



SPECIFICATIONS

Model	
Power input	
No load speed	
Orbits	
Eccentricity (orbit dia.)	
Pad size	
Sandpaper size (punched)	
Weight	
Safety class (EN 50144)	

**MP 300E**

300 W
4000-11000 min ⁻¹
8000-22000 min ⁻¹
1.25 mm
114x225 mm
115x280 mm
2.5 kg
II

This model SPARKY power tools is supplied from single-phase alternating current mains. It is double insulated according to EN 50144 and 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 metal, wood and plastics 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. Lock-on button
3. Electronic regulator of speed
4. Sanding pad
5. Sandpaper
6. Dust collector bag
7. Dust collector clamp
8. Clamp

**FOR YOUR SAFETY
READ BEFORE USE!****Attention, dangerous operation!**

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

**Safety operation instructions and precautions**

Before starting to operate the grinder, always check the following:

- Make sure power supply voltage corresponds to the value indicated on the name plate with technical data of the tool.;
- Always check the position of ON/OFF switch. The power tool 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:**



Never operate the machine without goggles!



Wear ear protectors!

- Use the orbital sander for dry sanding only.
 - Use punched abrasive sheets with the proper size.
 - Never operate the orbital sander under load and leave it down after final arrest.
 - Always keep the cord away from the working area of the sanding pad.
 - Unplug the machine prior to any adjustment, repair, maintenance or in case of mains drop out.
 - Do not overload the tool.
 - 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 area 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	- 84 dB (A)
Sound power level	- 97 dB (A)
Weighted acceleration	- 12,5 m/s ²

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 2.

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

Mounting the sandpaper

Withdraw the plug from the mains socket. Clean sanding pad 4. When mounting or replacing the sandpaper, open clamps 7.

Place the end of the sheet under the opened clamp 7 and tighten it. Stretch properly sandpaper sheet 5 on the sanding pad, then tighten the other end of the sheet with the second clamp.

For efficient dust suction, pad and sheet apertures must coincide.

Sanding

Place the orbital sander flat on the machined piece. Efficiency and quality of work depends on the applied pressure, sandpaper grit and speed (refer to the table).

Move the machine in successive passes length- and crosswise. Do not press the tool hard against the machined surface. With increasing pressure, efficiency does not increase, but drops. Occasionally toss the abrasive sheet to clean it from accumulated dust and prevent clogging.

Sanding wood and metal with the same abrasive sheet is not allowed.

Speed adjustment

The desired speed can be preselected, through rotating the dial of the electronic regulator 3 built in the switch 1.

Stepless electronic OPM control

Light pressure on ON/OFF trigger switch 1 results in low speed, further pressing the switch results in a stepless increase of the OPM to maximum when reaching the extreme position.

Material	Grit	Speed
Varnish coatings		
Sanding	180	Low
Removing scratches and spots	120	Low/Mean
Removing varnish coating	40	High
Wood		
Softwood	60	Mean
Rigid wood	60	High
Veneer	240	Mean
Metals		
Aluminium	80	Low/Mean
Steel	60	Mean
Rust removing	40	High
Stainless steel	120	Mean

Values are recommendable. Optimum grit and pad speed will be determined through experience.

Dust suction

Efficiency of sanding and durability of sandpaper are much improved by dust suction through the apertures in the pad and sandpaper. Dust collector bag 6 must be emptied regularly.

External dust extraction system

An ability is provided for coupling the machine to a vacuum cleaner. At increased dust output it is recommended to dismount dust collector 6 and connect the machine to a vacuum cleaner.

Maintenance and repair

Always withdraw the plug from the power supply socket before carrying out any work on the machine.

These models SPARKY power tools do not require any special maintenance. Ventilation slots on the motor casing should be cleaned periodically. Any work on the machine, save sandpaper changes and dust bag dismounting, must be accomplished by authorised persons in authorised service centres for warranty and post-warranty 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 are to 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.