P I T PDS20H-125A Cordless Random Orbital Sander User Manual

PDS20H-125A Cordless Random Orbital Sander
ONE 20V power
User Manual

Contents

PDS20H-125A Cordless Random Orbital Sander

Please read the instruction manual carefully before use

Safety Notes

General Power Tool Safety Warnings

WARNING Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fi re and/or serious injury.
Save all warnings and instructions for futurereference.
The term “power tool” in the warnings refersto your mainsoperated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

► Keep work area clean and well lit.Cluttered or dark areas invile 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 ignile the dust or fumes.
► Keep children and bystanders a way 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. Unmodifi ed plugs and matching outlets will reduce risk of electric shock.
► Avoid body contact with earthed or grounded surfaces, such 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 entering 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 and 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 suitable for outdoor use reduces the risk of electric shock.
► If operating a power tool in a damp loca- tion is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD 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 inattention while operating power tools may result in serious personal injury.
► Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
► Prevent unintentional starting. Ensure the switch is in the off -position before connecting to power source and/or battery pack, picking up or carrying the tool.Carrying power tools with your fi nger on the switch or energising 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 dust collection can reduce dust-related hazards.
► Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

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 at the rate 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 and/or the battery pack from the power tool before making any adjustments ,changing accessories, or storing power tools. Such preventive 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 unfamiliar 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 misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
► Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
► Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
► Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Service

► Have your power tool serviced by a qualifi ed repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY INFORMATION

► **IMPORTANT:** To reduce risk of injury, please read this user guide before assembly.

Battey tool use and care

► Recharge only with the charger specified by themanufacture.A chage that is suitable for one type of battery pack may create a risk of fi re when used with another battery pack.
► Use power tools only with specifi cally designated battery packs. Use of any other battery packs may ceate a risk of injury and fi re.
► When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails,screws or other small metal objects, that can make a connection from one terminal to anothe.
Shorting the battery terminals together may cause burns or a fi re.

► Under abusive conditions, liquid may be ejected fom the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes,additionally seek medical help. Liquid ejected from the battery may cause iritation or buns.

Safety warnings random orbital sander

► Contact o inhalation of dust generated when working with the sander may be harmful or toxic and can endanger the health of the operator and bystanders.

► Never use the sander on asbestos, painted surfaces that contain lead, or woods and metals which when sanded can create harmful or toxic dust. Risk of poisoning and dust- related hazards.

► Always wear personal protective equipment when using the sander, or if you are in the vicinity of someone using the sander. Protective equipment such as safety glasses, eye shields, or goggles, and a dust mask will reduce personal injuries. Nb. Everyday eyeglasses have only impact-resistant lenes; they are not safety glasses.

► Do not allow people to enter the woking area without wearing a dust mask.

► Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by you hand or against the body leaves it unstable and may lead to loss of control.

► Your sander is a handheld tool, do not clamp in a fi xed position.

► Where possible, seal off the working area to contain the dust for later removal.

► If operating the sander in a workshop ensure that a suitable dust extraction system is available and functioning correctly to reduce the exposure to wood dust to as low as is'reasonably practicable'. Dust extaction systems will reduce dust- related hazards.

► Your tool is designed for dry sanding only, not wetsanding. Failure to follow this rule may result inelectical shock.

► Do not sand magnesium material due to the risk of fi re.

► Only use sanding paper in good condition. Do not use torn or worn sanding paper.

► Before sanding, check the area is free of nails, screws,etc.

► Never stop the sander by applying a force to the baseplate.

► Never sweep up or use compressed ailines as this will disturb the dust and allow it to become inhaled. Always clean up using a vacuum cleaner suitable for fi ne dust particles. A suitable vacuum cleaner will reduce dustrelated hazards.

► Never eat, drink or smoke at the wokplace. Risk of dust-related hazards.

► Never use a sander whilst barefoot or wearing sandals.Risk of injury-related hazards.

Safety warnings battery pack

► Do not dismantle, open or shred cells or battery pack.

► Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other be short-circuited by conductive materials. When battery pack is not in use, keep it away from other metal objects, like paper clips,coins, keys, nails, screws or othe small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fi re.

► Do not expose battery pack to heat or fi re. Avoid storage in direct sunlight.

► Do not subject battery pack to mechanical shock.

► In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the aff ected area with copious amounts of water and seek medical advice.

► Seek medical advice immediately if a cell or battery pack has been swallowed.

► Keep battery pack clean and dry.

► Wipe the battery pack terminals with a clean dry cloth if they become dirty.

► Battery pack needs to be charged before use.Always refer to this user guide and use the correct charging procedure.

► Do not maintain battery pack on charge when not in use.

► After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain max imum performance.

► Battery pack gives its best performance when it is operated at normal room temperature (20°c ± 5°c).

► When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.

► Recharge only with the charge specifi ed by manufacturer. Do not use any charge other than that specifi cally povided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fi re when used with another battery pack.

► Do not use any battery pack which is not designed for use with the equipment.

► Keep battery pack out of the reach of children.

► Retain this user guide for future reference.

► Remove the battery from the equipment when not in use.

► Dispose of propely.

Safety warnings battery pack charger

► Read all safety warnings and instuctions. failure to follow warnings and instuctions may resultin electic shock, fire and/or seious injury.

► Save all warnings and instructions future reference.

► This appliance can only be used by childen aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and use maintenance shall not be made by child en without supervision. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualifi ed persons in order to avoid a hazard.

► Before charging, read the instructions.

► Afte charging, disconnect the battery char ger from the supply mains. Then emove the chassis connection and then the battey connection.

► Do not charge a leaking battery.

► Do not use chargers for works other than those to which they are designed.

► Before charging, ensure charger matches the local AC supply.

► For indoor use, do not expose to ain.

► The charging device must be protected from moisture.

► Do not use the charging device in the open.

► Do not short out the contacts of battery or charge.

► Respect the polarity"+/-"when charging.

► Do not open the unit and keep out of thereach of children.

► Do not charge the batteries of othe manufactures or ill-suited models.

► Ensure that the connection between thebattery charge and battery is correctly positioned and is not obstructed by foreignbodies.

► Check battery charger's slots are free offoreign objects and protect against dirt and humidity. Store in a dry and frost-fee place.

► When charging batteries, ensure that thebattery charge is in a well-ventilated areaand away fom infl ammable materials. Batteries can get hot during charging.Do notovercharge batteries. Ensure that batteries and charges are not left unsupervised duing charging.

► Do not recharge non- rechargeable batteies, as they can overheat and break.

► Longer life and better performance canbe obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4°C, or above40°C.This is important as it can preventserious damag to the battery pack.

► Charge only battery packs of the samemodel provided by manufacturer and ofmodels recommended by manufacturer .

Operation instructions

► **IMPORTANT:to** reduce risk of injury,please read this user guide before use.

Intended use

► This tool is intended to dry sanding ofwood, plastic,fi ller and coated surfaces.

Assembly Waning!

► Remove the battery pack from the power tool before making any adjustments,changing accessories, or storing powertools.

Selecting the right sanding disc

► Selecting the correct grit of sandpaper isan important decision to achieve the bestquality sanding fi nish.

► Coase grit will remove the most mateialand fi ner grit will give you the best fi nish in all sanding operations.The condition of the suface to be sanded will detemine which git will do the job.

► If the suface is rough, start with coarse grit and sand until the suface is uniform. Usea medium grit to remove any scratches left by the coarse grit. Then use a fi ner grit for fi nishing the suface.

► Always continue sanding with each grit until the suface is unifom. Sanding discs sold separately.

Waning!

► Danger to life due to electrical shock! The poduct may only be used fo dry sanding wok.

Waning!

► When woking, hold the poduct up against vertical sufaces in such a way that the dust collector points downwads.

Waning!

► Excessive pressure does not result in geater sanding perfomance, instead it causes geater wear on the product and sanding sheet. Fitting the sanding disc (see fi g. A) **Waning!**

► remove the battery pack from the power tool before making any adjustments,changing accessories,or storing power tool.

► This sandefeatues an easy hook and loop accessory Fastening system foquick changing without clamps.The sanding discs ae placed diectly onto the sanding pad.The hole pattern in the sanding pad and sanding disc mustMatch. Press the sanding disc onto the sanding disc by hand.Fimly pess the power tool with the sanding sheet against a Flat surface and biefl y switch the powetool on. This povides Fogood adhesion and prevents pematue wear.Before placing the sanding disc,fee the sanding pad from Dust/debis by lightly tapping against it.

Removing the sanding disc

► To remove, simply peel the sanding disc away from the sanding pad.

Using the removable dust bag (See fi g. C)

► Your sander is equipped with a removable dust bag ,which is designed for almost dust free working. Insert the removable dust bag into the dust extraction prot of the sander . Then pull the removable dust bag to make sure it is Tightened securely to the dust outlet [see fi g. C].

Emptying the removable dust bag

► For more efficient operation, empty dust bag, every 5-10mins. This will permit the air to fl ow through the bag better .

► To empty, pull the removable dust bag from the dust extaction port and shake out dust.

Dust extaction port

► A vacuum hose can be connected to the dust extaction port for cleaner cutting operations. The vacuum cleane must be suitable for the material being worked on.

On/off switch (see fi g. D)

► To start your sander , depress the protective cover over the switch at the position marked''I". To stop your sander , depress the protective cover at the position marked "O".

Using the sander (see fi g. E)

► The workpiece to be sanded must be secured.

► Be sure to hold the sander firmly while it is on and apply it gently to the work, as it may "kick"'on fi st contact. Hold the sander so that it is fl at on the workpiece and move in long,sweeping strokes across the surface. Let the sander do the work. Applying excessive pessure will slow the sander and produce unsatisfactory results. Light pressure is all that is needed for sanding, polishing, or scrubbing. Regularly check the condition of the sanding paper and replace it when worn for best results.

► Check you work often as this sander removes material quickly. Do not allow your sander to remain in the same position otherwise, you will remove too much material and create an uneven surface.

Disposal of an exhausted battery pack

► Olympia tools provides a facility for the collection and recycling of rechargeable liion batteries once they have reached the end of thei working life. To dispose of you battery please return to any olympia tools stockist who will collect them on our behalf. Alternatively consult your local waste authority for information regarding available recycling and/or disposal options. It will then be ecycled or dismantled in orde to reduce the impact on the environment battery packs can be hazardous for the environment and to human health since they contain hazardous substances.

► Discharge you battery pack by operating your random orbital sander , then remove the battery pack fom the andom orbital sander housing and cove the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

Overload protection

► When overloaded, the motor comes to a stop. Relieve the load on the tool immediately and release the on/off switch. Restart the tool as no mal.

Temperature dependent oveload protection

► When used as intended the power tool cannot be subject to overload. When the load is too high or the allowable battery temperature is too hot, the electronic control switches off the power tool until the temperature is in the optimumtemperature range again.

Protection against deep discharging

► The li-ion battery is protected against deep discharging by the "discharging protection system". When the battery is empty, the tool is switched off by means of a protective circuit. The andom orbital sander will no longer rotate.Remove the battery and echarge.

Useful tips

► Your sander is ideal for working on wood, metals and painted surfaces. It will smooth surfaces prior to painting,even where fi llers have been used and left proud.

► You sander is best suited to large fl at areas such as doors but can also be used on skirting boards, windows,etc, provided they are accessible.

► Diff erent types of sanding paper will allow the sander to meet various needs. Diff erent grades of sanding paper are available, the higher grade number, the fi ne the grit. For rough work start with a low grade of grit [e.g. 60 Grit] and changer to a higher, fi ner gader [e.g. 100 or 120] for fi nishing. If you use a fi ner grade fo rough surfaces it will soon clog and need changing.

► Let the sander do the work at all times. Do not force it or apply excessive pressure to the sanding paper or it could winkle or tear .

► If the surface shows excessive markings from the abrasive motion, you may be using a grit which is too coarse or applying too much pressure.

TROUBLE SHOOTING

If the sander does not remove material rapidly?

► Check the sanding sheet. If the sanding sheet is worn, replace with a new sheet and try again. The sheet must be kept in a dry place, if it is allowed to become damp, the abrasive particles will lose their adhesion to the backing paper and will not remove material rapidly.

If the sander does not move smoothly?

► The sanding sheet may be loose, damaged o wrinkled.Replace and try again.

If a fault can not be rectifi ed?

► Return the sander to an authorised dealer for repair .

Reasons for diff erent battery pack working times?

► Prolonged storage of a battery pack without use will reduce the battery pack working time. This can be corrected after several charge and discharge operations by charging and working with you random orbital sander . Heavy working conditions such as large screws into hard wood will use up the battery pack energy faster than lighter working conditions.Do not re-charge you battery pack below 0°c and above 45 as this will aff ect performance.

Maintenance

► Your tool requires no additional lubrication or maintenance.There are no user serviceable parts in you power tool.

► Neve use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth.

► Always store your power tool in a dry place.

► Keep the motor ventilation slots clean. Keep all working contols free of dust.

► Occasionally you may see sparks through the ventilation slots.This is normal and will not damage your power tool.

Disposal ackaging materials

► Dispose of in an environmentally friendly way by adding to you recyclable waste bin, or by taking it to a public collection centre.

Electrical products

► Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist.

►  Check with you local authority or retailer for recycling advice.

Batteries

►  Olympia tools provides a facility for the collection and recycling of rechargeable liion batteries once they have eached the end of their working life. To dispose of you battery please return to any olympia tools stockist who will collect on our behalf. Altenatively consultr you local waste authoity for infomation regarding available ecycling and/or disposal options. Your battery will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain

hazardous substances.

Storage

► Store the machine, operating instructions and where necessary the accessories in the original packaging.In this way you will always have all the info mation and parts ready to hand.
► Pack the device well or use the original packaging in orde to avoid transit damage.
► Always keep the machine in dry place.

Transport

Waning!
► Li-ion batteries are subject to dangerous goods legislation.
► The process fo shipping li-ion batteries can be diffi cult.
► There are many regulations you need to adhere to, and specifi c packaging and labelling instuctions you need to follow when sending li-ion batteries by ground or air via a third party[aifeight, courie, etc.]
► Ensure you take account of un3481 regulations and any more detailed national regulations. If in doubt, contact the service provide you have chosen to ship your li-ion batteries consult an expert fo hazadous material.
Waning!
► Make sure your li-ion battery is contained in its associated device
► Seal the on/off switches and any electrical terminals with tape
► Place you device in a plastic bag before packaging it
► Make sure you attach the correct shipping label fo the service you're using to ship you li-ion batteries
► You are esponsible for ensuring all documen ation is correct
► Make sure you package is secure and will not break if it is dropped
► Use as much hard-wearing packaging as you can
► You are not allowed to ship faulty li-ion batteries
► Batteries can be transported by oad without the equirements
Safety Warnings for Sander
► Only use the power tool for dry sanding. Water entering a power tool will increase the risk of electric shock.
► Ensure that no persons are at risk due to flying sparks. Remove combustible materials from the surrounding area. Flying sparks are created when sanding metals.
► Warning: Danger of fire! Avoid overheating the workpiece and the sander. Always empty the dust collector before taking a break from work.Sanding dust in the dust bag, microfi lter, paper bag (or in the filter bag or vacuum cleaner filter) can spontaneously combust under certain conditions, for example if fl ying sparks are created when sanding metals. This risk is increased if the sanding dust is mixed with paint or polyurethane residue or with other chemical substances and if the workpiece is hot as a result of prolonged work.
► Clean the air vents on your power tool regularly.The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
► Hold the power tool firmly with both hands and make sure you have a stable footing. The power tool can be more securely guided with both hands.
► Always wait until the power tool has come to a complete stop before placing it down.
► Secure the workpiece.A workpiece clamped with clamping devices or in a vice is held more secure than by hand. Product Description and Specifications

 Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fi re and/or serious injury.
Intended Use
The power tool is intended for dry sanding of wood, plastic, metal, fi ller and varnished surfaces. Power tools with electronic control are also suitable for polishing. Technical Data

Model	PDS20H-125A
Rated Voltage	DC 20V
Rated no-load speed	6000-11000 r/min
Disc diameter	0125 mm(5″)
Weight	9.5Kg

Contents of delivery

Cordless random orbital sander	1pc
Dust box	1pc
Sandpaper	1pc
Instruction manual	1pc

Note Since the product is constantly being improved, P.I.T. reserves the right to make changes to the specifications and product specifi cations specifi ed here without prior notice.

Product Features

The numbering of the components shown refers to the representation of the power tool on the graphic pages.

1. Sanding pad
2. On/off switch
3. Handle (insulated gripping surface)
4. Orbital stroke rate preselection thumbwheel
5. .Battery pack 6 .Battery release button
6. Dust extraction connection 8. Sanding sheet
7. Removable dust bag Not all of the accessories illustrated or described are included as standard delivery.

Assembly

► Pull the plug out of the socket before carrying out any work on the power tool. Changing the sanding sheet (see fi gure A) Remove dirt and dust from the sanding pad, e.g. with a paintbrush, before attaching a new sanding sheet. The surface of the sanding pad is fi tted with a hook-andloop fastening, allowing sanding sheets with a similar backing to be secured quickly and easily.
Press the sanding sheet firmly onto the underside of the sanding pad.
To ensure optimum dust extraction, make sure that the punched holes in the sanding sheet are aligned with the drilled holes in the sanding pad.
Selection of the Sanding Plate
The power tool can be fitted with sanding pads of various hardnesses, depending on the application:

- Extra soft sanding pad: Suitable for polishing and sensitive sanding even on curved surfaces.
- Soft sanding pad: Suitable for all sanding work, universal application.
- Hard sanding pad: Suitable for heavy sanding on fl at surfaces.

Changing the sanding pad (see fi gure B)
Note: Replace damaged sanding pads immediately. Remove the sanding sheet or polishing tool. Unscrew the screw completely and remove the sanding pad. Attach the new sanding pad and retighten the screw so that it is finger-tight. Note: Pads with diameters of 150 mm and 125 mm have diff erent carriers. The pads can only be fi tted to the right power tool.
Note: When attaching the sanding pad, make sure that the teeth of the catch mate with the recesses in the sanding pad.
Note: Damaged sanding pads must only be replaced by an after-sales service centre authorised to work with P.I.T. power tools.
Dust/chip extraction
The dust from materials such as lead paint, some types of wood, minerals and metal can be harmful to human health.
Touching or breathing in this dust can trigger allergic reactions and/or cause respiratory illnesses in the user or in people in the near vicinity.
Certain dusts, such as oak or beech dust, are classified as carcinogenic, especially in conjunction with wood treatment additives (chromate, wood preservative). Materials containing asbestos may only be machined by specialists.

- Use a dust extraction system that is suitable for the material wherever possible.
- Provide good ventilation at the workplace.
- It is advisable to wear a P2 filter class breathing mask.

The regulations on the material being machined that apply in the country of use must be observed.
► Avoid dust accumulation at the workplace. Dust can easily ignite.
External dust extraction (see fi gure C)
Attach the dust extraction adapter to the extraction outlet. Make sure that the locking levers of the dust extraction adapter lock into place.
The dust extractor must be suitable for the material being worked.
When extracting dry dust that is especially detrimental to health or carcinogenic, use a special dust extractor.
When working on vertical surfaces, hold the power tool with the dust extraction hose facing downwards.

Operation

Starting Operation
► Pay attention to the mains voltage. The voltage of the power source must match the voltage specifi ed on the rating plate of the power tool. Power tools marked with
230 V can also be operated with 220 V.
Switching On and Off
► Make sure that you are able to press the On/Off switch without releasing the handle. To switch on the power tool, press and hold the on/off switch.
To lock the on/off switch press and hold it while also pushing the lock-on button.
To switch off the power tool, release the on/off switch. If the on/off switch is locked, press the switch fi rst and then release it.
Preselecting the orbital stroke rate You can even preselect the orbital stroke rate during operation using the necessary orbital stroke rate preselection thumbwheel.
The required orbital stroke rate is dependent on the material and the work conditions and can be determined using practical tests.
The Constant Electronic keeps the orbital stroke rate at no load and under load virtually consistent, guaranteeing uniform performance.
After working at a low orbital stoke rate for an extended period, you should operate the power tool at the maximum orbital stroke rate for approximately three minutes without load to cool it down.
Sanding Plate Brake
An integrated sanding pad brake reduces the orbital stroke rate when running without load to prevent scoring when the power tool is placed on the workpiece.
If the no-load orbital stroke rate constantly increases over time, this means that the sanding pad is damaged and must be replaced, or that the sanding pad brake is worn. A worn sanding pad brake must be replaced by an after-

sales service centre authorised to work with P.I.T. power tools.

Working Advice

► Pull the plug out of the socket before carrying out any work on the power tool.

► Always wait until the power tool has come to a complete stop before placing it down.

► This power tool is not suitable for bench-mounted use. It must not be clamped into a vice or fastened to a workbench, for example.

Sanding Surfaces

Switch the power tool on, place the entire sanding surface against the surface of the workpiece and apply moderate pressure as you move the sander over the workpiece. The material removal rate and sanding result are primarily determined by the choice of sanding sheet, the preselected orbital stroke rate level and the contact pressure.

Only immaculate sanding sheets achieve good sanding performance and make the power tool last longer.

Be sure to apply consistent contact pressure in order to increase the lifetime of the sanding sheets.

Excessively increasing the contact pressure will not lead to increased sanding performance, rather it will cause more severe wear of the power tool and of the sanding sheet. Do not use a sanding sheet for other materials after it has been used to work on metal. Use only original P.I.T.-sanding accessories.

Rough Sanding

Attach a coarse grit sanding sheet.

Apply only light pressure to the power tool so that it runs at a higher orbital stroke rate and a higher material removal rate is achieved.

Fine Sanding

Attach a fi ne grit sanding sheet. You can reduce the sanding plate orbital stroke rate by lightly varying the contact pressure or changing the orbital stroke rate level; the random orbit motion will be retained.

Move the power tool with moderate pressure flat on the workpiece in a circular motion or alternately along and across it. Do not tilt the power tool in order to avoid sanding through the workpiece, e.g. veneers.

Switch the power tool off after completing operation.

Polishing

For polishing weathered lacquers and redressing scratches (e.g. acrylic glass), the power tool can be fitted with an appropriate polishing tool, e.g. lambswool bonnet, polishing felt or polishing sponge (accessory).

Select a low orbital stroke rate (level 1–2) when polishing in order to avoid heating up the surface excessively.

Apply the polish to an area slightly smaller than the area which you intend to polish.

Using the appropriate polishing tool, work in the polish with either linear or circular movements and with moderate pressure.

Do not allow the polish to dry out on the surface; this may damage the surface. Do not expose the surface which you intend to polish to direct sunlight.

Clean the polishing tool regularly to ensure good polishing results. Wash the polishing tools with mild detergent and warm water; do not use thinning agents.

Maintenance and Service

Maintenance and Cleaning

► Pull the plug out of the socket before carrying out any work on the power tool.

► To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.

In order to avoid safety hazards, if the power supply cord needs to be replaced, this must be done by P.I.T. or by an after-sales service centre that is authorised to repair P.I.T. power tools.

Transportation of the power tools

► Categorically not to drop any mechanical impact on the packaging during transport.

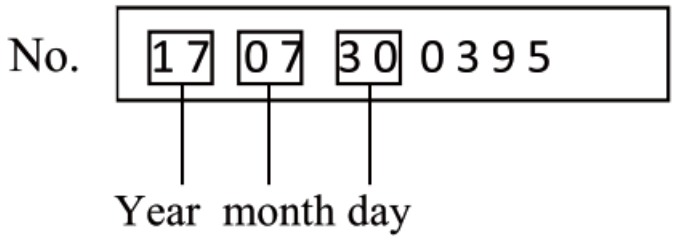
► When unloading / loading is not allowed to use any kind of technology that works on the principle of clamping packaging.

Dispose of waste

 Damaged power tools, batteries, acces- sories and waste packaging materials must be recycled and reused in an environmentally friendly manner.

Do not throw power tools and accumulators / batteries into general household waste!

Product serial number interpretation serial number



The fi rst and second digits of the product serial number from left to right Year of production, the third and fourth digits indicate the month of production, the The fi fth and sixth digits indicate the production day.

TERMS OF WARRANTY SERVICE

1. This Warranty Certifi cate is the only document that confi rms your right to free warranty service. Without presenting this certifi cate, no claims are accepted. In case of loss or damage, the warranty certifi cate is not restored.
2. The warranty period for the electric machine is 12 months from the date of sale, during the warranty period the service department eliminates manufacturing defects and replaces parts that have failed due to the fault of the manufacturer free of charge. In the warranty repair, an equivalent operable product is not provided. Replaceable parts become property of service providers. P.I.T is not liable for any damage that may be caused by operation of the electric machine.
3. Only clean tool accompanied with the following duly executed documents: this Warranty Certifi cate, Warranty Card, with all fi elds fi lled out, bearing the stamp of the trade organization and the signature of the buyer, shall be accepted for warranty repair.
4. Warranty repair is not performed in the following cases:
    1. in the absence of a Warranty Certifi cate and a Warranty Card or their incorrect execution;
    2. with failure of both a rotor and a stator of the electric engine, charring or melting of primary winding of the welding machine transformer, charging or starting -charging device, with internal parts melting, burn down of electronic circuit boards;
    3. if a Warranty Certifi cate or a Warranty Card does not correspond to this electric machine or to the form established by the supplier;
    4. upon expiration of the warranty period;
    5. at attempts of opening or repair of the electric machine outside the warranty workshop; making constructive changes and lubrication of the tool during the warranty period, as evidenced, for example, by the creases on the spline parts of the fasteners of non-rotational parts.
    6. when using electric tools for production or other purposes connected with making a profit, as well as in case of malfunctions related to instability of the power network parameters exceeding the norms established by GOST;
    7. in the events of improper operation (use the electric machine for other than intended purposes, attachments to the electric machine of attachments, accessories, etc. not provided by the manufacturer);
    8. with mechanical damage to the case, power cord and in case of damages caused by aggressive agents and high and low temperatures, ingress of foreign objects in the ventilation grids of the electric machine, as well as in case of damage resulting from improper storage (corrosion of metal parts);
    9. natural wear and tear on the parts of the electric machine, as a result of long-term operation (determined on the basis of the signs of full or partial depletion of the specified mean life, great contamination, presence of rust outside and inside the electric machine, waste lubricant in the gearbox);

10. use of the tool the purposes for other than specifi ed in the operating instructions.
11. mechanical damages to the tool;
12. in the event of damages due to non-observance of the operating conditions specifi ed in the instruction (see chapter “Safety Precautions” of the Manual).
13. damage to the product due to non-observance of the rules of storage and transportation.

    Preventive maintenance of electric machines (cleaning, washing, lubrication, replacement of anthers, piston and sealing rings) during the warranty period is a paid service.

    The service life of the product is 3 years. Shelf life is 2 years. It is not recommended for operation after 2 years of storage from the date of manufacture, which is indicated in the serial number on the label of the instrument, without preliminary verifi cation (for the defi nition of the date of manufacture, see the User’s Manual earlier). T

    he owner is notified of any possible violations of the above terms of wa rranty service upon completion of diagnostics in the service center.

    The owner of the tool entrusts the diagnostic procedure to be conducted in the service center in his absence.

    Do not operate the electric machine when there are signs of excessive heat, sparking, or noise in the gearbox. To determine the cause of the malfunction, the buyer should contact the warranty service center. Malfunctions caused by late replacement of carbon brushes of the engine are eliminated at the expense of the buyer.

5. The warranty does not cover:
    1. replacement accessories (accessories and components), for example: batteries, discs, blades, drill bits, borers, chucks, chains, sprockets, collet clamps, guide rails, tension and fastening elements, trimming device heads, base of grinding and belt sander machines, hexagonal heads, etc.,
    2. fast wearing parts, for example: carbon brushes, drive belts, seals, protective covers, guiding rollers, guides, rubber seals, bearings, toothed belts and wheels, shanks, brake belts, starter ratchets and ropes, piston rings, etc. Their replacement during the warranty period is a paid service;
    3. power cords, in case of damage to the insulation, power cords are subject to mandatory replacement without the consent of the owner (paid service);
    4. tool case.

P.I.T. WARRANTY CERTIFICATE

Product Name_____

Product Serial Number □□□□□□□□□□□

Charger Serial Number □□□□□□□□□□□□□

Sale Date _____

Trade Organization Name _____

Dear customer!

Thank you for purchasing the P.I.T tool, and we hope that you will be satisfi ed with your choice.

In the process of manufacturing the P.I.T tools pass multilevel quality control, if nevertheless your product will need maintenance, please contact the authorized P.I.T service centers.

Attention!

When buying, ask a seller to check the completeness and operability of the tool, to fi ll out the Warranty Certifi cate, the Warranty Card (the boxes shall be fi lled out by a seller) and to affi x the seal of the trade organization in the Guarantee Certifi cate and the Warranty Card.

Warranty

By this Warranty Certifi cate, P.I.T. company guarantees the absence of defects of the production nature.

In the event any of the above defects are detected during the warranty period, the specialized P.I.T. service centers shall repair the product and replace the defective spare parts free of charge.

The warranty period for P.I.T. electric machines is 12 months from the date of sale.
The warranty maintenance terms acknowledged and accepted. The operability and completeness of the product are checked in my presence. No claims on
quality and appearance.”
Buyer’s Signature_____
Surname (legibly) _____
Phone _____

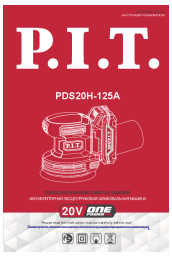
P.I.T. WARRANTY CARD

Name_____
Serial Number_____
Sale Date _____20__
Date of Receipt from Repair ____20__
Name_____
Serial Number_____
Sale Date _____20__
Place of Seal (Filled out by a Seller)
WARRANTY REPAIR CARD
Date of Acceptance for Repair _____20___
Application for Repair _____
Customer _____
Phone (Address)_____
Cause of Application_____
Date of Receipt from Repair _____20__
The Tool is checked in my presence_____
(The Order shall be performed in a Service Center) (Signature)

www.pit-tools.com

* 2445
info@pittools.ru

Documents / Resources

	**P I T PDS20H-125A Cordless Random Orbital Sander** [pdf] User Manual PDS20H-125A, Cordless Random Orbital Sander, Random Orbital Sander, Cordless Orbital Sander, Orbital Sander, Sander

References

- PIT GOLBAL
- Электроинструмент и садовая техника P.I.T. | Официальный сайт