20V Ø125MM RANDOM ORBITAL PALM SANDER - BODY ONLY

MODEL NO: **CP20VOS**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual | Wear eye protection | Wear a mask | Wear ear protection | Wear protective gloves

1. SAFETY

1.1. GENERAL SAFETY

- ❑ **WARNING!** Ensure that Health & Safety, local authority and general workshop practice regulations are adhered to when using this sander.
- ✓ Familiarise yourself with the application, limitations and potential hazards of the sander.
- ❑ **WARNING!** Disconnect from the battery and ensure that the pad is at a complete standstill before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the sander in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ❑ **WARNING!** Keep all holding screws in place, tight and in good working order. Check regularly for damaged parts. A part that is damaged must be repaired/replaced before the sander is next used.
- ✓ Use the sander in a suitable work area and keep the area clean and tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ✓ Keep the sander clean for best and safest performance.
- ✓ Before each use check all attachments for condition. If worn or damaged replace immediately.
- ✓ Ensure that there are no flammable materials near the work area.
- ❑ **WARNING!** Wear approved safety eye protection, ear defenders and, if dust is generated, respiratory protection.
- ✓ Maintain correct balance and footing. Ensure that the floor is not slippery and wear non-slip shoes.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain and/or tie back long hair.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Avoid unintentional starting.
- × **DO NOT** use the sander for any purpose other than that for which it is designed.
- × **DO NOT** operate the sander if any parts are damaged or missing as this may cause failure and/or personal injury.
- × **DO NOT** get the sander wet or use in damp or wet locations or areas where there is condensation.
- × **DO NOT** allow untrained persons to operate the polisher.
- × **DO NOT** operate the sander when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** use the sander where there are flammable liquids, solids or gases such as paint solvents, etc.
- × **DO NOT** leave the sander operating unattended.
- × **DO NOT** carry the sander with your finger on the power switch.
- ✓ Use a qualified person to maintain the sander.
- ✓ When not in use, remove and store in a safe, dry, childproof area.

1.2. LEAD PAINT WARNING!

Paint once contained lead as a traditional ingredient. Contact with the dust from the removal of such paint is toxic and must therefore be avoided. The following action must be taken before using the sander on a surface that you suspect may contain lead paint.

1.2.1. User must determine potential hazard relating to age of paint to be removed. (Modern paints do not have lead content).

▲ **DANGER!** Keep all persons and pets away from the working area. The following persons are particularly vulnerable to the effects of lead paint dust: *Expectant women, babies and children*.

1.2.2. We recommend personal protection by using the following safety items:
a) Paint Spray Respirator (Our ref SSP1699)
b) PE Coated Hooded Coverall (Our ref SSP266).
c) Latex Gloves (Our ref SSP24).

1.2.3. Take adequate measures to contain the paint dust, flakes and scrapings.

1.2.4. Continue to wear safety equipment as in (3) above and thoroughly clean all areas when task is complete. Ensure paint waste is disposed. of in sealed bags or containers according to local regulations.

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2. INTRODUCTION

Powerful, cordless, lightweight orbital sander. Durable composite housing with soft grip for added comfort. 3-Speed settings gives control to complete various tasks. Features a self-contained dust extraction port with dust collection bag. Fitted with Ø125mm hook-and-loop backing pad and supplied with two sanding discs. Requires compatible 20V battery and mains charger, sold separately.

3. SPECIFICATION

Model No.....CP20VOS
Battery .....20V 2Ah - 6Ah Lithium-ion (not included)
Consumable parts:
CP20VBP2 - 2Ah Battery, CP20VBP4 - 4Ah Battery,
CP20VBP6 - 6Ah Battery
No load speed..... 5000/7000/9000rpm
Pad size Ø125mm
Replacement parts
..... CP20VMC - Mains Charger (not included)
Noise power.....91dB
Noise pressure.....80dB
Vibration..... 7.521m/s²
Uncertainty..... 1.5m/s²



4. OPERATION

- ❑ **WARNING:** Ensure the tool has the battery disconnected before attaching or changing any accessories, or making any adjustments.

4.1. SELECTING THE RIGHT GRADE OF SANDING DISC

4.1.1. Sanding discs are available in a variety of different grades: coarse (60 grit), medium (120 grit) and fine (240 grit).
4.1.2. Use a coarse grit to sand down rough finishes, medium grit to smooth the work, and fine grit to finish off.
4.1.3. Always use good quality sanding discs to maximise the quality of the finished task.
4.1.4. It is advisable to do a trial run on a scrap piece of material to determine the optimum grades of sandpaper for a particular job. If there are still marks on your work after sanding, try either going back to a coarser grade and sanding the marks out before recommencing with the original choice of grit, or try using a new piece of sandpaper to eliminate the unwanted marks before going on to a finer grit and finishing the job

4.2. FITTING A SANDING DISC

- ❑ **WARNING:** Always ensure that the battery pack is removed from the power point before fitting or removing sanding discs.

4.2.1. Note: **DO NOT** continue to use worn, torn or heavily clogged sanding discs. Ensure foreign objects, such as nails and screws, are removed from the workpiece before starting to sand.

- ❑ **WARNING: DO NOT** use a sanding disc on wood that has previously been used on metal. This may cause scouring on the wooden surface.

4.2.2. Remove any dust or debris from the Hook & Loop Sanding pad, before fitting a sanding disc
4.2.3. Match the holes in a suitable disc with the holes in the base and simply press the disc to the base to attach it.
4.2.4. To remove the disc, peel it away from the base.
4.2.5. Note: To maximise the life of the Hook & Loop Sanding Base, peel the sanding disc off slowly rather than rapidly removing it to avoid damage to the hook and loop system.

- ❑ **WARNING:** Take care to regularly clean out the build-up of dust on the base underneath the sanding disc and not to let the disc wear completely down before replacing it. Failure to observe these two precautionary measures can lead to damage to the hooks and loops on the base and the sanding disc will not attach properly.
- ❑ **WARNING:** Never use the sander unless the entire base is covered by the sanding disc.

4.3. DUST COLLECTION

- ❑ **WARNING:** Always use the dust collection bag if the sanding dust contains harmful substances, such as particles from old paint, varnish, surface coatings etc. Always dispose of harmful dust according to local laws and regulations.
- ❑ **WARNING:** Take special care to guard against harmful and toxic dusts when sanding lead-based painted surfaces, woods and metals, particularly if you are unsure about the exact substances involved. All persons entering the work area must wear a mask specially designed for protection against the toxic dust and fumes involved. Children and pregnant women MUST NOT enter the work area. **DO NOT** eat, drink or smoke in the work area.

4.3.1. Push the dust collector onto the extraction pipe.
4.3.2. To empty the bag pull the bag assembly from the extraction pipe, hold it upright and twist the cap anticlockwise to remove the cap. Dispose of dust according to regulations in force.

- ❑ **WARNING:** For optimum dust extraction, remove and empty the Dust Bag when it is no more than half full.
- ❑ **WARNING:** Remove and **DO NOT** use the Dust Bag when sanding metal. Hot metal particles and sparks could ignite residual wood dust, or cause the Dust Bag to catch fire. Always connect the sander to a suitable workshop dust extraction system when sanding metal. Always clean the tool THOROUGHLY when switching from sanding wood to sanding metal, and vice versa.

4.4. OPERATION

- ❑ **WARNING:** Always wear eye protection, adequate respiratory and hearing protection, as well as suitable gloves, when working with this tool.
- ❑ **WARNING: DO NOT** touch the moving sanding disc.
  Note: Always use clamps to secure your workpiece to the workbench wherever possible.
- ❑ **WARNING:** Never allow the sandpaper to completely wear down before replacing it. Failure to observe these precautionary measures can lead to damage to the hook and loop surfaces, resulting in sanding discs failing to attach properly.

4.5. FIT BATTERY

4.5.1. Slide battery pack down until button clicks. Press button in and pull upwards to remove

- ❑ **WARNING!** Take care to NOT press the On/off button whilst fitting/removing the battery pack.

4.6. Switching on and off

- ❑ **WARNING:** Always wear safety goggles, an adequate dust mask, hearing protection and suitable gloves, when working with this tool.

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❑ **WARNING:** Never switch the sander on when the base is in contact with the workpiece or any other surface, as this might cause the operator to lose control over the machine and lead to serious injury.

4.6.1. Fit the battery.

4.6.2. Push the right hand (when viewed from the front) On/Off Switch to toggle through the 3 speeds.

4.6.3. To switch the sander Off press the left hand (when viewed from the front) switch.

❑ **WARNING:** Always wait until the machine has stopped vibrating completely before putting it down. Always disconnect the battery after use.

4.7. SANDING

4.7.1. Fit the dust collection bag before use.

4.7.2. Move the sander in a circular motion over the workpiece surface, applying an even, moderate pressure until you reach the desired surface finish

❑ **WARNING:** Excessive pressure does not lead to a faster removal of material; it will, however, lead to premature wear of the sanding disc, and may cause damage to the machine.

4.7.3. If there are still scratches on your workpiece after sanding, refer to 'Selecting the right grade of sanding disc'.

5. MAINTENANCE

❑ **WARNING:** Always disconnect the battery before carrying out any inspection, maintenance or cleaning.

5.1. GENERAL INSPECTION

5.1.1. Regularly check that all the fixing screws are tight.

5.1.2. Repairs should be carried out by an authorised service centre.

5.2. EMPTYING THE DUST EXTRACTION BAG

❑ **WARNING:** Always switch off and disconnect from the battery before detaching the dust extraction system.

❑ **WARNING:** Always wear respiratory protection, eye protection and gloves when emptying the Dust Bag.

5.2.1. Note: For optimum dust removal, empty the Dust Bag when it is no more than half full.

5.2.2. To empty the bag pull the bag assembly from the extraction pipe, hold it upright and twist the cap anticlockwise to remove the cap.

5.2.3. **Dispose of the waste**

Note: If the sanding dust contains harmful substances, such as particles from old paint, varnish, surface coatings etc., always dispose of according to local laws and regulations.

5.2.4. Note: Always clean the tool THOROUGHLY when switching from sanding wood to sanding metal and vice versa.

5.3. CLEANING

❑ **WARNING:** Always wear protective equipment including eye protection and gloves when cleaning this tool.

5.3.1. Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the device's service life.

5.3.2. Clean the body of your machine with a soft brush, or dry cloth.

5.3.3. Never use caustic agents to clean plastic parts. If dry cleaning is not sufficient, a mild detergent on a damp cloth is recommended.

5.3.4. Water must never come into contact with the tool Ensure the tool is thoroughly dry before using it.

5.3.5. If available, use clean, dry, compressed air to blow through the ventilation holes (where applicable).

5.4. LUBRICATION

5.4.1. Slightly lubricate all moving parts at regular intervals with a suitable spray lubricant.

5.5. BRUSHES

5.5.1. Over time the carbon brushes inside the motor may become worn

5.5.2. Excessively worn brushes may cause loss of power, intermittent failure, or visible sparking.

5.5.3. If you suspect that the brushes may be worn, have them replaced at an authorised service centre.

5.6. STORAGE

5.6.1. Store this tool carefully in a secure, dry place out of the reach of children.

❑ **WARNING! – Risk of Hand Arm Vibration Injury.**

This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.

This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.

This tool is to be operated in accordance with these instructions.

Measured vibration emission value (a): 7.521 m/s²

Uncertainty value (k): 1.5 m/s²

Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

NB: Stated Vibration Emission values are type-test values and are intended to be typical.

Whilst in use, the actual value will vary considerably from and depend on many factors.

Such factors include; the operator, the task and the inserted tool or consumable.

NB: ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.

The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

Health surveillance.

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

Personal protective equipment.

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSC website www.hse.gov.uk - Hand-Arm Vibration at Work.

WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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