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› vidaXL Petrol Backpack Leaf Blower (Model 145828) Instruction Manual

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Model: 145828 | Brand: vidaXL

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient operation, maintenance, and care of your vidaXL Petrol Backpack Leaf Blower, Model 145828. This ergonomically designed leaf blower is an ideal solution for clearing fallen leaves from driveways, patios, gardens, or any other area. Equipped with a powerful 2-stroke engine, the leaf blower provides a high-speed airflow, creating a vortex to efficiently gather fallen leaves. The adjustable control handle facilitates easier cleaning. Its backpack design with wide shoulder straps ensures comfortable use for extended periods. This product is GS certified, indicating compliance with the highest safety standards.



Figure 1: Overview of the vidaXL Petrol Backpack Leaf Blower.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Safety Precautions:

- When operating the device, keep children and other bystanders away. Do not allow children to play with the device; it is not a toy.
- Wear personal protective equipment (PPE) before use. This includes eye protection, hearing protection, gloves, and sturdy footwear.
- Do not operate the leaf blower in wet conditions or rain.
- Ensure proper ventilation when operating the engine. Avoid enclosed spaces.
- Handle fuel with extreme care. Store fuel in approved containers and in a well-ventilated area.
- Never refuel while the engine is running or hot.
- Inspect the unit for loose parts or damage before each use.
- Do not modify the leaf blower in any way.

- Always maintain a firm grip on the control handle during operation.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your leaf blower before operation.

- **Engine Unit:** The core power unit, a 2-stroke, air-cooled engine (Model 1E40FE, Euro V).
- **Blower Tube Assembly:** Directs the airflow.
- **Control Handle:** Features throttle control and engine stop switch.
- **Fuel Tank:** For petrol and oil mixture.
- **Backpack Harness:** For comfortable carrying during operation.
- **Starting Mechanism:** Pull cord starter.
- **Air Filter Cover:** Protects the air filter.



Figure 2: Control Handle with throttle and stop switch.



Figure 3: Padded backpack harness for user comfort.

4. SETUP AND ASSEMBLY

4.1. Assembly of Blower Tubes

1. Carefully unpack all components from the packaging.
2. Attach the flexible hose to the engine unit's air outlet, securing it with the provided clamp.
3. Connect the straight blower tubes to the flexible hose, ensuring a snug fit.
4. Attach the nozzle to the end of the blower tube.

4.2. Fuel Preparation

This leaf blower uses a 2-stroke engine and requires a specific mixture of unleaded petrol and 2-stroke engine oil. Refer to the engine specifications for the correct mixing ratio (typically 25:1 or 50:1, consult your engine manual for exact details).

- Always mix fuel in an approved fuel container.
- Pour the correct amount of 2-stroke oil into the container first, then add unleaded petrol.
- Shake the container gently to ensure thorough mixing.
- **Do not use pure petrol or automotive oil.**



Figure 4: Fuel cap indicating petrol and oil mixture.

4.3. Filling the Fuel Tank

1. Ensure the engine is off and cool.
2. Move to a well-ventilated outdoor area, away from sparks or open flames.
3. Unscrew the fuel cap slowly to release any pressure.

4. Carefully pour the prepared fuel mixture into the fuel tank using a funnel to prevent spills.
5. Do not overfill. Leave some space for fuel expansion.
6. Securely replace the fuel cap. Wipe up any spilled fuel immediately.

4.4. Attaching the Backpack Harness

Attach the backpack harness to the main engine unit. Adjust the shoulder straps and waist belt for a comfortable and secure fit. The unit should sit firmly on your back without excessive movement.

5. OPERATING INSTRUCTIONS

5.1. Starting the Engine

Follow these steps to start your leaf blower. Refer to the starting instruction diagram on the unit for visual guidance.



Figure 5: Engine starting instruction panel.

1. **Power Switch (1):** Ensure the power switch is in the "ON" (I) position.

2. **Primer Bulb (2):** Press the primer bulb 7-10 times until fuel is visible in the return line.
3. **Choke Lever (3):** Move the choke lever to the "CLOSED" (full choke) position.
4. **Starting Cord (4):** Pull the starting cord firmly and steadily until the engine attempts to start (usually 1-3 pulls). Do not pull the cord to its full extension.
5. **Choke Adjustment (3):** Once the engine attempts to start, move the choke lever to the "HALF CHOKE" position.
6. **Starting Cord (4):** Pull the starting cord again until the engine starts.
7. **Choke Adjustment (3):** Once the engine is running, move the choke lever to the "OPEN" (run) position.
8. Allow the engine to warm up for a few moments before applying full throttle.

5.2. Operating the Leaf Blower

- Wear the leaf blower comfortably on your back, adjusting the straps as needed.
- Hold the control handle firmly with both hands if necessary.
- To increase airflow, squeeze the throttle trigger on the control handle.
- Direct the blower tube towards the leaves or debris you wish to clear. Use a sweeping motion to gather material into piles.
- Avoid directing the airflow towards people, animals, or fragile objects.

5.3. Stopping the Engine

To stop the engine, release the throttle trigger and move the power switch to the "OFF" (O) position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your leaf blower.

6.1. After Each Use

- Clean the exterior of the leaf blower with a damp cloth.
- Check for any loose screws or damaged parts. Tighten or replace as necessary.
- Clear any debris from the air intake vents.

6.2. Air Filter

Inspect the air filter regularly (e.g., every 10 hours of operation) and clean or replace it if it is dirty. A clogged air filter can reduce engine performance and increase fuel consumption.

6.3. Spark Plug

Check the spark plug periodically. Clean any carbon deposits and adjust the gap if needed. Replace the spark plug annually or if it shows signs of wear.

6.4. Fuel System

- Drain the fuel tank before long-term storage (over 30 days) to prevent fuel degradation.
- Run the engine until it stops from lack of fuel to clear the carburetor.

6.5. Storage

Store the leaf blower in a clean, dry, and well-ventilated area, out of reach of children and away from heat sources or open flames.



Figure 6: Tools included for basic maintenance.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your leaf blower.

Problem	Possible Cause	Solution
Engine does not start.	• Power switch in "OFF" position. • No fuel or incorrect fuel mixture. • Choke not set correctly. • Spark plug fouled or faulty. • Fuel filter clogged.	• Move power switch to "ON". • Check fuel level and mixture. Refuel if necessary. • Adjust choke according to starting instructions. • Clean or replace spark plug. • Clean or replace fuel filter.
Engine starts but runs poorly or stalls.	• Incorrect choke setting. • Clogged air filter. • Stale fuel. • Spark plug issue.	• Move choke to "OPEN" (run) position. • Clean or replace air filter. • Drain old fuel and replace with fresh mixture. • Inspect and clean/replace spark plug.

Problem	Possible Cause	Solution
Low blowing power.	• Clogged blower tube. • Engine not running at full RPM. • Clogged air filter.	• Clear any obstructions from the blower tube. • Check throttle control. • Clean or replace air filter.

8. TECHNICAL SPECIFICATIONS

Brand	vidaXL
Model Number	145828
Engine Model	1E40FE, Euro V
Engine Type	2-stroke, air-cooled
Displacement	42.7 CC
Airflow Capacity	900 m³/h
Speed	7500 rpm
Noise Level	108 Decibels
Dimensions (L x W x H)	170 x 40 x 42 cm
Weight	8 Kilograms
Color	Orange
Materials	Metal and plastic

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact vidaXL customer service directly. Keep your proof of purchase for any warranty claims.

For technical support, spare parts, or service inquiries, please visit the official vidaXL website or contact their customer support channels. Always provide your product model number (145828) and serial number when seeking support.

