Everything for the Stone Industry

ROCK DOG ROUTER

Specifications:

- Spindle: Stainless steel
- Rotation speeds: 9,000 rpm
- Tool holder diameter: 22.2 mm
- Rise and fall: 30mm (1.18'')
- Frame: 1 Piece Aluminum housing
- Power: 2.4 HP
- Supply tensions: 220V/ 60Hz/ single phase
- Thermal overload safety cut-out
- Base: Aquaplaning system
- Machine: length: 22”, width: 13.7”, height: 15''
- Power cord: 20 feet 12 gauge AWF w/ground
- Machine weight: 77 lbs
- Packed wooden case: 23 ½” x 15 ¾” x 19 ½”
- Shipping weight: 100lbs

ROCK DOG ROUTER OWNER'S MANUAL FOR USE AND MAINTENANCE

PLEASE READ THE SAFETY INSTRUCTIONS CAREFULLY BEFORE USING YOUR ROCK DOG PROFILING MACHINE. MAKE SURE TO KEEP THIS HANDBOOK IN A SAFE PLACE AND IN A GOOD CONDITION FOR THE FUTURE REFERENCE, DISREGARDING INSTRUCTIONS IN THIS MANUAL IN THIS MANUAL COULD RESULT IN INJURY OF PEOPLE OR EQUIPMENT. THE MANUFACTURER IS NOT RESPONSIBLE FOR PROBLEMS ARISING FROM NEGLECT OF INSTRUCTIONS OR MISUSE OF EQUIPMENT.

1. INTRODUCTION

The portable shape-milling machine Rock Dog Router has been designed and built for milling, shaping and polishing the edges of slabs of marble, granite or other stone materials in various profiles and thicknesses, safely and in compliance with current safety standards.

2. GENERAL OPERATING INSTRUCTIONS

- Do not remove any labels and/or instructions attached to the equipment for any reason. They contain important information about the use and safe operation on the machine.
- Improper use, unauthorized repair and/or any other kind of modification to the machine may cause dangerous working conditions, and shall automatically void any warranty rights. Improper use means the use of the machine under working conditions which are not in the conformity with the instructions in this manual and which would be dangerous to operator or to bystanders.
- Do not block motor cooling vent. Blocking the vent could result in motor damage.
- Machine operator should wear personal protective equipment according to standard safety and accident prevention precautions.
- Disconnect the machine's electrical supply when not in use.
- Keep your workstation clean and organized to reduce the risk of accidents and injuries.

3. INSTRUCTIONS FOR CONNECTING THE POWER SUPPLY

- The safe use of the electrical equipment requires adherence to fundamental safety precautions:
- Do not use the equipment barefooted or without insulated footwear.
- Do not remove the electrical plug from an outlet by pulling on the electrical cord;
- Outdoor use is not recommended. Protect the machine from rain and store the machine in the dry place;
- Extreme caution and care must be observed when using any extension cord connected to the machine's electrical cord.
- If an extension cord must be used, make sure that it is of adequate wire size to carry the required voltage/ current safety (Extension cord wire diameter must be proportionally larger than the machine's electrical cord, according to its length. If wire size not adequate, each additional meter of extension cord shall cause a loss of voltage, which could damage the motor.);
- In general, the use of adapters and multiple jacks is not advised. If they are necessary, only use simple adapters or multiple jacks complying with the latest safety standards.
- Take care not to exceed the top limit of stated electrical supply and maximum power on the devices;
- Keep children away from working area and do not let untrained or unauthorized persons use the machine; Electrical safety of the machine is guaranteed only if it has been connected to an electrical system equipped with regular grounding and a ground fault interrupter according to electrical safety requirements;
- Please make sure connecting the machine to the adequate electrical supply required for maximum motor performance.
- Power supply an outlet must meet motor requirements and machine capacity as stated on the accompanying wiring diagram.

4. INSTRUCTIONS FOR CONNECTING THE WATER SUPPLY

Make sure the water pressure is high enough to allow a smooth aquaplaning of the machine. The water supply must deliver a minimum pressure of 60 PSI and flow capacity of least 4 Gallons per minute (15 liters/min.).

Easy test can be done: Put the machine on a slab in working position open the water supply, open first (back) valve completely adjust second (front) valve so the tool has adequate water-cooling in working conditions. Now, let go the machine if the machine begins to float from alone, the water pressure is ok for use.

Scratches could appear on the slab by lack of water pressure!

If the machine is too low to the slab, little stone particles cannot pass and will scratch the surface. If low water pressure or to take extra safety precautions, adding a piece of plexiglass to the top can help prevent scratches

5. INSTRUCTIONS FOR MACHINE USE

- Make sure the tool guard is correctly installed and securely attached before starting. Do not use the machine without the tool guard installed.
- Use the machine only on polished surfaces!
- Keep hands away from tools. Do not reach underneath work and do not attempt to remove any cut material while tool is in operation;
- Before fitting any tool on the spindle, make sure that all surfaces are completely clean. Do not use tools with incorrect-sized holes;
- Make sure that all rotating tools are perfectly balanced and never use a tool if it is cracked, bend or damaged;
- If spare parts are required, use original equipment spare parts only.

6. PREPARING THE MACHINE FOR OPERATION

I. General notes of delivery

In case of damaged or missing parts, do not use the machine. Inform the freight company as well as the seller immediately.

Open the case and carefully remove all transport bolts fastening the machine to the base.

Do not leave packing elements (foam polystyrene, bags or plastic materials, nylon, etc.) within children's reach as they present a suffocation hazard.

The machine is equipped by the manufacturer with:

- Bolts and washers for fitting the tools;
- Owner's operating manual;
- Transparent tool guard protection that attached to the front of the machine.

II. Installation

Install the machine in a safe, appropriate work area. Do not leave machine unattended within reach of children, and keep it protected from damp conditions. Do not expose machine to rain or water sprayed from other nearby machines in use. The machine must be always used on a stable work surface, under which a proper drain fall or adequate waste line should be set to let Plug the machine power cord into an appropriate 220V **grounded** receptacle.

III. Connection to water supply

Connect one end of a flexible water hose of ½ inch (12 mm) diameter inside to your water supply (which must be equipped with a shut-off) and connect the other end to the male quick-connect hose fitting which comes with the machine. The water shut-off allows you to turn off the water flow when the unit is temporarily not in use, and during tool replacement.

The water supply must deliver a minimum pressure of 60 PSI and flow capacity of least 4 Gallons per minute (15 liters/min.). It's recommended to use clean water to ensure better machine performance. Easy test can be done: Put the machine on a slab in working position open the water supply, open first (back) valve completely adjust second (front) valve so the tool has adequate water-cooling in working conditions. Now, let go the machine if the machine begins to float from alone, the water pressure is ok for use. Please be advised that water lubrication of all tools is very important in order to assure maximum production and to achieve good shape-milling results.

Therefore, it is necessary that the flexible water hoses, which can be aimed in any direction, be properly positioned to spray directly on the tools point of contact with the stonework surface, following the rotation direction of the spindle.

The water supply shut-off valve must always be closed when the machine is not in use, particularly at the end of every workday.

IV. Electrical connection

A qualified electrician should perform any electrical connections. Before making any electrical connections, confirm that the data indicated on the identification plate corresponds exactly to your power supply, and that the circuit protection is adequate to operate the equipment. To avoid risk of overheating and short circuits, do not use adaptors and/or extension cords with this equipment.

The machine has been designed to run on a 220V, 60Hz, single-phase grounded power supply.

The emergency stop push-button must be pressed as soon as any dangerous situation with the machine occurs. This safety feature instantly stops the machine by interrupting the power to the motor. Before restarting the machine after an emergency stop, turn the emergency off.

7. OPERATION

I. According to standard accident prevention precautions

Wear approved safety clothing in good condition and, in particular, overalls or other comfortable garments, sized to prevent the risk of entanglement in moving machinery. Wearing anti-slip rubber boots is highly recommended.

The operator is responsible for the correct use, adjustment, cleaning and maintenance of the machine. The operator should be professionally qualified with specific training or experience in the use of shape-milling equipment, and capable of recognizing and preventing possible dangerous situations while using the machine.

II. Starting the machine

- Fasten the slab, the weight of the machine could overturn the slab.
- Fasten the appropriate tool to the machine using the wrenches and bolts supplied, by fitting the tool (22.2mm hole diam.) onto the spindle. Make sure that it firmly contacts the shoulder of the spindle shaft.
- Open the water, back valve completely, front valve only slightly to cool the tool, opening too much could stop the aquaplaning system to work properly and make scratches on the slab. While working the water stream should follow the clockwise rotation of the tool.
- Start machine and adjust the tool: Rotate the knob in a clockwise direction to raise, and counterclockwise to lower the tool. ONLY adjust the tool by turning spindle, to avoid damaging the adjusting system.
- The operator should control the machine using two hands, one on the front and one on the rear handle.

8. MAINTENANCE AND CLEANING

Clean the machine after work. Improper maintenance or lack of maintenance could cause injures to the operator and bystanders. Repair defects promptly, before the machine is used again.

I. Daily maintenance

General cleaning of the machine on a daily basis is recommended. Wash carefully with a damp sponge (do not use any corrosive or flammable agents).

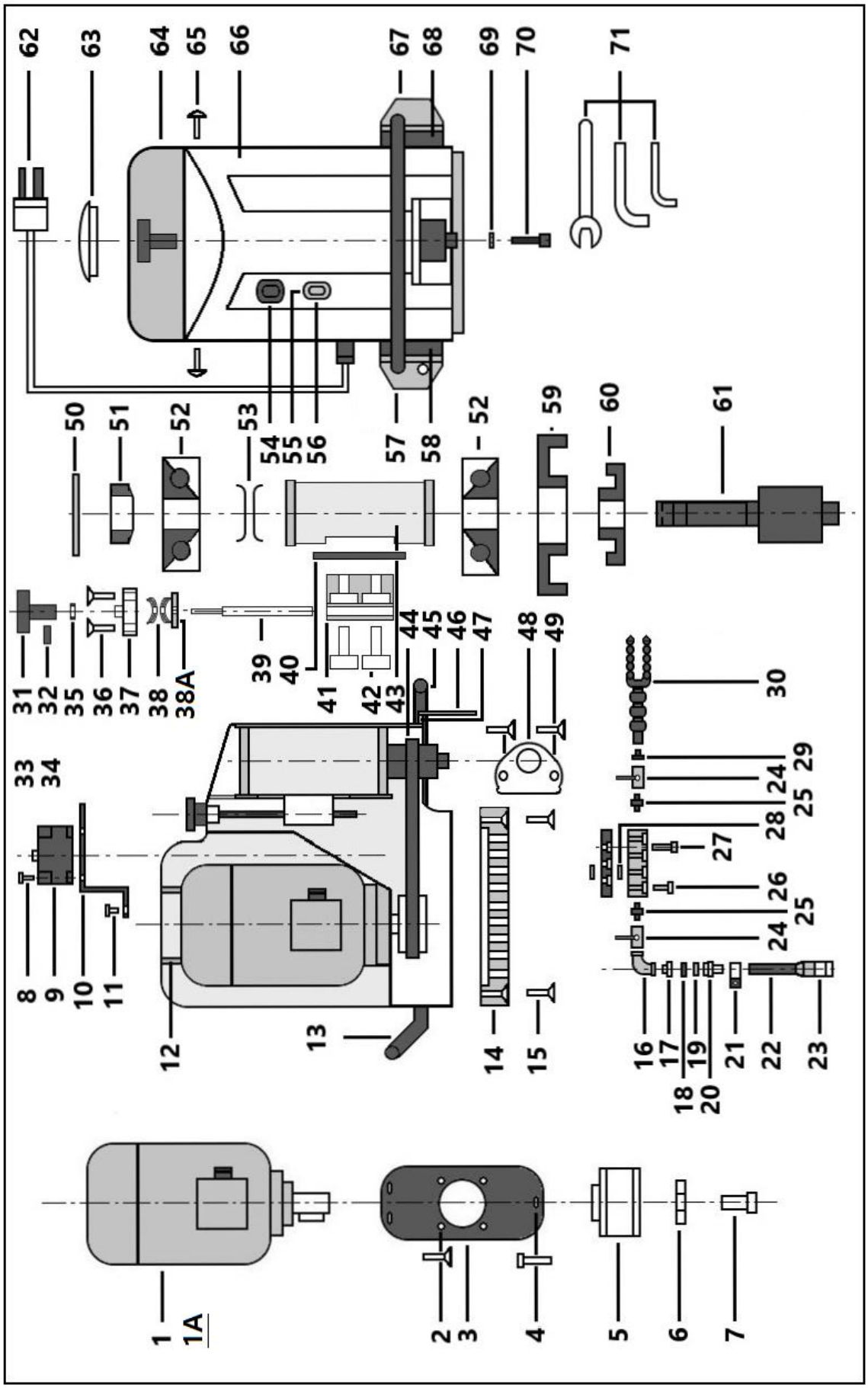
II. Monthly maintenance

- Inspect the belt and, if necessary, tighten it by adjusting the bolts placed on the motor-mounting plate. Be sure to retighten bolts before operating the machine.
- Check the condition of the machine and replace any damaged or worn parts.
- Clean the water filter as unwinding the upper part and rinse the filtering net.

9. SPARE PARTS SPECIFICATION

№	DENOMINATION	ITEM №	PCS.
1	ELECTRIC DRIVE MOTOR – MR90C/2 INCL. CAPACITOR	P2019.401	1
1A	CAPACITOR	P2019.402	1
2	SCREW – M6X10	P2019.103	4
3	DRIVE MOTOR PLATE	P2019.104	1
4	BOLT – M8X20	P2019.105	3
5	PULLEY – Ø97	P2019.206	1
6	WASHER – Ø6XØ26	P2019.107	1
7	SCREW – M6X16	P2019.108	1
8	SCREW – M4X20	P2019.109	2
9	CONTACTOR – LT1-D	P2019.110	1
10	CONTACTOR PLATE	P2019.111	1
11	SCREW – M5X12	P2019.112	2
12	SEPORATER	P2019.213	1
13	BACK HANDLE	P2019.114	1
14	HYDROPLANING PLATE	P2019.115	1
15	SCREW – M6X20	P2019.116	14
16	KNEE – 3/8"	P2019.117	1
17	FILTER	P2019.118	1
18	FILTER MESH	P2019.119	1
19	SEAL	P2019.120	1
20	NIPPLE	P2019.121	1
21	CLAMP	P2019.122	1
22	RUBBER HOSE	P2019.123	1
23	QUICK CONNECTION	P2019.124	1
24	SPHERICAL VALVE – 3/8"	P2019.125	1
25	NIPPLE	P2019.126	1
26	BOLT – M6X30	P2019.127	8
27	NIPPLE	P2019.126	1
28	SEAL – 10X3	P2019.128	2
29	BOLT – M8X20	P2019.129	6
30	SPHERICAL VALVE – 3/8"	P2019.125	1
31	BLEND	P2019.130	1
32	HINGED WATER SUPPLY	P2019.131	1
33	KNOB "UP - DOWN"	P2019.132	1
34	STOP SCREW – M5X10	P2019.133	1
35	WASHER – Ø8	P2019.134	1
36	SCREW – M6X20	P2019.116	2

№	DENOMINATION	ITEM №	PCS.
37	PIN BEARING BLOCK	P2019.135	1
38	PLATE SPRING	P2019.136	2
38A	WIDE WASHER – Ø8X20	P2019. 134A	1
39	PIN	P2019.137	1
40	RUBBER SEAL	P2019.140	1
41	SPINDLE MOOVING BLOCK	P2019.138	1
42	SCREW – M6X20	P2019.116	2
43	SPINDLE HOUSING	P2019.139	1
44	BELT – 630X20X1.7	P2019.341	1
45	FRONT HANDLE	P2019.142	1
46	WATER PROTECTION	P2019.143	1
47	WATER PROTECTION HOLDER	P2019.144	1
48	COVER	P2019.145	1
49	SCREW – M4X8	P2019.146	2
50	SPINDEL COVER	P2019.147	1
51	SPINDEL NUT	P2019.148	1
52	BEARING – 7206C	P2019.149	2
53	PLATE SPRING	P2019.136	2
54	STOP BUTTON	P2019.150	1
55	START BUTTON	P2019.151	1
56	PROTECTION COVER	P2019.152	1
57	LEFT OUTER BLOCK	P2019.153	1
58	LEFT INNER BLOCK	P2019.154	1
59	LABYRINTH NUT	P2019.155	1
60	LABYRINTH	P2019.156	1
61	SPINDLE	P2019.157	1
62	POWER SUPPLY CORD	P2019.158	1
63	SATELIT	P2019.259	1
64	COVER	P2019.160	1
65	SCREW – M4X12 DECORATION	P2019.161	7
66	BODY	P2019.262	1
67	RIGHT OUTER BLOCK	P2019.163	1
68	RIGHT INNER BLOCK	P2019.164	1
69	WASHER – Ø10	P2019.165	2
70	BOLT – M10X30 /50/	P2019.166	2
71	SET OF WRENCHES	P2019.167	1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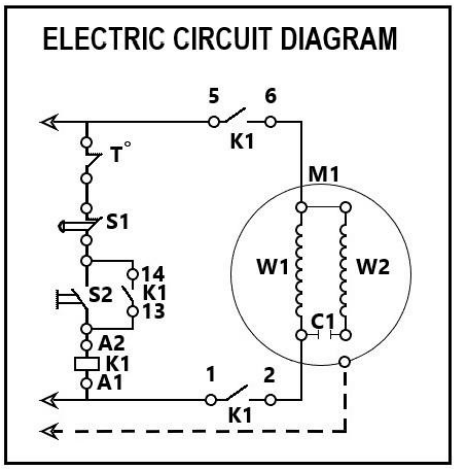

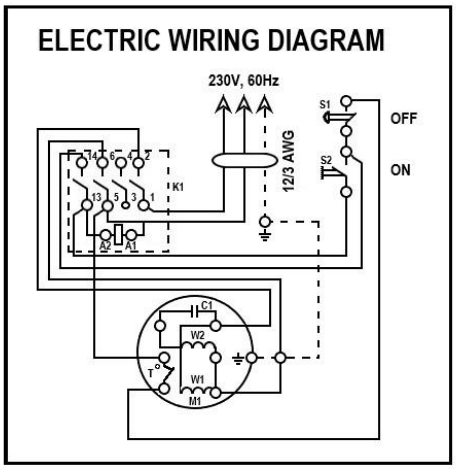

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