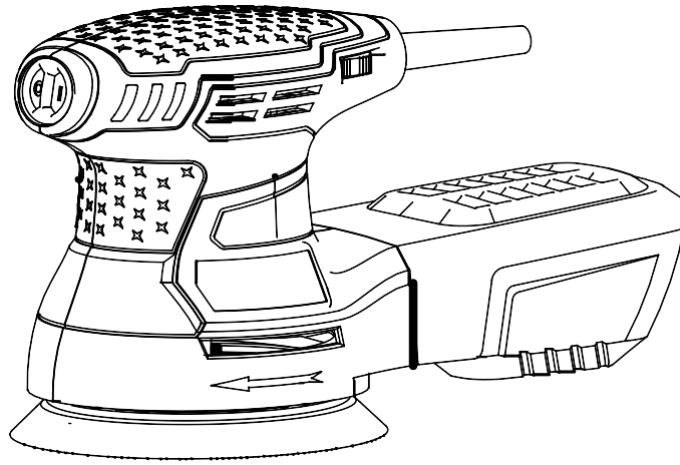
Manual

SANDER

KPSA0311



WARNING:

Please read carefully and understand all instructions before using the tool

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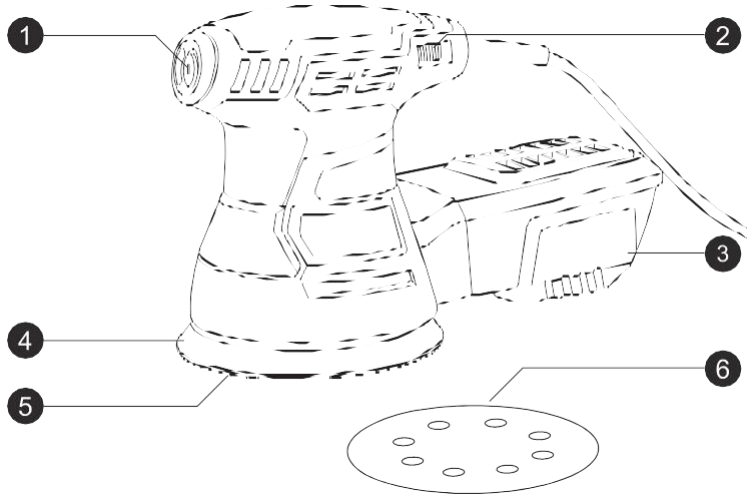


1. Overview

Tool description

1. 0 / 1 (ON / OFF) switch
2. Speed adjustment wheel
3. Dust canister
4. Velcro locking system
5. Round velcro sanding base
6. Sanding disc

2. General safety regulations

⚠ WARNING:
Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventative safety measures reduce the risk of starting the tool accidentaly.

⚠ WARNING:
Read carefully and understand all instructions before using the tool.
When using power tools, the following instructions must be followed to prevent hazards such as*electric shock, fire* and/or serious injury .

Work area safety

- Keep work area clean and well lit. Cluttered benches and 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 the risk of electric shock.

- Avoid body contact with earthed or ground - ed surfaces wuch 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 enetring 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.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord for outdoor use reduces 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 distraction while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool ON. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

Power 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 for the purpose 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 before making any adjustments, changing accessories or storing power tools. Such preventative 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 unfamil - iar 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, check for misalign - ment or binding of moving parts, breakage of parts and any other condition that may affect the power tools' operation. If dam- aged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep power tools clean and in good condi - tion. Properly maintained power tools are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instruc - tions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

Service

- Have your power tool serviced by a quali - fied repair person using only genuine

replacement parts. This will ensure that the safety of the power tool is maintained.

- Follow instruction for lubricating and changing accessories.
- Keep handles dry, clean and free from oil and grease.

3. Specific safety regulations

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to electric power tools' safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. Wear ear protectors. Exposure to noise can cause hearing loss.
2. Use auxiliary handles supplied with the tool. Loss of control can cause personal injury.
3. Hold power tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
4. Wear a hard hat (safety helmet), safety glasses and/or face shield. Ordinary eye or sun glasses are NOT safety glasses. It is also highly recommended that you wear a dust mask and thickly padded gloves .
5. Be sure the bit is secured in place before operation.
6. Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.
7. In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load.
8. This will loosen up the lubrication. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
9. Hold the tool firmly with both hands.
10. Keep hands away from moving parts.
11. Do not leave the tool running. Operate the tool only when hand-held.
12. Do not point the tool at any one in the area when operating. Parts could fly out and injure somenone seriously.
13. Do not touch parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.
14. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

Additional safety regulations for sanders

- When you can, use a vacuum cleaner to collect dust. Remove dust and other wastes without polluting the environment.
- Be very careful when sanding lead-based paints.
- All those entering the workplace must wear a mask specially designed to protect them from dust and fumes from lead paints.
- Children and pregnant women should not enter the workplace .
- You should not eat, drink or smoke at the workplace.
- Take appropriate measures to protect your hearing.
- Never use the machine to sand magnesium surfaces.
- If your tool is equipped with a dust bag, empty it frequently and after completion of sanding. Be extremely careful of dust disposal, materials in fine particle form may be explosive. Do not throw sanding dust on an open fire. Spontaneous combustion, may in time, result from mixture of oil or water with dust particles.
- Do not use sanding paper intended for larger backing pads. Larger sanding paper will extend beyond the backing pad causing snagging, tearing of the paper or kick-back. Extra paper extending beyond the backing pad can also cause serious lacerations.
- Clamp or secure workpiece when sanding.
- Clamping the workpiece prevents it from being ejected from under the sander and leaves both hands to control the tool.
- Avoid damage that can be caused by screws, nails and other elements in your workpiece;

remove them before you start working.

- Always keep the cord away from moving parts of the tool; direct the cord to the rear away from the tool.
- This tool is not suitable for wet sanding.
- Do not work materials containing asbestos (asbestos is considered carcinogenic).
- When sanding metal, sparks are generated; do not use dust bag and keep other persons and combustible material from work area.
- Do not touch the moving sanding paper.
- Do not continue to use worn, torn or heavily clogged sanding papers.

SAVE THESE INSTRUCTIONS

⚠ WARNING:
Misuse or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

4. Functional description and specifications

Intended use

The palm sander is intended for sanding various surfaces and material.

⚠ WARNING:
If the replacement of the supply cord is necessary, it has to be done by a professional to avoid a safety hazard.

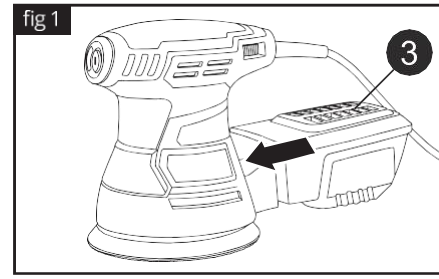
Power supply	230V~50Hz
Power input	350W
No load speed	3000-13000/min
Backing pad size	125mm
Weight	1.56kgs

Installing and removing the dust canister

⚠ WARNING:
Before plugging in the tool, always make sure the switch trigger actuates properly and returns to the OFF position.

The dust canister 3 allows the dust collection from the workplace. Place the canister on the dust exit nozzle using steady force until it locks in place (fig 1). To remove the dust canister, follow the procedure in reversed order.

fig 1



ⓘ NOTE:
For maximum efficiency, the dust canister should be emptied frequently during operation.

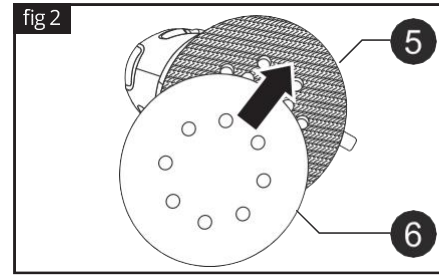
ⓘ NOTE:
The collection of the dust will only work if the sandpaper has holes that line up with the 8 dust collection holes in the Backing Pad.

Installing and removing sanding paper

Line up and then firmly press the round sanding disc 6 onto the round velcro sanding base 5 (fig 2). To remove the sanding disc, just peel the disc away from the sanding base.

⚠ WARNING:
Push firmly the sanding disc onto the sanding base so it can be evenly positioned, with the velcro locking system.

fig 2



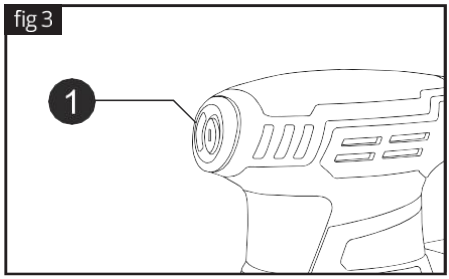
ⓘ NOTE:
A bad placement of the sanding base that is not properly aligned will reduce sanding performance.

Using the tool

Switching ON and OFF

To turn on the machine press the 0 / 1 (ON / OFF) switch **1** so it reaches position 1 (fig 3). To turn the machine off, press the 0 / 1 switch so it reaches position 0.

fig 3



Cleaning the dust canister

Remove the dust canister **3** by pulling it from the dust outlet nozzle. Carefully shake the dust bag assembly with the end cap opening pointing downward to remove the sanding dust.

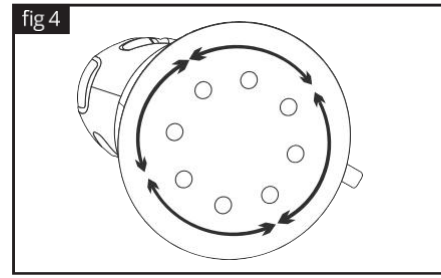
Sanding operation

Clamp or otherwise secure your workpiece to prevent it from moving under the sander while being sanded. Secure the workpiece in a vice if possible.

Place the sander on the workpiece so the complete sanding disc surface is in contact with the workpiece. Turn the sander ON by pressing on the left hand side of the ON/OFF switch. Move the sander slowly over the workpiece making successive passes in parallel lines, circles or crosswise movements. Because the random orbital motion of the sanding disc moves in tiny circles, it is not necessary to move the sander with the grain or in the same direction for successive passes (fig 4).

Upon completion of the sanding operation, turn sander off by setting the switch to position 0 (OFF). Wait until the sanding disc comes to a complete stop before removing it from the workpiece.

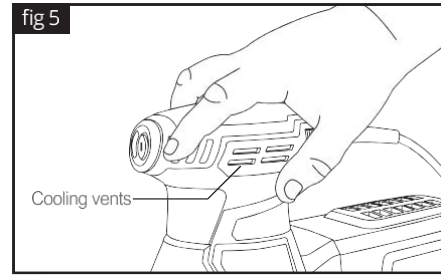
fig 4



⚠ WARNING:
Your sander should only be turned ON when the entire surface of the sanding disc is in contact with the workpiece. Failure to follow this sanding procedure could result in a loose sanding disc, which could result in possible injury.

Hold the sander with one hand on the hand grip on top of the sander (fig 5). Be careful NOT to cover the cooling vents with your hand. Covering the cooling vents could cause the motor to be damaged by overheating.

fig 5



5. Maintenance

For safe and proper working, always keep the tool and ventilation slots clean.

The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.

Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

The brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor,

we recommend every two to six months the brushes be examined.

Store the tool, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Wear ear defenders

Wear safety goggles

Wear a dust mask

6. Warranty

This tool has been checked by the manufacturer. From the date of purchase by the final consumer, a two year warranty for amateur use covers any faulty material and manufacturing. The receipt or invoice of purchase needs to be displayed in case of a repair that is covered by the warranty. For possible faults during the warranty period, you should address your issue to the retail shop from which the purchase was made.

Terms of warranty

The warranty is valid only when:

- The tool has been used properly and for the purpose for which it was purchased.
- The tool presents a problem that is due to faulty material and manufacturing.
- Incapability of the tool to perform according to the technical specs provided.

Damages are not covered by the warranty that are due to causes such as:

- Wear due to improper use.
- Partial or total disassembly.The tool's shell must be disassembled only by personnel authorised by the official distributor.
- Damage due to overloading.
- Usage of incorrect or incompatible accessory.
- Bad maintenance from the operator or any other third party.
- Wear that was induced by external factors or rogue particles (dust, debris etc.)
- Wear due to non compliance with the instructions in this manual.

If, during the warranty period, there is a fault that can not be repaired from the authorised service department, the tool will be replaced without any extra cost.

7. Repair / Servicing

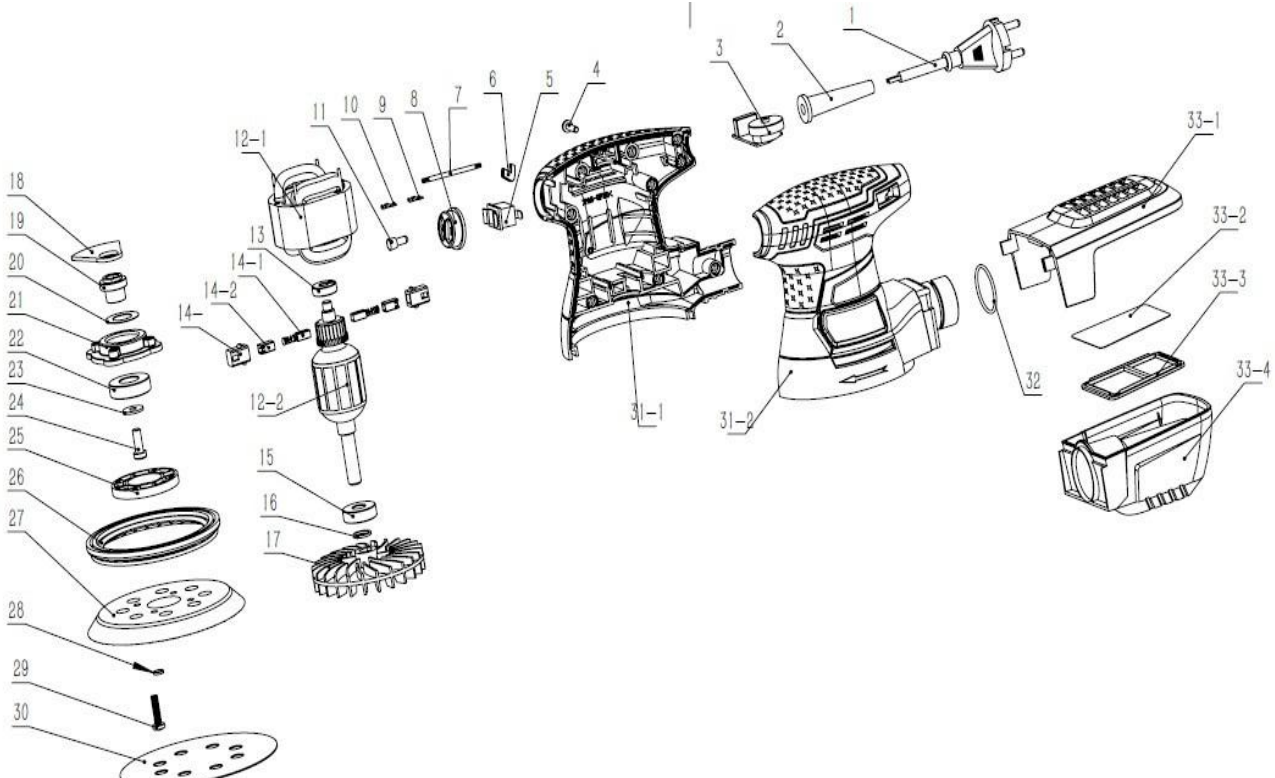
In case there is a need for a repair after the warranty period has expired, we will provide the best possible attention to repair the tool successfully.

8. Disposal

Do not dispose of electrical machines as unsorted municipal waste, use separate collection facilities.

Contact your local government collection systems for information regarding the collection systems available.

If electrical machines are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old machines, the retailer will be happy to take back your old machine for disposal.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1.Cable plug
2.Cord guard
3.Speed adjustment wheel
4.Screw
5.Switch
6.Strain relief
7.Connecting line
8.Sleeve of switch
9.T type piece
10.L type piece
11.Clamping plate
12-1.Stator
12-2.Rotor
13.Bearing 607
14-1.Carbon brush
14-2.Copper sleeve
14-3.Brush holder
15.Bearing 6000
16.Spring washer
17.Fan
18.Balance fan
19.Sleeve of shaft
20.Spring washer
21.Bearing seat
22.Bearing 6002
23.Spring washer
24.Screw
25.Clamping plate of bearing
26.Suction hood
27.Sole plate ass'y
28.Spring washer
29.Screw
30.Sander paper
31-1.Left housing
31-2.Right housing
33.O-ring
34-1.Cover of dust case
34-2.Filter paper
34-3.Filter paper clamp
34-4.Base of the dust case