

OPERATOR’S MANUAL FOR RPROFILE

10,000 OPM 3 x 4 in. (75 x 100 mm) ORBITAL SANDERS

Declaration of conformity declare on our sole responsibility that the products 3 in. x 4 in. 10,000 OPM Orbital Sanders (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 15744:2008. Following the provisions of 89/392/EEC as amended by 91/368/EEC & 93/44/EEC 93/68/EEC Directives and consolidating Directive 2006/42/EC		
Operator Instructions includes – Please Read and Comply, Proper Use of Tool, AV Warranty, Parts Page, Parts List, Product Configuration and Specifications Table, Work Stations, Putting the Tool Into Service, Operating Instructions, Back-Up Pads.	Important Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible location.	CE
Required Personal Safety Equipment Safety Glasses Breathing Masks Safety Gloves Ear Protection		
Recommended Airline Size - Minimum 10 mm3/8 in	Recommended Maximum Hose Length 8 meters25 feet	Air Pressure Maximum Working Pressure 6.2 bar 90 psig Recommended Minimum NA NA

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, New York 10018
- 3) State and Local Regulations.

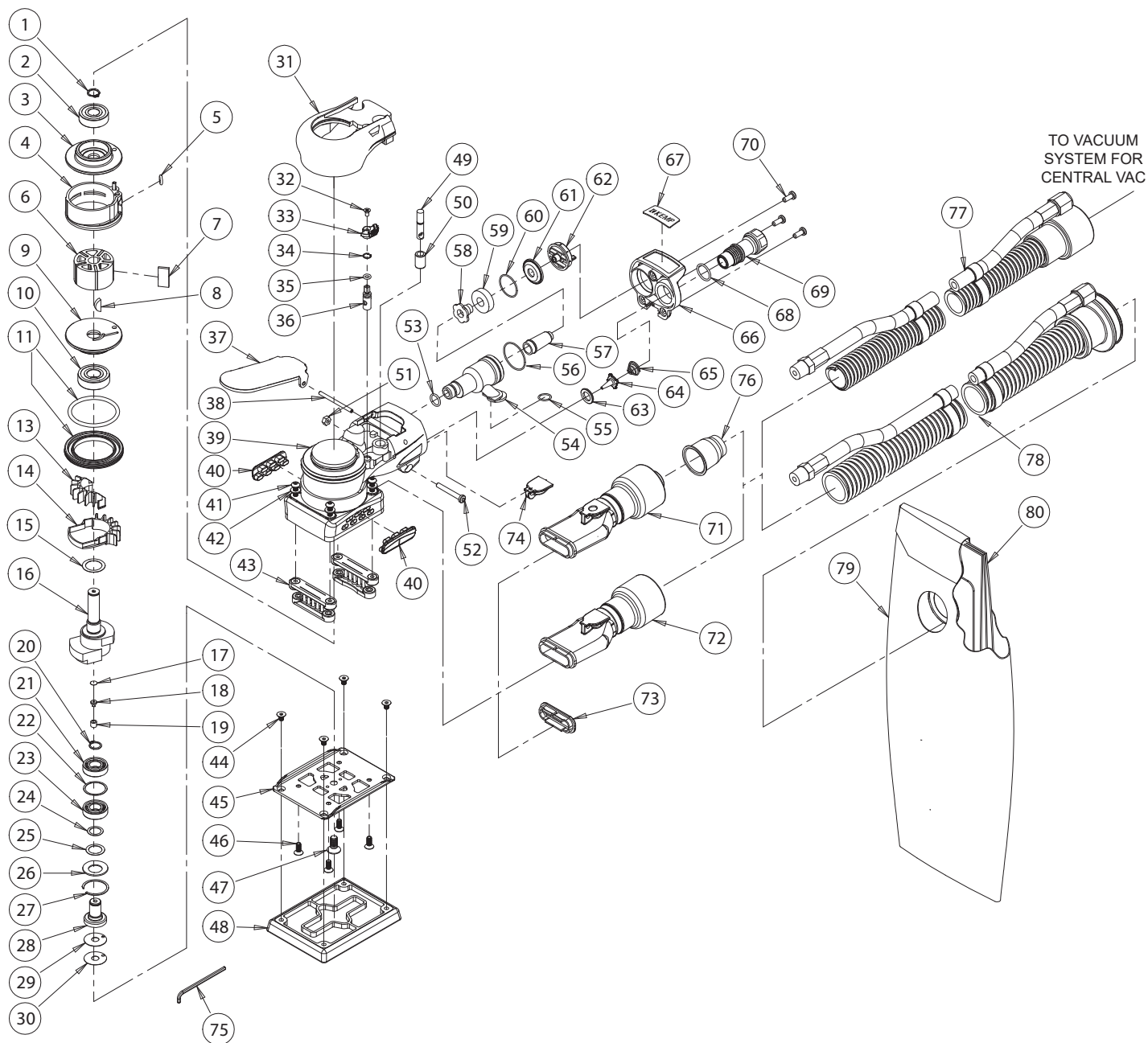
Proper Use of Tool

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 10,000 OPM free speed. Never use back-up pads that have a weight and/or size different than the machine was specifically designed for.

The Warranty

The Orbital Sanders are warranted for defects in materials or workmanship for one year from the date of delivery to the user. This Warranty expresses our total confidence in the superior quality, durability, and performance of the Orbital Sander. To receive warranty, tools must be operated under the conditions as described in the “Putting the Tools into Service” section of this document and be connected to any expressed or implied warranty, tool must be repaired by an authorized Service Center. To receive an air supply system as shown in Figure 1. Tools that have been exposed to extreme conditions will be covered under warranty at the sole discretion.



Item No.	Part No.	Description	Qty.
1	151 05 401 001	EXTERNAL RETAINING RING	1
2	151 05 401 002	BEARING - 6000ZZ	1
3	151 05 401 003	REAR ENDPLATE	1
4	151 05 401 004	CYLINDER ASSEMBLY	1
5	151 05 401 005	O-RING	1
6	151 05 401 006	MACHINED ROTOR	1
7	151 05 401 007	VANE	5
8	151 05 401 008	WOODRUFF KEY	1
9	151 05 401 009	FRONT ENDPLATE	1
10	151 05 401 010	BEARING	1
11	151 05 401 011	LOCK RING ASSEMBLY	1
13	151 05 401 013	3x4 in. COOLING FAN	1
14	151 05 401 014	3x4 in. COOLING FAN	1
15	151 05 401 015	FRONT BEARING DUST SHIELD	1
16	151 05 401 016	3x4"-1/8"ORBIT OS AirSHIELD PLUS SHAFT BALANCER	1
17	151 05 401 017	FILTER MATERIAL	1
18	151 05 401 018	DUCKBILL CHECK VALVE	1
19	151 05 401 019	VALVE RETAINER	1
20	151 05 401 020	RETAINING RING	1
21	151 05 401 021	BEARING	1
22	151 05 401 022	SPACER	1
23	151 05 401 023	BEARING	1
24	151 05 401 024	SPACER	1
25	151 05 401 025	SPINDLE BEARING DUST SHIELD	1
26	151 05 401 026	BELLEVILLE WASHER	1
27	151 05 401 027	RETAINING RING	1
28	151 05 401 028	SPINDLE	1
29	151 05 401 029	SPACER (0.4T)	1
30	151 05 401 030	SPACER (0.2T)	1
31	151 05 401 031	GRIP (PMS Black)(69mm)	1
32	151 05 401 032	HEX SOCKET HEADLESS SET SCREW (M3x6)	1
33	151 05 401 033	SPEED CONTROL	1
34	151 05 401 034	INVERTED RETAINING RING (IN)	1
35	151 05 401 035	O-RING (4x1.5)	1
36	151 05 401 036	SPEED CONTROL	1
37	151 05 401 037	LEVER FOR (1/8in. ORBIT)	1
38	151 05 401 038	LEVER SPRING PIN	1
39	151 05 401 039	MACHINED HOUSING	1
40	151 05 401 040	3" x 4" SIDE COVER (Black)	2
41	151 05 401 041	HEX SOCKET BUTTON HEAD MACHINE SCREW (M4x12)	4
42	151 05 401 042	WASHER (M4)	4
43	151 05 401 043	MINI PAD SUPPORT ASSEMBLY (3" x 4")	2
44	151 05 401 044	HEX SOCKET COUNTERSUNK HEAD MACHINE SCREW (M4x6)	4
45	151 05 401 045	MACHINED 3x4" PAD BACKING FOR FASTENER MOUNTED PADS	1
46	151 05 401 046	HEX SOCKET COUNTERSUNK HEAD MACHINE SCREW (M4x10)	4
47	151 05 401 047	SOCKET FLAT COUNTER SUNK MACHINE SCREW (M6x14)	1
48	ACCESSORIES	1 PAD SUPPLIED WITH EACH TOOL	OPT
49	151 05 401 049	VALVE STEM ASSEMBLY	1
50	151 05 401 050	VALVE SLEEVE	1
51	151 05 401 051	Hex. Nut (M4)	1
52	151 05 401 052	HEX.SOCKET BUTTON HEAD SCREW (M4x30)	1
53	151 05 401 053	O-RING (9x1.5mm)	1
54	151 05 401 054	EXHAUST CHAMBER	1
55	151 05 401 055	O-RING (9.5x1mm)	1
56	151 05 401 056	O-RING (24x1mm)	1
57	151 05 401 057	MUFFLER	1
58	151 05 401 058	MUFFLER COVER	1
59	151 05 401 059	MUFFLER O8.5*O21*T6mm	1
60	151 05 401 060	O-RING(O/R 20*1 N70)	1
61	151 05 401 061	EXHAUST CAP,BUFFER	1
62	151 05 401 062	VARIABLE EXHAUST	1
63	151 05 401 063	VALVE SEAT	1
64	151 05 401 064	VALVE	1
65	151 05 401 065	VALVE SPRING	1
66	151 05 401 066	END CAP	1
67	NA	KEMP LOGO INSERT - END CAP	1
68	151 05 401 068	14.0x1.5 O-RING	1
69	151 05 401 069	INLET BUSHING ASSEMBLY ELITE	1
70	151 05 401 070	HEX.SOCKET BUTTON HEAD SCREW (M4x10)	3
71	151 05 401 071	3" x 4" SGV SWIVEL EXHAUST FITTING ASSEMBLY	OPT
72	151 05 401 072	3" x 4" CV SWIVEL EXHAUST FITTING ASSEMBLY	OPT
73	151 05 401 073	SNAP-IN VAC COVER PLATE	1
74	151 05 401 074	SNAP-IN VAC COVER PLATE (NV)	1
75	151 05 401 075	2.5mm HEX WRENCH	1
76	151 05 401 076	1"/28mm HOSE SEAL	1
77	151 05 401 077	1" VAC HOSE TO 1" x1 1/2"ADAPTOR COUPLING & AIRLINE ASSEM	OPT
78	151 05 401 078	1" VAC HOSE TO DOUBLE BAG FITTING AND AIRLINE ASSY	OPT
79	150 05 501 067	VACUUM BAG	1
80	150 05 501 068	VACUUM BAG INSERT	1

Work Stations

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 psig (6.2 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 m) 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 manually lubricated.

To manually lubricate the tool, disconnect the airline and put 2 to 3 drops of suitable pneumatic motor lubricating oil such as Fuji Kosan FK-20, Mobil ALMO 525 or Shell TORCULA® 32 into the hose end (inlet) of the machine. Reconnect tool to the air supply and run tool slowly for a few seconds to allow air to circulate the oil. If the tool is used frequently, lubricate it on a daily basis or lubricate it if the tool starts to slow or lose power.

It is recommended that the air pressure at the tool be 90 PSI (6.2 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 (6.2 Bar). If run at lower pressure the performance of the tool is reduced.

Operating Instructions

- 1) 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.
- 2) 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.
- 3) Always wear required safety equipment when using this tool.
- 4) 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.
- 5) Always remove the air supply to the sander before fitting, adjusting or removing the abrasive or back-up pad.
- 6) Always adopt a firm footing and/or position and be aware of torque reaction developed by the sander.
- 7) Use only correct spare parts.
- 8) Always ensure that the material to be sanded is firmly fixed to prevent its movement.
- 9) 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.

- 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) Do not exceed maximum recommended air pressure. 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.
- 14) 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.

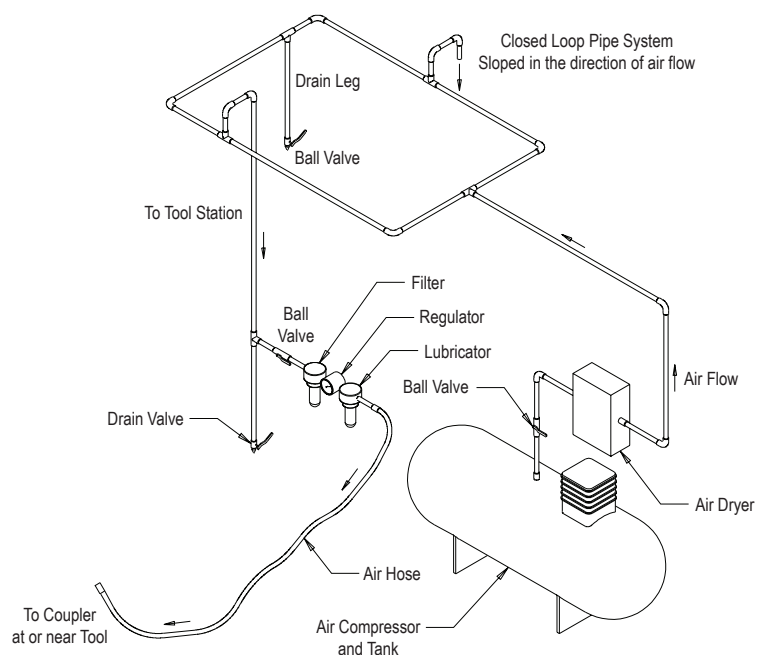


Figure 1