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NABAIDUN PC12-SMA

NABAIDUN Portable Spot Cooler

Model: PC12-SMA

INTRODUCTION

Thank you for purchasing the NABAIDUN Portable Spot Cooler, Model PC12-SMA. This versatile appliance is designed to provide efficient cooling and dehumidification for various indoor environments, including homes, offices, and workshops. Its portable design and easy setup make it an ideal solution for targeted cooling without permanent installation.

This instruction manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new spot cooler. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: NABAIDUN Portable Spot Cooler PC12-SMA

This image shows the NABAIDUN Portable Spot Cooler in operation, with cool air being emitted from the front vent. A hand is holding the remote control, and ice cubes are visible at the base of the unit, symbolizing its cooling capability. The unit is white with black accents and features a flexible exhaust hose extending from the back.

SAFETY INSTRUCTIONS

To ensure safe operation, always adhere to the following safety precautions:

- Read all instructions before using the appliance.
- Use only on a stable, level surface to prevent tipping.
- Do not block air inlets or outlets. Maintain adequate clearance around the unit for proper airflow.
- Do not operate the unit with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent.
- Do not insert fingers or foreign objects into the air outlets.
- Unplug the unit from the power outlet before cleaning or performing any maintenance.
- Keep the unit away from water and other liquids. Do not operate in excessively humid environments where water may splash onto the unit.

- 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.

PRODUCT OVERVIEW

Components

- Main Unit (Portable Spot Cooler)
- Exhaust Duct
- Window Panel Kit
- Remote Control
- Drain Hose (for continuous drainage)
- Air Filters (pre-installed)

Control Panel and Remote Control

The control panel is located on the top of the unit, providing easy access to all functions. A remote control is also included for convenient operation from a distance.

24時間までタイマー設定

分かりやすいタッチパネル



1時間刻みで設定が可能

遠隔操作を可能にするリモコン



Figure 2: Control Panel and Remote Control

This image displays the top control panel of the NABAIDUN Portable Spot Cooler, featuring a digital display and touch-sensitive buttons for various settings. Below it, a hand is shown operating the remote control, demonstrating the convenience of remote operation in an office setting. The remote allows for power, mode, temperature, fan speed, timer, and sleep function adjustments.

Familiarize yourself with the buttons and indicators:

- **Power Button:** Turns the unit on or off.
- **Mode Button:** Cycles through Cooling, Dehumidification, and Fan modes.
- **Temperature Up/Down Buttons:** Adjusts the desired temperature.

- **Fan Speed Button:** Selects between Low, Medium, and High fan speeds.
- **Timer Button:** Sets the auto-on or auto-off timer (up to 24 hours).
- **Swing Button:** Activates or deactivates the automatic horizontal air swing.
- **Sleep Button:** Activates sleep mode for quieter operation and gradual temperature adjustment.
- **Display:** Shows current temperature, timer settings, and error codes.

SETUP

1. Unpacking

Carefully remove the unit and all accessories from the packaging. Inspect for any damage during transit. Keep the packaging for future storage or transport.

2. Placement

Place the spot cooler on a firm, level surface. Ensure there is at least 20 cm (8 inches) of space around the unit for proper air circulation. The unit is equipped with casters for easy movement.

3. Window Panel and Exhaust Duct Installation

To ensure efficient cooling, the hot air generated by the unit must be exhausted outside. This unit comes with an exhaust duct and a window panel kit for easy installation without permanent construction.

工事不要

窓の長さ：
575~
1000mm
対応



Figure 3: Dimensions and Window Panel Installation

This image illustrates the compact dimensions of the NABAIDUN Portable Spot Cooler (48cm width, 31.5cm depth, 75.5cm height) and highlights its "no construction required" feature. It shows the exhaust duct connected to the unit and extending to a window, where it is secured by an adjustable window panel. The panel is suitable for window lengths between 575mm and 1000mm, ensuring hot air is expelled outdoors and cool air is retained indoors.

1. Extend the exhaust duct and attach one end to the exhaust outlet on the back of the unit.
2. Adjust the window panel to fit your window opening (compatible with window lengths from 575mm to 1000mm).
3. Insert the other end of the exhaust duct into the opening of the window panel.

4. Close the window securely around the panel to minimize air leakage.

4. Drainage Setup

The NABAIDUN PC12-SMA features a non-drain design during cooling operation, where condensed water is evaporated and expelled with the exhaust air. However, for continuous dehumidification or in very humid conditions, continuous drainage is recommended.

圧倒的にパワフルな
除湿能力を誇る！

除湿能力
約**50L**/日

2Lペットボトル
約**25**本分

排水ホースで連続排水

下部排水口から排水

E4

満水停止機能付きで、
満水になっても水が溢れる心配はありません！

The advertisement features a large central image of the NABAIDUN PC12-SMA dehumidifier. To its left, a group of 25 clear plastic 2-liter bottles is shown, with a blue circular graphic indicating a dehumidification capacity of approximately 50 liters per day. Below this, two smaller images illustrate drainage options: one showing the unit with a blue drain hose connected to a bucket, and another showing the unit with a grey tray placed under the bottom drain. A red speech bubble with the number 'E4' is positioned above the main unit. At the bottom, large blue and black text highlights the 'full water stop' function, which prevents water from overflowing when the tank is full.

Figure 4: Dehumidification and Drainage Options

This image highlights the powerful dehumidification capability of the NABAIDUN Portable Spot Cooler, stating it can remove approximately

50 liters of moisture per day, equivalent to about 25 two-liter PET bottles. It also shows two drainage methods: continuous drainage using a hose into a bucket, and direct drainage from the bottom outlet. The unit features a full-water stop function to prevent overflow.

- **Non-Drain Operation (Cooling Mode):** The unit is designed to self-evaporate most condensed water. No manual drainage is typically required in cooling mode.
- **Continuous Drainage (Dehumidification Mode or High Humidity):**
 - a. Locate the continuous drain port on the lower rear of the unit.
 - b. Connect the provided drain hose to this port.
 - c. Route the other end of the hose to a suitable drain or collection bucket, ensuring it is lower than the drain port to allow gravity flow.

OPERATING INSTRUCTIONS

1. Power On/Off

Plug the power cord into a grounded electrical outlet. Press the **Power** button on the control panel or remote control to turn the unit on or off.

2. Mode Selection

Press the **Mode** button repeatedly to cycle through the available operating modes:

- **Cooling Mode:** Provides powerful cooling. Set your desired temperature.
- **Dehumidification Mode:** Removes excess moisture from the air. Continuous drainage is recommended for this mode.
- **Fan Mode:** Circulates air without cooling or dehumidifying.

3. Temperature Adjustment (Cooling Mode Only)

In Cooling Mode, use the **Temperature Up/Down** buttons to set your desired room temperature. The adjustable range is typically 17°C to 30°C.



Figure 5: Temperature Setting and Non-Drain Feature

This image illustrates the adjustable temperature range of the NABAIDUN Portable Spot Cooler, from 17°C to 30°C, and its suitability for rooms between 6.6 to 10.5 tatami mats (11-17 square meters). It also visually explains the non-drain feature: the heat exchanger evaporates condensed water, which is then expelled with the hot air through the exhaust duct, eliminating the need for manual drainage. The exhaust duct can extend up to approximately 150cm.

4. Fan Speed Adjustment

Press the **Fan Speed** button to select your preferred airflow: Low, Medium, or High. Higher speeds provide more powerful air circulation.

効率よく換気できる 送風量3段の選択可能

到達距離
5m

微風： 5.58m/s
弱風： 7.30m/s
強風： 8.78m/s

④自動運転

自動首振り機能により、
空気を循環させます！



Figure 6: Fan Speeds and Automatic Swing

This image demonstrates the three fan speed settings (gentle breeze at 5.58m/s, weak wind at 7.30m/s, strong wind at 8.78m/s) and the automatic swing function of the NABAIDUN Portable Spot Cooler. It shows air circulating efficiently throughout a room, indicating that the unit can effectively cool and ventilate the space. The unit's airflow can reach up to 5 meters.

5. Timer Function

The 24-hour timer allows you to set the unit to automatically turn on or off after a specified period. Press the **Timer** button and use the Temperature Up/Down buttons to adjust the desired time in 1-hour increments.

6. Automatic Swing Function

Press the **Swing** button to activate the automatic horizontal oscillation of the air outlet louvers, distributing cool air more widely across the room.

7. Sleep Mode

Activate Sleep Mode by pressing the **Sleep** button. In this mode, the fan speed will be set to low, and the set temperature will gradually increase by 1°C per hour for the first two hours, then maintain that temperature for quieter and more comfortable overnight operation.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your spot cooler. Always unplug the unit before cleaning.

1. Cleaning Air Filters

The air filters should be cleaned every two weeks or more frequently depending on usage and air quality. Dirty filters can reduce cooling efficiency and airflow.

ホコリを遮断！



Figure 7: Air Filter Cleaning

This image demonstrates the ease of cleaning the air filters of the NABAIDUN Portable Spot Cooler. It shows a hand easily removing the side air filter, followed by illustrations of cleaning the filter with a vacuum cleaner to remove dust and rinsing it with water. This highlights the simple maintenance process to block dust and maintain efficiency.

1. Gently pull out the air filter panels from the side of the unit.
2. Use a vacuum cleaner to remove dust and debris from the filter surface.
3. For thorough cleaning, rinse the filters under running water (lukewarm, not hot).
4. Allow the filters to air dry completely before reinserting them into the unit. Do not expose to direct sunlight or heat.

2. Draining Water (if applicable)

While the unit is designed for non-drain operation in cooling mode, if the internal water tank becomes full (e.g., during prolonged dehumidification or in extremely humid conditions), the unit may stop operating and display an error code. In such cases, or for seasonal storage, drain the water:

1. Turn off and unplug the unit.
2. Place a shallow pan or bucket under the lower drain port (usually located at the bottom rear).
3. Remove the drain plug to allow water to flow out.
4. Once all water has drained, replace the drain plug securely.

3. Storage

Before storing the unit for an extended period:

- Ensure all water has been drained from the unit.
- Clean the air filters.
- Store the power cord, exhaust duct, window panel kit, and remote control with the unit.
- Cover the unit with a plastic bag or cloth to protect it from dust.
- Store in a dry, cool place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Before contacting customer support, please refer to the following troubleshooting guide for common issues:

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, circuit breaker tripped.	Check power connection, ensure outlet is functional, reset circuit breaker.
Unit is not cooling effectively.	Dirty air filter, exhaust duct not properly installed, room too large, windows/doors open, air intake/outlet blocked.	Clean air filter, ensure exhaust duct is sealed and directed outside, close windows/doors, clear obstructions.
Unit is noisy.	Unit not on a level surface, fan obstruction, normal compressor noise.	Place on a level surface, check for obstructions in fan, normal operation may produce some noise.
Water leakage.	Drain plug loose, continuous drain hose not properly connected or blocked.	Ensure drain plug is secure, check continuous drain hose connection and clear any blockages.
Error code displayed.	Specific internal issue (e.g., full water tank, sensor error).	Refer to the unit's display for specific error codes (e.g., "E4" for full water tank, requiring drainage). If the issue persists, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	NABAIDUN
Model	PC12-SMA
Cooling Capacity	3.5 kW (3500 Watts)
Refrigerant	R410A
Dehumidification Capacity	Approx. 50 L/day
Operating Sound Level	51 dB
Voltage	100 V (AC)
Power Consumption	1090 W
Dimensions (D x W x H)	31.5 cm x 48 cm x 75.5 cm
Weight	33.5 kg
Timer	24-hour (1-hour increments)
Fan Speeds	3 (Low, Medium, High)
Special Features	Automatic Swing, Sleep Mode, Automatic Defrost, Non-Drain (Cooling), Casters

WARRANTY AND SUPPORT

For warranty information or technical support, please contact NABAIDUN customer service. Details regarding warranty coverage and service procedures can typically be found on the product packaging or the official NABAIDUN website.

When contacting support, please have your product model number (PC12-SMA) and purchase date available.