

RANDOM ORBITAL AIR SANDER



Please read and understand all instructions before use.

Retain this manual for future reference

● SPECIFICATIONS

Pad Size	Ø150mm
Pad Face Type	Hook and loop (Velcro type)
Orbit Size	5mm
Spindle Size	5/16 "x 24 Thread
Air Inlet	1/4"
Pressure Rating	0.63 MPa
Speed Rating	10000 RPM
Min. Hose Size	3/8"
Material	Composite Housing
Weight	1.2 kg
Length	280 mm
Average Air Consumption	445 L/min

HAZARD DEFINITIONS

Please familiarize yourself with the hazard notices found in this manual. A notice is an alert that there is a possibility of property damage, injury or death if certain instructions are not followed.

DANGER! This notice indicates an immediate and specific hazard that will result in severe personal injury or death if the proper precautions are not taken.

WARNING! This notice indicates a specific hazard or unsafe practice that could result in severe personal injury or death if the proper precautions are not taken.

CAUTION! This notice indicates a potentially hazardous situation that may result in minor or moderate injury if proper practices are not taken.

NOTICE! This notice indicates that a specific hazard or unsafe practice will result in equipment or property damage, but not personal injury.

INTRODUCTION

This Random Orbital Air Palm Sander is designed for sanding metal, plastic and painted surfaces for professional finishes. The quick change front mounted locking button means no tools are needed to quickly and efficiently change the backing pad.

SAFETY

WARNING! Read and understand all instructions before using this tool. The operator must follow basic precautions to reduce the risk of personal injury and/or damage to the equipment.

Keep this manual for safety warnings, precautions, operating or inspection and maintenance instructions.

WORK AREA

1. Operate in a safe work environment. Keep your work area clean, well-lit and free of distractions. Place lights so you are not working in a shadow.
2. Keep anyone not wearing the appropriate safety equipment away from the work area.
3. Store tools properly in a safe and dry location. Keep tools out of the reach of children.
4. Do not install or use in the presence of flammable gases, dust or liquids.

PERSONAL SAFETY

WARNING! Wear personal protective equipment approved by the JIS Standards Association.

PERSONAL PROTECTIVE EQUIPMENT

1. Always wear impact safety goggles that provide front and side protection for the eyes. Eye protection equipment should comply with JIS standards based on the type of work performed.

2. Wear the appropriate type of full-face shield in addition to safety goggles, as the work can create chips, abrasive or particulate matter
3. Wear gloves that provide protection based on the work materials or to reduce the effects of tool vibration.
4. Wear protective clothing designed for the work environment and tool.
5. Non-skid footwear is recommended to maintain footing and balance in the work environment.
6. This tool can cause hearing damage. Wear hearing protection gear with an appropriate Noise Reduction Rating to withstand the decibel levels.
7. The tool may contain high pressure. Use safety glasses and gloves for protection during operation. Keep hands clear of the exposed rubber portions of the hose.
8. Wear a NIOSH approved respirator when working on materials that produce hazardous fumes, dust or particulate matter.

PERSONAL PRECAUTIONS

Control the tool, personal movement and the work environment to avoid personal injury or damage to the tool.

1. Do not operate any tool when tired or under the influence of drugs, alcohol or medications.
2. Avoid wearing clothes or jewelry that can become entangled with the moving parts of a tool. Keep long hair covered or bound.
3. Do not overreach when operating a tool. Proper footing and balance enables better control in unexpected situations.
4. Keep your fingers away from the trigger/switch while carrying the tool, attaching an air hose or an accessory. Lock the trigger/switch safety if available.
5. Avoid unintentional starts. Be sure that the regulator/throttle switch is in the neutral or OFF position when not in use and before connecting it to any air source.
5. Never point the air stream or tool at any point of your body, other people or animals. Debris and dust ejected at high speed can cause an injury.
6. Serious injury or death may occur from inhaling compressed air. The air stream may contain carbon monoxide, toxic vapors or solid particles. Never inhale compressed air directly from the pump or air tool.

SPECIFIC SAFETY PRECAUTIONS

WARNING! DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to the tool safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. Use the correct tool for the job. This tool was designed for a specific function. Do not modify or alter this tool or use it for an unintended purpose.
2. Do not use the tool if any parts are damage broken or misplaced. Repair or replace the parts.
3. Do not use any power tool with a malfunctioning power switch or control. A power tool that fails to respond to the controls is dangerous and can cause an injury. A qualified technician must repair and verify the power tool is operating correctly before it can be used.
4. Never use a tool with a cracked or worn tool accessory. Change the tool accessory before using it.
5. Do not cover the air vents.
6. Only use accessories that are specifically designed for use with the tool. Ensure the accessory is tightly installed.
7. Only use an accessory that exceeds the speed rating (see Specifications).
8. Disconnect the power source before installing or servicing the tool.
9. Before using the tool on a workpiece, test the tool by running it at the highest speed rating for at least 30 seconds in a safe position. Stop immediately if there is any abnormal vibration or wobbling. Check the tool to determine the cause. 10. Never force the tool. Excessive pressure could break the tool, resulting in damage to your workpiece or serious personal injury. Excessive pressure is the cause if your tool runs smoothly under no load, but roughly under load.
10. Keep hands and fingers away from the work area. Any part of the body contacting the tool's working parts could result in an injury.
11. Do not place the tool down until the tool's accessory has stopped moving. The accessory may catch the surface of work material and wrench itself free, causing injury to the user or others in the work area.
12. Be aware of the rotation direction before starting the tool to reduce hazardous situations due to unexpected rotation direction.
13. Never run the tool unless the abrasive pad is applied to the workpiece.

AIR TOOL PRECAUTIONS

1. Use only clean and dry compressed air as a power source. Contaminated or moist air will gradually damage the tool.
2. Install an in-line shutoff valve or regulator to allow immediate control over the air supply in an emergency, even if a hose is ruptured.
3. Discontinue tool use if it does not work properly or air is leaking. Tag or mark the tool as 'defective' or 'out of service' until repaired.
4. Check the manufacturer's maximum pressure rating for air tools and accessories. Compressor outlet pressure must be regulated to never exceed the maximum pressure rating of the tool (see Specifications). Exceeding the maximum PSI rating can create a bursting hazard, causing injury and property damage.
5. Attach all accessories properly to the tool before connecting the air supply. A loose accessory may detach or break during operation.
6. Never use oxygen, combustible gas or any other bottled gas as a power source. Any power source other than an air compressor could cause an explosion and serious personal injury.
7. Turn OFF the valve and discharge any remaining air pressure after each use or before adjusting the tool.
8. Do not leave the air tool unattended with its compressed air supply on. Turn off the compressed air supply and bleed the air tool of any remaining compressed air before leaving the air tool unattended.
9. Serious injury may occur from loose debris being propelled at high speeds from the compressed air stream. Always wear OSHA approved safety glasses to protect the eyes during operation of the air compressor.
- 10.** Always turn off the air compressor and drain tank pressure completely before attempting maintenance or attaching air tools. Release pressure slowly from the system.

Remove the parts and accessories from the packaging and inspect for damage. Make sure that all items in the contents are included.

Contents: • Air Palm Sander • 6 in. Sanding Pad • Dust Hose • Dust Bag
• Air Plug • Spanner



OPERATION

Selecting the correct size and type of abrasive grit is extremely important in achieving a high-quality sanded finish. Aluminum oxide, silicon carbide and other synthetic abrasive are best for power sanding. To produce the best finish possible, start with a coarse grit sanding paper and gradually change to finer and finer grit sandpapers. A final sanding with a well-worn fine sandpaper will produce a professional looking finish that in many cases will not need hand sanding.

1. Disconnect the tool from the air source.
2. Clean the backing pad free of dirt, dust and foreign matter prior to attaching the sanding disc.
3. Align the sanding disc onto the backing pad and press to attach.
4. Rest the disc pad on the workpiece, then squeeze the sander's trigger. Speed is controlled by the trigger.
5. Pass the sander back and forth in wide, overlapping areas, taking care to keep the sander moving around at all times. Let the tool do the work. The weight of the machine is normally sufficient for efficient sanding.
6. Remove the sander from the workpiece before stopping the tool.
7. Remove and empty the dust bag when partially filled. Do not wait until the bag is full as a full bag will impede the exhaust's airflow. Empty and store the bag and hose after completing the task.
8. When finished with the tool, turn off the air compressor, disconnect the air hose and discharge any residual air remaining in the tool. Put the tool away in a safe storage area.

CARE & MAINTENANCE

1. Maintain the tool with care. A tool in good condition is efficient, easier to control and will have fewer problems.
2. Inspect the tool fittings, alignment and hoses periodically. Have damaged or worn components repaired or replaced by an authorized technician. Only use identical replacement parts when servicing.
3. Follow instructions for lubricating and changing accessories.
4. Only use accessories intended for use with this tool.
5. Keep the tool clean, dry and free from oil/grease at all times.

WARNING! Only qualified service personnel should repair the tool. An improperly repaired tool may present a hazard to the user and/or others.

AIR TOOL LUBRICATION

NOTICE! Only use air tool oil to lubricate the tool. Other lubricants are not suitable and will damage the tool or cause a malfunction during use.

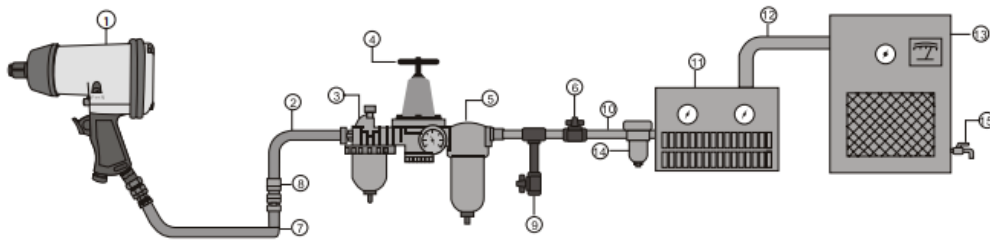
NOTICE! Never use a penetrating oil to lubricate an air tool. Penetrating oil acts as a solvent that will dissolve the tool's grease packing and may damage the o-rings , causing the tool to seize or malfunction.

1. All air tools have an internal coating of grease to prevent corrosion during shipping and storage. Remove this grease by adding a generous amount of air tool oil in the air inlet and then run the tool under no load until the exhaust is clear.
2. Manually add a drop or two of air tool oil into the tool's coupler plug before each use and after every hour of continuous use. The tool will not work properly without lubrication and parts will wear prematurely.
3. Avoid adding too much air tool oil as this can cause premature power loss and eventual tool failure. A qualified technician will need to take the tool apart and clean out the excess oil.
4. Apply a generous amount of air tool oil to the tool before storing it for an extended period of time (overnight, weekend, etc.). Run the tool for approximately 30 seconds to ensure the oil is evenly distributed throughout the tool. Store it in a clean and dry location.

DISPOSAL

Recycle a tool damaged beyond repair at the appropriate facility

AIR SYSTEM LAYOUT FOR AIR TOOLS



AIR SYSTEM LAYOUT:

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|------------------------|-------------------------------------|-----------------------------------|
| 1. Air Tool | 6. Shut Off Valve | 11. Air Dryer |
| 2. Air Hose 3/8"(I.D.) | 7. Whip Hose | 12. 1" Or Larger Pipe And Fitting |
| 3. Oiler | 8. Coupler Body And Connector | 13. Air Compressor |
| 4. Pressure Regulator | 9. Drain Daily | 14. Auto Drain |
| 5. Filter | 10. 1/2" Or Larger Pipe And Fitting | 15. Drain Daily |