

DYRABREST DL113PE900-1+DL113P9F00-1

DYRABREST 63cc 2-Stroke Gasoline Earth Auger Post Hole Digger User Manual

Model: DL113PE900-1+DL113P9F00-1

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your DYRABREST 63cc 2-Stroke Gasoline Earth Auger Post Hole Digger. This powerful tool is designed for various digging tasks, including planting, fence installation, and general garden work. Please read this manual thoroughly before operating the machine to ensure your safety and prolong the life of the product.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or death.

2.1 General Safety

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, heavy-duty gloves, and sturdy footwear.
- Do not operate the auger when tired, under the influence of alcohol, drugs, or medication.
- Keep children and bystanders at a safe distance (at least 15 meters / 50 feet) from the operating area.
- Inspect the work area for hidden obstacles such as rocks, roots, pipes, or electrical cables before digging.
- Ensure all guards and safety devices are in place and functioning correctly before each use.

2.2 Fuel Safety

- Gasoline is highly flammable. Handle fuel with extreme care.
- Mix fuel outdoors or in a well-ventilated area.
- Do not smoke or bring any open flames near the fuel or the auger.

- Wipe up any spilled fuel immediately.
- Store fuel in approved containers in a cool, well-ventilated area, away from ignition sources.
- Never refuel a hot or running engine. Allow the engine to cool down before refueling.

Refer to the warning label on the fuel tank for important fuel mixing instructions.



Image: Close-up view of the fuel tank, showing the translucent tank and an orange cap, with a yellow warning label clearly visible. The label provides instructions for fuel type and mixing ratio.

3. PRODUCT OVERVIEW

The DYRABREST Earth Auger is a robust tool designed for efficient hole digging. Familiarize yourself with its main components:

- **Engine Unit:** The gasoline-powered 2-stroke engine provides the necessary power.
- **Handlebar Assembly:** Ergonomically designed dual handles for stable operation and control.
- **Fuel Tank:** Translucent tank for easy monitoring of fuel level.
- **Drill Bit (Auger):** Steel spiral bit for digging into various soil types.
- **Controls:** Throttle trigger, stop switch, and choke lever located on the handlebar.



Image: An overall view of the DYRABREST 63cc Earth Auger Post Hole Digger, with the drill bit partially submerged in soil, illustrating its primary function.



Image: A top-down perspective of the auger's engine and handle assembly, showing the layout of the controls and the engine housing.



Image: A detailed close-up of one of the handles, highlighting the throttle trigger and the red stop switch for easy access during operation.

4. SETUP

4.1 Assembly

1. Carefully unpack all components and check for any damage.
2. Attach the drill bit to the engine unit's output shaft. Ensure it is securely fastened with the provided pin or locking mechanism.
3. Verify that all bolts and connections are tight before operation.



Image: A side view of the fully assembled earth auger, showing the engine unit connected to the long spiral drill bit.

4.2 Fuel Mixing

This auger uses a 2-stroke gasoline engine and requires a specific fuel mixture. Use a ratio of **25 parts gasoline to 1 part 2-stroke engine oil**.

1. Obtain fresh, unleaded gasoline (minimum 89 octane).
2. Use high-quality 2-stroke engine oil specifically designed for air-cooled engines.
3. In an approved fuel mixing container, first add the required amount of gasoline.
4. Then, add the correct amount of 2-stroke oil according to the 25:1 ratio.
5. Securely close the container and shake it well to ensure thorough mixing.
6. Pour the mixed fuel into the auger's fuel tank using a funnel to prevent spills. Do not overfill.

5. OPERATING INSTRUCTIONS

5.1 Starting the Engine

1. **Press the Oil Bubble:** Before each start, repeatedly press the primer bulb (oil bubble) until fuel is visible and flowing into the carburetor.
2. **Close the Choke:** For a cold engine, push the choke lever to the 'CLOSED' position. For a warm engine, the choke may not be necessary.
3. **Pull the Starter Handle:** With a firm grip on the handles, pull the starter handle briskly 5-8 times. You should hear the engine attempt to ignite.
4. **Open the Choke:** Once you hear the engine 'pop' or attempt to start, immediately push the choke lever to the 'OPEN' position.
5. **Restart:** Pull the starter handle again 1-3 times until the engine starts and runs smoothly.
6. Allow the engine to warm up for a few moments before engaging the throttle.

5.2 Operating the Auger

- Always operate the auger with both hands firmly on the handles. The ergonomic dual-handle design allows for stable control.
- Position the auger bit over the desired digging location.
- Slowly engage the throttle to begin rotating the drill bit. Apply gentle downward pressure.
- Allow the auger to dig into the soil. If the bit encounters resistance, reduce pressure or lift slightly to clear debris.
- Periodically lift the auger slightly to clear loose soil from the hole, especially in deep digging.
- Maintain a balanced stance and be prepared for kickback if the auger hits a solid obstruction.



Image: A collage demonstrating the versatility of the earth auger, with images of it digging post holes in soil and being used for ice fishing, alongside a view of the main unit and drill bits.

5.3 Stopping the Engine

To stop the engine, simply press the red 'STOP' switch located on the handle. This will immediately cut off ignition.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your earth auger.

6.1 After Each Use

- Clean the drill bit and engine unit of any dirt, mud, or debris.
- Inspect the drill bit for wear or damage. Replace if necessary.
- Check all fasteners for tightness.

6.2 Periodic Maintenance

- **Air Filter:** Clean the air filter regularly (more often in dusty conditions). Remove, clean with warm soapy water, rinse, dry thoroughly, and re-oil lightly if it's a foam filter.
- **Spark Plug:** Inspect the spark plug for fouling or wear. Clean or replace as needed. Refer to specifications for the correct spark plug type and gap.
- **Fuel Filter:** Inspect and clean or replace the fuel filter as part of routine maintenance.

6.3 Storage

- Before long-term storage, drain the fuel tank and run the engine until it stops from lack of fuel. This prevents fuel degradation and carburetor issues.
- Clean the entire unit thoroughly.
- Store the auger in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Engine won't start	No fuel or incorrect fuel mix	Check fuel level and ensure correct 25:1 mix.
Engine won't start	Choke in wrong position	Adjust choke according to starting procedure.
Engine won't start	Spark plug fouled or wet	Clean or replace spark plug.
Loss of power during operation	Dirty air filter	Clean or replace air filter.
Loss of power during operation	Incorrect fuel mix	Ensure correct 25:1 fuel mix.

8. SPECIFICATIONS

Technical details for the DYRABREST 63cc Earth Auger Post Hole Digger:

- **Engine Model:** 1E48F
- **Engine Type:** Single-cylinder, Air-cooled, Two-stroke Gasoline Engine
- **Displacement:** 63cc

- **Max. Power:** 2.2kW (3 HP)
- **Rotational Speed:** 7500 rpm/min
- **Fuel Type:** Mixed Oil (Gasoline + Engine Oil)
- **Fuel Ratio:** 25 (Gasoline) : 1 (Engine Oil)
- **Recommended Drill Diameter:** 150-250mm (5.91-9.84in)
- **Post Hole Digger Size (Engine Unit):** 55 x 39 x 34 cm (21.65 x 15.35 x 13.38 in)
- **Drill Bit Length:** 80 cm (31.49 in)
- **Drill Spiral Diameter:** 30 cm (12 in)
- **Total Length (Assembled):** 112 cm (44.09 in)
- **Net Weight (Post Hole Digger):** 10 kg (22.05 lbs)

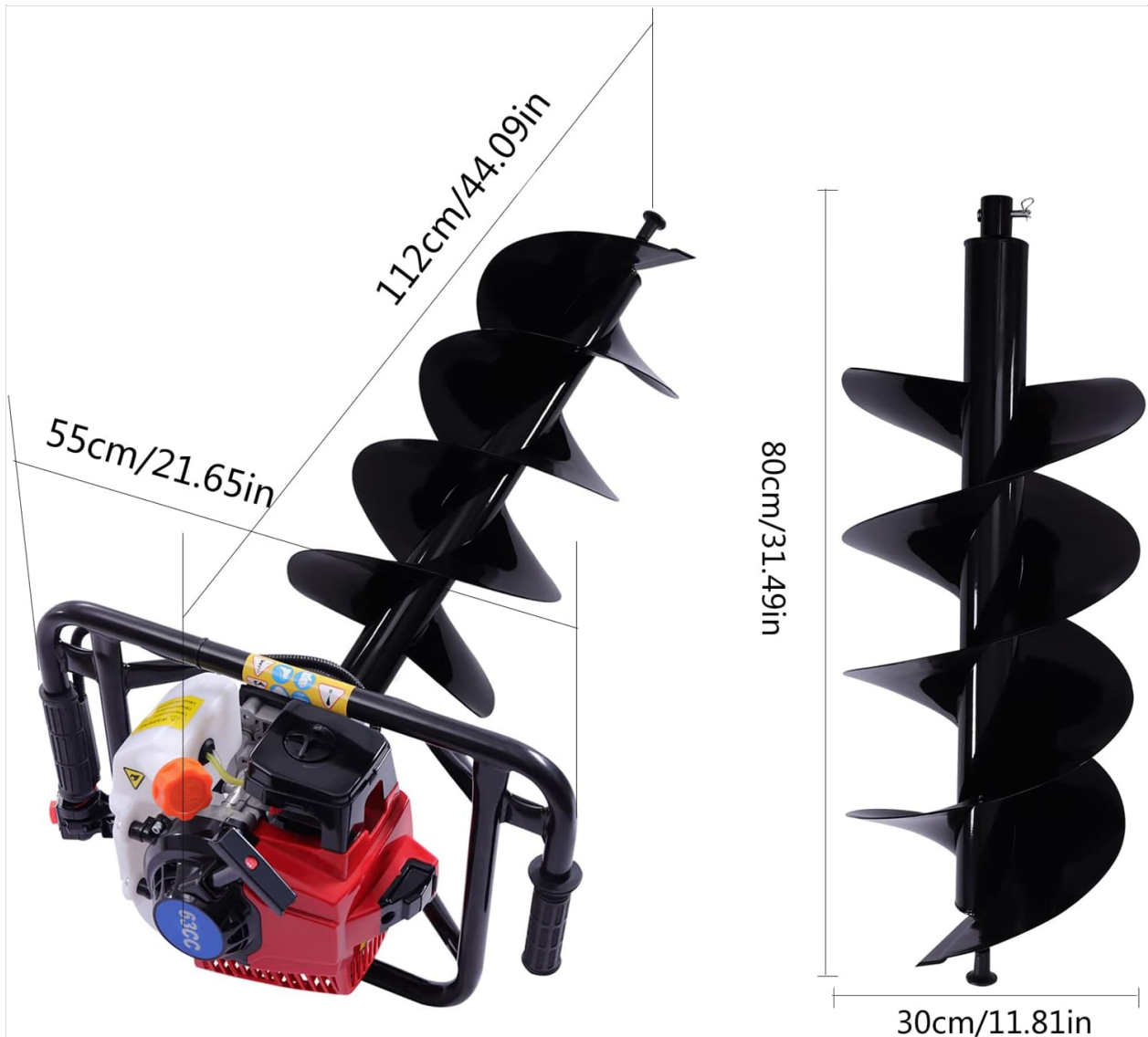


Image: A diagram illustrating the key dimensions of the earth auger, including the engine unit and the drill bit, with measurements in centimeters and inches.

9. WARRANTY AND SUPPORT

For any questions, concerns, or technical assistance regarding your DYRABREST Earth Auger, please contact the manufacturer or your retailer. Keep your purchase receipt as proof of purchase for warranty claims.

