

Loncin LC1P75F/B

Loncin LC1P75F/B Gasoline Engine User Manual

Model: LC1P75F/B

1. INTRODUCTION

The Loncin LC1P75F/B gasoline engine is a reliable, modern, versatile, and ergonomic device featuring a vertical shaft. This engine is designed for a wide range of applications, including tillers, lawnmowers, and other garden machinery. It offers stable performance, high efficiency, economical fuel consumption, and low noise levels.

This 4-stroke OHV (Overhead Valve) engine has a single cylinder with a cast iron alloy sleeve for enhanced durability. Air cooling is facilitated by cooling fins that draw airflow through the manual starter holes. With a displacement of 224 cubic centimeters and a maximum power output of 6 HP at 3600 rpm, it delivers robust performance. The replaceable dual-cleaning air filter helps maintain a consistent operating temperature. The engine also features advanced automatic speed control. Its compact size and light weight (12.4 kg) make it suitable as a replacement engine for various devices with a 22.2 mm diameter crankshaft shaft.

2. SAFETY INSTRUCTIONS

Always read and understand this manual before operating the engine. Failure to follow instructions can result in serious injury or property damage.

- **Fuel Safety:** Gasoline is highly flammable. Store fuel in approved containers in a well-ventilated area. Do not refuel while the engine is running or hot. Avoid spilling fuel.
- **Exhaust Fumes:** Engine exhaust contains carbon monoxide, a colorless, odorless, poisonous gas. Operate the engine only in well-ventilated outdoor areas. Never operate indoors.
- **Hot Surfaces:** The engine and exhaust system become very hot during operation and remain hot for a period after stopping. Avoid contact to prevent burns.
- **Moving Parts:** Keep hands, feet, and clothing away from moving parts such as the crankshaft and recoil starter.
- **Personal Protective Equipment (PPE):** Wear appropriate safety gear, including eye protection, gloves, and sturdy footwear.
- **Children and Pets:** Keep children and pets away from the engine during operation and while it is cooling down.
- **Maintenance:** Always disconnect the spark plug cap before performing any maintenance or inspections to prevent accidental starting.



Figure 2.1: Side view of the Loncin LC1P75F/B engine, showing the fuel cap and a caution sticker regarding high temperatures.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Loncin LC1P75F/B engine.

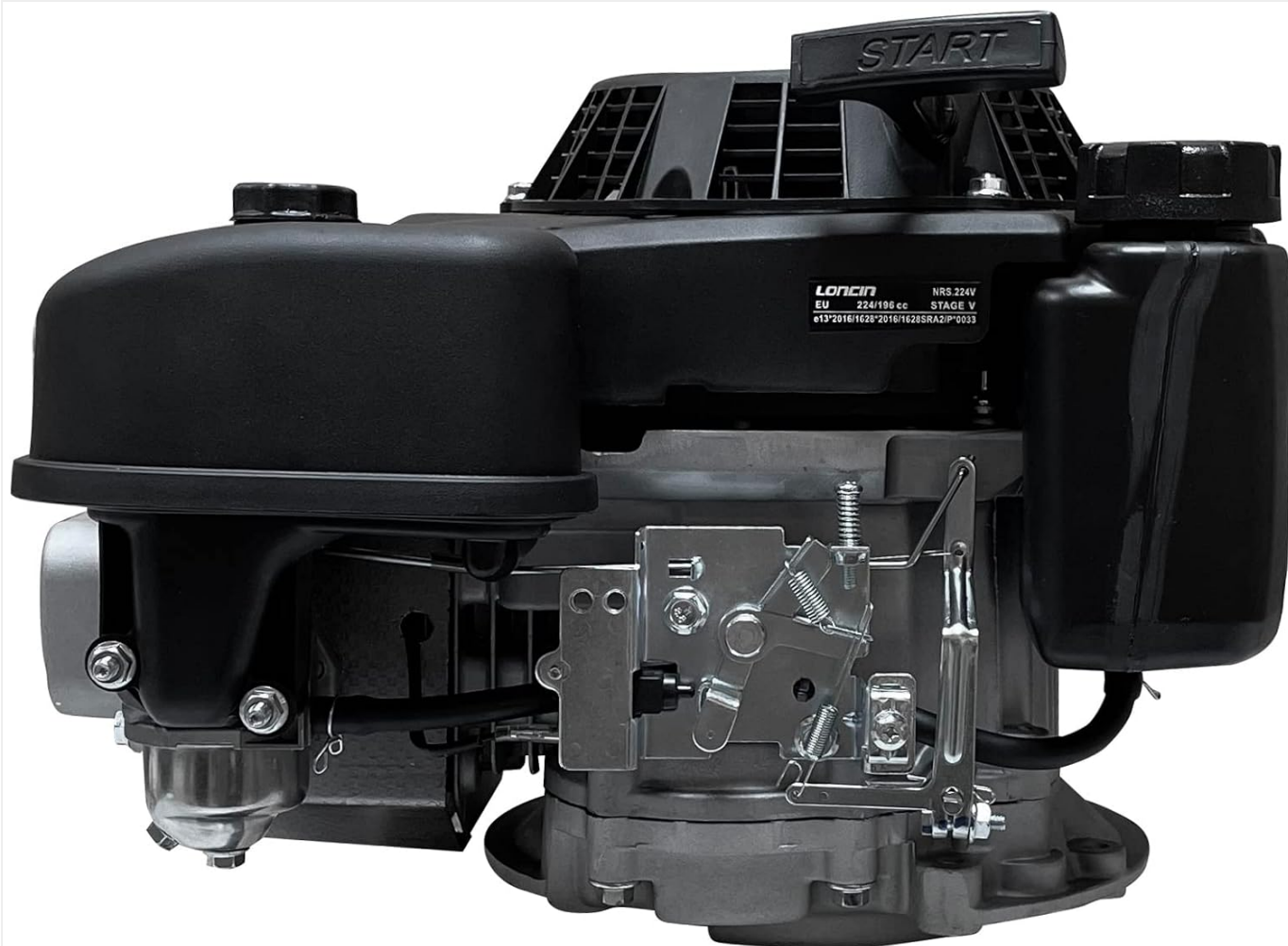


Figure 3.1: View of the engine highlighting the recoil starter handle ("START") and the carburetor linkage for speed control.



Figure 3.2: Close-up view of the engine, showing the OHV (Overhead Valve) cover, indicating the engine type.

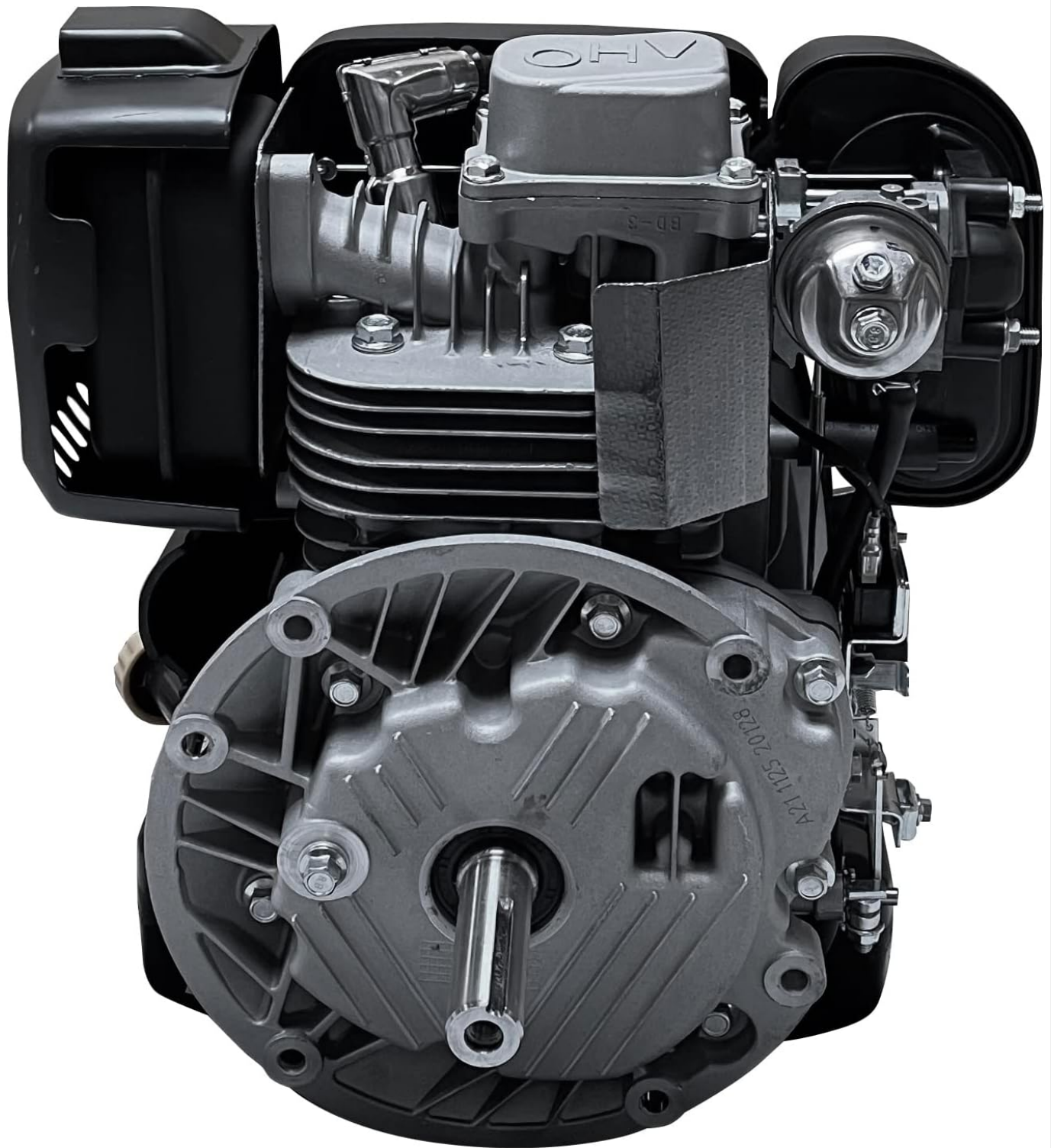


Figure 3.3: Bottom view of the engine, clearly showing the vertical crankshaft output shaft.

4. SETUP

4.1 Unpacking

Carefully remove the engine and all components from the packaging. Inspect for any shipping damage. Retain packaging for future storage or transport.

4.2 Fuel and Oil Filling

Before first use, the engine must be filled with appropriate fuel and engine oil.

- **Engine Oil:** Fill the crankcase with 0.5 liters of recommended 4-stroke engine oil. Do not overfill. Check the oil level using the dipstick.
- **Fuel:** Fill the fuel tank with up to 1.4 liters of unleaded gasoline. Use fresh, clean gasoline. Do not use E85 or E15 fuel.



Figure 4.1: Side view indicating the location of the fuel cap (yellow) and the oil fill/dipstick.

4.3 Mounting

The Loncin LC1P75F/B engine features a vertical shaft with a diameter of 22.2 mm and a usable length of 47 mm. Ensure proper alignment and secure mounting to your equipment using appropriate fasteners. The crankshaft has a direct output under the keyway, and rotation is counter-clockwise when viewed from the shaft side.

5. OPERATION

5.1 Pre-Operation Checks

- Check engine oil level.
- Check fuel level.
- Inspect the air filter for cleanliness.
- Ensure all fasteners are tight.
- Verify that the equipment attached to the engine is in good working order.

5.2 Starting the Engine (Rope Start)

1. Ensure the fuel valve is open (if applicable).
2. Move the choke lever to the 'CHOKE' position (for cold starts).
3. Move the throttle lever to the 'FAST' position.

4. Grasp the recoil starter handle firmly. Pull slowly until resistance is felt, then pull quickly and smoothly to start the engine.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position as the engine warms up.

5.3 Stopping the Engine

1. Move the throttle lever to the 'SLOW' or 'IDLE' position.
2. Move the engine switch to the 'OFF' position.
3. Close the fuel valve (if applicable) for storage.

5.4 Speed Control

The engine is equipped with automatic speed control. Adjust the throttle lever to achieve the desired engine speed for your application.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your engine. Always ensure the engine is off and cool before performing any maintenance.

6.1 Air Filter Cleaning/Replacement

The engine features a dual-cleaning air filter. Inspect the air filter regularly, especially when operating in dusty conditions. Clean or replace the filter elements as needed to ensure proper airflow and prevent engine damage.



Figure 6.1: Front view of the engine, showing the air filter housing on the left side.

6.2 Oil Change

Change the engine oil after the first 5-10 hours of operation, and then every 50 hours or annually, whichever comes first. Drain the old oil while the engine is warm, then refill with 0.5 liters of recommended 4-stroke engine oil.

6.3 Spark Plug Inspection

Inspect the spark plug annually or every 100 hours. Clean or replace if fouled or worn. Ensure the gap is set to the manufacturer's specification.

6.4 Storage

For extended storage, drain the fuel tank and carburetor, or add a fuel stabilizer. Change the engine oil. Clean the engine thoroughly. Store in a clean, dry, well-ventilated area.

7. TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, consult a qualified service technician.

• **Engine Does Not Start:**

- Check fuel level.
- Ensure fuel valve is open.
- Check spark plug for fouling or damage.
- Ensure choke is set correctly for cold start.
- Check engine oil level (low oil shutdown may be active).

• **Engine Runs Poorly/Lacks Power:**

- Check air filter for clogging.
- Inspect spark plug.
- Ensure fresh fuel is used.
- Check for proper throttle lever position.

• **Excessive Smoke:**

- **Blue Smoke:** Engine burning oil. Check oil level (overfilled) or engine wear.
- **Black Smoke:** Rich fuel mixture. Check air filter, carburetor adjustment.
- **White Smoke:** Water in fuel or engine.

8. SPECIFICATIONS

Technical data for the Loncin LC1P75F/B gasoline engine.

Feature	Specification
Manufacturer	Loncin
Model Number	LC1P75F/B
Engine Type	EURO 5, OHV, Single-cylinder, 4-stroke, Forced Air Cooling
Displacement	224 cm³
Bore × Stroke	75 × 50.8 mm
Max. Engine Power	4.5 kW / 6 HP at 3600 rpm
Max. Torque	14 Nm at 2500 rpm
Shaft Diameter	22.2 mm (with keyway)
Usable Shaft Length	47 mm
Fuel Tank Volume	1.4 l
Engine Oil Volume	0.5 l
Starting System	Rope Start
Dimensions (L×W×H)	384 × 341 × 258 mm
Net Weight	12.4 kg
Rotation Direction	Counter-clockwise (viewed from shaft side)

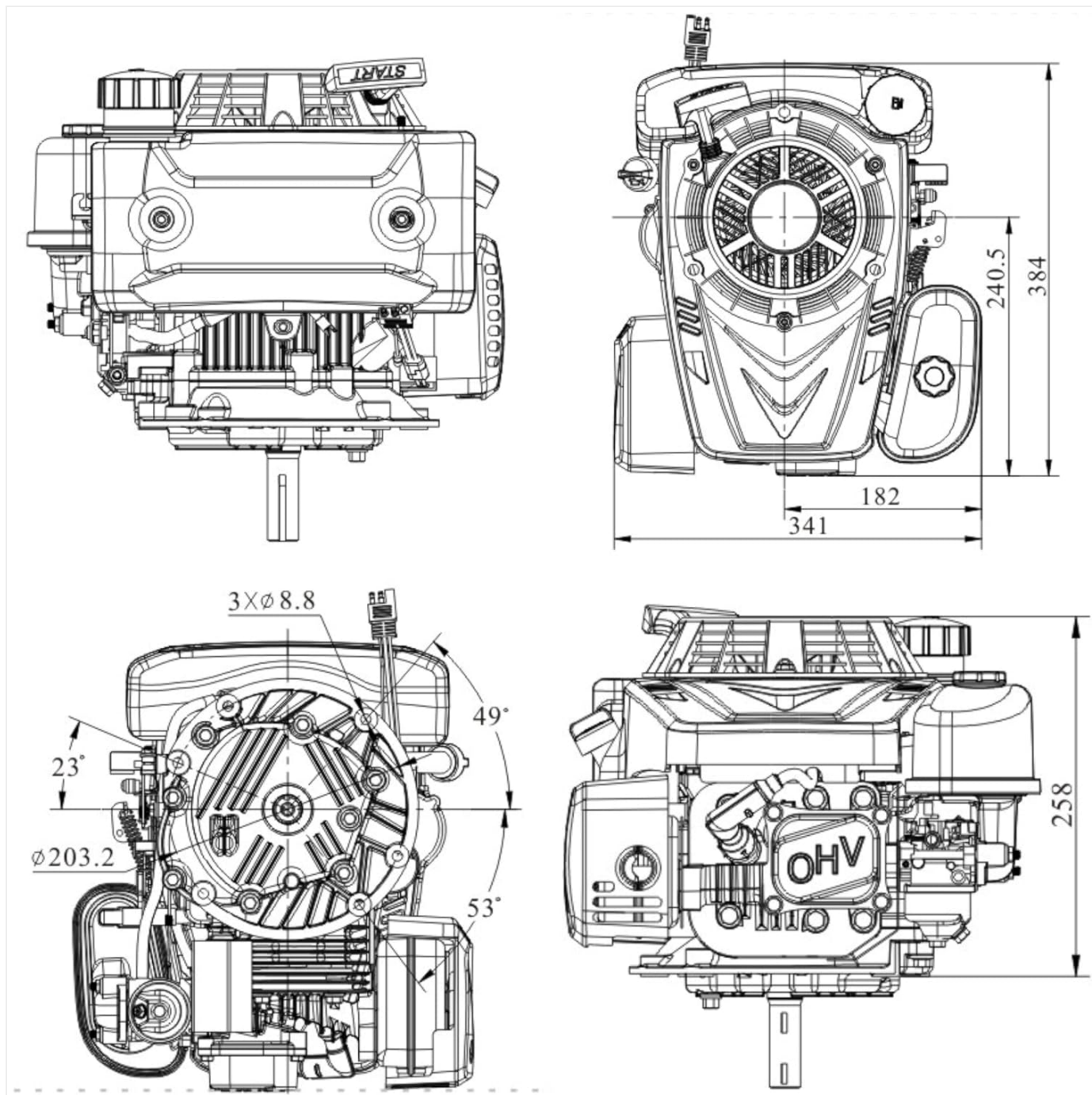


Figure 8.1: Technical drawing showing overall dimensions and mounting points of the engine.

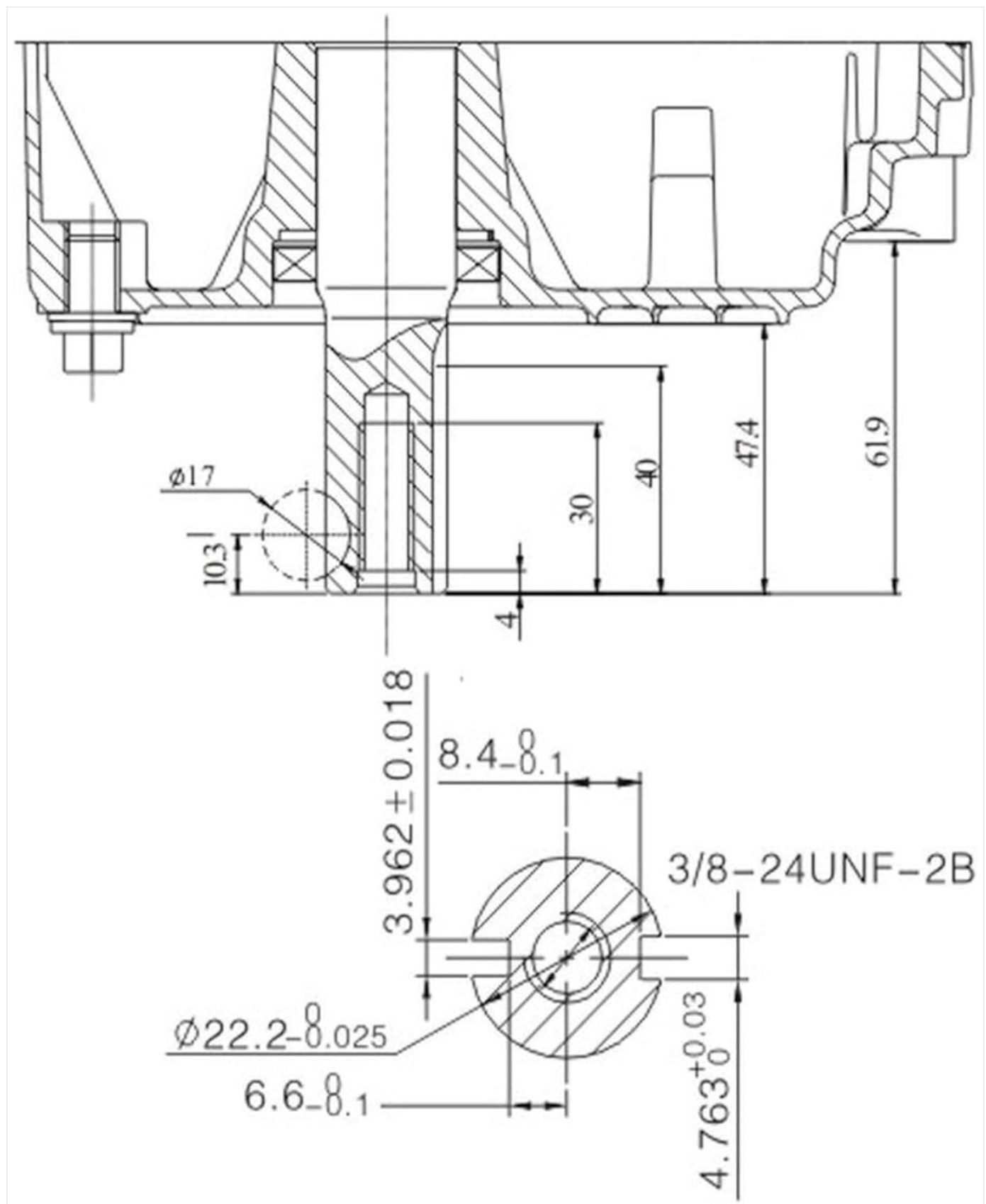


Figure 8.2: Detailed technical drawing illustrating the crankshaft dimensions, including diameter and keyway specifications.

9. INCLUDED COMPONENTS

The following items are typically included with your Loncin LC1P75F/B engine:

- Loncin LC1P75F/B Gasoline Engine
- 1 set of wrenches
- 1 instruction manual

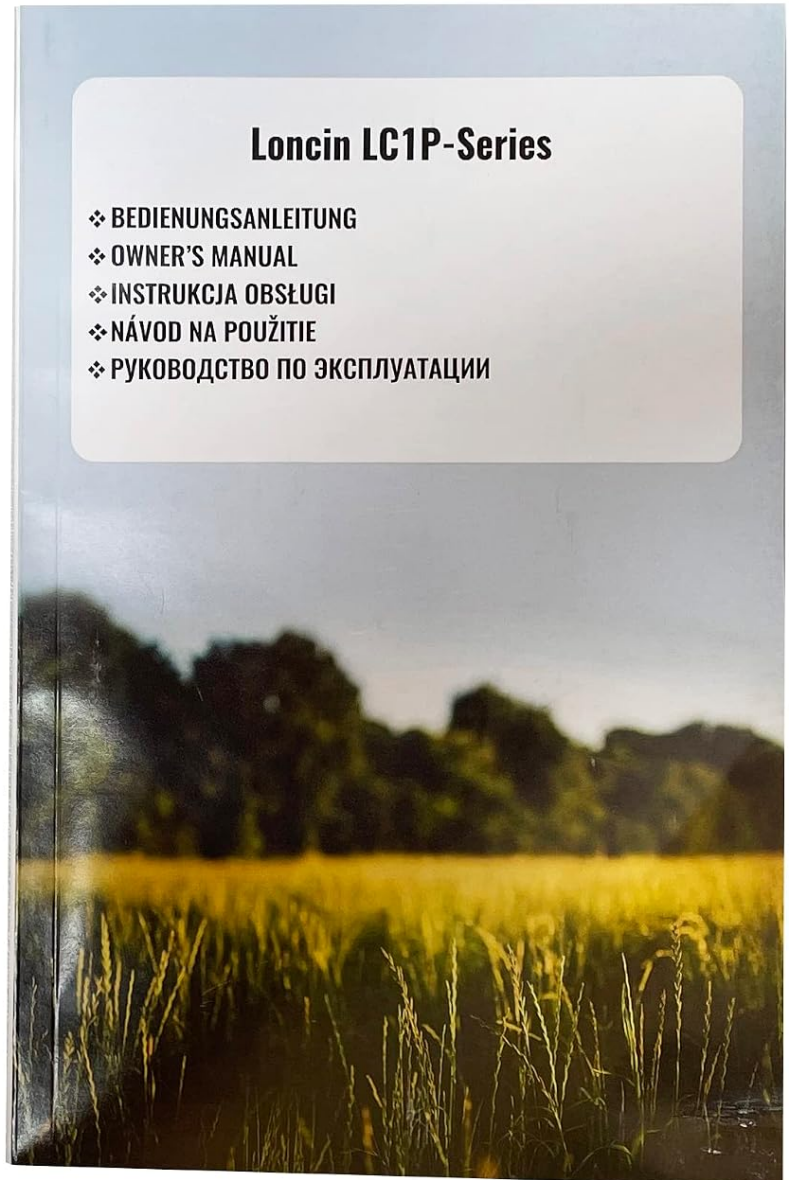


Figure 9.1: The included wrench set and the owner's manual for the Loncin LC1P-Series engine.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question