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> TOPSHAK 200W Random Orbit Sander User Manual

## TOPSHAK TS-SD3

# TOPSHAK 200W Random Orbit Sander User Manual

Model: TS-SD3

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## 1. INTRODUCTION

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Thank you for choosing the TOPSHAK 200W Random Orbit Sander. This powerful and versatile tool is designed for efficient sanding, detailing, and finishing on various materials including wood, metal, and painted surfaces. Please read this manual carefully before operating the sander to ensure safe and effective use. Keep this manual for future reference.



Figure 1.1: TOPSHAK 200W Random Orbit Sander with included sanding papers.

## 2. IMPORTANT SAFETY INSTRUCTIONS

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**WARNING:** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

### 2.1 General Power Tool Safety

- **Work Area Safety:** Keep work area clean and well lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.

Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your TOPSHAK Random Orbit Sander before use.



Figure 3.1: Key components of the sander, including the Power Cord Protector, Soft Rubber Handle, Power Switch, Dust Collecting Box, Air Outlet, and Sanding Pad.

#### 3.1 Key Features

- **200W Powerful Motor:** Delivers a speed of 15,000 RPM for efficient material removal.

- **Mouse Head Design:** Allows for one-hand operation and easy sanding of edges and tight spaces.
- **Hook and Loop Design:** Ensures secure attachment and easy replacement of sanding papers.
- **Excellent Dust Collection System:** Features 6 vacuum holes to quickly absorb wood chips and transport them to the transparent dust box, minimizing dust in the work area.
- **Multiple Heat Dissipation Holes:** Designed to keep the machine cool and prolong its service life.

## 4. SETUP

### 4.1 Attaching Sanding Paper

1. Ensure the sander is unplugged from the power source.
2. Align the holes on the sanding paper with the vacuum holes on the sanding pad.
3. Press the sanding paper firmly onto the hook and loop sanding pad until it is securely attached.



Figure 4.1: The hook and loop design holds sandpaper securely and allows for easy replacement.

### 4.2 Attaching the Dust Collecting Box

1. Ensure the dust collecting box is empty and clean.
2. Slide the dust collecting box onto the designated slot at the rear of the sander until it clicks securely into place.
3. Verify that the box is firmly attached to prevent dust leakage during operation.

# Excellent Dust Collection System

6 vacuum holes absorb wood chips quickly and transport it to the dust box



Figure 4.2: The removable transparent dust box collects wood chips and prevents blockage.

## 5. OPERATING INSTRUCTIONS

### 5.1 General Operation

1. Ensure the correct grit sandpaper is installed for your task (e.g., 80 grits for rust removal, 120 grits for textured surfaces, 180 grits for fine finishing).
2. Plug the sander into a 110V AC power outlet.
3. Hold the sander firmly with one hand using the soft rubber handle.
4. Press the power switch to turn on the sander.
5. Apply light, even pressure and move the sander slowly and consistently across the surface. Avoid pressing too hard, as this can reduce efficiency and damage the surface or sander.
6. For detailed work or edges, utilize the mouse head design for precise control.
7. When finished, turn off the sander using the power switch and unplug it from the power source.

# Mouse Head Design

## One-hand operation

Easily sand the edges of objects, more flexible than a random orbit sander



Figure 5.1: The mouse head design allows for easy one-hand operation and flexible sanding of edges.

### 5.2 Sandpaper Selection Guide

# 200W Powerful Motor

Delivering speed of 15,000rpm with 200W of power for finer material removal

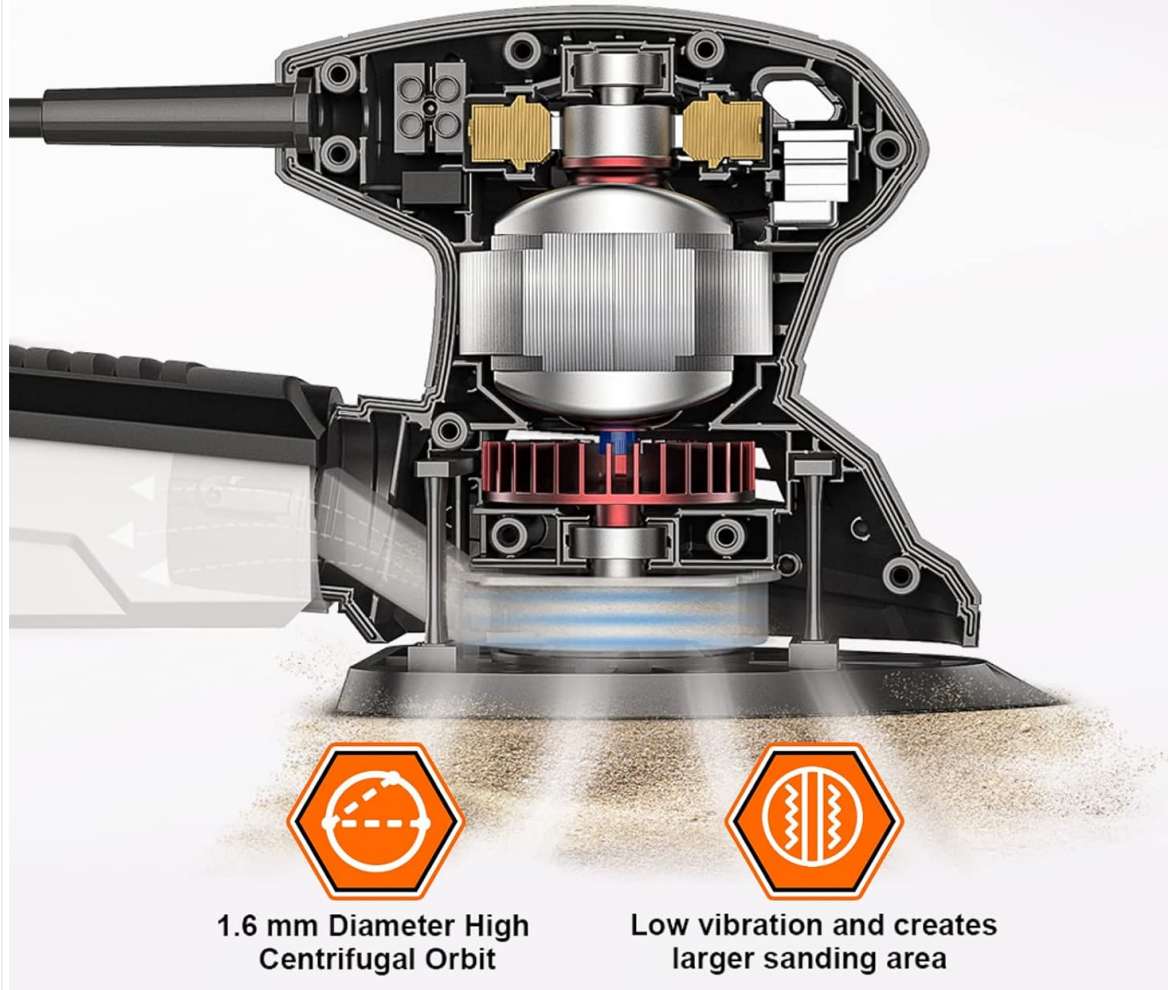


Figure 5.2: The sander comes with 12 pieces of sandpaper in various grits for different applications.

- **80 Grits:** Ideal for metal rust removal or removing paint on wood.
- **120 Grits:** Creates a textured, even surface.
- **180 Grits:** Makes fine surfaces smooth to the touch.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sander.

### 6.1 Cleaning the Dust Box

1. Always unplug the sander before cleaning.
2. Remove the transparent dust collecting box by sliding it off the sander.
3. Empty the collected dust and debris into a waste bin.
4. Clean the inside of the dust box with a brush or compressed air to remove any remaining fine dust.
5. Reattach the dust box securely to the sander.



Figure 6.1: Regularly empty the dust box to maintain efficient dust collection.

### 6.2 General Cleaning

- Wipe down the exterior of the sander with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the air vents and heat dissipation holes are clear of dust and debris to prevent overheating. Use compressed air if necessary.

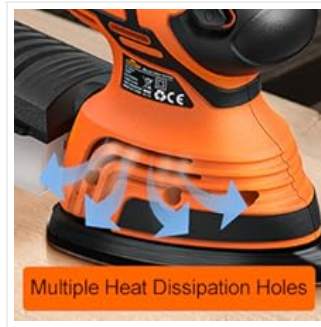


Figure 6.2: Keep heat dissipation holes clear to ensure proper cooling and extend tool life.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not turn on.	No power supply; Power switch is off; Damaged cord.	Check power outlet; Ensure switch is ON; Inspect cord for damage, replace if necessary.
Excessive vibration or noise.	Sanding paper improperly attached; Damaged sanding pad; Internal issue.	Re-attach sandpaper correctly; Replace sanding pad if damaged; Contact customer support for internal issues.
Poor dust collection.	Dust box full; Dust box not properly attached; Clogged vacuum holes.	Empty dust box; Re-attach dust box securely; Clean vacuum holes on sanding pad.
Sander overheats.	Blocked air vents/heat dissipation holes; Prolonged heavy use.	Clean all vents; Allow sander to cool down; Reduce pressure during operation.

## 8. SPECIFICATIONS

Feature	Detail
Brand	TOPSHAK
Model Number	TS-SD3
Output Power	200 Watts
Rated Voltage	110 Volts (AC)
Current	1.7 Amps
No-Load Speed	15000 RPM
Sanding Pad Size	5.5*5.5*3.1 inches (approximate)
Product Weight	3.14 pounds (1.43 kg)
Cord Length	2 Meters
Grit Type	Fine (includes 80, 120, 180 grit papers)
Power Source	Electric

## 9. WARRANTY AND SUPPORT

TOPSHAK products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact TOPSHAK customer service directly. Please have your model number (TS-SD3) and purchase date available when contacting support. For further assistance, visit the official TOPSHAK website or contact your retailer.