

## Nikai NSAC24131N23

# Nikai NSAC24131N23 2 Ton Split Air Conditioner User Manual

Model: NSAC24131N23

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your Nikai NSAC24131N23 2 Ton Split Air Conditioner. Please read these instructions thoroughly before installation and use, and retain this manual for future reference. Proper installation, operation, and maintenance are crucial for optimal performance and longevity of the unit.

## 2. SAFETY INFORMATION

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### Important Safety Instructions:

- Ensure the unit is installed by a qualified technician in accordance with local electrical and safety codes.
- Do not attempt to repair or modify the air conditioner yourself. Contact authorized service personnel for all repairs.
- Always disconnect power before cleaning or performing any maintenance.
- Keep children away from the unit during operation and maintenance.
- Do not block the air intake or outlet vents.
- Use only the specified refrigerant (R-410A).
- Ensure proper grounding to prevent electric shock.

## 3. PRODUCT OVERVIEW AND FEATURES

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The Nikai NSAC24131N23 is a 2-ton split air conditioner designed for efficient cooling in various indoor environments. It incorporates advanced features for enhanced performance and user comfort.

### Key Features:

- **T3 Tropical Rotary Compressor:** Provides high-efficiency cooling, ensuring exceptional performance even in hot and humid climates.

- **24000 BTU Cooling Power:** Delivers powerful and rapid cooling for large areas.
- **4-Way Airflow (Swing):** Ensures uniform distribution of cool air throughout the room.
- **Gold Fin Technology:** Protects AC coils against corrosion from rainwater, humidity, and salty atmospheric conditions, enhancing durability and heat transfer efficiency.
- **R-410A Refrigerant:** An environmentally friendly refrigerant known for its high energy efficiency.
- **Low Noise Operation:** Designed for a quiet and peaceful indoor environment.
- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep and energy saving.
- **Turbo Mode:** Provides rapid cooling when quick temperature reduction is desired.
- **Auto-Restart Function:** Automatically resumes previous settings after a power outage.
- **Smart Defrost Function:** Prevents ice buildup on the outdoor unit, maintaining heating efficiency in cold conditions.

## Product Components:

Your Nikai Split AC system consists of an indoor unit, an outdoor unit, and a remote control.

**2 TON SPLIT ROTARY AC**  
YOUR TRUSTED SOURCE FOR  
**SUPERCool COMFORT**

**GOLD FIN TECHNOLOGY** **TURBO/INSTANT COOLING** **LED HIDDEN LED DISPLAY** **BTU 24,000 BTU BRITISH THERMAL UNIT**

Figure 3.1: Nikai Split AC indoor unit in a typical living room setting.



## HIGH AMBIENT COOLING

Even in scorching temperatures of 53°C, the 18°C air inside keeps you comfortable

Figure 3.2: The air conditioner maintaining a comfortable 18°C indoors even with high outdoor temperatures.

## 4. SETUP AND INSTALLATION

Installation of this split air conditioner requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified and experienced HVAC technician to ensure proper functioning, safety, and warranty validity.

### Pre-Installation Checks:

- Verify that the power supply matches the unit's requirements (220V, 50Hz).
- Ensure the installation location for both indoor and outdoor units allows for proper airflow and drainage.
- Confirm that the wall structure can support the weight of the indoor unit.

### General Installation Steps (for technician reference):

1. Mount the indoor unit securely on the wall, ensuring it is level.
2. Install the outdoor unit on a stable, level surface, away from direct sunlight or obstructions.

3. Connect the refrigerant lines and electrical wiring between the indoor and outdoor units.
4. Perform vacuuming and refrigerant charging (if necessary, as the unit typically comes pre-charged with R-410A).
5. Connect the drainage pipe from the indoor unit to an appropriate drain point.
6. Test the unit for proper operation, including all modes and features.

## 5. OPERATING INSTRUCTIONS

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Your Nikai Split AC is controlled via the included remote control. Familiarize yourself with the remote's functions for optimal use.

### Remote Control Functions:

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through operating modes: Cool, Fan, Dry, Auto.
- **TEMP +/- Buttons:** Adjusts the desired temperature setting.
- **FAN Speed Button:** Selects fan speed (Low, Medium, High, Auto).
- **SWING Button:** Activates or deactivates the 4-way airflow swing function.
- **TURBO Button:** Initiates rapid cooling for quick temperature reduction.
- **SLEEP Button:** Activates Sleep Mode for energy-efficient and quiet operation during sleep.
- **TIMER Button:** Sets the unit to turn on or off automatically after a set period.



Figure 5.1: The 4-way swing feature ensures comprehensive air distribution.

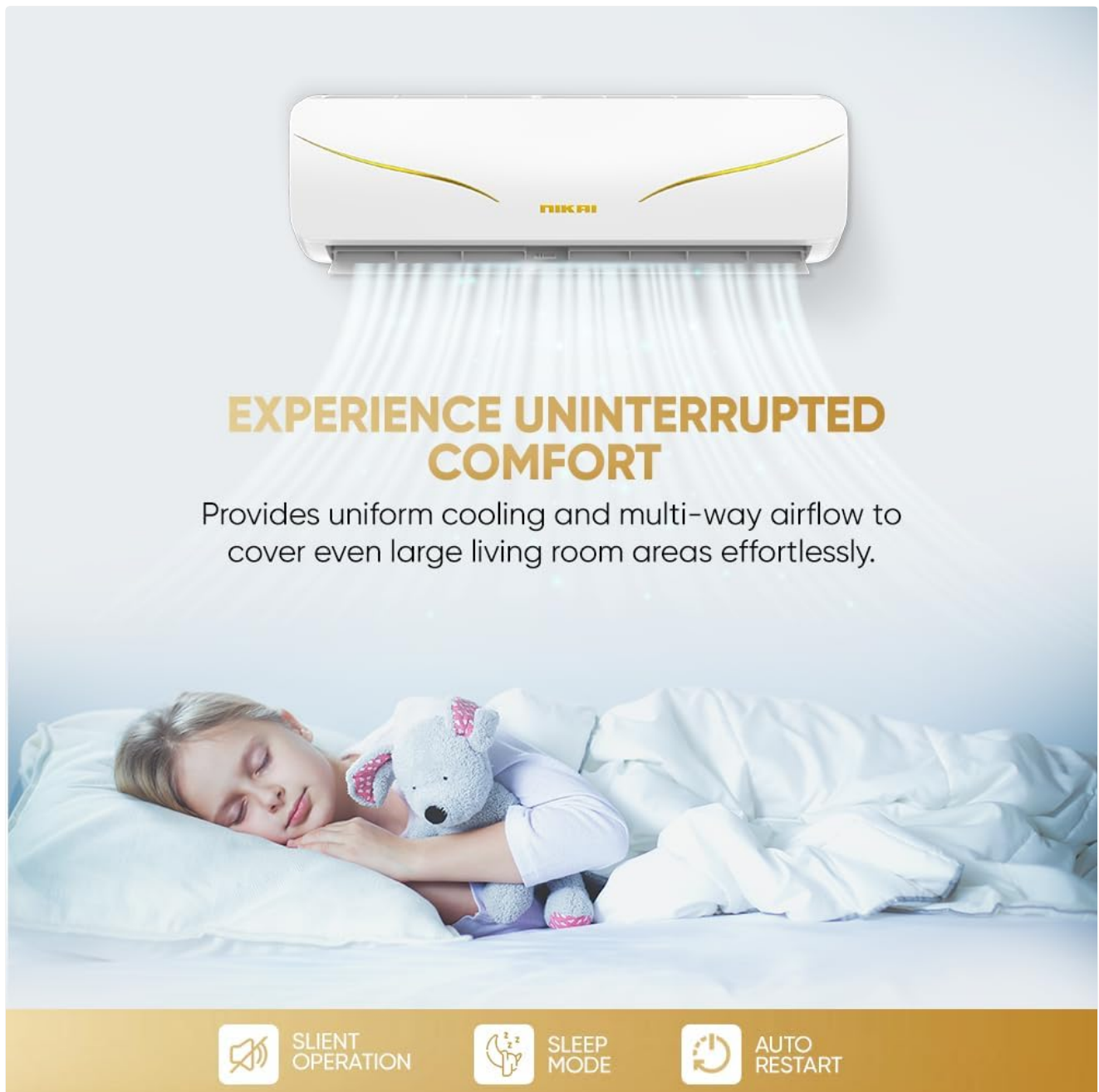


Figure 5.2: Features like Silent Operation and Sleep Mode contribute to uninterrupted comfort.

## 6. MAINTENANCE

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Regular maintenance ensures the efficiency and longevity of your air conditioner. Always disconnect power before performing any maintenance.

### Filter Cleaning:

- The air filters should be cleaned every two weeks or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit and remove the air filters.
- Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
- Allow filters to dry completely in a shaded area before reinserting them. Do not expose to direct sunlight.

### General Cleaning:

- Wipe the indoor unit's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the outdoor unit's coils are free from debris, leaves, and dirt. Use a soft brush or vacuum cleaner to

gently clean the fins.

### Professional Servicing:

It is recommended to have your air conditioner professionally serviced at least once a year to check refrigerant levels, clean coils, and inspect electrical components.



Figure 6.1: Gold Fin Technology protects the coils, but regular cleaning is still necessary.

## 7. TROUBLESHOOTING

Before contacting service, please check the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries low; Circuit breaker tripped.	Check power connection; Replace batteries; Reset circuit breaker.

Problem	Possible Cause	Solution
Insufficient cooling	Dirty air filters; Blocked outdoor unit; Room too large; Temperature setting too high.	Clean air filters; Clear obstructions from outdoor unit; Ensure room size is appropriate for 2-ton AC; Lower temperature setting.
Unusual noise	Loose parts; Fan obstruction; Unit not level.	Check for loose components; Remove any obstructions; Ensure unit is installed on a level surface. If noise persists, contact service.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Clear drain pipe obstruction; Contact technician for inspection and re-installation if necessary.

If the problem persists after attempting these solutions, please contact authorized service personnel.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Nikai
Model Name	NSAC24131N23
Capacity	2 Ton
Cooling Power	24000 BTU
Refrigerant	R-410A
Compressor Type	Rotary (T3 Tropical)
Voltage	220V
Frequency	50 Hz
Noise Level	38 dB
Product Dimensions (DxWxH)	55 cm x 130 cm x 55 cm
Item Weight	30 kg
Annual Energy Consumption	3500 kWh/year
Energy Efficiency Rating	1 Star (BEE)
Special Features	Sleep Mode, Turbo Mode, 4-Way Airflow, Gold Fin Technology
Control Method	Remote Control

## 9. WARRANTY AND SUPPORT

**Warranty Information:**

- The Nikai NSAC24131N23 Split Air Conditioner comes with a **1-year limited warranty** for indoor use.
- The compressor is covered by a separate **5-year limited warranty**.
- Please retain your purchase receipt as proof of purchase for warranty claims.
- The warranty covers manufacturing defects and does not cover damage resulting from improper installation, misuse, neglect, or unauthorized repairs.

**Customer Support:**

For technical assistance, warranty claims, or service inquiries, please contact Nikai customer support through their official website or the contact information provided with your purchase documentation. When contacting support, please have your model number (NSAC24131N23) and purchase date ready.