

Mando MP-NF23-18H

Mando Plus MP-NF23-18H Split Air Conditioner User Manual

Model: MP-NF23-18H

1. IMPORTANT SAFETY INSTRUCTIONS

Read all instructions carefully before using the air conditioner. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the unit's requirements. Do not use damaged power cords or plugs. Never operate with wet hands.
- **Installation:** Installation must be performed by a qualified professional. Improper installation can lead to electric shock, fire, or water leakage.
- **Operation:** Do not insert fingers or objects into the air inlet/outlet. Do not spray water directly onto the unit.
- **Maintenance:** Disconnect power before cleaning or performing maintenance. Use only specified cleaning agents.
- **Children and Vulnerable Persons:** This appliance is not intended for use by persons 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 they do not play with the appliance.

2. PRODUCT OVERVIEW

The Mando Plus MP-NF23-18H is a split-type air conditioner designed for both cooling and heating, offering a capacity of 18100 BTU. It features an 'Auto Clean' function for enhanced air quality and ease of maintenance.

Components

- **Indoor Unit:** Mounted inside the room, responsible for air distribution.
- **Outdoor Unit:** Placed outside, houses the compressor and condenser.
- **Remote Control:** For convenient operation and setting adjustments.

Indoor Unit



Figure 2.1: Front view of the Mando Plus MP-NF23-18H indoor unit, showing the sleek white casing and digital display.

Outdoor Unit



Figure 2.2: The Mando Plus MP-NF23-18H outdoor unit, featuring the fan grille and robust casing.

3. INSTALLATION GUIDE

Warning: Installation of this air conditioner requires specialized skills and tools. It must be performed by a certified and qualified technician to ensure safety and proper operation. Improper installation can void the warranty and lead to serious hazards.

General Steps (for professional reference):

1. **Site Selection:** Choose appropriate locations for both indoor and outdoor units, considering airflow, drainage, and structural support.
2. **Mounting:** Securely mount the indoor unit plate and outdoor unit bracket.
3. **Piping Connection:** Connect refrigerant pipes between the indoor and outdoor units, ensuring proper insulation and leak-free joints.
4. **Drainage:** Install the drain hose for condensate removal from the indoor unit.

5. **Electrical Wiring:** Connect the power supply and communication cables according to the wiring diagram provided with the unit.
6. **Vacuumping and Test Run:** Evacuate the refrigerant lines and perform a test run to check for proper operation and performance.

4. OPERATING INSTRUCTIONS

The air conditioner is controlled via the included remote control. Ensure the remote has fresh batteries and is pointed towards the indoor unit.

Remote Control Functions:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Cool, Heat, Fan, Dry, Auto.
- **Temperature Buttons (▲/▼):** Adjusts the desired temperature.
- **Fan Speed Button:** Selects fan speed (Low, Medium, High, Auto).
- **Swing Button:** Controls the vertical louver movement for air direction.
- **Timer Button:** Sets the ON/OFF timer.
- **Auto Clean Button:** Activates the self-cleaning function for the indoor coil.

Operating Modes:

- **Cool Mode:** Provides cooling by removing heat from the room.
- **Heat Mode:** Provides heating by transferring heat into the room.
- **Fan Mode:** Circulates air without cooling or heating.
- **Dry Mode:** Reduces humidity in the room.
- **Auto Mode:** Automatically selects the operating mode based on the room temperature.



Figure 4.1: The indoor unit with its airflow louvers open, demonstrating air distribution.

5. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your air conditioner. Always disconnect power before performing any maintenance.

Air Filter Cleaning (Every 2 weeks or as needed):

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water and mild detergent.
4. Rinse thoroughly and allow to dry completely in a shaded area before reinserting.

Outdoor Unit Cleaning (Annually or as needed):

- Clear any debris (leaves, dust) from around the outdoor unit.
- Gently clean the outdoor coil fins with a soft brush or low-pressure water spray. Avoid bending the fins.
- Ensure the drainage outlet is clear.

Auto Clean Function:

Press the 'Auto Clean' button on the remote control to activate the self-cleaning cycle, which helps prevent mold and bacteria growth on the indoor coil.

6. TROUBLESHOOTING

Before contacting service, review the following common issues and solutions.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries low	Check circuit breaker; Replace remote batteries
Insufficient cooling/heating	Dirty air filter; Doors/windows open; Temperature setting incorrect	Clean air filter; Close doors/windows; Adjust temperature setting
Unusual noise	Loose parts; Obstruction in fan	Check for loose components; Remove obstructions (after disconnecting power)
Water leakage from indoor unit	Clogged drain hose; Improper installation	Clear drain hose; Contact a professional for inspection

If the problem persists after attempting these solutions, please contact a qualified service technician.

7. SPECIFICATIONS

Key technical specifications for the Mando Plus MP-NF23-18H air conditioner.

Feature	Detail
Model Number	MP-NF23-18H
Type	Split System Air Conditioner
Capacity	18100 BTU (1.4 to 1.5 Tons / HP)
Functionality	Hot/Cold (Cooling and Heating)
Coverage Area	Up to 150 sq.ft

Feature	Detail
Color	White
Power Source	Corded Electric
Special Features	Auto Clean
Control Method	Remote Control
Product Dimensions (Indoor Unit)	43.8D x 43.8W x 75H cm (Approximate)
Item Weight	45 Kilograms (Total unit weight, approximate)

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.

For technical support or service inquiries, please contact the authorized Mando service center in your region. Contact details can typically be found on the manufacturer's official website or your purchase documentation.