



## 2-STROKE PETROL EARTH AUGER

MODEL NO: PHA100

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection



Wear ear protection



Wear protective gloves



Wear safety footwear



Wear protective clothing



Hot surfaces



Warning:  
Flammable liquid

### 1. SAFETY

#### 1.1. GENERAL SAFETY

- WARNING! THIS MACHINE MAY CAUSE SERIOUS INJURIES.** Read the instructions carefully for handling, preparing, maintaining, starting, stopping and operating the machine. Learn about all the controls and proper use of the machine.
- WARNING!** When using this type of tool, basic precautions should always be followed to reduce the risk of fire, electric shock and injury.
- ✓ Read all instructions carefully before attempting to use this product and retain these instructions. Be familiar with all the operations described in these operating instructions.
- ✓ This product must be operated only by experienced users.
- ✓ If you are giving this machine to others, please also provide them with this instructions manual.
- ✓ Use this machine as described in this instruction manual. It is strictly forbidden to use this tool for applications other than those described in this manual.
- ✓ Failure to follow these instructions can result serious injuries or death.
- ✓ Never let people unfamiliar with these instructions or children use this product.
- ✓ Keep in mind that the operator or user is responsible for accidents or risks to other persons or their property.
- \* **DO NOT** use the tool if you have consumed alcohol, are tired, under the influence of drugs or ill. **DO NOT** use the tool if you are not in an adequate physical condition.
- ✓ This tool is intended for outdoor use. Never use it indoors.
- ✓ Never allow children use the machine.
- ✓ Dress properly! **DO NOT** wear loose fitting clothing or jewellery that can be caught in moving parts. Use of resistant gloves, non-slip shoes and safety glasses is recommended; stop the engine or disconnect it before:
  - cleaning or clearing a blockage;
  - checking, maintaining, or working on the machine;
  - when adjusting the working position of the cutting device.
- ✓ Never add fuel to a machine with a running engine or when it's hot. **DO NOT** inhale fuel fumes as they are toxic.
- ✓ Always inspect the machine before and after operation.
- \* **DO NOT** attempt to repair the machine unless you are qualified to do so. Repairs should be carried out only by an authorized service centre or a similar qualified specialist.
- \* **DO NOT** use the machine with a damaged or excessively worn cutting device.
- ✓ To reduce the risk of fire, keep the engine and exhaust free from debris, leaves or excessive lubricant.
- ✓ Always make sure that all handles and guards are installed when operating the machine.
- ✓ Never attempt to use an incomplete machine or a machine equipped with an unauthorized modification.
- ✓ When transporting or storing the machine, always original packaging for device protection.
- ✓ Always be aware of your environment and pay attention to possible dangers that cannot be heard due to the noise of the machine.
- ✓ Keep people and animals away from the work area. Children and people who do not know how to use this tool should not touch it and handle it.
- ✓ Use the product only under daylight or under good artificial light.
- ✓ When using the machine, always wear full protective equipment including a helmet, protective mask, ear protection, gloves, non-slip footwear and protective clothing.
- ✓ Wear appropriate clothing. **DO NOT** wear loose or unbuttoned shirts. **DO NOT** wear jewellery that may come in contact with moving parts. If you have long hair, tie them down and wear an appropriate safety helmet.
- \* **DO NOT** operate the product with damaged guards or shields not in place.
- ✓ Keep hands and feet away from the unit at all times, especially when turning the tool off and on.
- \* **DO NOT** use the tool in an area where ventilation is poor. Gas emissions can cause injury.
- \* **DO NOT** use the tool when it's raining or during bad weather. **DO NOT** use the tool in damp locations.
- \* **DO NOT** use the tool in the presence of flammable liquids or gases.
- WARNING!** The machine releases gases when it is used. Avoid coming into contact with these gases.
- ✓ Keep the work area clear. Before working, inspect the work area and remove any materials or objects that could cause accidents.
- ✓ Survey the area to be worked prior to starting to avoid hitting underground services i.e. electricity cables, phone lines etc.
- ✓ Keep the tool and drill clean for better and safer performance. Follow the instructions in this manual to lubricate and change the accessories.
- ✓ Turn off the tool after use, when you leave it unattended, when changing the accessories and before servicing.

- ✓ Keep handles dry, clean and free from oil and grease.
- ✗ **DO NOT** allow anyone, especially children, to come within a radius of at least five metres around the work area when work is in progress.
- ✓ Immediately stop the tool in the event of a malfunction of the motor or the ON/OFF button or in case of unusual noise.
- ✓ When not in use, the machine must be stored in a dry, locked place out of the reach of children.
- ✓ Before using the product and after any shock, please check it for signs of wear or damage.
- ✓ Always switch off the machine:
  - every time you leave the device unattended;
  - before releasing an obstruction;
  - before checking, cleaning or working on the product;
  - after hitting a foreign object;
  - every time the product starts to vibrate abnormally.
- ✓ Inspect and regularly service the product. Repairs should be carried out only by an authorized service centre or a similar qualified specialist.
- ✓ When not in use, store the product out of the reach of children.
- ✓ Always carry the tool by the handle, never the drill.
- ✗ **DO NOT** use the product on a slippery surface.
- ✗ **DO NOT** use the product on steep, slippery slopes.
- ✓ Be careful when using the machine in stormy weather. **DO NOT** use the machine during lightning, thunderstorms and bad weather in general.

## 1.2. FUEL HANDLING

- ✓ Allow the machine to cool before performing inspection, adjustments, maintenance, servicing and storage.
- ✓ Be very careful when handling fuels. They are flammable and the vapours are explosive.
- ✓ Use only an approved container.
- ✓ Never remove the fuel cap or add fuel while the machine is on. Turn the unit off and allow the engine and exhaust components to cool before refuelling.
- ✓ Never refuel inside a room.
- ✓ Never store the tool and the fuel containers indoors where there is a naked flame.
- ✓ If fuel has spilled, **DO NOT** attempt to start the machine, but rather move it away from the spill before starting to use it. Clean any spills.
- ✓ Replace and tighten the fuel tank cap after refuelling.
- ✓ Follow the instructions in this manual for both filling the tool with fuel and fuel management during maintenance and storage.

## 1.3. RESIDUAL RISKS

- 1.3.1. Even if you use this product in accordance with all safety requirements, the potential risks of injuries and damage remain. The following hazards might happen within the structure and design of this product.
- There are adverse health consequences due to the emission of vibrations if the product is used over long periods of time or not managed properly and maintained in a suitable way.
- There are risks of injuries and property damage caused by the attachments or broken attachments or sudden impact of hidden objects when using the cutting function.
- Risk of damage to persons and property caused by flying objects.
- Prolonged use of this product exposes the operator to vibration and may contribute to the onset of so-called "white finger" disease. To reduce the risk, please wear gloves and keep your hands warm.
- If any of the symptoms of the "white finger" syndrome appear, consult a doctor immediately. Symptoms of the "white finger" include: numbness, loss of sensitivity, tickling, tingling, pain, loss of strength, colour changes or skin condition. These symptoms usually appear on fingers, hands or wrists. The risk is higher at low temperatures.
- Risk of hearing loss if the machine is used for long periods of time without hearing protection.

## 2. INTRODUCTION

Drills holes up to 800mm deep and 200mm wide, ideal for seating trees, garden posts and fence supports into the ground. 52cc 2hp Petrol motor. Three different diameter bore sizes - 100, 150 or 200mm. Twin ergonomic handles for comfort and ease of use (by one or two people). Auger brake automatically stops the bit from turning if hard underground impediment is hit.

## 3. SPECIFICATION

**MODEL NO:**..... **PHA100**  
 Engine Capacity:..... 52cc  
 Engine Type:..... Single Cylinder Air Cooled 2-Stroke  
 Fuel Consumption:..... 0.85L/h, 850g/h  
 Fuel Tank: ..... 2-Stroke 25:1 (1.2L)  
 Max Engine Speed:..... 8500rpm  
 Maximum Power: ..... 2hp 7500rpm  
 Maximum Torque:..... 1.85Nm  
 Noise Rating: ..... 116dB(A) Guaranteed value  
 Vibration/Uncertainty..... 20.52m/s<sup>2</sup> / 1.5m/s<sup>2</sup>

## 4. OPERATION

### 4.1. FILLING THE FUEL TANK

- ✗ **DO NOT** attempt to refuel when the engine is hot.
- ✗ **DO NOT** expose fuel to heat source or naked flames.  
If fuel is spilt, immediately stop refuelling and **DO NOT** start the engine. Clean up the spill and fill the machine in another location.
- ✗ **DO NOT** fill the fuel tank to the neck of the filler as there is a risk of overflow.
- ✗ **DO NOT** refuel in a closed and unventilated area.

- 4.1.1. The fuel used for this tool is a mixture of unleaded petrol and registered engine lubricant.
- 4.1.2. When mixing petrol with oil, use only unleaded petrol that does not contain ethanol or methanol.
- 4.1.3. The recommended mixing ratio is 25:1 (make sure the mixing ratio is correct before filling the product).

**4.2. MIXING**

- 4.2.1. Prepare the mixture in a clean and empty container.
- 4.2.2. Pour the oil and petrol into the container.
- 4.2.3. Stir the mixture long enough (more than one minute) to get a proper blending.

**4.3. FILLING THE FUEL TANK**

- 4.3.1. Unscrew the fuel tank cap and remove it.
- 4.3.2. Fill the tank slowly with the mixture. **DO NOT** exceed the maximum capacity (fill to 80% of its capacity preferably).
- 4.3.3. Replace the cap on the fuel tank and tighten it.
- 4.3.4. Wipe off any spillage around the unit if necessary

**NOTE:** To avoid damage and accidents, **DO NOT** use other mixtures and other types of oil / petrol

**4.4. STORAGE OF FUEL**

- ✓ The fuel must be kept in a clean and safe container and always closed.
- ✓ If you are not using the product for a long time, remove the fuel mixture and add it to a container.
- ✗ **DO NOT** leave the fuel for a long time in the product. The fuel may clog the carburettor and the engine will not operate properly.

**4.5. DISPOSAL OF FUEL**

- ✓ Dispose of any unwanted fuel in an authorized location.
- ✓ Check local laws and regulations regarding disposal of fuels.

**4.6. AUGER ASSEMBLY**

- 4.6.1. Place the machine body on a flat and stable location.
- 4.6.2. Remove the clip and pin on the drill drive shaft.
- 4.6.3. Install the auger and align the holes to be able to connect the shaft and auger together.
- 4.6.4. Put the pin back in place and refit the clip through the hole in the pin. (fig.1).

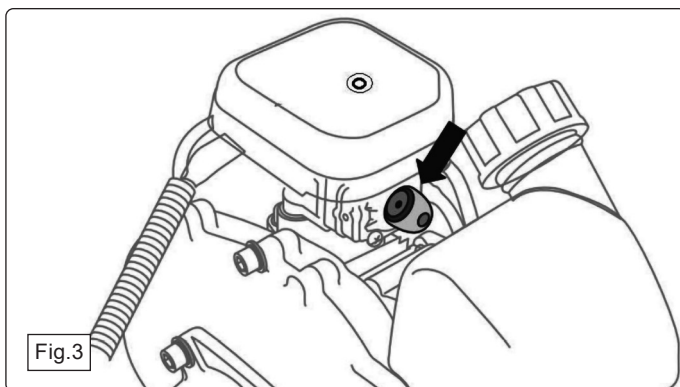
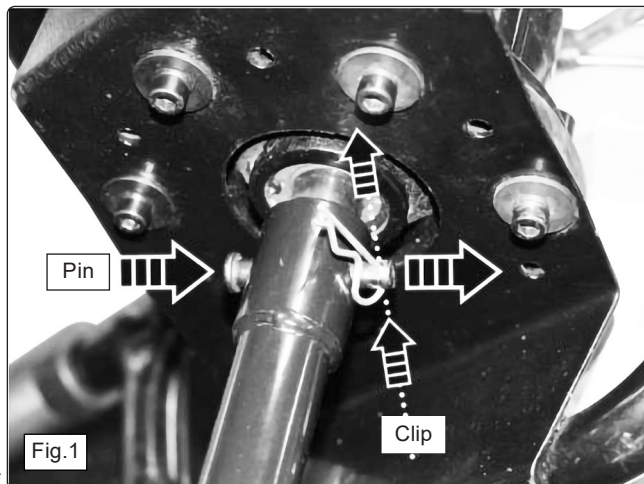
**4.7. BEFORE USE**

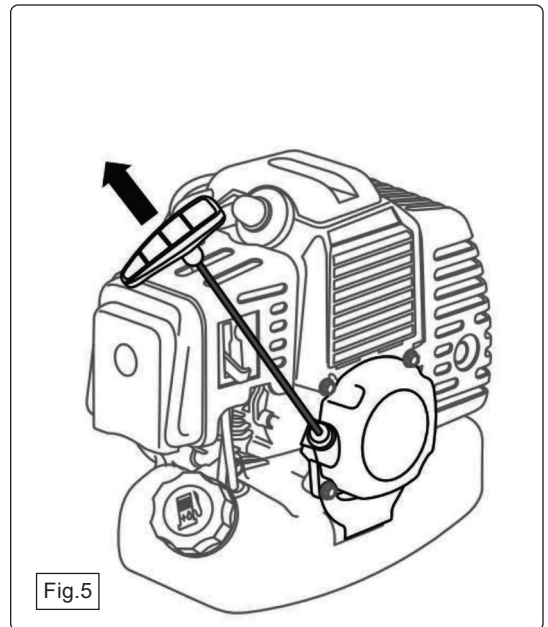
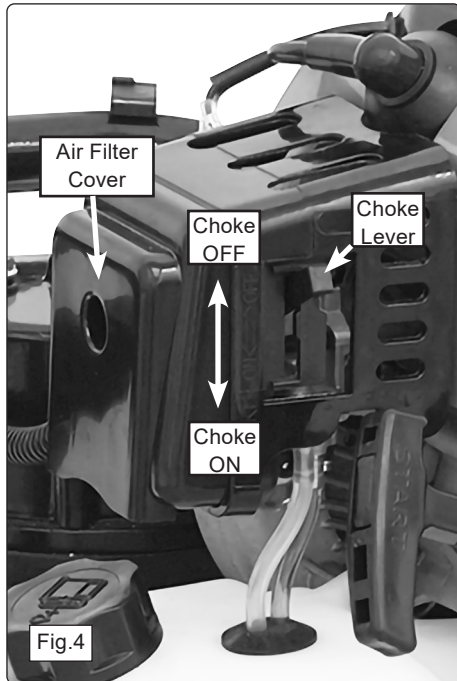
- 4.7.1. Check the machine for damage or malfunction. In case of problems, **DO NOT** use the machine.
- 4.7.2. Check that the drill rod is properly and securely assembled.
- 4.7.3. Check the fuel volume. Always refuel before operating the machine. Never use the machine with little or no fuel.
- 4.7.4. Check the workspace; remove all obstacles, materials and objects that could pose danger and cause an accident.
- 4.7.5. Secure the workspace by placing markings to alert spectators of

**4.8. STARTING THE OPERATION**

**4.8.1. COLD STARTING**

- 4.8.1.1. Switch on the tool by sliding the Stop/Start slider to the ON location. (fig.2)
- 4.8.1.2. Push the primer bulb 5-7 times, until fuel comes into the primer bulb. (fig.3)
- 4.8.1.3. Move the choke lever to the ON position (fig.4).
- 4.8.1.4. Pull the starter cord until the engine starts (fig.5).
- 4.8.1.5. Move the choke lever to the OFF position (fig.4).
- 4.8.1.6. Allow engine to warm up for a few minutes before using.
- 4.8.1.7. Depress the safety switch then squeeze the throttle trigger to start the operation (fig.2, fig.6). See Section 4.9 for instructions.





#### 4.8.2. WARM STARTING

- 4.8.2.1. The warm starting can be done when the tool was switched off but still hot.
- 4.8.2.2. Switch on the tool by sliding the Stop/Start slider to the ON location. (fig.2)
- 4.8.2.3. Push the primer bulb 1-2 times, until fuel comes into the primer bulb (fig.3).
- 4.8.2.4. The choke lever (fig.4) must be kept in the OFF position.
- 4.8.2.5. Pull the starter cord until the engine starts (fig.5).
- 4.8.2.6. Allow engine to warm up for a few minutes before using.
- 4.8.2.7. Depress the safety switch then squeeze the throttle trigger to start the operation (fig.2, fig.6). See Section 4.9 for instructions.

#### 4.9. IN USE

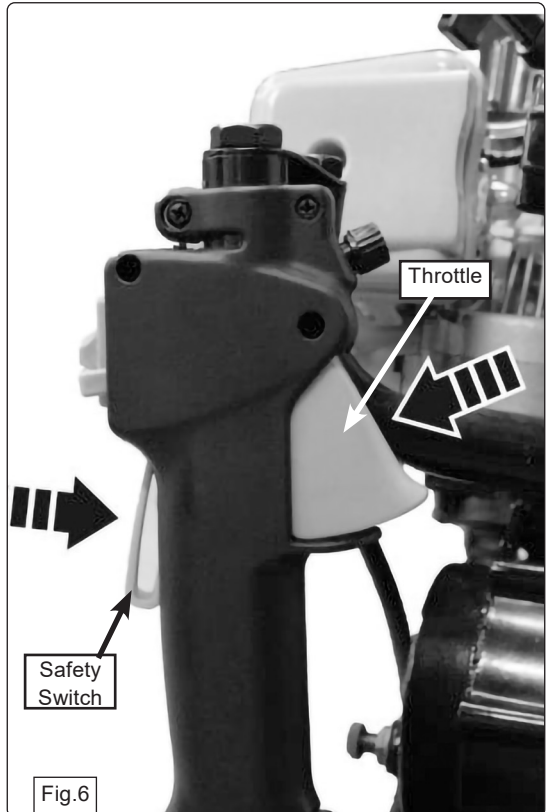
- 4.9.1. Hold the drill vertically. Place the rod against the ground.
- 4.9.2. Switch on the tool by sliding the Stop/Start slider to the ON location. (fig.2)
- 4.9.3. Pull the starter cord until the engine starts (fig.5).
- 4.9.4. Hold the drill by grasping the holding handle and main handle.
- 4.9.5. Gradually increase the speed by pressing and holding the safety switch and then pulling the acceleration trigger (fig.6). Exert some downward force.
- 4.9.6. When the drill rod has penetrated 10 cm into the ground, grasp the frame strongly and increase the effort downwards.
- 4.9.7. To drill a deep hole, lower the rod gradually.
- 4.9.8. When you have dug the required size, decrease the drilling speed.
- 4.9.9. Lift the auger out of the hole and stop the machine by releasing the trigger and sliding the Stop/Start slider up to the OFF position (fig.2).
- 4.9.10. Let the machine stop completely before placing it on the ground.

#### 4.10. PRECAUTIONS DURING THE OPERATION

- 4.10.1. Spectators (especially children and animals) should remain at least 5 metres away from the workspace. Stop anyone from entering the workspace during the operation.
- 4.10.2. When a person comes close, stop the machine to avoid possible injury.
- 4.10.3. Pay attention to your work and the environment where you work. Stop the operation immediately something unexpected happens.
- 4.10.4. Avoid working on slopes. If you absolutely have to work on a slope, pay double attention to avoid accidents and injuries.
- 4.10.5. Switch the machine off when you take a break, change the workplace and leave the machine unattended.
- 4.10.6. Never touch the drill rod while operating the machine.
- 4.10.7. During usage keep all parts of the body away from the auger.
- 4.10.8. Wait until the machine has stopped completely before placing it on the ground.

#### 4.11. JAMMING AND BREAKDOWNS

- 4.11.1. When the drill gets stuck, release the accelerator to slow down the machine.
- 4.11.2. You have to release the accelerator and return to idle to enable auger withdrawal.
- 4.11.3. In case of failure, stop the machine completely. Check the machine and have it inspected and repaired by a qualified service technician.



## 5. MAINTENANCE

**NOTE:** Service your tool regularly. This shall keep your tool in good working condition and extend its service life.

- × **DO NOT** use abrasive and corrosive agents to clean the tool. These types of products damage your tool.
- × **DO NOT** repair it yourself. Repairs and inspections should be performed by a qualified person or an authorized service centre (please contact your stockist).

### 5.1. AFTER EACH USE

Check the rod and tool body for cleanliness, wear, damage, etc. If you notice damage, wear or malfunction, **DO NOT** use the tool and submit it to a qualified service for inspection and repair.

### 5.2. AIR FILTER

Check the air filter after each use. Remove the filter cover (fig.4) by unscrewing the central screw and lift out the filter housing. Remove the filter from the housing and clean it using warm water and detergent. Dry thoroughly before replacing.

Change the air filter after each season (or after 50 hours of use).

### 5.3. SPARK PLUG

Check, clean and readjust, if necessary, the spark plug every 6 months. In case of replacement, contact the after-sales service.

### 5.4. GEAR OIL INJECTION PORT (FIG.7)

After 30 hours of use, change the oil. Remove the valve with a spanner. Drain the oil inside.

Add new special oil (gear oil, SAE 85W / 90, 150 ml maximum). Replace the valve.

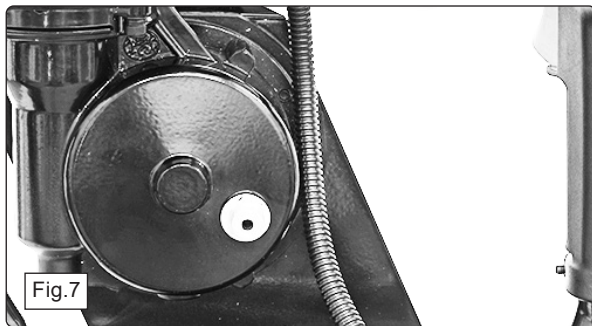
### 5.5. STORAGE

#### 5.5.1. Clean the machine

Store the machine in a dry and safe place. It should be out of the reach of children.

Place the machine in its packaging to avoid contact with the drill rod.

When storing for long periods of time, empty the fuel tank completely.



#### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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