

LEHMANN PE-50B

LEHMANN PE-50B 4-in-1 Thermal Leaf Blower and Vacuum User Manual

Model: PE-50B | Brand: LEHMANN

1. INTRODUCTION

Thank you for choosing the LEHMANN PE-50B 4-in-1 Thermal Leaf Blower and Vacuum. This versatile garden tool is designed to efficiently manage leaves and garden debris through its blowing, vacuuming, and shredding functions. Powered by a robust 26cc two-stroke engine, it offers a maximum air speed of 350 km/h and includes a 45-liter collection bag for convenience. This manual provides essential information for the safe and effective operation, assembly, and maintenance of your device.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, long pants, sturdy footwear, and gloves during operation.
- **Fuel Handling:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Avoid smoking or open flames near fuel. Store fuel in approved containers.
- **Bystanders:** Keep children, pets, and other people at a safe distance (at least 15 meters / 50 feet) from the operating area.
- **Pre-Operation Check:** Before each use, inspect the unit for loose parts, damage, or obstructions. Ensure all tubes and the collection bag are securely attached.
- **Ventilation:** Operate the device outdoors only. Exhaust fumes contain carbon monoxide, which is a dangerous gas.
- **Clear Work Area:** Remove any objects that could be thrown or entangled by the machine, such as rocks, sticks, or wires.
- **Secure Grip:** Maintain a firm grip on the handles during operation.
- **Emergency Stop:** Familiarize yourself with the location and operation of the engine stop switch.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, contact your retailer.



Image 3.1: All components of the LEHMANN PE-50B leaf blower and vacuum, including the main unit, various tubes, collection bag, and oil.

- LEHMANN PE-50B Main Unit (Engine and Fan Housing)
- Blowing Tube Assembly (multiple sections)
- Suction Tube Assembly (multiple sections)
- 45-liter Leaf Collection Bag with Shoulder Strap
- Extension Nozzle
- 0.5L Special 2-Stroke Engine Oil
- User Manual

4. SETUP

4.1. Assembling for Blower Mode

1. Attach the main blowing tube section to the blower outlet on the main unit. Ensure it clicks securely into place.
2. Connect the extension nozzle to the end of the main blowing tube.



Image 4.1: Illustration of connecting the blowing tubes to the main unit.

4.2. Assembling for Vacuum/Shredder Mode

1. Remove the blowing tube assembly.
2. Attach the suction tube assembly to the main unit's intake opening. Ensure it is firmly secured.
3. Connect the 45-liter leaf collection bag to the blower outlet. The bag should be securely fastened to prevent detachment during operation.
4. Attach the shoulder strap to the collection bag for comfortable use.



Image 4.2: The LEHMANN PE-50B configured for vacuuming, showing the suction tube and attached collection bag.

4.3. Fuel Preparation and Filling

The LEHMANN PE-50B uses a 2-stroke engine and requires a specific fuel mixture.

- **Fuel Mixture:** Mix unleaded gasoline with 2-stroke engine oil at a ratio of **25:1** (25 parts gasoline to 1 part oil). Use the provided 0.5L special oil or a high-quality 2-stroke engine oil.
- **Filling the Tank:**
 - a. Ensure the engine is off and cool.
 - b. Move to a well-ventilated outdoor area, away from sparks or flames.
 - c. Carefully open the fuel tank cap.
 - d. Pour the pre-mixed fuel into the tank, avoiding overfilling.
 - e. Securely close the fuel tank cap. Wipe up any spilled fuel immediately.



Image 4.3: Detailed view of the fuel tank, primer bulb, and choke lever on the LEHMANN PE-50B.

5. OPERATING INSTRUCTIONS

5.1. Starting the Engine

1. Place the unit on a flat, stable surface.
2. Set the engine stop switch to the "ON" position.
3. Push the primer bulb 5-7 times until fuel is visible in the return line.
4. Move the choke lever to the "CLOSED" (start) position.
5. Pull the starter cord firmly and steadily until the engine attempts to start (usually 1-3 pulls). Do not pull the cord to its full extension.
6. Once the engine attempts to start, move the choke lever to the "OPEN" (run) position.

7. Pull the starter cord again until the engine starts and runs smoothly.
8. Allow the engine to warm up for a few moments before operating at full throttle.

5.2. Using the Blower Function

Hold the blower firmly with both hands. Direct the nozzle towards the leaves or debris you wish to move. The powerful airflow (up to 350 km/h) will effectively clear surfaces.



Image 5.1: An individual operating the LEHMANN PE-50B in blower mode, clearing leaves from a lawn.



Image 5.2: The blower actively moving leaves, highlighting its operational speed (7500 RPM, 350 KM/H) and noise level (112 dB).

5.3. Using the Vacuum and Shredder Function

With the vacuum tubes and collection bag attached, guide the suction nozzle over the leaves. The powerful suction will draw leaves into the unit, where they will be shredded by internal blades before being collected in the 45-liter bag. This reduces the volume of debris, making disposal easier.



Image 5.3: Visual representation of the vacuum mode, showing leaves being drawn into the unit and collected in the 50L bag (note: product specifies 45L bag).

Note: Avoid vacuuming wet leaves, large sticks, stones, or other hard objects, as these can damage the shredder blades or clog the unit.

5.4. Stopping the Engine

To stop the engine, simply move the engine stop switch to the "OFF" position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your LEHMANN PE-50B. Always ensure the engine is off and cool before performing any maintenance.

- **Cleaning:** After each use, clean the exterior of the unit with a damp cloth. Remove any debris from the air intake, fan housing, and tubes.
- **Air Filter:** Periodically check and clean the air filter. A dirty air filter can reduce engine performance. Refer to the engine diagram for location.

- **Spark Plug:** Inspect the spark plug for wear and proper gap. Replace if necessary.
- **Shredder Blades:** Regularly inspect the shredder blades for damage or excessive wear. Replace worn blades to maintain shredding efficiency.
- **Fuel System:** For long-term storage, drain the fuel tank and run the engine until it stops to clear the carburetor of fuel. This prevents fuel degradation and starting issues.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine won't start	Engine stop switch in "OFF" position No fuel or incorrect fuel mix Choke not set correctly Spark plug fouled or damaged Air filter clogged	Move switch to "ON" Check fuel level and mix; refill if necessary Adjust choke as per starting instructions Clean or replace spark plug Clean or replace air filter
Loss of power during operation	Clogged air filter Incorrect fuel mix Obstruction in blower/vacuum tubes	Clean air filter Ensure correct 25:1 fuel mix Stop engine, clear any obstructions
Excessive vibration	Loose components Damaged fan or shredder blades	Check and tighten all fasteners Inspect fan/blades for damage; replace if necessary

8. SPECIFICATIONS

Feature	Detail
Model Number	PE-50B
Brand	LEHMANN
Engine Type	2-stroke, 26 cc
Engine Power	3.5 HP
Max Engine Speed	7500 rpm
Max Air Speed	350 km/h (97 m/s)
Fuel Type	Unleaded Gasoline + 2-stroke Oil
Fuel Mix Ratio	25:1
Fuel Tank Capacity	0.5 Liters
Collection Bag Capacity	45 Liters




Feature	Detail
Dimensions (L x W x H)	95.5 x 25 x 34 cm
Item Weight	4 Kilograms
Material	Plastic
Power Source	Gas-powered
Special Feature	4-in-1: Blower, Vacuum, Shredder, Collection

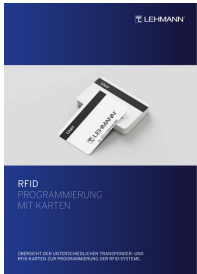
9. WARRANTY AND SUPPORT

Warranty information for the LEHMANN PE-50B is typically provided with your purchase documentation or can be found on the official LEHMANN website. Please retain your proof of purchase for any warranty claims.

For technical support, spare parts, or further assistance, please contact LEHMANN customer service through their official website or the contact information provided in your product packaging.

Related Documents - PE-50B

	<p>Lehmann Firmware Updater: Operating Instructions for Locks and RFID Readers</p> <p>This document provides operating instructions for the LEHMANN Firmware Updater software, detailing how to update firmware on Lehmann locks, RFID readers, and terminals. Includes system requirements, compatible products, and step-by-step guidance.</p>
	<p>LEHMANN Management Software User Guide: Configuration and Operation</p> <p>Comprehensive user guide for LEHMANN Management Software (LMS), detailing configuration, operation, and management of LEHMANN RFID systems in both offline and online modes. Covers transponder and lock management, user settings, and system administration.</p>
	<p>LEHMANN CNC Rotary Tables - Main Catalog Edition 4 PGD, E, DD Series</p> <p>LEHMANN's Main Catalog Edition 4 for CNC Rotary Tables. Explore PGD, E-Series, DD Series, and more. High-speed, backlash-free solutions for industrial automation and precision manufacturing.</p>



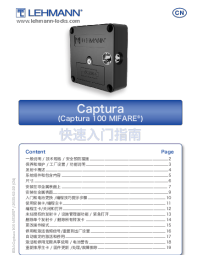
[LEHMANN RFID Kartenprogrammierung: Anleitung und Übersicht](#)

Erfahren Sie, wie Sie LEHMANN RFID-Schließsysteme mit verschiedenen Karten wie Installations-, Master- und User-Karten programmieren. Diese Anleitung erklärt die Betriebsmodi, Funktionen und den Reset-Prozess.



[Lehmann M410 Keypad Lock Operating Instructions](#)

Comprehensive operating instructions for the Lehmann M410 Keypad Lock (M410 TA03), covering installation, operation, maintenance, and troubleshooting.



[Lehmann Captura 100 MIFARE® Quick Start Guide](#)

This guide provides instructions for installing, configuring, and operating the Lehmann Captura 100 MIFARE® electronic furniture lock. It covers features like different operating modes, user card management, safety precautions, and troubleshooting.