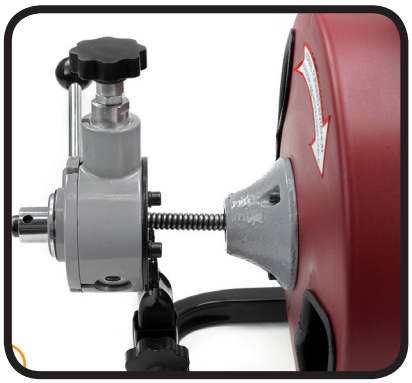
50’ 1/2” 250W ELECTRIC SEWER SNAKE DRAIN AUGER CLEANER

ITEM: 45074



OWNER’S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT’S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER)

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 4900 MON-FRI 9AM TO 3PM PST

WARNING

GENERAL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

- **Read and understand all instructions.** Failure to follow all instructions may result in serious injury or property damage.
- **DO NOT** allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.
- **DO NOT modify this product in any way.** Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- **Keep children and bystanders away from the work area while operating the tool. DO NOT** allow children to handle the product.
- Grounded tools must be plugged into an outlet that is properly installed and grounded in accordance with all codes and ordinances. NEVER remove the grounding prong or modify the plug in any way. Double insulated tools are equipped with a polarized plug. Double insulation eliminates the need for a three wire grounded power cord and grounded power supply system.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
- **DO NOT** expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **DO NOT** abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating this tool outdoors, use an extension cord marked with “W-A” or “W”. These extension cords are rated for outdoor use and reduce the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a Ground Fault circuit Interrupter (GFcI) protected supply.
- **DO NOT** Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
- **DO NOT** leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool and unplug it from its electrical outlet before leaving.
- Stay alert, watch what you are doing and use common sense when operating this tool. **DO NOT** use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Remove any adjusting key or wrench before turning the tool on. A wrench or a key left attached may result in personal injury.

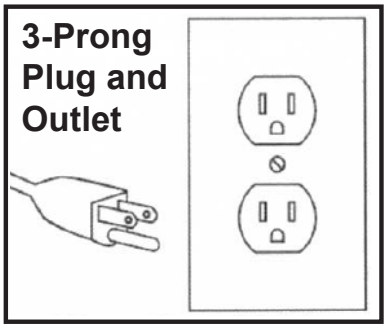
IMPORTANT SAFETY INFORMATION

- Use personal protective equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the Switch is in the off-position before connecting to power source, picking up or carrying the tool. Carrying power tools with your finger on the Switch or energizing power tools that have the Switch on invites accidents.
- **DO NOT overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Only use safety equipment that has been approved by an appropriate standards agency.** Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
- **DO NOT use the power tool if the Switch does not turn it on and off.** Any power tool that cannot be controlled with the Switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained user.
- Maintain power tools. check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- **DO NOT** allow the cutter to stop turning while the machine is runnng. This provides better control of the cable and helps to prevent twisting.
- Keep a gloved hand on the cable whenever the machine is running.
- Install this product on a solid, flat surface that is capable to support the weight of the Drain cleaner.
- **DO NOT** put too much stress on the cable. In the course of drain cleaning, if the cable encounters an obstruction, it may stress the cable and cause the cable to twist and kink or break. This may result in personal injury or damaged equipment or pipes.
- Position the drain cleaner within two feet of the drain opening.
- One person must control both the cable and the foot switch.
- Reverse motor direction only whne pulling the cable out of the pipe or obstruction. Make sure the drum has stopped turning before changing the power switch.
- Keep hands away from rotating drum and distributor tube. Do not reach into the drum if the power is on.
- Avoid electric shock. **DO NOT** operate this tool if the operator or machine is standing in water.
- **WARNING**: People with pace makers should consult their physician before using the product.

SAVE THESE WARNINGS

- Be aware of possible damage to the drain lines that may result from the discovery of roots and obstacles.

WARNING To prevent electric shock and death from incorrect grounding wire connection. Check with a qualified electrician if you are in doubt as to whether an outlet is properly grounded.



1. Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk electric shock.

2. The grounding prong in the plug is connected through the green wire inside the cord must be the only wire cinnected to the tool's grounding system and must NEVER be attached to an electrically "live" terminal.

GROUND FAULT CIRCUIT INTERRUPTER (GFCI)

Your machine is equipped with a GFCI, which protects against electric shock if a short circuit should occur. Check that the receptacle is properly grounded and test the GFCI before each use.

1. Plug the GFCI power plug into a grounded receptacle.

2. Press the "**TEST**" button. The GFCI indicator light will go out and power to the machineshould cut off.

3. WARNING: If the light does not go out when the **TEST** button is depressed. Equipment should not be used until proper repairs have been made by a qualified technician.

4. To restore power after testing, push the reset button. WARNING: If the machine doesn't start, stops while running or if you experience a mild shock, DO NOT use the machine. Have it repaired by a technician.

NOTE: The power cord is NOT GFCI protected from the GFCI unit to the 3-prong plug in the outlet.

EXTENSION CORDS

1. Grounded tools require a three wire extension cord. Double insulated tools can use either a two or three wire extension cord.

2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using an inadequately sized wire causes a serious drop in voltage, resulting in a loss of power and possible tool damage.

3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. See Table A

4. If the extension cord is being used for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cor size.

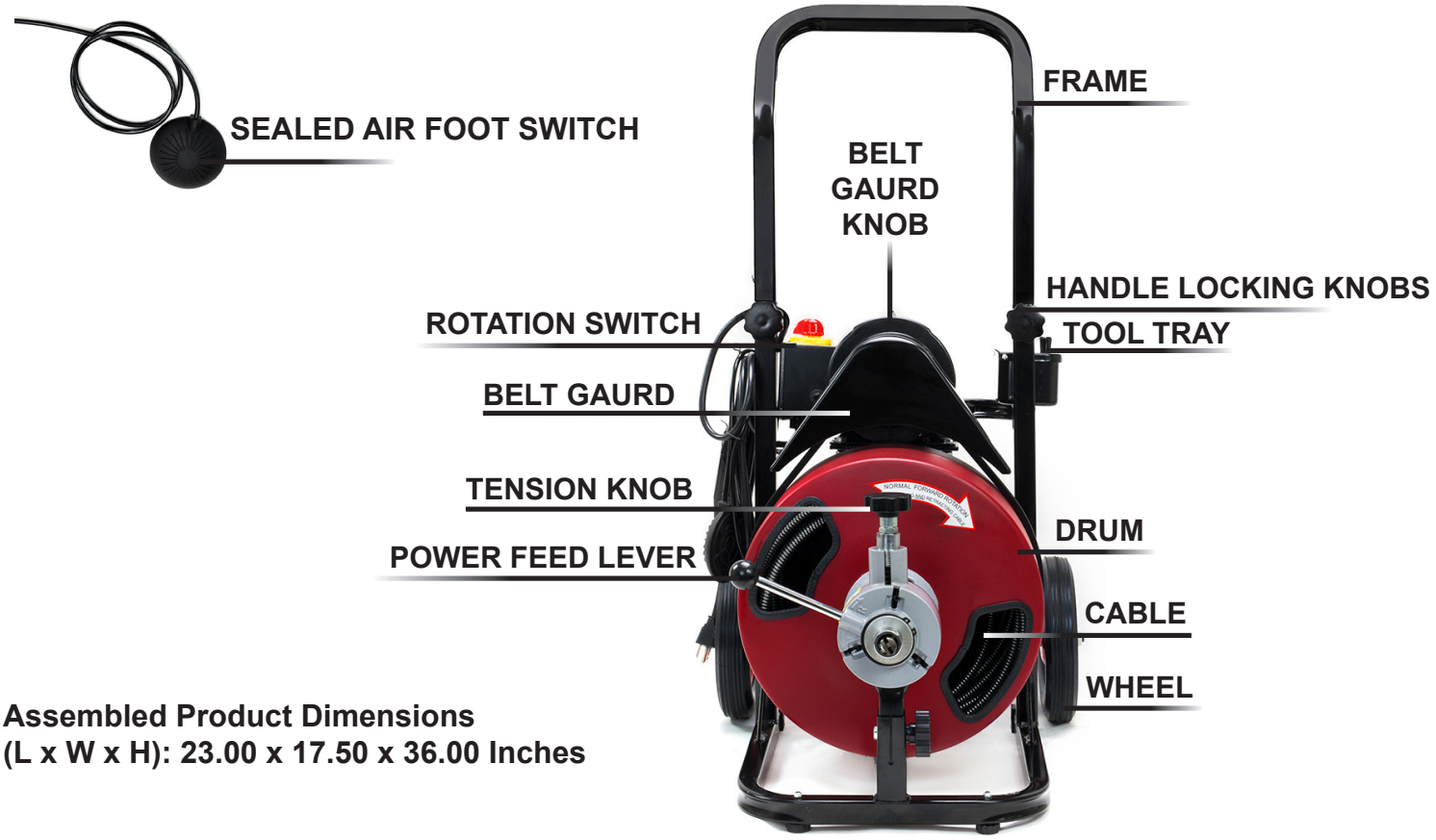
TABLE A

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120/240V)

NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0-2.0	18	18	18	18	16
2.1-3.4	18	18	18	16	14
3.5-5.0	18	18	16	14	12
5.1-7.0	18	16	14	12	12
7.1-12.0	18	14	12	10	NA
12.1-16.0	14	12	10	NA	NA
16.1-20.0	12	10	NA	NA	NA

*** Based on limiting the line Voltage dropped to five volts at 150% of the rated armperes.**

PRODUCT INFORMATION



Assembled Product Dimensions (L x W x H): 23.00 x 17.50 x 36.00 Inches

FEATURES

This Portable Drain Cleaning Machines clears lines from 1” to 4”. Easily drive and retract the 1/2” cable using the automatic power feed system. Feel safe knowing the 110 volt plug and air operated foot switch can be operated with water on the floor in kitchens and bathrooms. It includes 50’ of 1/2” cable and a 4 piece cutter kit to clear most drain lines.

- **50’ x 1/2” Cable and Universal Slotted 4 piece cutter kit**
- **Portable 8” Solid Rubber Tires and 5” steel wheels**
- **Measures: 36” tall (30” without handle) x 17.5” wide x 23” deep**
- **60 HZ 2.7 amp 1400 rpm electric motor**
- **13” x 6” Quick Release Belt Driven Drum**
- **250 watt 110 volt forward/reverse motor**
- **5’ GCI Power Cord with 3 pronged ground**
- **4’ Air operated foot switch**
- **1” Square Metal Frame with Rubber feet**
- **Metal tool box attached for tools**

CUTTING TOOL ACCESSORIES

There are four cutting tools included with the Drain Cleaner. Select the appropriate tool for the cleaning job and attach to the cable. Each is described in the table below.

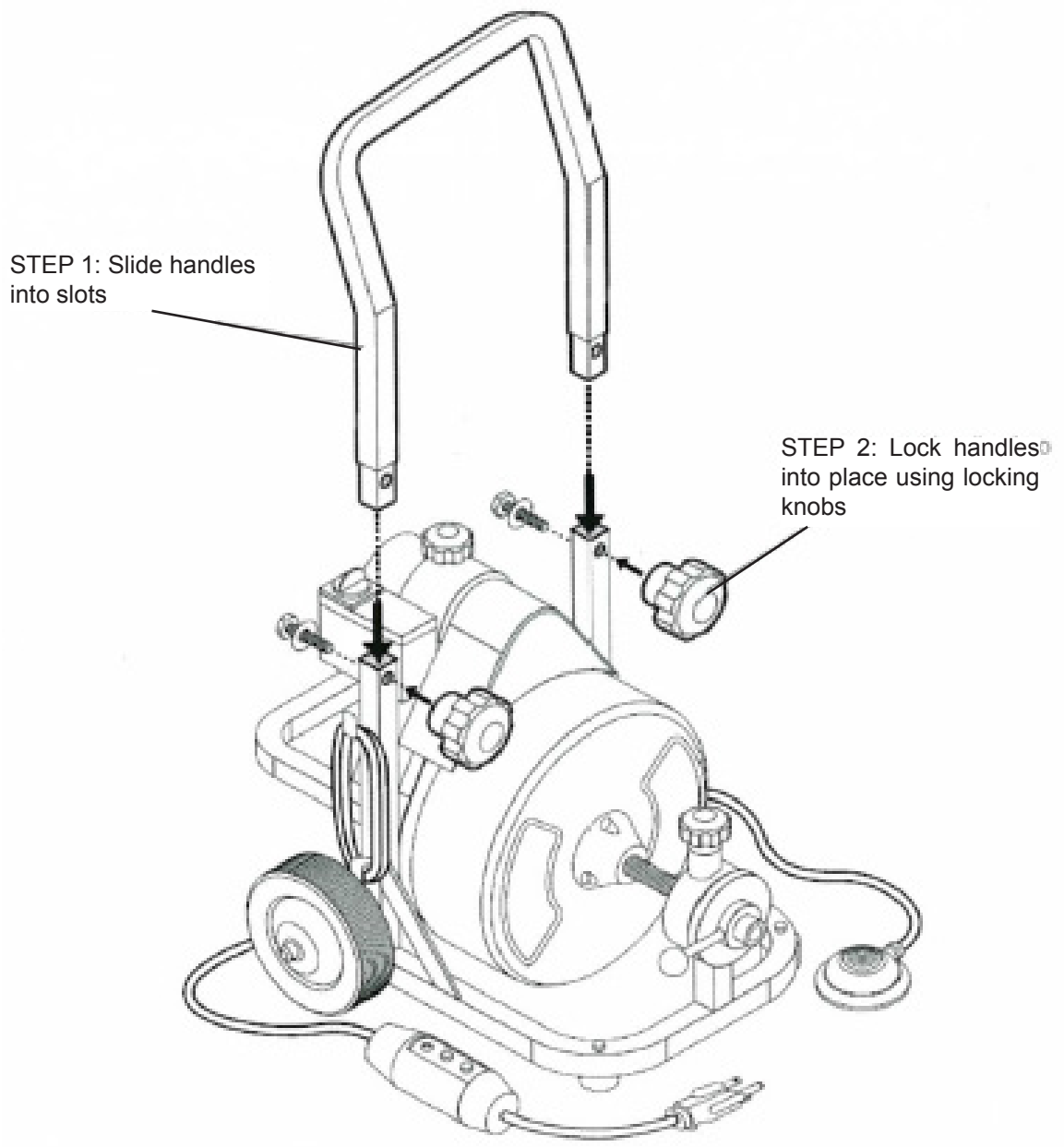
ARROW CUTTER	BULB CUTTER	C-CUTTER	SPADE CUTTER

ASSEMBLY

CUTTER TOOL	APPLICATIONS
ARROW CUTTER	Starting tool; ideal for cutting and scraping
BULB CUTTER	Starting tool; ideal for removing loose objects
C-CUTTER	Finishing tool works with grease stoppages and cleaning pipe walls
SPADE CUTTER	Finishing tool works for scraping the inside edges of pipes

NOTICE: If the cause of the obstruction is unknown, use the bulb cutter to explore the obstruction. If possible, retreive a piece to inspect. Once you can see the cause of the obstruction, select the appropriate tool for the job. Run the smallest available tool through the blockage to allow the backed up water to flow and carry away the debris as the drain is cleaned. Once the drain is flowing, more appropriate tools can be used on the rest of the blockage. Keep in mind that the largest tool used should be no bigger than the drain's diameter, minus an inch.

If properly used, the drain cleaners and assorted drain cleaner accessories will not damage a drain that is in good condition and properly designed, constructed and maintained. However, if the drain is in poor condition or has not been properly designed, the drain cleaning work may damage the drain. Before operation visually inspect the drain's quality.



SET UP

WARNING: Before each use, inspect the drain cleaner and correct any problems to reduce risk of serious injury from electric shock, twisted or broken cables, chemical burns, infections and other causes and prevent drain cleaner damage.

WARNING: Read and adhere to the following guidelines to prevent serious personal injury and property damage. **ALWAYS** wear ANSI approved goggles, hork gloves and appropriate equipment when setting up your drain cleaner. For extra protection from chemicals and bacteria on the machine and in the work area, we recommend wearing latex, rubber or other liquid barrier gloves under the heavy-duty work gloves. Before use, inspect the gloves to be sure they are free of defects or loose sections that could be caught in the drain cleaner. Rubber soled, non-slip shoes can help prevent slipping and electric shock, especially on wet surfaces.

1. Once the drain cleaner is assembled, check that the device and cutters have no signs of wear or damage. If necessary, replace worn or damaged parts prior to using this product.

2. Verify the drain cleaner is unplugged and inspect the power cord, GFCI and plug for damage. If the plug has been modified or is missing the grounding prong or the cord is damaged, **DO NOT** use the machine until the cord has been repaired by a qualified electrician.

3. Clean any oil, grease or dirt from all equipment handles and controls. This helps prevent the machine or control from slipping during use.

4. Verify the foot switch is attached to the drain cleaner.

5. Verify the drain cleaner is properly assembled. Inspect the machine for broken or damaged parts before every use.

6. Make sure switches and handles move smoothly between positions and lock into place and that the bumpers at the bottom of the handle are present and firmly attached.

7. Rotate the drum and make sure that it turns freely without binding.

8. Check that all warning lables are present and firmly attached to the machine.

9. Make sure the belt gaurd is securely fastened to the drain cleaner.

10. Check the cable for any wear or damage. If any part of the cable is flattened or damaged, repair it before using the machine.

11. Verify the cable does not have multiple kinks. Kinks weaken the cable and can cause cable failure. replace them before using the machine.

12. Look for spaces between the cable coils. Kinking, stretching or running the cable in reverse can deform the cable. Cables with spaces between the coils should be replaced.

13. Check for signs of excessive corrosion. Corrosion weakens the cable, making it brittle. This can be caused by storing the cable wet or using the cable with corrosive chemicals (often found in chemical clog removers). Excessively corroded cable should be replaced.

14. Before use, fully retract the cable with no more than 2” of cable outside of the machine. This will keep the cable from whipping when machine is turned on.

15. Set the power switch to the **OFF** position.

16. With dry hands, plug the cord into a properly grounded outlet and move the power switch to the **FORWARD** position.

17. Move the feed lever to exactly between the **F** and **R** settings, otherwise the cable will start moving in or out during this test.

18. Press the foot switch and note the direction of rotation of the drum. if the foot switch does not control the cleaner's operation, **DO NOT** use the machine until the foot switch has been repaired.

19. The drum should rotate clockwise when seen from the front of the drum. It wil match the drum direction shown on the warning label and the arrows molded onto the drum.

20. release the foot switch and let the drum come to a complete stop. Place the switch into the reverse position and test the operation again to make sure the drain cleaner operates poroperly in reverse. if the rotation is not correct, **DO NOT** use the machine until it has been repaired.

21. After inspection, set the power switch to **OFF** and unplug the drain cleaner.

22. Once you've verified the drain cleaner is in good working order, inspect the work area where you will be using the machine.

WORK AREA SET UP

1. Verify the work area has adequate lighting for the job.

2. Make sure the work area is free of flammable liquids, vapors or dust that may ignite. Sparks can be generated during drain cleaner operation.

3. Verify the electrical outlet is properly grounded. A three oring or GFCI outlet may not be properly grounded. If in doubt, have the outlet inspected by a licensed technician.

4. Make sure there is a clear and unobstructed path from the drain cleaner to the electrical outlet.

5. Inspect the drain to be cleaned. If possible, determine the best access point to the drain, the size and length of the drain, distance to tank mainlines, the nature of the blockage and/or presence of drain cleaning chemicals.

6. If there are chemicals present in the drain, read and adhere to the specific safety measures required to work around the chemicals.

7. If necessary, remove the fixture to allow access to the drain. **DO NOT** feed a cable through the fixture. Doing so may cause damage to the drain and/or fixture.

8. Determine the correct drain cleaning cable size for the job. See the Cable/Pipe Size Chart below for more information.

9. Make sure the drain cleaner handle is locked into the upright position for transport. If the drain cleaner needs to be lifted, use proper lifting techniques.

10. Set the drain cleaner so that the drum opening is within two feet of the drain access. The greater the distance from drain access, the higher the risk of the cable twisting or kinking.

11. If the machine cannot be placed with the drum opening within 2" of the drain access, use appropriate sized pipes and fittings to extend the drain access back to within 2" of the drum opening. Improper cable support can cause the cable to kink and twist and can damage the cable or injure the operator.

12. If needed, set up barriers to keep bystanders away from the drain cleaner and work area during operation.

13. Select the proper cutting tool.

CABLE SIZE	PIPE SIZE	TYPICAL APPLICATIONS
1/2" (included)	2" to 4"	Roof stacks and small floor drains (no rods)
3/8"	1 - 1/2" to 3"	Roof stacks, laundry lines and small drains (no roots)

14. Verify the electrical outlet is properly grounded. A three oring or GFCI outlet may not be properly grounded. If in doubt, have the outlet inspected by a licensed technician. Install the tool to the end of the cable. Slide the base of the cutter tool into the slot at the end of the cable. Fasten together using a screwdriver.

15. Postion the foot switch for easy accessibility. You must be able to hold and control the cable, control the foot switch and reach the power switch.

16. Confirm that the power switch is in the OFF position.

17. Run the cord along the clear path. With dry hands, plug the drain cleaner into a properly grounded outlet.

18. If the power cord is not long enough, use an extension cord that is in good condition and has a three prong plug similar to the one supplied on the drain cleaner. Keep the connection off the ground to prevent it from getting wet.

WORKING THROUGH A BLOCKAGE

1. If the cutting tool becomes lodged in blockage and drain cleaner is still operating, the cable will start to wind up or twist. If this happens, oull back on the cable to free the cutting too from the blockage.

WARNING: DO NOT keep the cable rotating if the tool is lodged in a blockage. If the tool stops turning and the drum still rotates, the cable can twist, kink or break.

2. Once the tool is free of blockage and is turning again, slowly feed rotating cutting tool back into the vlockage. Do not force the tool through blockage.

3. Allow the spinning and cutting to break up and work the blockage. **CAUTION:** While working the blockage, the tool and cable can get clogged with debris and cuttings from blockage, preventing further cleaning. The cable tool will then need to be retreived from the drain and the debris removed.

HANDLING LODGED CUTTING TOOL

1. If the cutting tool stops turning and the cable cannot be pulled from the blockage, release the foot switch while holding the cable with both hands.

WARNING: DO NOT remove hands from the cable or the cable may kink, twist and break.

2. The drain cleaner motor will stop and the cable and drum will turn backwards until tension in the cable is released.

WARNING: DO NOT remove hands from the cable until all the tension is released.

3. Place the power switch in the OFF position.

FREEING A LODGED CUTTING TOOL

1. Release the foot switch and turn the power switch to the off position.

2. Pull the cable loose from the blockage. if the tool will not come free, place the power switch in reverse position.

3. Hold the cable with both hands, press the foot switch for several seconds and pull on the cable until it is free of the blockage.

WARNING: DO NOT operate the drain cleaner in reverse for any longer than is needed to be free the cutting tool from blockage.

4. Place the pwer switch in the forward position and continue cleaning the drain.

RETREIVING DRAIN CLEANER CABLE

1. Once the drain is clear, turn on the faucet or use a hose to flush the debris out.

NOTE: Pay attention to the water level. There could be blockages further down the drain.

2. Set the power switch to the **OFF** position and unplug the machine.

3. Pull the cable from the drain by hand and feed into the drain cleaner. The flow of water down the line will helo ti clean the cable as it is retreived. if necessary, change the cutting tool and cintinue cleaning.

WARNING: DO NOT pull the cable from the drain while the cable is still rotating. Cable can whip around, causing serious injury.

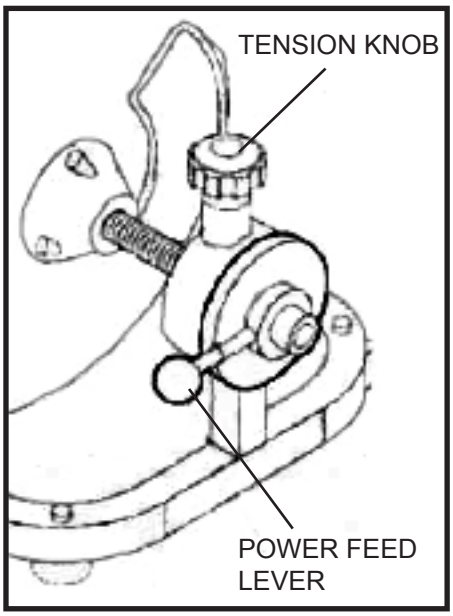
RETREIVING DRAIN CLEANER CABLE

1. Position the drain cleaner two feet from the drain.

2. Release all tension from the tension knob then grab the cable with both hands and push the cable until at least one foot of cable is in the drain. Retighten tension knob.

3. After making sure the power switch is in the **FORWARD** position, the feed knob has been retightened and the power feed lever is in the down position, press the foot switch and start feeding the cable further into the drain. Make sure you can operate the foot switch while have at least one hand on the cable at all times. Make sure the power switch on top of the drain cleaner and power feed lever are within reach.

WARNING: Only one person should operate the cable feed and the foot switch. this can cause the cable to kink and break.



4. If the cable become lodged in a narrow part of the drain or in a drain trap, put the power feed lever in the **NEUTRAL** position and allow the cable to try and work itself past the obstruction. If the cable still won't pass the obstruction, release pressure from the foot switch and use sharp downward thrusts to try and free the cable. Once the cable is free, put the power feed lever in the down (forward position, put pressure back on the foot switch and continue feeding.

WORKING THROUGH A BLOCKAGE

1. If the cutting tool becomes lodged in a blockage and drain cleaner is still operating, the cable will start to wind up or twist. If so, release pressure from the foot switch and the drain cleaner motor will stop.

WARNING: DO NOT let the cable build up outside the drain. The cable drum will turn backwards until the tension in the cable is released.

WARNING: DO NOT remove your hand from the cable until the tension is released.

2. Put the power feed lever in REVERSE position to pull the cable back and free the cutting tool from the blockage.

3. If the motor can't pull the cable out, release pressure from the foot switch and allow the cable to stop spinning. Once the cable stops spinning, grab the cable with both hands and pull the cable free.

4. Once the tool is free of blockage and is turning again, slowly feed the cutting tool back into the blockage. DO NOT force the tool through blockage. Allow the cutting tip to break up and work through the blockage.

CAUTION: While working blockage, the tool and cable can get clogged, preventing further cleaning. The cable tool will need to be retreived from the drain and debris removed.

MAINTENANCE

WARNING

Turn the power switch **OFF** and unplug the drain cleaner before performing any maintenance.
ALWAYS wear safety goggles and gloves while performing any maintenance.

CLEANING DRAIN CLEANER CABLES

1. Thoroughly flush the drain cleaner cables with clean water after every use.

2. Once cables have been flushed, carefully tip the drain cleaner forward to empty out any remaining debris.

3. Once the cable is clean and dry, pull the cable from the drum.

4. Lubricate with an oily rag as you feed the cable back into the drum.

WARNING: DO NOT attempt to remove a rotating cable.

CLEANING AND LUBRICATING HOUSING

1. The drain cleaner should be cleaned as needed with hot soapy water and/or disinfectants.

WARNING: Risk of shock! **DO NOT** allow water to get into the motor or any other electrical components.

2. Dry the drain cleaner before storing or using again.

3. Once dry, thoroughly lubricate with a lightweight machine oil.

4. If the drain cleaner drum os removed or changed, grease the bearings with general purpose grease.

REMOVING AND INSTALLING THE BELT

1. Loosen the belt gaurd knob and slide belt gaurd off from the top of the clenaer's motor.

2. Use a screwdriver to slide the belt off the back of the cleaner's drum.

3. Slide a new belt into the belt pulley above the drum.

4. Slide the new belt onto the rear of the drum until securely in place.

SPECIFICATIONS

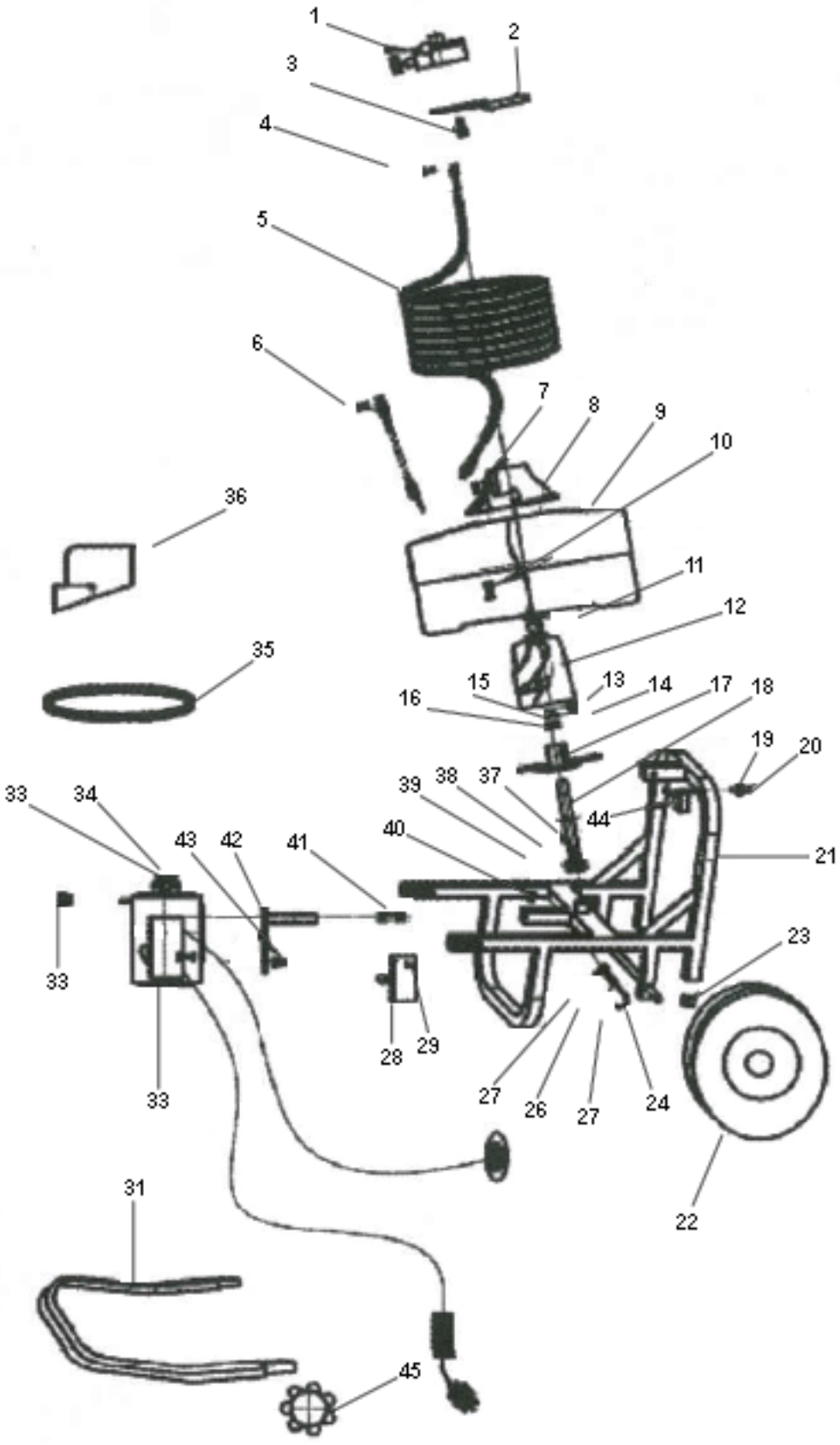
MOTOR	120V~/60Hz5.3A (running) 1/3 HP/1716RPM
POWER CORD LENGTH	1.85m Long
CABLE TYPE	1/2' Diam. X 50' Long
DRAIN PIPE CAPACITY	5.08cm - 10.16cm
DRUM DIMENSIONS	33cm x 16cm
DRUM CAPACITY	50' of 1/2" Cable
	75' of 1/2" Cable (not included)
	100' of 3/8" Cable (not included)

TROUBLESOOTING

CABLE SIZE	PIPE SIZE	TYPICAL APPLICATIONS
MOTOR SHUTS OFF DURING USE	Motor possibly shut off by its internal thermal protection switch or reset-breaker	Turn motor off and allow it to cool completely before restarting
	GFCI circuit breaker tripped	Make sure all components are dry. Press RESET button.
CABLE KINKS, TWISTS OR BREAKS	Too much force on the cable	Do not force the cable, let the cutter do the work
	Too much slack between the cleaner and drainpipe inlet	Move cleaner to within 2 feet of drainpipe inlet
	wong cable size being used for pipe	Change the cable size
	Cable exposed to acid	Clean the oil cable regularly
	Cable is worn out	Replace the cable
CABLE TANGLES IN DRUM	Too much force on the cable	Do not force the cable, let the cutter do the work
	Motor running in reverse	Retract the cable with motor direction switch in forward position
	Distributor tube is frozen	Lubricate distributor tube bearings
GFCI TRIPS WHEN UNIT IS PLUGGED IN	Motor direction switch is defective	Repair or replace motor direction switch
	Frayed power cord	repair or replace the power cord
	Short circuit in motor	Have the motor repaired by a qualified technician
	Excess moisture touching power cord	Dry cord and unit
	Faulty GFCI unit	Have an electrician replace the power cord with GFCI
MOTOR DOES NOT OPERATE	Pneumatic foot pedal may have a leak	Check for leaks in the air line leading from the foot pedal. Check for tears and holes in the foot pedal
FORWARD SWITCH DOES NOT WORK	The centrifugal switch requires the motor to come to a complete stop before it will allow the direction of the motor to change	move the Forward/Reverse switch to the OFF position and allow the motor to stop before changing from 'Forward' to 'Reverse' position
FOOT PEDAL STICKS	Overloading of the motor may cause the foot pedal to stick	Press the foot pedal several times to release it

PARTS

#	DESCRIPTION
1	Power Feed Cable
2	Front Post
3	Bolts
4	Bolts
5	Cable
6	Drum Connecting Cable
7	Bolts
8	Front Hub Bushing
9	Drum Shell
10	Connecting Cable/Nut/Washer
11	Fiber Washer
12	Distributor Tube/Inner Drum
13	Front Shaft Retaining Ring
14	Rear Shaft Retaining Ring
15	Flat Washer
16	Flat Washer
17	Rear Hub
18	Drum Shaft
19	Rubber Foot
20	Bolts
21	Frame
22	8" Wheel
23	Rubber Leg Tip
24	Drum Shaft Rataining Pin
25	Retaining Pin Spring
26	Retaining Pin Screw/Set Screw
27	Bolts
28	Tool Holder
29	Bolts
30	Motor
31	Folding Handle
32	Belt Guard Retaining Knob
33	V-Belt Pulley
34	Bolts
35	V-Belt (A1118)
36	Belt Guard
37	Fiber Washer
38	Shaft Spacer
39	Screw
40	Bolts
41	Motor Support Spring
42	Motor Support



DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

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