EKASAND Low Profile 127 mm (5 in.) and 152 mm (6 in.) 12,000 RPM Random Orbital Sander



Declaration of conformity UNEEDA Enterprizes, Inc.

640 Chestnut Ridge Rd.; Spring Valley, NY 10977 USA

declare on our sole responsibility that the products

127 mm (5 in.) and 152 mm (6 in.) 12,000 RPM Random Orbital Sander (See "Product Configuration/Specifications" Table for particular Model) to which this declaration relates is in conformity with the following standard(s) or other normative document(s) EN ISO 15744:2002. Following the provisions of 89/392/EEC as amended by 91/368/EEC & 93/44/EEC 93/68/EEC Directives and consolidating Directive 98/37/EC

Place and date of issue

Name

Signature or equivalent marking of authorized person

Manufacturer/Supplier

UNEEDA Enterprizes, Inc 640 Chestnut Ridge Rd. Spring Valley, NY 10977 USA Tel: (845) -426-2800 Fax: (845)-426-2810

Important

Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible location.



Required Personal Safety Equipment

Safety Glasses Safety Gloves

3/8 in

Breathing Masks Ear Protection

Recommended Airline Size - Minimum

Recommended Maximum **Hose Length** 8 meters 25 feet

Air Pressure

Maximum Working Pressure 6.2 bar 90 psig Recommended Minimum NA

WARNING

10 mm

Always wear safety goggles to protect your eyes.



OIL DAILY

Oil daily for superior performance.

Operators Instructions

Includes - Please Read and Comply, Assembly Drawing of Machines, Parts List, Proper Use of Tool, Work Stations, Putting the Tool Into Service, Operating Instructions, EKASAND Service Tools and Accessories, EKASAND Back-Up Pads™, EKASAND Warranty, EKASAND Service Kit.

Important

Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe, accessible location.

Please Read and Comply With

- 1) General Industry Safety & Health Regulations, Part 1910, OSHA 2206, available from: Superintendent of Documents: Government Printing Office; Washington DC 20402
- 2) Safety Code for Portable Air Tools, ANSI B186.1 available from: American National Standards Institute, Inc.: 1430 Broadway; New York, NY 10018
- 3) State and Local Regulations.

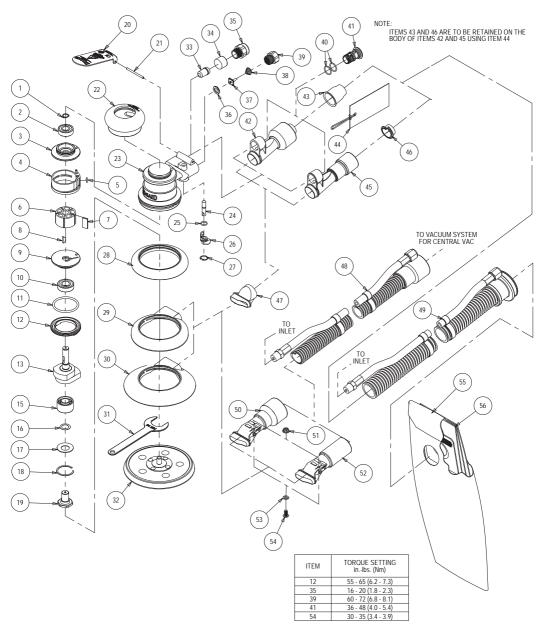
Key parts of the above regulations are excerpted below. They are not intended to be inclusive. Study and comply with all regulations.

1) TOOL INTENT - Tool shall be used only for purposes intended in its design.

- 2) AIR SUPPLY Test and operate tools at 90 PSIG (6.1 Bar) maximum unless tool is marked otherwise. Use recommended airline filters - regulators - lubricators (FRL).
 - 3) UNUSUAL SOUND or VIBRATION If tool vibrates or produces an unusual sound, repair immediately for correction.
 - 4) OPERATOR PROTECTIVE EQUIPMENT Wear goggles or face shield whenever tool is in operation. Other protective clothing shall be worn, if necessary.
 - 5) SAFETY MAINTENANCE PROGRAM Employ a safety program to provide inspection and maintenance of all phases of tool operation and air supply equipment in accordance with "Safety Code for Portable Air Tools."

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EKASAND Low Profile, 127 mm (5 in.) & 152 mm (6 in.) 12,000 RPM Random Orbital Sander



EKASAND

Item		
2 ESA1200 3 ESA5600 4 ESA7600 5 ESA2400 6 ESB5000 7 ESA0100 8 ESA1400 9 ESA4600 10 ESA9100 11 ESA5400 12 ESA1000 13 ESB6840 13 ESB6840 13 ESB7840 13 ESB7840 14 N/A 15 ESA8300 16 ESA6100 17 ESA7100 18 ESA6100 17 ESA7100 18 ESA8100 20 ESA9750 20 ESA9850 21 ESA1300 22 ESA480 22 ESA480 23 ESA6400 24 ESA600 27 ESA9300 28 ESA6800 29 ESC2700 30 ESC3700 31 ESA2200 32 NA 33 ESA6610 36 ESA9000 37 ESA7000 31 ESA6010 36 ESA9000 37 ESA7000 38 ESA64100 39 ESC3700 31 ESA2800 31 ESA2800 32 ESA6400 33 ESA6410 34 ESA6010 35 ESA6610 36 ESA9000 37 ESA7000 38 ESA4100 39 ESA3100 40 ESA4400 41 ESA6001 42 ESA0140 43 ESA6001 44 ESA1411 44 ESA9311 45 ESA9300 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900	er Description	Qty
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38 ESA4100 39 ESA3100 40 ESA4400 41 ESA6000 42 ESA0140 43 ESA8770 44 ESA1411 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA030 48 ESA230 49 ESA1140 50 ESA9900	VALVE SEAT	1
39 ESA3100 40 ESA4400 41 ESA6000 42 ESA0140 43 ESA8770 44 ESA1411 45 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0330 48 ESA2930 49 ESA1140 49 ESA1140 50 ESA9900	VALVE	1
40 ESA4400 41 ESA6000 42 ESA0140 43 ESA8770 44 ESA9311 44 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA030 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900		1
41 ESA6000 42 ESA0140 43 ESA8770 44 ESA1411 44 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0030 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900	1/4-18 NPT INLET BUSHING ASSEMBLY	1
42 ESA0140 43 ESA8770 44 ESA1411 44 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0330 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900	O-RING	2
43 ESA8770 44 ESA1411 45 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0303 48 ESA2930 49 ESA1140 49 ESA1140 50 ESA9900	SGV RETAINER ASSEMBLY FOR 1 in./28 mm HOSE SuperVAC SGV SWIVEL EXHAUST FITTING	1 1
44 ESA1411 44 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0030 49 ESA2930 49 ESA1140 49 ESA1140 50 ESA9900	1 in./28 mm HOSE SEAL	1
44 ESA9311 45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0030 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900	TAG W/INSTRUCTION FOR 1 in./28 mm HOSE SEAL	1
45 ESA9040 46 ESA4580 47 ESC8010 48 ESA0030 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900	TAG W/ INSTRUCTION FOR 3/4 in./19 mm HOSE SEAL	OPTIONAL
46 ESA4580 47 ESC8010 48 ESA0030 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900	ASSEMBLY FOR 3/4 in./19 mm HOSE SuperVAC SWIVEL EXHAUST FITTING	OPTIONAL
48 ESA0030 48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900		OPTIONAL
48 ESA2930 49 ESA2140 49 ESA1140 50 ESA9900		1
49 ESA2140 49 ESA1140 50 ESA9900	Ø 3/4 in. VAC HOSE TO Ø 3/4 in. x 1 in./28 mm ADAPTER COUPLING AND AIRLINE ASSM	OPTIONAL
49 ESA1140 50 ESA9900		OPTIONAL
50 ESA9900		1
	Ø 3/4 in. VAC HOSE TO DOUBLE BAG FITTING AND AIRLINE ASSY	OPTIONAL
		1
51 ESA8400	FLANGED NUT	1 ODTIONAL
52 ESA5020	·	OPTIONAL
53 ESA7400 54 ESA9670		1 1
54 ESA9670 55 ESC0110		1 1
56 ESC9010		1

Product Configuration/Specifications: 12,000 RPM 5 in. (127 mm) and 6 in. (150 mm)

Orbit	Vacuum Type	Pad Size in. (mm)	Model Number.	Product Net Weight Pound (kg)	Height in. (mm)	Length in. (mm)	Power HP (watts)		Air umption (LPM)	*Noise Level dBA	*Vibration Level m/s2
3/32 in. (2.5 mm)	Non- Vacuum	5 in. (127)	E00015S-1DB	1.72 (0.78)	3.27 (82.9)	5.84 (148.4)	.28 (209)	17	(481)	79	2.1
	Non-	5 in. (127)	E00015-1DB	1.78 (0.81)	3.27 (82.9)	5.89 (149.6)	.28 (209)	17	(481)	80	2.6
3/16 in.	Vacuum	6 in. (150)	E00016DB-1	1.87 (0.85)	3.26 (82.9)	6.39 (162.3)	.28 (209)	17	(481)	79	3.7
(5.0 mm)	Self- Gen Vacuum	5 in. (127)	E00035-1	1.96 (0.89)	3.45 (87.7)	6.01 (152.6)	.28 (209)	17	(481)	85	3.5
		6 in. (150)	E00036-1	2.07 (0.94)	3.26 (82.9)	6.51 (165.3)	.28 (209)	17	(481)	85	3.5

The noise test is carried out in accordance with EN ISO 15744:2002 Measurement of noise emission from hand-held non-electric power tools

The vibration test is carried out in accordance with EN 28662-1. Hand-held portable power tools – Measurement of vibration at the handle. Part 1: General and EN 28662-8, 1997. Hand-held portable power tools – Measurement of vibration at the handle. Part 8: Polishers and rotary, orbital and random orbital sanders

Specifications subject to change without prior notice.

*The values stated in the table are 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 the declared values. The actual exposure values and amount of risk or harm experienced to an individual is unique to each situation and depends upon the surrounding environment, the way in which the individual works, the particular material being worked, work station design as well as upon the exposure time and the physical condition of the user. AirVANTAGE™ cannot be held responsible for the consequences of using declared values instead of actual exposure values for any individual risk assessment.

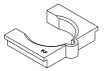
Further occupational health and safety information can be obtained from the following websites: http://europe.osha.eu.int (Europe) http://www.osha.gov (USA)

EKASAND Service Tools and Accessories

When an EKASAND LP ROS needs to be serviced, we offer a tool kit to make the disassembly/assembly fast and easy. The Service Tools are highly recommended for use with the Overhaul Service Kit. NOTICE: To receive any expressed or implied warranty, the tool must be repaired by an authorized EKASAND Service Center.







T-7 Soft Collar



T-8 Motor Face Plate Bearing Removal Tool



T-13 Bearing Press Tool



T-9 Bearing Puller



T-1 Bearing Press Tool

ESA9740 Universal Service Tool Kit

EKASAND Back-Up Pads

EKASAND back-up pads are perfectly mated for use on the EKASAND LP. Constructed from premium, industrial-quality materials and featuring a riveted fiberglass and steel hub with molded urethane, their durability and precise construction are the ideal complement to the performance of the EKASAND LP.

Description	Part#
EKASAND 5" low profile, nv, v	vinyl face 2550100
EKASAND 5" low profile, nv, I	hook face 2550101
EKASAND 5" tapered edge, r	nv, vinyl face 2550300
EKASAND 5" tapered edge, r	nv, hook face 2550301
EKASAND 5" low profile, vac	, vinyl face 2550110
EKASAND 5" low profile, vac	, hook face 2550111
EKASAND 5" tapered edge, v	vac, vinyl face 2550310
EKASAND 5" tapered edge, v	vac, hook face 2550311
EKASAND 6" low profile, nv,	vinyl face 2560100
EKASAND 6" low profile, nv, I	hook face 2560101
EKASAND 6" tapered edge, r	nv, vinyl face 2560300
EKASAND 6" tapered edge, r	nv, hook face 2560301
EKASAND 6" low profile, vac	, vinyl face 2560110
EKASAND 6" low profile, vac	, hook face 2560111
EKASAND 6" tapered edge, v	vac, vinyl face 2560310
EKASAND 6" tapered edge, v	ac, hook face 2560311

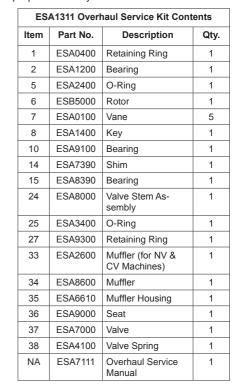
EKASAND Warranty

All EKASAND Random Orbital Sanders are warranted for defects in materials or workmanship for 1 year following the date of delivery to the user. Combined with the EKASAND name, this Warranty expresses our total confidence in the superior quality, durability, and performance of the EKASAND LP.

EKASAND Overhaul Service Kit

The ESA1311 EKASAND Overhaul Service Kit contains all the replacement parts that naturally wear over time and a straightforward manual to make servicing an EKASAND sander simple.

Overhauling the Random Orbital Sander can be made even easier with the use of the above Service Tools. The Service Tools also reduce the chance of improper assembly.



Proper Use of Tool

This sander is designed for sanding all types of materials i.e. metals, wood, stone, plastics, etc. using abrasive designed for this purpose. Do not use this sander for any other purpose than that specified without consulting the manufacturer or the manufacturer's authorized supplier.

Do not use back-up pads that have a working speed less than 12,000 RPM free speed.

Work Station

The tool is intended to be operated as a hand held tool. It is always recommended that the tool be used when standing on a solid floor. It can be in any position but before any such use, the operator must be in a secure position having a firm grip and footing and be aware that the sander can develop a torque reaction. See the section "Operating Instructions".

Putting the Tool into Service

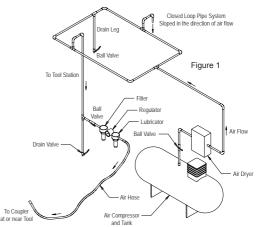
Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 PSI/6.1 Bar when the tool is running with the lever fully depressed. It is recommended to use an approved 3/8 in./10 mm x 25 ft./8 meter maximum length airline. It is recommended that the tool be connected to the air supply as shown in Figure 1. Do not connect the tool to the airline system without incorporating an easy to reach and operate air shut off valve. The air supply should be lubricated. It is strongly recommended that an air filter, regulator and lubricator (FRL) be used as shown in Figure 1 as this will supply clean, lubricated air at the correct pressure to the tool. Details of such equipment can be obtained from your supplier. If such equipment is not used then the tool should be lubricated by shutting off the air supply to the tool, depressurizing the line by pressing the lever on the tool. Disconnect the airline and put 2 to 3 drops of a suitable pneumatic motor lubricating oil, preferably incorporating a rust inhibitor into the hose end (inlet) of the machine. Reconnect tool to air supply and run tool slowly for a few seconds to allow air to circulate the oil. If tool is used frequently lubricate on daily basis and if tool starts to slow or lose power.

It is recommended that the air pressure at the tool be 90 PSI/6.1 Bar while the tool is running so the maximum RPM is not exceeded. The tool can be run at lower pressures but should never be run higher than 90 PSI/6.1 Bars. If run at lower pressure the performance of the tool is reduced.

Operating Instructions

- Read all instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules. All service and repair must be carried out by trained personnel.
- Make sure the tool is disconnected from the air supply. Select a suitable abrasive and secure it to the back-up pad. Be careful and center the abrasive on the back-up pad.

- When sanding always place the tool on the work then start the tool. Always remove the tool from the work before stopping. This will prevent gouging of the work due to excess speed of the abrasive.
- Always remove the air supply to the sander before fitting, adjusting or removing the abrasive or back-up pad.
- Always adopt a firm footing and/or position and be aware of torque reaction developed by the sander.
- Use only correct spare parts.
- Always ensure that the material to be sanded is firmly fixed to prevent its movement.
- 8) Check hose and fittings regularly for wear. Do not carry the tool by its hose, always be careful to prevent the tool from being started when carrying the tool with the air supply connected.
- Do not exceed maximum recommended air pressure.
- 10) Dust can be highly combustible. Vacuum dust collection bag should be cleaned or replaced daily. Cleaning or replacing of bag also assures optimum performance.
- 11) Use safety equipment as recommended.
- 12) The tool is not electrically insulated. Do not use where there is a possibility of coming into contact with live electricity, gas pipes, water pipes, etc. Check the area of operation before operation.
- 13) Take care to avoid entanglement with the moving parts of the tool with clothing, ties, hair, cleaning rags, etc. If entangled, it will cause the body to be pulled towards the work and moving parts of the machine and can be very dangerous.
- Keep hands clear of the spinning pad during use.
- 15) If the tool appears to malfunction, remove from use immediately and arrange for service and repair.
- 16) Do not allow the tool to free speed without taking precautions to protect any persons or objects from the loss of the abrasive or pad.



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