</th>
<th>MUZ-SF25VE25/35/42VE</th>
<th>MUZ-SF25VE25/35/42VEH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>Upper limit: 32°C DB, 22°C WB</td>
<td>46°C DB, 46°C DB</td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td>Upper limit: 27°C DB, 24°C DB</td>
<td>24°C DB, 24°C DB</td>
<td></td>
</tr>
</tbody>
</table>

Note:
Rating condition
- Cooling: Indoor: 27°C DB, 19°C WB
  - Outdoor: 35°C DB
- Heating: Indoor: 20°C DB
  - Outdoor: 7°C DB, 6°C WB

DB: Dry Bulb
WB: Wet Bulb
MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD
AMATA NAKORN INDUSTRIAL ESTATE 700/406 MOO 7, TAMSON CON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND

DECLARATION OF CONFORMITY
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DECLARATION DE CONFORMITÉ CE
CONFORMITEVERKLARING
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2006/95/EC: Low Voltage Directive

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