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- > [DCK](#) /
- > [DCK Random Orbital Sander \(KSA125\) & Angle Grinder \(KSM09-115S\) User Manual](#)

DCK KSA125, KSM09-115S

DCK Random Orbital Sander (KSA125) & Angle Grinder (KSM09-115S) User Manual

Model: KSA125 (Sander), KSM09-115S (Angle Grinder)

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DCK Random Orbital Sander (KSA125) and DCK Angle Grinder (KSM09-115S). Please read this manual thoroughly before using the tools and keep it for future reference.



Image: The DCK Random Orbital Sander (left) and DCK Angle Grinder (right), along with included accessories like sandpapers and grinding wheels.

GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids,

gases, or dust. Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and dust masks.

- **Electrical Safety:** Ensure the power tool plug matches the outlet. Do not modify the plug. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense. Do not use power tools while tired or under the influence of drugs, alcohol, or medication. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

PACKAGE CONTENTS

DCK Random Orbital Sander (KSA125)

- 1x DCK 125 5-inch Random Orbit Sander
- 10x 5-inch 8-hole Sandpapers (P80*2, P120*2, P180*2, P240*2, P320*2)
- 1x Dust Bag
- 1x Operating Manual



Image: The DCK Random Orbital Sander with its included set of 5-inch 8-hole sandpapers.

DCK Angle Grinder (KSM09-115S)

- 1x Angle Grinder
- 2x Adjustable Wheel Guards
- 2x Grinding Wheels
- 2x Cutting Wheels
- 2x Flap Wheels
- 1x 2-position Auxiliary Handle
- 1x Spanner Wrench
- 2x Carbon Brushes
- 1x User Manual



Image: The DCK Angle Grinder shown with its various accessories, including wheel guards, grinding wheels, cutting wheels, flap wheels, auxiliary handle, spanner wrench, and carbon brushes.

SETUP AND ASSEMBLY

DCK Random Orbital Sander (KSA125)

1. Attaching Sandpaper:

Ensure the sander is unplugged. Align the 5-inch 8-hole sandpaper with the sanding pad. The hook-and-loop design allows for quick and secure attachment. Press firmly to ensure the sandpaper is fully seated.

Easy and Quick Replacement of Sandpaper for Different Needs

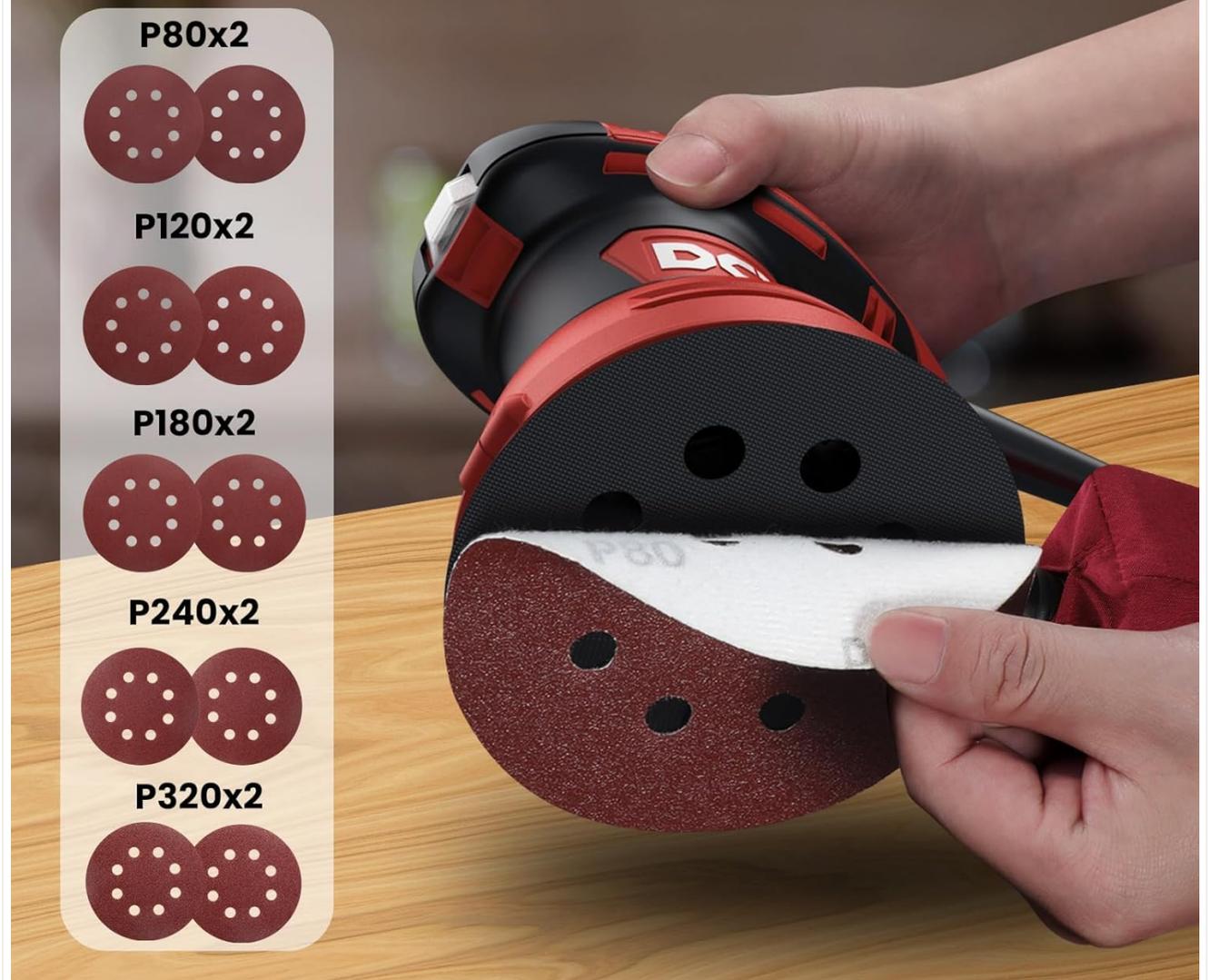


Image: A hand demonstrating the process of attaching a new sandpaper disc to the hook-and-loop sanding pad of the DCK Random Orbital Sander.

2. Attaching Dust Bag:

Connect the dust bag to the dust port located at the rear of the sander. Ensure it is securely attached to prevent detachment during operation and to maximize dust collection efficiency.

Stay Away from Dirty Work Environments



Image: The DCK Random Orbital Sander demonstrating its 8-hole vacuuming system and the attachment of the removable dust bag for efficient dust collection.

DCK Angle Grinder (KSM09-115S)

1. Attaching Auxiliary Handle:

The 2-position auxiliary handle can be screwed into either side of the grinder's gear housing. Choose the position that provides the best control and comfort for your application.

2. Installing Wheel Guard:

Loosen the clamp screw on the wheel guard. Position the guard over the spindle collar, ensuring it covers the wheel adequately for your task. Tighten the clamp screw securely. Adjust the guard's position as needed for optimal protection.

3. Mounting Grinding/Cutting Wheels:

Press and hold the spindle lock button. Place the inner flange onto the spindle. Position the desired grinding, cutting, or flap wheel onto the spindle, ensuring it sits flat against the inner flange. Place the outer flange over the wheel and tighten it with the spanner wrench. Release the spindle lock.

OPERATING INSTRUCTIONS

DCK Random Orbital Sander (KSA125)

1. Power Connection:

Plug the sander into a standard 120V AC power outlet.

2. Speed Control:

The sander features a 6-speed control dial. Rotate the dial to select the desired orbit per minute (OPM) from 4000 to 12000 OPM. Lower speeds are suitable for delicate work or polishing, while higher speeds are for aggressive material removal.



Image: A close-up view of the DCK Random Orbital Sander's 6-speed adjustment dial, indicating flexible operation from 0 to 12,000 OPM.

3. Starting and Stopping:

To start, press the ON/OFF switch. To stop, release or press the switch again. Always hold the sander firmly with both hands during operation.

4. Sanding Technique:

Place the sander flat on the workpiece before turning it on. Apply light, even pressure and move the sander in overlapping passes. Avoid tilting the sander or applying excessive pressure, as this can lead to uneven sanding and damage to the workpiece or tool.

DCK Angle Grinder (KSM09-115S)

1. Power Connection:

Plug the grinder into a standard 120V AC power outlet.

2. Starting and Stopping:

To start the grinder, slide the lockout switch forward and press the trigger. Some models may have a lock-on button for continuous operation. To stop, release the trigger or press the lock-on button again. Always ensure the tool is off before plugging or unplugging.

3. Grinding/Cutting Technique:

Hold the grinder firmly with both hands. Allow the tool to reach full speed before contacting the workpiece. For grinding, use a slight angle and move the wheel smoothly across the surface. For cutting, use the edge of the wheel and make straight, controlled passes. Always direct sparks away from yourself and others.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DCK power tools. Always disconnect the tool from the power source before performing any maintenance.

- **Cleaning:** Regularly clean the tool's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris to prevent overheating.
- **Dust Bag (Sander):** Empty the dust bag frequently to maintain optimal dust collection efficiency. The bag is removable for easy cleaning.
- **Carbon Brushes (Grinder):** Inspect carbon brushes periodically. Replace them when they are worn down to approximately 1/4 inch (6mm) or if the motor sparks excessively. Refer to the grinder's specific user manual for brush replacement procedures.
- **Wheel Inspection (Grinder):** Before each use, inspect grinding and cutting wheels for cracks, chips, or damage. Replace any damaged wheels immediately.
- **Storage:** Store tools in a dry, secure location out of reach of children.

3D

VENTILATION PORTS

HIGH-EFFICIENCY HEAT DISSIPATION

Longer Life - High Efficiency - Easy Cleaning

2 ROWS OF VENTS, LARGE DIAMETER FAN

Robust Cooling, Rapid air movement to carry away heat

VENTILATED REMOVABLE DUST MESH

Dissipates heat and ventilation while preventing dust from entering.



Image: A detailed view of the DCK Angle Grinder highlighting its 3D ventilation ports and ventilated removable dust mesh, designed for high-efficiency heat dissipation and longer tool life.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Faulty switch; Worn carbon brushes (Grinder).	Check power outlet and cord. Ensure switch is fully engaged. Replace carbon brushes if worn.
Sander vibrates excessively.	Improperly attached sandpaper; Damaged sanding pad.	Re-attach sandpaper correctly. Inspect and replace sanding pad if damaged.
Grinder sparks excessively.	Worn carbon brushes; Motor overload.	Replace carbon brushes. Reduce pressure on the tool.

Problem	Possible Cause	Solution
Poor dust collection (Sander).	Full dust bag; Clogged dust port.	Empty dust bag. Clear any blockages from the dust port.

SPECIFICATIONS

DCK Random Orbital Sander (KSA125)

- **Rated Input Power:** 300W (3.0 AMP)
- **Rated Speed:** 4000-12000 OPM (Orbits Per Minute)
- **Sanding Pad Diameter:** 5 inches
- **Machine Net Weight:** 3 lbs
- **Voltage:** 120V AC
- **Power Source:** Corded Electric

Powerful, Durable and Efficient

3A copper wire motor delivers up to 12,000 OPM



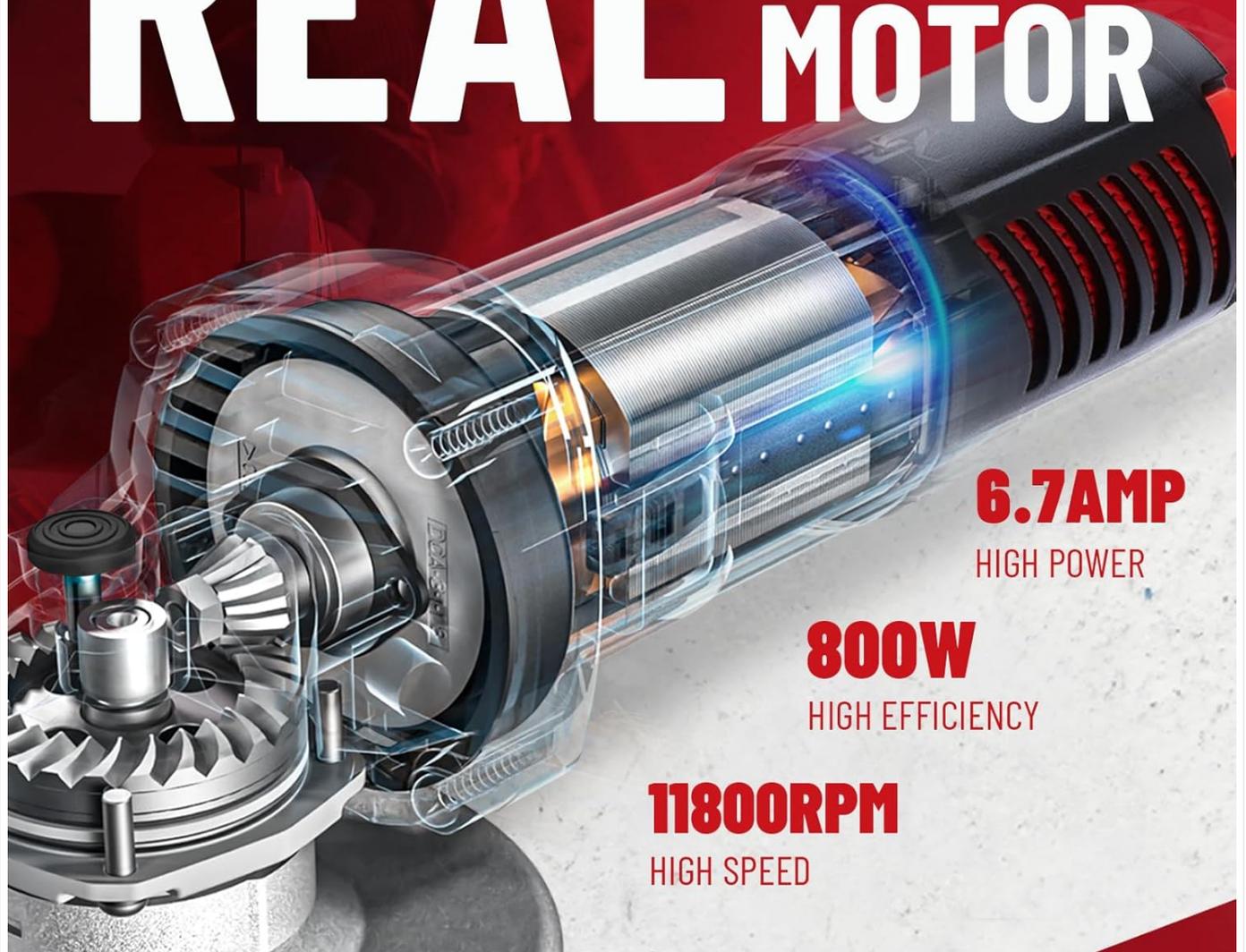
Image: An X-ray view illustrating the powerful 3A copper wire motor of the DCK Random Orbital Sander, capable of delivering up to 12,000 OPM.

DCK Angle Grinder (KSM09-115S)

- **Amperage:** 6.7 Amps
- **No-Load RPM:** Up to 11,800 RPM
- **Spindle Thread:** 5/8"-11UNC
- **Wheel Diameter:** 4-1/2 inches
- **Weight:** 4.4 lbs
- **Voltage:** 120V AC
- **Power Source:** Corded Electric

TASTE THE POWER OF

REAL COPPER MOTOR



6.7AMP

HIGH POWER

800W

HIGH EFFICIENCY

11800RPM

HIGH SPEED

Image: A cutaway view showcasing the powerful copper motor of the DCK Angle Grinder, highlighting its 6.7 Amp, 800W, and 11,800 RPM capabilities.

WARRANTY AND SUPPORT

The DCK Random Orbital Sander (KSA125) comes with a **1-year limited warranty**. For warranty claims, technical support, or service inquiries, please contact DCK customer service. Keep your purchase receipt as proof of purchase. For the most up-to-date contact information and support resources, please visit the official DCK website or refer to the contact details provided with your product packaging.