

SBONNI P124

SBONNI P124 PRO 100 mm Adjustable Air Extractor Fan User Manual

Model: P124

1. PRODUCT OVERVIEW

The SBONNI P124 PRO 100 mm Adjustable Air Extractor Fan is designed for efficient and quiet ventilation in various environments. It features adjustable airflow, overheating protection, and a durable construction for reliable, long-term operation. This manual provides essential information for safe installation, operation, and maintenance.

Key Features:

- **Powerful and Adjustable Ventilation:** 100 mm extractor with airflow from 90 to 310 m³/h, continuously adjustable for quiet or powerful ventilation. Note: Higher performance results in increased noise levels.
- **Reliable and Safe Operation:** Incorporates overheating protection and a reinforced 2m cable compliant with EU VDE standards, ensuring stable and durable performance.
- **Robust and Versatile:** Features a reinforced ABS casing, resistant to temperatures from -30 °C to 100 °C. Suitable for grow tents, 3D printers, greenhouses, garages, cellars, and bathrooms to effectively remove humidity and odors.
- **Economical and Durable:** Equipped with a brushless DC motor, up to 5000 rpm with only 8 W power consumption. Ideal for 24/7 operation (0.192 kWh/day), providing efficient ventilation with low energy consumption.



Figure 1: SBONNI P124 PRO 100 mm Adjustable Air Extractor Fan with speed controller.

Último modelo 2025 - Motor DC sin escobillas

Otros



- ✗ Motor normal
- ✗ Fallos frecuentes por alta temperatura
- ✗ Velocidad inestable, fluctúa
- ✗ Muy poco cobre
- ✗ Ruido continuo >35dB

VS

SBONNI



- ✓ Motor DC sin escobillas
- ✓ 100% cobre puro de primera calidad
- ✓ Motor a baja temperatura, larga vida útil
- ✓ Extremadamente silencioso, hasta 24dB
- ✓ Velocidad extremadamente estable, transición suave del flujo de aire

Figure 2: Comparison highlighting the brushless DC motor technology for improved efficiency and stability.



Figure 3: Product construction featuring high-quality, shock-resistant PC+ABS material and IP44 protection rating.



Figure 4: Detailed view of the brushless DC motor with 100% high-purity copper coil for enhanced performance and durability.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing and operating the fan. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply voltage matches the specifications indicated on the product label.
- Do not operate the fan with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- Do not insert fingers or foreign objects into the fan grille or moving parts.
- Keep the fan away from water and moisture. Do not use in excessively wet environments unless specifically rated for such use.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Disconnect the power supply before cleaning or performing any maintenance.
- Ensure proper ventilation around the fan to prevent overheating.

3. SETUP AND INSTALLATION

The SBONNI P124 PRO 100 mm fan is designed for quick and easy installation. Even without DIY experience, installation can be completed in minutes.

1. **Choose a Location:** Select a suitable location for installation, considering the required airflow direction and ducting. The fan can be used with straight or flexible ducts.
2. **Mounting:** The fan features anti-slip grooves for secure mounting. It can be installed in various configurations such as ceiling, wall, window, or inline within a duct system.
3. **Connect Ducting:** Connect appropriate 100 mm diameter ducting to both ends of the fan. Ensure connections are secure to prevent air leaks.
4. **Power Connection:** Plug the reinforced 2m power cable into a compatible electrical outlet.



Figure 5: Illustration of various installation options including ceiling, wall, window, and inline ducting for greenhouses.



Figure 6: The fan is compatible with both straight and flexible ducting for versatile application.

4. OPERATING INSTRUCTIONS

The SBONNI P124 PRO 100 mm fan features a continuous speed controller for precise airflow management.

1. **Power On/Off:** Rotate the control knob clockwise from the "MIN/OFF" position to turn the fan on. Continue rotating to increase speed.
2. **Adjusting Airflow:** The fan speed is continuously adjustable from 1450 to 5000 RPM, allowing for airflow control between 90 and 310 m³/h. Rotate the knob to achieve the desired ventilation level.
3. **Quiet Operation:** At lower settings, the fan operates quietly, with noise levels as low as 24 dB.
4. **Maximum Performance:** For maximum airflow and rapid air exchange, turn the knob to the "MAX" position. Be aware that noise levels will be higher at maximum speed (up to 45 dB).



Figure 7: The continuous speed controller allows for precise adjustment of fan speed and airflow.



Figure 8: The sliding adjustment provides a smooth transition of airflow from a gentle breeze to powerful ventilation.



Figure 9: Illustration of maximum airflow and speed capabilities, reaching up to 5000 RPM.

Brisa suave a baja velocidad Más silencioso y eficiente

Ruido de funcionamiento solo **24dB**, casi imperceptible



Figure 10: The fan is designed for quiet operation, producing as little as 24 dB of noise at low speeds.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your SBONNI P124 PRO 100 mm fan.

- **Cleaning:** Disconnect the fan from the power supply before cleaning. Use a soft, damp cloth to wipe the exterior of the fan. Do not use abrasive cleaners or solvents.
- **Ducting Inspection:** Periodically check the ducting for any blockages, dust accumulation, or damage that could impede airflow.
- **Motor:** The brushless DC motor is designed for long-term, maintenance-free operation. No lubrication is required.
- **Storage:** If storing the fan for an extended period, ensure it is clean and dry. Store in a cool, dry place away from direct sunlight.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply; damaged cable/plug; control knob in "OFF" position.	Check power connection; inspect cable for damage (do not use if damaged); rotate control knob clockwise past "MIN/OFF".
Low airflow.	Fan speed set too low; blocked ducting; fan installed incorrectly.	Increase fan speed using the control knob; check ducting for obstructions; ensure proper installation as per Section 3.
Excessive noise.	Fan speed set too high; loose mounting; foreign object in fan blades.	Reduce fan speed; ensure fan is securely mounted; disconnect power and carefully check for obstructions in the blades.
Overheating.	Blocked airflow; continuous operation at maximum load in high ambient temperatures.	Ensure clear airflow paths; reduce operating time or speed if ambient temperatures are very high. The fan has built-in overheating protection.

7. SPECIFICATIONS

Feature	Specification
Model Number	P124
Brand	SBONNI
Product Dimensions	18.5 x 9.8 x 9.8 cm (7.3 x 3.9 x 3.9 inches)
Weight	600 g (1.32 lbs)
Duct Diameter	100 mm
Power Source	AC
Wattage	8 Watts
Airflow Capacity	90 - 310 m³/h (continuously adjustable)
Noise Level	24 - 45 dB (depending on setting)
Material	Acrylonitrile Butadiene Styrene (ABS)
Special Feature	Bidirectional airflow, Overheating Protection
Cable Length	2 meters
Operating Temperature Range	-30 °C to 100 °C



8. WARRANTY AND SUPPORT

SBONNI is committed to providing high-quality products and excellent customer service.

- **Warranty:** This product comes with a 24-month warranty.
- **Returns:** Express returns are available within 30 days of purchase.
- **Customer Service:** Our customer service team is available 24 hours a day, 7 days a week to assist you with any inquiries or issues.

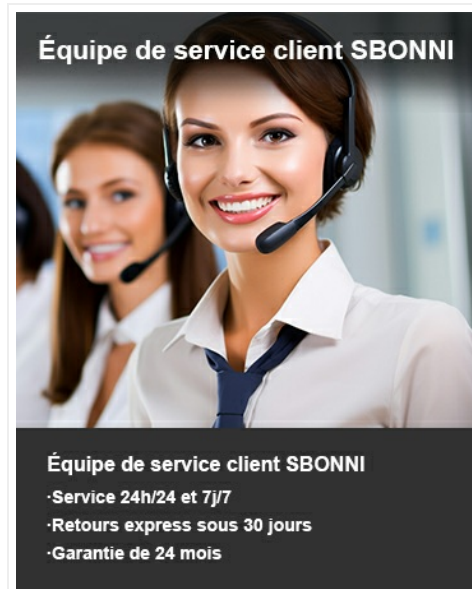


Figure 13: SBONNI customer service details, including 24/7 support, 30-day express returns, and 24-month warranty.



Figure 14: Product certifications including CE, RoHS, and recycling symbols.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question