

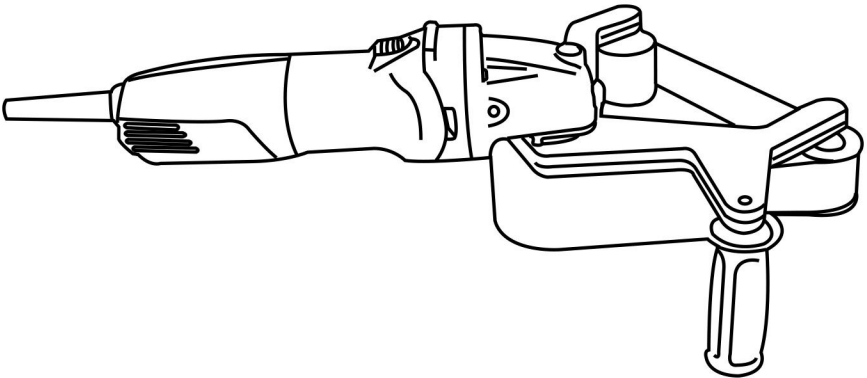


# **PIPE POLISHER**

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# **VARIABLE SPEED**

## **OPERATING MANUAL**



**HPG-331**

Voltage: 120V, 60Hz

Power: 800 Watts

Speed: 700-3000 RPM

Belt Size: 1-1/2" x 30"

**SPECIFIED APPLICATIONS**

This wraparound tube sander is recommended to be used for glazing, derusting, texturing, and high gloss polishing of stainless steel and other materials.

Operator of the tool bears the sole responsibility for any damage caused by improper use. Generally accepted accident prevention regulations and the instructions contained in this manual must always be observed.

**GENERAL SAFETY**

Read all safety warnings and instructions. Failure to follow the warnings and/or instructions may result in electrocution, fire hazard and/or serious personal injury. The term POWER TOOL in this manual refers to all corded and cordless power tools.

**WORK AREA**

- a) Keep the working space well lit, clean and adequate for power tool usage. Inadequate light and clutter work spaces can invite hazards.
- b) Make sure that there aren't any flammable or combustible liquids or gases in the work environment such as lacquer, paint, benzene, thinner, gasoline and adhesive agents. Presence of these materials in the working environment may cause sparks which can result in fire hazard.
- c) Keep children and visitors away from the working area and your power tools and equipment to avoid any accidents.

**ELECTRICAL SAFETY**

- a) Ensure that outlet is compatible with power tool plug. Do not modify the plug to make it work and never use any adapter plugs with grounded power tools. Compatibility between outlet and plug will minimize the risk of electrocution.
- b) Don't let your body parts get in contact with parts of the power tool or equipment including radiators, pipes, ranges and refrigeration enclosures. If your body is earthed or grounded, the risk of electrocution becomes high.
- c) Never expose power tools to rain or water and never store them in damp areas. Moisture entering your power tool will pose increased risk of electrocution.
- d) Never abuse the electrical cord of the tool. Do not pull it to unplug the tool. Keep cord away from heat, oil, sharp corners and moving parts. Entangled or damaged cords increase the chances of electrocution hazard.
- e) When working outdoors, you may need extension cords to increase your tool's reach. In such situations, only use cords made and marked for outdoor usage.
- f) If you must operate a power tool in wet or damp work area, use a Ground Fault Circuit Interrupter (GFCI) protected power supply. It will decrease the risk of electrocution.

**PERSONAL SAFETY**

- a) Be on the alert during power tool operation and always know what you are doing. Never use a power tool under the influence of drugs, medication or alcohol. Momentary lack of focus can invite serious hazards when operating power tools.
- b) Always use appropriate personal protective equipment. Use eye protection, dust mask, non skid safety shoes, hard hat and/or hearing protection when conditions warrant them. This will significantly reduce the risk of personal injury.
- c) Never roam around with the tool plugged in and your finger on the trigger to avoid accidental starts. Switch it off after every use. Before picking up or connecting your tool to a power source, ensure it is turned off.
- d) Make it a habit to check and remove any wrenches or keys from the tool before turning it on. Mounted key or wrench can cause serious damage.
- e) Never try to overreach. Keep your posture comfortable and balanced at all times so you can manage unexpected situations.
- f) Keep loose clothing, body parts and hair away from the parts of the tool. It's recommended to use protective hair covering.
- g) If there are devices provided for dust extraction and collection, make sure they are properly connected and functional. Use of dust collection systems can decrease the risk of dust related hazards.

## POWER TOOL SAFETY & CARE

- a) Don't try to extract additional performance from the tool by exerting force. Let the power tool achieve its optimal performance naturally. Always use the power tool that is appropriately powerful and adequate for the job at hand.
- b) Never use the tool if its switch doesn't work. Get it repaired or replaced from an authorized service center. Unreliable switch can prove to be dangerous.
- c) Before storing the tool, making any replacements or periodical maintenance, unplug the tool from the power source. This minimizes the risk of accidental starts.
- d) Power tools that are not in use shall be kept in a safe place where they are not accessible to children. Never allow any person to operate a power tool who is unfamiliar with these instructions. Power tools in the hands of untrained operators are open invitation to accidents.
- e) Check your tool for alignment and binding of moving parts, damaged parts, mounting and any other flaws that might affect the operation of your tool. Maintain your tools with care and repair or replace when necessary.
- f) Always use the power tool and its accessories according to the instructions provided in this manual, nature of your job and working conditions. Using a power tool that's not compatible with any of the aforementioned criteria may result in a hazard.

## SERVICE

Get your power tool serviced by an authorized service center or a qualified person. When servicing only use identical replacement parts. This will ensure the safe and efficient operation of your power tool.

## SPECIFICATION

Voltage: 120V | 60 Hz

Power: 800 Watts

Speed: 700-3000 RPM

BeltSize: 1.5" x 30"

## INSTALLATION INSTRUCTIONS

Installing and removing the abrasive belt

1. Disconnect the tool from power source.  
As shown in figure: Push the tension arm (1) upward as indicated by the arrow to release and take out the old belt.
2. To attach a new belt (2), put it around the three pulleys.



### Parts:

1. Tension Arm
2. Sanding Belt
3. Additional Handle
4. Switch
5. Spindle Lock Button



## GRINDING BELT INSPECTION

Inspect the grinding belt regularly. If it is worn out, replace it with a new belt as using the damaged belt can affect grinding performance significantly

**MAINTENANCE&CLEANING**

- Regular cleaning is required for the safe operation of the tool as an excessive build up of dust will prevent the tool from functioning properly. The dust extract nozzle can get blocked and may require periodical cleaning, especially if damp wood is being cut.
- Keep the cooling vents on the motor housing clean and unobstructed at all times. Never use any caustic agents to clean the plastic parts.
- Power cord can be replaced by user if he is skilled enough.
- Before cleaning unplug the unit from the power outlet. Use a small soft brush for cleaning.

**ENVIRONMENT**

Electrical products that are no longer usable should not be disposed of with household waste. Choose recycling where it's accessible and convenient. Check with your local authority or retailer for recycling advice.

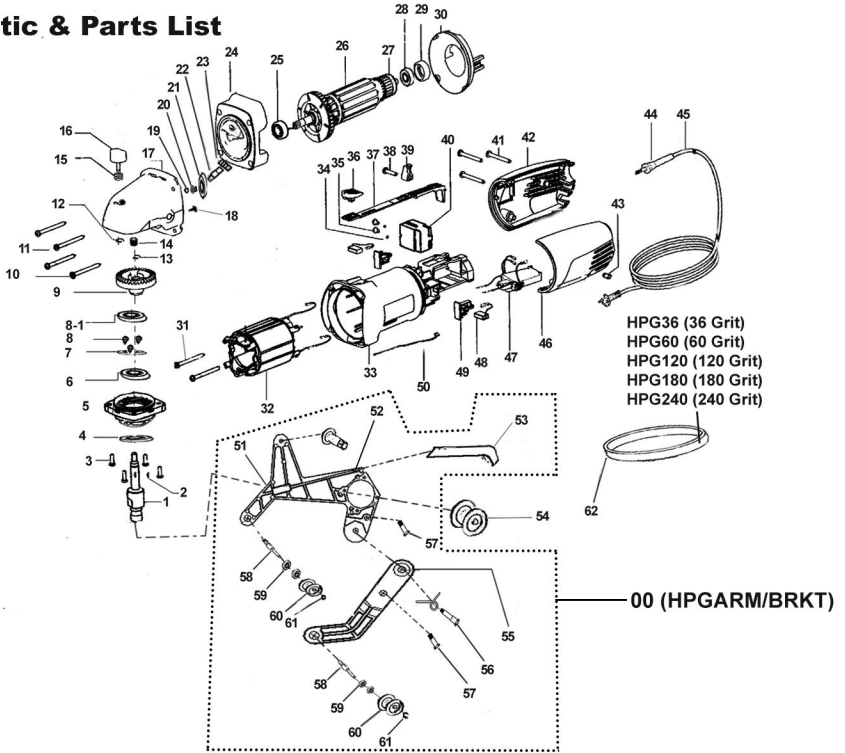
**CALIFORNIA PROPOSITION 65**

Some dust produced by power polishing, sawing, grinding, drilling, and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead, from lead based paints
- Crystalline silica, from bricks and cement and other masonry products
- Arsenic and chromium, from chemically treated lumber

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well ventilated area and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.

## Schematic & Parts List



S.No.	Description	Qty.	S.No.	Description	Qty.
1	Output Shaft	1	32	Stator	1
2	Woodruff Key	1	33	Housing	1
3	Front Cap Screw	3	34	Flat Washer	1
4	Dust Cap	4	35	Tapping Screw	1
5	Front Cover	1	36	Switch Push Button	1
6	Bearing	1	37	Switch push Lever	1
7	Gland	1	38	Tension Disc Screw	2
8	Gland Screw	1	39	Cable Disc	1
8-1	Flat Washer	3	40	Switch	1
9	Gear (big)	1	41	Tapping Screw	3
10	Set Screw	1	42	Rear Cover	1
11	Set Screw	1	43	Screw	1
12	Clamp Spring for Self-Locking	4	44	Cable Sleeve	1
13	Clamp Spring for Output Shaft	1	45	Cable	1
14	Roller Pin	1	46	Rear Cover	1
15	Self-Locking Spring	1	47	Speed-Control Switch	1
16	Self-Locking	1	48	Carbon Brush	1
17	Gear Cap	1	49	Carbon Brush Holder	1
18	Bearing Set Screw	1	50	Earth Wire	1
19	Clamp Spring	1	54	Belt Main Wheel	1
20	Gear (Small)	1	54	Belt (36, 60, 120, 180, 240 Grit)	1
21	Bearing	1	<b>00</b>	<b>Arm Bracket</b>	<b>1</b>
22	Gear Case Spindle	1	51	Aluminum Upper Spider	1
23	Spur Gear (Small)	1	52	Handle	1
24	Bearing Retainer	1	53	Belts Cover	1
25	Bearing	1	55	Aluminum Lower Spider	1
26	Rotor	1	56	Spider Set Screw with Spring	1
27	Rotor Axis	1	57	Screw	2
28	Bearing	1	58	Spindle	3
29	Bearing Housing	1	59	Bearing	2
30	Windshield	1	60	Plastic Wheel	4
31	Self-Tapping Screw	2	61	Clamp Spring	2