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> [SANYO DENKI SAN ACE 120 Fan Model 109P1224H1061 User Manual](#)

SANYO 109P1224H1061

SANYO DENKI SAN ACE 120 Fan

MODEL: 109P1224H1061 USER MANUAL

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1. Introduction

This manual provides instructions for the installation, operation, and maintenance of the SANYO DENKI SAN ACE 120 Fan, Model 109P1224H1061. This fan is designed to provide efficient forced air cooling for various electronic and industrial applications, including desktop computer systems. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

- Always disconnect power before installing, cleaning, or performing maintenance on the fan.
- Ensure the power supply voltage matches the fan's specifications (24V DC). Incorrect voltage can damage the fan or connected equipment.
- Avoid touching the fan blades while the fan is operating or connected to power.
- Do not obstruct the fan's intake or exhaust. Ensure adequate clearance for proper airflow.
- Keep the fan away from water, moisture, and excessive dust to prevent electrical hazards and damage.
- Handle the fan by its frame; avoid putting pressure on the blades or wires.

3. Package Contents

Verify that all items are present in the package:

- SANYO DENKI SAN ACE 120 Fan (Model 109P1224H1061)

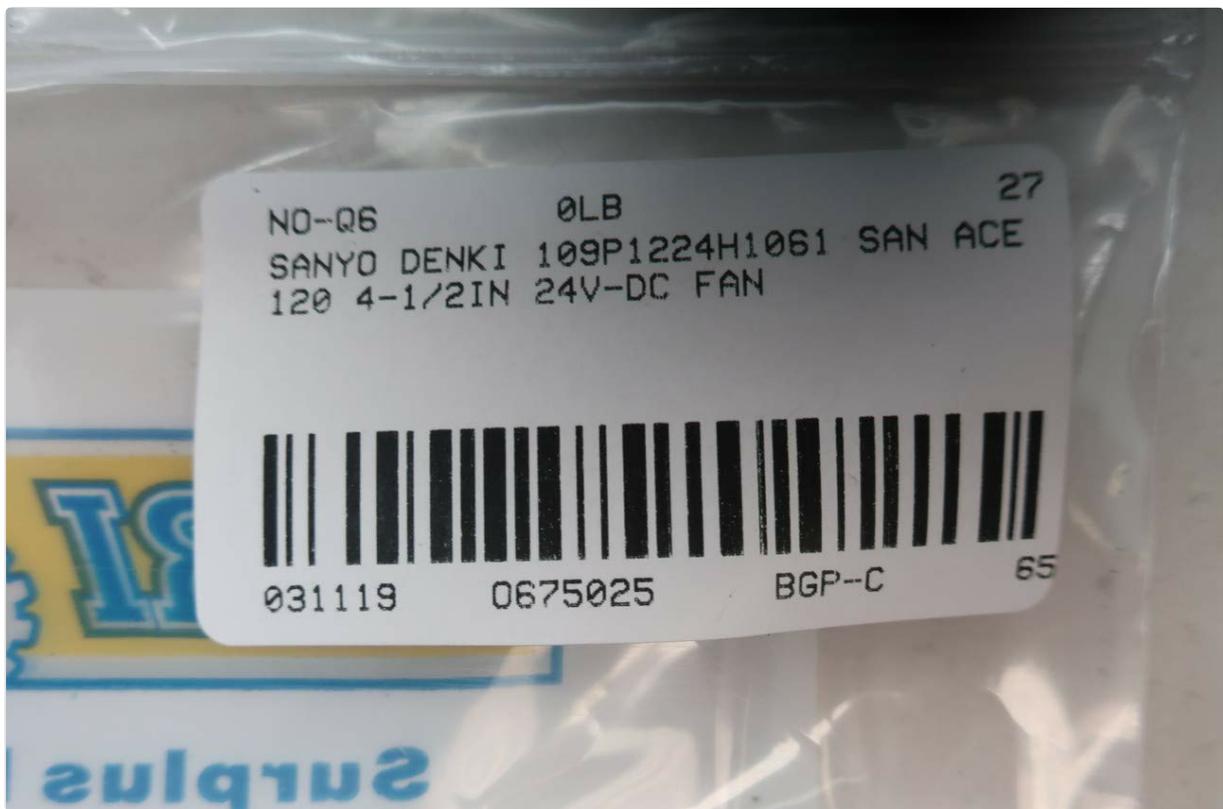


Image: The SANYO DENKI SAN ACE 120 Fan, Model 109P1224H1061, shown in its original packaging with a product label. The label displays the model number and brand information.

4. Setup and Installation

1. **Prepare the Installation Area:** Ensure the mounting location is clean and free of obstructions. Identify the desired airflow direction (intake or exhaust) for optimal cooling.
2. **Mounting the Fan:** Align the fan's mounting holes with the corresponding holes on your system chassis or enclosure. Secure the fan using appropriate screws (not included) through the four corner holes. Do not overtighten.



Image: Front view of the SANYO DENKI SAN ACE 120 Fan, highlighting the fan blades and the four corner mounting holes on the frame. This view helps in understanding the fan's orientation for installation.

3. **Connecting Power:** The fan features a 3-pin or 4-pin power connector. Connect this connector to a compatible fan header on your motherboard or power supply. Ensure the connector is fully seated and correctly oriented to avoid damage.



Image: Side view of the SANYO DENKI SAN ACE 120 Fan, illustrating the fan's profile and the attached power cable with its connector. This shows the typical connection point for power.

4. **Verify Installation:** After installation, double-check all connections and ensure the fan blades are free to rotate without obstruction.

5. Operating Instructions

Once properly installed and connected, the SANYO DENKI SAN ACE 120 Fan will begin operating when power is supplied to the system. The fan is designed for continuous operation to provide consistent airflow for cooling. The direction of airflow is typically indicated by an arrow on the fan frame (if present) or can be determined by observing the rotation of the blades and the direction of air movement.

- Ensure the fan is running smoothly and quietly. Any unusual noises may indicate an issue.
- Monitor system temperatures to confirm effective cooling.

6. Maintenance

Regular maintenance helps ensure optimal performance and extends the lifespan of your fan.

1. **Dust Removal:** Periodically inspect the fan blades and frame for dust accumulation. Dust can impede airflow and reduce cooling efficiency.
 - **Caution:** Disconnect power to the fan and the system before cleaning.
 - Use compressed air or a soft brush to gently remove dust from the blades and frame. Avoid using liquids or harsh chemicals.

2. **Inspection:** Check for any signs of physical damage, loose connections, or unusual wear. If any damage is found, discontinue use and consider replacement.

7. Troubleshooting

Problem	Possible Cause	Solution
Fan not spinning	No power, loose connection, faulty fan.	Ensure power supply is on. Check if the fan's power connector is securely attached to the header. Test the fan with a known working power source if possible. If the fan is faulty, replace it.
Excessive noise or vibration	Loose mounting screws, foreign object obstructing blades, worn bearings.	Tighten mounting screws. Disconnect power and carefully remove any obstructions from the fan blades. If noise persists and is internal, the bearings may be worn; consider replacing the fan.
Insufficient cooling	Obstructed airflow, incorrect fan orientation, dust accumulation.	Ensure intake and exhaust areas are clear. Verify the fan is oriented to push air in the desired direction. Clean dust from the fan blades and surrounding area (refer to Maintenance section).

8. Specifications

The following are the technical specifications for the SANYO DENKI SAN ACE 120 Fan, Model 109P1224H1061:

Model Number	109P1224H1061
Brand	SANYO DENKI
Voltage	24 Volts DC
Power Connector Type	3-Pin or 4-Pin
Cooling Method	Forced Air
Compatible Devices	Desktop
Material	Copper (internal motor components)
Maximum Rotational Speed	1800 RPM
Product Dimensions	5 x 5 x 1.5 inches (approximately 120mm x 120mm x 38mm)
Item Weight	1.55 pounds



Image: A close-up view of the fan's identification label, clearly displaying "SAN ACE 120", "MODEL 109P1224H1061", "DC 24V", and "SANYO DENKI MADE IN JAPAN". This label confirms the model and electrical specifications.

9. Warranty and Support

For warranty information and technical support, please refer to the official SANYO DENKI website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, you may visit the SANYO DENKI official website: www.sanyodenki.com