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**INTSUPERMAI MAC-65**

# INTSUPERMAI MAC-65 Mobile Industrial Spot Cooler Air Conditioner User Manual

Model: MAC-65

## 1. Introduction and Overview

The INTSUPERMAI MAC-65 is a mobile industrial spot cooler designed for efficient and targeted cooling in various demanding environments. This unit features three adjustable cooling air ducts, a microcomputer control system, and a double drainage system for continuous operation. Its portable design with caster wheels allows for easy relocation and temporary cooling solutions.
This manual provides essential information for the safe and effective use, installation, operation, and maintenance of your MAC-65 industrial air conditioner.

## 2. Safety Information

**WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- **Electrical Requirements:** This unit operates on 220V. Ensure your power supply meets this requirement. Professional electrical installation may be necessary for proper plug configuration (e.g., American 220V outlet).
- **Clearance:** Maintain a minimum of 3 feet (approximately 90 cm) of clear space on all sides of the unit to ensure proper heat dissipation and prevent overheating.
- **Exhaust Ducting:** An 18-inch (approximately 45 cm) 90-degree straight vertical ceiling exhaust duct is required for proper operation. If bends are present in the exhaust duct, its length must be cut down to 8 feet (approximately 2.4 meters) or less to prevent heat buildup and activation of safety mode. The exhaust duct is not included and must be purchased separately.
- **Drainage:** Ensure the water storage tank is regularly emptied or an external drain pipe is properly connected to prevent overflow.
- **Placement:** Position the unit on a stable, level surface. The caster wheels are for transport, not for operation on uneven ground.
- **Maintenance:** Always unplug the unit from the power source before performing any maintenance or cleaning.

## 3. Product Features

- **Three Cooling Outlets:** Equipped with three extendable cooling air ducts for targeted spot cooling.
- **Microcomputer Control:** Digital control panel allows adjustment of output temperature and two wind speeds (strong/weak). Features automatic water full alarm and other security functions.
- **Double Drainage System:** Includes a 14L internal water storage tank and an option for external water pipe drainage.
- **Portability:** Caster wheels enable easy transport and relocation within the workspace.
- **Durable Construction:** Made from high-quality stainless steel.
- **Versatile Application:** Suitable for workshops, factories, temporary offices, hospitals, research institutes, and outdoor events.

## 4. Components and Parts



Figure 4.1: Overall view of the MAC-65 unit with key dimensions. The unit measures 22"D x 24.8"W x 49.6"H (56cm x 63cm x 126cm).




Figure 4.2: Detail of the three cooling air ducts. Inner diameter is 4.5 inches (11.5 cm), outer diameter is 5.3 inches (13.5 cm), and duct length is 16.93 inches (43 cm).




Figure 4.3: Key components including the control panel, top exhaust fan, removable water storage tank, and durable swivel casters.

### Control Panel

The control panel features an LED display for temperature, buttons for power, blower speed, spot/room cooling mode, and temperature adjustment. An alarm indicator is also present.

### Water Storage Tank

A 14-liter water storage tank collects condensate. It can be easily removed for emptying. An external drain can also be connected for continuous drainage.

### Caster Wheels

Four swivel casters are installed at the base of the unit for convenient mobility.

## 5. Setup and Installation

1. **Unpacking:** Carefully remove the unit from its packaging. Retain the original crate for potential future transport or returns.
2. **Placement:** Position the air conditioner on a firm, level surface. Ensure there is at least 3 feet (90 cm) of unobstructed space around all sides of the unit for adequate airflow and heat dissipation.
3. **Electrical Connection:** Connect the unit to a dedicated 220V power outlet. Consult a qualified electrician if your existing electrical infrastructure does not support the required voltage or plug type.
4. **Exhaust Duct Installation:** Install an appropriate exhaust duct (not included) to vent hot air away from the cooling area. A straight vertical duct of 18 inches (45 cm) is recommended. If bends are necessary, limit the total duct length to 8 feet (2.4 meters) to prevent heat buildup.
5. **Cooling Duct Adjustment:** Adjust the three flexible cooling air ducts to direct cool air precisely to the desired spot or area.
6. **Drainage Setup:** Decide on the drainage method. You can either rely on the internal 14L water storage tank, which requires manual emptying when full, or connect an external drain hose for continuous water removal.

# 6. Operating Instructions

## Control Panel Functions

- **POWER Button:** Press to turn the unit ON or OFF.
- **BLOWER Button:** Adjusts the fan speed between two settings (e.g., low and high).
- **SPOT/COOL Button:** Activates spot cooling mode, directing cool air through the ducts.
- **ROOM/COOL Button:** Activates room cooling mode for general area cooling.
- **Up/Down Arrows:** Adjust the desired temperature setting. The display shows the set temperature.
- **LED Display:** Shows the current ambient temperature and the set temperature. Note: Temperature is displayed in Celsius only.
- **ALARM Indicator:** Illuminates to indicate a fault or when the water tank is full.

## Starting Operation

1. Ensure the unit is properly plugged into a 220V power source.
2. Press the **POWER** button to turn on the unit.
3. Select your desired cooling mode:**SPOT/COOL** for directed cooling or **ROOM/COOL** for general area cooling.
4. Use the **Up/Down Arrows** to set the target temperature.
5. Adjust the fan speed using the**BLOWER** button as needed.
6. The unit will begin cooling, and the LED display will show the current operating temperature.

# 7. Maintenance

## Filter Replacement and Cleaning

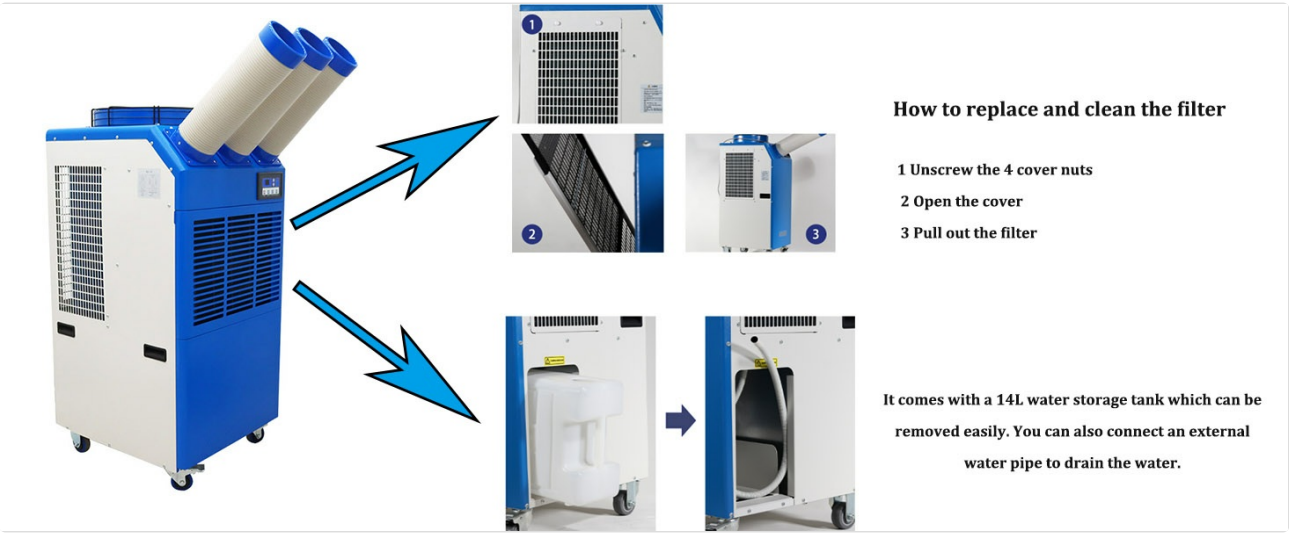


Figure 7.1: Instructions for filter access and water tank removal.

1. **Power Off:** Ensure the unit is turned off and unplugged from the power source.
2. **Access Filter:** Unscrew the four cover nuts securing the filter panel.
3. **Remove Cover:** Carefully open the cover.
4. **Pull Out Filter:** Gently pull out the air filter.

5. **Clean Filter:** Clean the filter using a vacuum cleaner or by washing it with mild soap and water. Allow it to dry completely before reinstallation.
6. **Reinstall:** Insert the clean, dry filter back into its position, close the cover, and secure it with the four cover nuts.

### Draining the Water Tank

The unit will produce condensate water during operation. When the internal 14L water storage tank is full, an alarm will activate. To drain:

1. **Power Off:** Turn off and unplug the unit.
2. **Remove Tank:** Locate the water storage tank at the bottom of the unit and carefully pull it out.
3. **Empty Water:** Empty the collected water.
4. **Reinstall Tank:** Slide the empty tank back into its position until securely seated.

For continuous operation without manual emptying, connect an external drain hose to the designated drainage port.

## 8. Troubleshooting

- **Unit Not Turning On:** Check power connection and ensure the 220V supply is active. Verify the power button is pressed.
- **Insufficient Cooling:**
  - Ensure adequate clearance (3 feet) around the unit.
  - Check if the exhaust duct is properly installed and not obstructed. Verify duct length is within recommended limits if bends are present.
  - Clean the air filter if it is dirty.
  - Verify the temperature setting is lower than the ambient temperature.
- **Water Full Alarm:** The alarm indicates the internal water storage tank is full. Empty the tank or connect an external drain hose.
- **Unusual Noises or Odors:** Turn off the unit immediately and unplug it. Contact customer support for assistance.
- **Temperature Display in Celsius Only:** This unit displays temperature exclusively in Celsius. There is no option to switch to Fahrenheit.

## 9. Specifications

| Parameter | Value |
|---|---|
| Brand | INTSUPERMAI |
| Model Name | MAC-65 |
| Product Dimensions (D x W x H) | 22" x 24.8" x 49.6" (56cm x 63cm x 126cm) |
| Voltage | 220V |
| Ampere | 10.8A |

| Parameter | Value |
|---|---|
| Power | 2400W |
| Refrigerant | R 410A |
| Refrigerant Amount | 1200g |
| Air Flow | 910m³/h |
| Use Environment Temperature | 18°C ~ 45°C |
| Water Storage Tank Capacity | 14 Liters |
| Core Material | Stainless Steel |
| Filter Type | Activated Carbon Filter |
| Control Method | Microcomputer Control Panel |
| Compressor Type | Rotary Scroll |
| UPC | 723508835461 |

## 10. Warranty and Support

This product comes with a **6-month limited warranty**. Please retain your proof of purchase for warranty claims. For technical support, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the manufacturer directly. Be prepared to provide your model number (MAC-65) and purchase date.


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