

## SPECIFICATIONS

Model	<b>EX 125E</b>
Power input	300 W
No load speed	4000 - 11000 min <sup>-1</sup>
Eccentricity	2,5 mm
Grinding disk dia.	125 mm
Weight	1,9 kg
Safety class (EN 50144) 	II

This model SPARKY power tool is supplied from single-phase alternating current mains. It is completely protectively insulated according to EN 50144, IEC 60745 and can be connected to grounded or not grounded sockets. This power tool is radio suppressed in compliance with EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3 for radio interference.

## DESIGNATION

This power tool is designed for sanding and polishing flat and convex metal, plastics and wood surfaces. The speed can be adjusted smoothly in a wide range to achieve optimum operation mode for different materials.

## MAIN COMPONENTS

1. ON/OFF switch
2. Electronic regulator of rotation speed
3. Lock-on button
4. Auxiliary handle
5. Rubber seal
6. Grinding disk
7. Abrasive sheet (sand paper)
8. Dust deflection nozzle
9. Dust collector clamp
10. Dust collector bag

## ACCESSORIES TO BE USED WITH THIS POWER TOOL

Sandpaper Ø125 mm



**FOR YOUR SAFETY  
READ BEFORE USE!**



### Attention, dangerous operation!

Operating with unsecured workpiece or touching the moving parts of the random orbit sander could cause severe physical injuries, and noise loading could damage the operator's hearing, if the belowmentioned instructions and those in the enclosed Safety Instructions are not observed.



### Safety operation instructions and precautions

Before starting to operate the random orbit sander, always check the following:

- Make sure the power supply voltage corresponds to the value indicated on the name plate with the technical data of the tool.
- Always check the position of ON/OFF switch. The random orbit sander must be connected to the power supply socket only when this switch is in OFF position.
- Make sure the cord and the plug are in order. In case the supply cord is damaged, it must be replaced with a special cord or assembly, available from the manufacturer or its service agent, in order to avoid hazard due to the replacement.



**DURING CARRYING OUT ANY WORK,**

**PLEASE DO OBSERVE THE FOLLOWING  
SAFETY REQUIREMENTS:**

- Use the random orbit sander for dry grinding only.
- Use only hook & loop sandpaper.



Always wear protective glasses.



Wear ear protectors!

- Use of protective gloves is recommended.
- Never operate the random orbit sander under load and leave it down after final arrest.
- Always keep the cord away from the working area of the random orbit sander.
- Unplug the machine prior to any adjustment, repair or maintenance or in case of mains drop out.
- SPARKY power tools must not be used outdoors in rainy weather, or in moist environment (after rain) or in close vicinity with easily flammable liquids and gases. The working place should be well lit.
- The dust separated while processing materials containing quartz (silicon dioxide) is dangerous to your health. Do not process materials containing asbestos.
- Noise and vibration values  
The values typical for the device measured according to EN 50144 are:
 

Sound pressure level	- 85 dB (A)
Sound power level	- 98 dB (A)
Weighted acceleration	- 9,5 m/s <sup>2</sup>

## OPERATING DIRECTIONS

### Switching on - switching off

- Brief activation

Switching on: press ON/OFF switch 1 and hold it.

Switching off: release ON/OFF switch 1.

- Continuous use

Switching on: press ON/OFF switch 1 and in pressed position lock it by button 3.

Switching off: press ON/OFF switch 1 once and release it immediately.

### Mounting the sandpaper

Use only hook & loop sandpaper. Withdraw the plug from the power supply socket. Clean up the grinding disk 6. Press sandpaper 7 to disk 6. Disk and sheet apertures must coincide.

### Dismounting the disk

Withdraw the plug from the power supply socket. Dismount sandpaper from the disk. Holding the disk, unscrew the three screws M5 and dismount the disk. Mounting the disk can be performed in inverse order.

### Auxiliary handle

It ensures convenient guiding the tool and can be easily mounted.

### Grinding

Place the random orbit sander flat on the machined piece. Efficiency and quality of work depends on the applied pressure, sandpaper granularity and rotation speed. Rotation speed adjustment can be varied smoothly, through rotating the dial of the electronic regulator 2 built in the switch 1.

### Rough grinding

Thicker layer will be removed when using sandpaper with coarse grains and applying less pressure.

### Fine grinding

For this purpose fine sandpaper is used. When pressure is increased the grinding disk runs slowly, preserving its eccentric movement, and high quality of the surface is achieved.

Application:

Material	Granularity		Grinding disk speed
	Coarse grinding	Fine grinding	
<b>Varnish coatings</b>			
Grinding	180	400	Low
Removing scratches and spots	120	240	Low / Mean
Removing varnish coating	40	80	High
<b>Wood</b>			
Softwood	60	240	Mean
Rigid wood	60	180	High
Veneer	240	320	Mean
<b>Metals</b>			
Aluminium	80	240	Low / Mean
Steel	60	240	Mean
Rust removing	40	120	High
Stainless steel	120	240	Mean

Values are recommendable. Optimum granularity and disk speed will be determined through experience.

#### **Automatic brake system (ABS)**

The random orbit sander can be removed from the surface of material without damage due to instantaneous ceasing of disk rotation upon switching it off.

#### **Dust suction**

Efficiency and durability of sandpaper are much improved by dust suction through the apertures in the disk and sandpaper. Dust collector bag 10 must be emptied regularly, loosening clamp 9.

#### **Vacuum adapter**

The adapter ensures coupling to a vacuum cleaner in case of increased dust generation. Dismount the collector bag and fasten the tool to a vacuum cleaner with Ø30 hose.

#### **Maintenance and repair**

This model SPARKY power tool does not require any special maintenance. Ventilation slots on the motor casing should be cleaned out periodically. Any work on the machine, save sandpaper replacement, disk and dust bag dismounting, must be accomplished by authorised persons in authorised service centres for warranty and postwarranty servicing of SPARKY power tools.

**Warranty**

The guarantee period for SPARKY power tools is determined in the guarantee card.

Faults due to normal wear, overloading or improper handling will be excluded from the guarantee.

Faults due to defective materials implemented as well as defects in workmanship will be corrected free of charge through replacement or repair.

The complaints for defective SPARKY power tools will be recognised if the machine is sent back to the dealer or is presented to the authorised warranty service centre undismantled, in its initial condition.

**Environmental Protection**

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

These instructions are printed on recycled paper manufactured without chlorine.

The plastic components are labelled for categorised recycling.