WH63000

Electric Random Orbital Sander

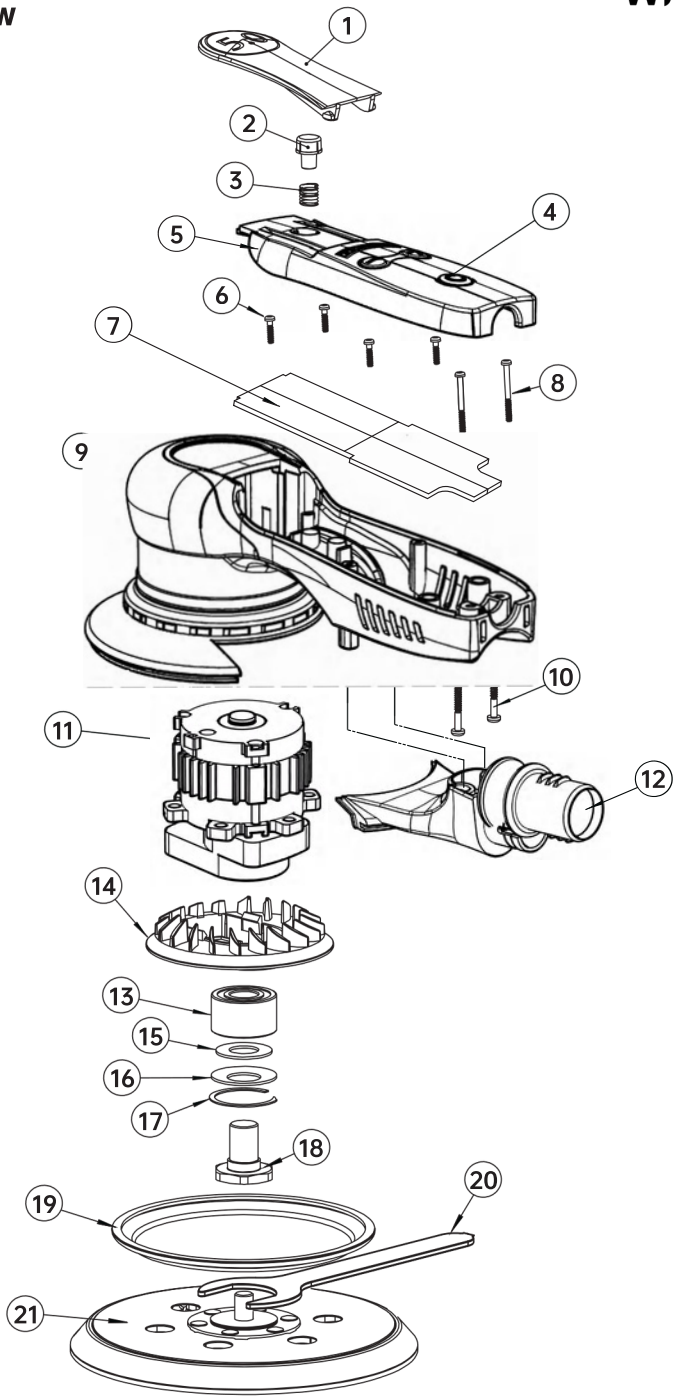
Safety Instructions

Electric Random Orbital Sander

- New brushless motor cooling technology
- Smart LED work light reminder function
- 7 Level preset speed controls
- Ergonomic design one handed operation
- Accurate grade speed control display function

Whizz
+31 (0)33 - 455 87 88
info@whizz.eu
www.whizz.eu

EXPLODED VIEW



WH63000

SAFETY & OPERATING INSTRUCTION MANUAL

ELECTRIC SANDER MACHINE

The values shown are based on a nominal voltage of 110V-240V – 50/60 Hz . In the case of voltages and frequencies of different power, values may vary. Refer to the label technical specifications to the nominal values of the tool.

⚠ GENERAL WARNING

- Read carefully and understand these instructions before use .Please retain operation instructions carefully after read it.

⚠ WARNING

- Always wear required personal safety protection in accordance with manufactures instructions and local/national standards while using this tools.
- Do not use a power tool if you are tired or under the influence of drugs, alcohol or medication.
- Read the Material Safety Data Sheet(MSDS) for the work surface.
- Use the tool with dust extraction.A suitable dust extraction unit will reduce hazardous dust.
- Do not overreach.The operation must always stand in a secure position with a firm grip and firm footing on a solid floor.
- Do not wear loose clothing or jewellery.Keep hair,clothing and gloves away from moving parts.Loose clothesjewellery or long hair can get caught in moving parts.
- If any physical hand /wrist discomfort is experienced,stop working and seek medical atten tion.Hand, wrist and arm injury may result from repetitive work,motion and overexposure to vibrations.
- Do not operate power tools in explosive atmospheres,such as in the presence of flammable liq uids,gases or dust.Power tools create sparks which mayignite the dust or fumes.

⚠ CAUTION

- Remove Backing plate wrench before connecting the tool to the power source.
- Keep work area clean and well lit.
- Always ensure that the work piece to the sanded is firmly fixed in place.
- Before changing the abrasive always disconnect the power source.Make sure the abrasive is per fectly centred and firmly attached to the backing pad.
- Keep children and bystanders away while operation a power tool.Distractions can cause you to lose control of the tool.
- Always pay attention to work safety.Never carry,store or leave the tool unattended with the power source connected.
- Keep hands clear of the spinning pad during use.
- Do not allow the tool to free speed without taking precautions to protect surrounding people and objects in the event that the abrasive or backing pad should come loose.

PARTS LIST

Item	Description	WH63000
WH63101	Filexible level 5. 0mm(3/16")	
WH63102	Start button	
WH63103	Start button spring	
WH63104	Power button	
WH63105	Cover plate	
WH63106	PCB screw	
WH63107	Speed controller	
WH63108	Cable screws	
WH63109	Housing	
WH63110	Housing Screw	
WH63111	Motor assembly, orbit 5.0mm(3/16")	
WH63112	Swivel exhaust assembly	
WH63113	Motor assembly, orbit 5. Omni(3/16")	
WH63114	Fan, orbit 5. 0 mm(3/16")	
WH63115	Washer	
WH63116	Retaining ring	
WH63117	Bearing with Dust Seal	
WH63118	Spindle	
WH63119	Brake seal	
WH63120	Pad wrench	
WH63121	Backing Pad 125 mm(5")	
WH63122	Backing Pad 150 mm(6")	

REQUIRED PERSONAL SAFETY EQUIPMENT


Read operators manual


Wear safety glasses


Wear safety glove


Wear face mask


Wear ear protection

TECHNICAL DATA

WH63000
Voltage Mains Supply V 110-240 Mains Frequency Hz 50/60 Input power W 350
No Load Speed R.P.M 4000-10000
Orbital mm 5 Backing Plate Pad inch Ø 5" (125mm) & Ø 6" (150mm)
Speed Control level 7
N.Weight kgs 1.05

NOISE AND VIBRATION INFORMATION

Measured values are determined according to EN 60745.

DMO® WH63000
Sound pressure level (LpA) dB(A) 60
Sound power level (LWA) dB(A) 75
Sound measurement uncertainty K dB 3.0
Vibration emission value ah* m/s² 3.3
Vibration emission uncertainty K* m/s² 1.5

Specifications subject to change without prior notice. * The values stated in the table are

derived from laboratory testing in conformity
with stated codes and standards, and are not sufficient for risk evaluation. Values measured in a particular work place may be higher than thedeclared values. The actual exposure values and amount of risk or harm experienced by an individual are unique to each situation and depend upon the surrounding environment, the way in which the individual works, the particular material being worked, work station design and the user's exposure time and physical condition. DMOTOOL Ltd accepts no responsibility for the consequences of using declared values instead of actual exposure values for any individual risk assessment.

Further occupational health and safety information can be obtained from the following websites: https://osha.europa.eu/en (Europe) or http://www.osha.gov (USA)

PROPER USE OF TOOL

This sander is designed for sanding all types of materials,i.e.metals,wood, stone, plastics, etc. using abrasives designed for this purpose. Do not use this sander for any other purpose than that specified without consoling the manufacturer or the manufacturer' s authorized supplier.Do not use backing pad that have a working speed of less than 10,000 rpm speed. Only use original backing pads that are designed for optimal performance and withl the brake seal.The cooling air vents on the housing must be kept clean and free of blockage to ensure air circulation.

HOW TO STARTED UP

- When unpacking the tool ,make sure it is intact , complete and has not been damaged in transport. Never use a damaged tool.

- Before use check that the backing pad is correctly attached and tightened.Connect the power cord to a grounded outlet(110-120V/220-240V,50/60Hz). - see figure 1

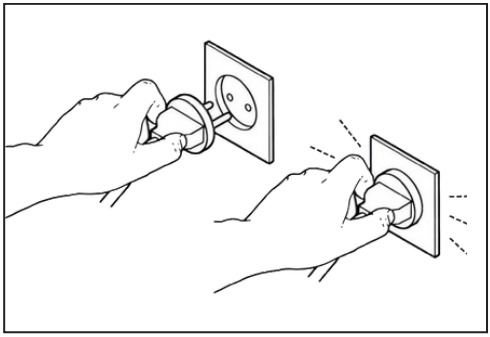


figure 1

OPERATING INSTRUCTIONS

- The tool is intended to be operated as a hand held tool.The tool can be used in any position.
- Make sure the sander is switched off.Select a suitable abrasive and secure it to the backing pad. Make sure the abrasive is centred on the backing pad
- After connecting the power, the Red light of the ON/OFF key lights up, indicating that the sander has been powered on. - see figure 2
- Switch on sander by pressing the ON/OFF key .The sander LED is now Green when it is on. indicating the sander to enter the working state. - see figure 3
- The sander can now be started by pressing the lever.

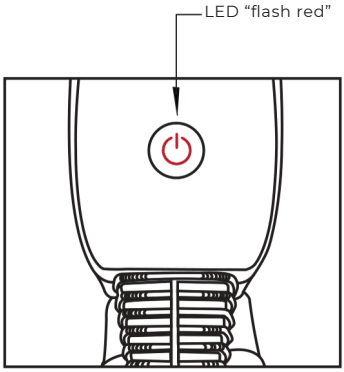


figure 2

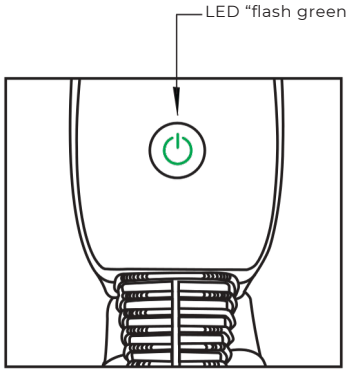


figure 3

- The Electric Random Orbital Sander has seven preset Maximum Speeds (4,000, 5000, 6000, 7,000, 8000, 9,000 and 10,000/min RPM).
- Maximum Speed is adjusted by pressing the "+" or "-" buttons on the buttrons plate of the Sander. Each touch will raise. - see figure 5

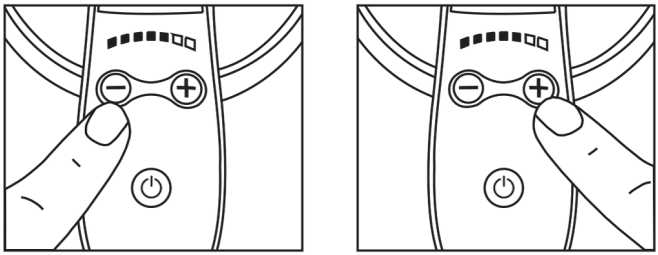


figure 5

- Intermediate speeds between Zero (0)/min (RPM) and the set Maximum Speed can be used with intermediate Lever positions. - see figure 6

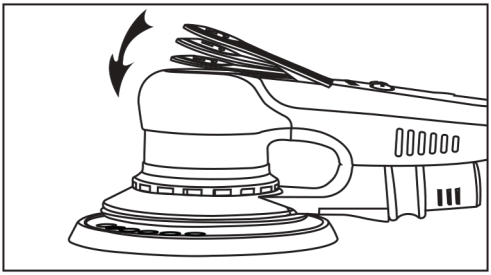


figure 6

- When sanding, always place the tool on the work surface before starting the tool.Always remove the tool from the work surface before stopping it. This will prevent gouging of the work surface due to excess speed of the abrasive.
- When sanding is finished,turn off the sander by pressing the ON/OFF key. Disconnect the power,The sander is now turned off.

MAINTENANCE

- All maintenance operations are carried out with the power supply disconnected.
- At the end of each work session, or when required, remove any dust from the body, No other maintenance operations must be undertaken by the user.
- Always disconnected the power before maintenance! Only use original spare parts!
- Maintenance and cleaning of the inner parts, like brushes, ball bearings, gears etc. or others, must be carried out only by an authorised customer service workshop or Dealer.

INSTALL THE BACKING PAD - see figure 7

1. Secure the Spindle with the flat wrench provided with the tool, and screw the Disc pad on. Tighten to firm hand-tightness. Do not over tighten.
2. To remove the Disc Pad, insert the flat wrench between the Disc Pad and shroud. Secure the Spindle with the flat wrench and unscrew the backing pad

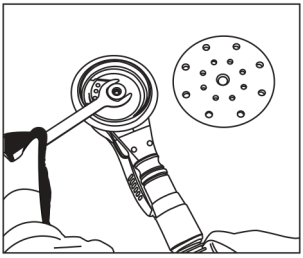
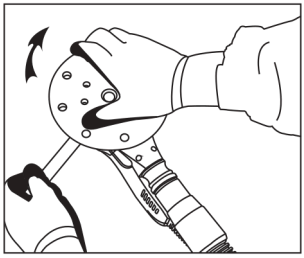



figure 7

REPLACING THE BACKING PAD- see figure 8

1. Insert the pad wrench between the backing pad and brake seal to hold the spindle nut.
2. Turn the backing pad counterclockwise to remove it.
3. Fit and tighten the new backing pad with washers.
4. Remove the pad wrench.

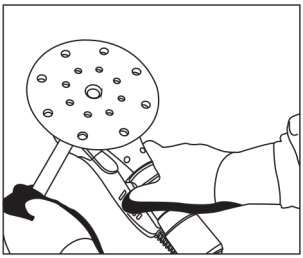
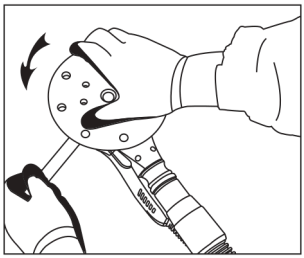



figure 8

REPLACING THE BRAKE SEAL

- NOTE! Too much vacuum in your dust extraction system may cause the brake seal to malfunction.

1. Remove the backing pad as described above.
2. Pull the old brake seal out of its groove.
3. Fit the new brake seal in the groove.
4. Fit the backing pad as described above.
5. Check the brake seal function.By changing the number of washers between the spindle and backing pad,the effect of the seal can be adjusted.

CLEANING

1. Periodically blow out all air passages and area above Disk Pad and under shroud with dry compressed air. All plastic parts should be cleaned with a soft damp cloth.
   NEVER use solvents to clean plastic parts.
2. Wear safety glasses while using compressed air.

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 electrical shock.
- Avoid body contract with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electrical 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 electrical 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 electrical shock.
- When operating a power tools outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electrical shock.
- If operating a power tool in a damp location unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electrical shock.

SERVICE

- Have qualified service personnel use only the same replacement parts to repair your tools. This will ensure the safety of the maintenance of power tools.

WORK SAFETY INSTRUCTIONS FOR OPERATIONS

- Do not put your hands near rotating accessories. Be especially careful when handling corners,
- sharp edges, etc. Avoid bouncing and hooking
  Accessories. Corners, sharp edges or bouncing easily catch rotating accessories and Lead to loss of control.

DISPOSAL INFORMATION

DANGER
Disposal guidelines for old appliances.Electric tools that have reached this end of their life must be collected separately and taken to an environmentally compatible recycling facility.

WARRANTY

When purchasing a new machine provides a 1-year manufacturer warranty, beginning on the day of the sale of the machine to the end user. The warranty covers only damages that can be traced back to material and/or manufacturing faults as well as the non-compliance of promised features. In case of assertion of claims from this warranty the original sales receipt that shows the purchase date has to be submitted. The customer is responsible for the delivery of the tool to DMOTOOL and any expenses associated with delivery. Warranty repairs may be made only by workshops or Dealer service stations authorised by DMOTOOL. An assertion of claims exists only when used appropriately. Excluded from this warranty are in particular regular operational wear, improper use, partially or completely disassembled power tools, as well as damage due to overload of the machine, the use of non-permitted, defective, or improperly applied tools and accessories. Damages caused by the machine on the application tool or work piece, use of force, consequential damages, that can be traced to improper or insufficient maintenance by the customer or third parties, damaging due to external influence such as sand or stones as well as damages due to non observance of the instructions such as connection to wrong voltages or type of electricity.

TROUBLESHOOTING

Problem	Possible Causes	Likely Solutio
The sander LED flashes keeps Continuously flashing	• Connected to a main outlet with wrong voltage.	• Connect the sander to a mainsoutlet that correspond with thenormal voltage of the tool.
No light from sander LED when swithed on.	• Power cord not properly attached to the sander or tothe mains socket	• Connect it properly.
Fuse / Circuit Breaker repeatedly trips.	• Low voltage • Bad connection	• Eliminate extension cord.Locate power source closer towork site. Have voltage checked bya qualified electrician. • Contact an authorized DamoTool Sanders Dealer.
Excessive noiseor rattling.	• Internal damage or wear	• Have technician service tool.
Sander stops when pressure is applied	• Avoid excessive force	• Check for worn or damaged sanding pads.

SYMBOLS

Important: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Properinterpretation of these symbols will allow you to operate the ool better and safer

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
R.P.M	No Load Speed	Rotational speed, at no load
Ø	Dimeter	Backing Plate Dimeter
	Safety Alert	Precautions that involve your safety
	Eye Protection	Always wear safety gogles or safety glasses with side shieldsand a full face shield when operating this product
	Wet Conditions Alert	Do not expose to rain or use in damp locations