**Saved from manuals.plus.**
**Open the live page for links to other documents and user manuals.**



**GDAE10 YLYO37I6WDML8-1**

# 1-Inch Gas-Powered Water Transfer Pump User Manual

Brand: GDAE10 | Model: YLYO37I6WDML8-1

## 1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your GDAE10 1-Inch Gas-Powered Water Transfer Pump. Please read this manual thoroughly before operating the pump to ensure proper use and to prevent injury or damage.




Image: The GDAE10 1-Inch Gas-Powered Water Transfer Pump, featuring its compact design and sturdy frame.

## 2. Safety Instructions

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

- Always operate the pump in a well-ventilated area to avoid carbon monoxide poisoning.
- Do not refuel the pump while the engine is running or hot. Allow it to cool down.
- Keep flammable materials away from the pump during operation.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.
- Ensure all connections are secure before starting the pump.
- Keep children and pets away from the operating area.
- Do not operate the pump if it is damaged or malfunctioning.
- Always drain fuel and water before storing the pump for extended periods.

## 3. Package Contents

Upon opening the package, verify that all the following items are included:

- 1-Inch Gas-Powered Water Transfer Pump Unit
- Instruction Manual
- Toolkit (includes wrench, screwdriver, spark plug wrench, etc.)
- Fuel Mixing Bottle/Container
- Hose Clamps and Connectors
- Filters (Water & Air)




Image: Contents of the product package, showing the main pump unit, a toolkit, a fuel mixing bottle, and various connectors and filters.

## 4. Product Components and Features

### 4.1 Labeled Diagram




Image: A detailed diagram highlighting key components of the pump, including the water inlet, water outlet, water filler cap, drain plug, speed regulation knob, and engine shutdown switch.

- **Water Inlet:** Connection point for the suction hose.
- **Water Outlet:** Connection point for the discharge hose.
- **Water Filler Cap:** Used to prime the pump by filling the pump casing with water.
- **Drain:** Plug for draining water from the pump casing.
- **Speed Regulation:** Control for adjusting engine RPM and pump flow rate.
- **Shutdown:** Switch to turn off the engine.

### 4.2 Durable Construction




Image: Visual details of the pump's robust construction, including the iron frame for stability, the aluminum alloy pump body for durability, and the protective ABS casing for the engine.

- **Iron Frame:** Provides a sturdy and stable base for the pump, protecting internal components.
- **Aluminum Alloy Pump Body:** Ensures high hardness, abrasion resistance, and corrosion protection for long service life.
- **ABS Casing:** Protects the engine from external elements and impacts.

### 4.3 User-Friendly Design




Image: Features designed for ease of use, including a one-click shutdown button, a gear-controlled speed adjustment, a convenient drawstring start mechanism, and a silencing hood for reduced noise.

- **One-Click Shutdown:** Simplifies turning off the pump for safety and convenience.
- **Gear Controlled Speed:** Allows precise adjustment of pump performance.
- **Drawstring Start:** Traditional and reliable starting method.
- **Silencing Hood:** Designed to reduce operational noise.

## 5. Specifications

| Attribute | Value |
|---|---|
| Brand | GDAE10 |
| Model Number | YLYO37I6WDML8-1 |
| Power Source | Gas Powered (2-Stroke) |

| | |
|---|---|
| Engine Displacement | 43CC |
| Maximum Flow Rate | 706.29 Cubic Feet Per Hour (approx. 3300 GPH) |
| Maximum Lifting Height (Head) | 262.47 Feet |
| Product Dimensions (L x W x H) | 15.74"L x 11"W x 11.81"H |
| Item Weight | 19.6 Pounds |
| Fuel Tank Capacity | 0.32 Gallons |
| Material | Aluminum (pump body), Iron (frame) |

## 6. Setup

1. **Positioning:** Place the pump on a firm, level surface in a well-ventilated area, away from any flammable materials.
2. **Connecting Hoses:**
    - Attach the suction hose securely to the **Water Inlet**. Ensure the hose is airtight to prevent air leaks, which can affect pump performance.
    - Attach the discharge hose securely to the **Water Outlet**.
    - Use the provided hose clamps to ensure tight connections.




Image: Detail showing the universal 1-inch inlet and outlet ports, designed for easy hose connection, along with other features like the drain plug and filters.

3. **Fueling:**
    - This is a 2-stroke engine. Mix unleaded gasoline with 2-stroke engine oil at the ratio specified in the engine manual (typically 25:1 or 50:1, refer to engine specifications).
    - Use the provided fuel mixing bottle for accurate ratios.
    - Carefully pour the mixed fuel into the fuel tank. Do not overfill.
    - Wipe up any spilled fuel immediately.




Image: The pump's fuel tank, highlighting its capacity and the pump's low fuel consumption design.

4. **Priming the Pump:**
    - Before starting, remove the **Water Filler Cap** and fill the pump casing completely with clean water. This is crucial for the pump to create suction.
    - Replace the water filler cap securely.

## 7. Operation

1. **Starting the Engine:**
    - Ensure the fuel valve is open (if applicable).
    - Set the choke lever to the "START" or "CHOKE" position (cold engine).
    - Pull the drawstring starter firmly and smoothly until the engine starts. Do not pull the rope to its full extension.
    - Once the engine starts, gradually move the choke lever to the "RUN" position.
2. **Adjusting Flow:**

- Use the **Speed Regulation** knob to adjust the engine RPM and thus the water flow rate.

3. **Shutting Down:**
    - To stop the engine, press the **Shutdown** button or move the engine switch to the "OFF" position.

### Official Product Video: Operation Overview

Your browser does not support the video tag.

Video: This video demonstrates the basic operation of the 43CC 2-Stroke Semi-Trash Water Pump, including filling the water, adjusting speed, and shutting down the unit.

## 8. Maintenance

Regular maintenance ensures the longevity and optimal performance of your water pump.

- **After Each Use:**
    - Drain all water from the pump casing using the **Drain** plug to prevent freezing or corrosion.
    - Clean any debris from the pump and hoses.
- **Air Filter:**
    - Inspect and clean the air filter regularly, especially in dusty conditions. A clogged air filter can reduce engine performance.
- **Spark Plug:**
    - Check the spark plug periodically for wear and proper gap. Replace if necessary.
- **Fuel System:**
    - For long-term storage, drain all fuel from the tank and carburetor to prevent fuel degradation issues. Run the engine until it stops from lack of fuel.
- **General Cleaning:**
    - Keep the exterior of the pump clean. Do not use high-pressure water directly on the engine or electrical components.

## 9. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Engine does not start | No fuel; Choke not set; Spark plug issue; Clogged fuel filter | Check fuel level and mixture; Adjust choke; Inspect/replace spark plug; Clean/replace fuel filter |
| Pump not priming/No water flow | Pump not filled with water; Air leak in suction hose; Clogged inlet screen; Suction lift too high | Fill pump casing with water; Check all suction hose connections for leaks; Clean inlet screen; Reduce suction lift or use a shorter hose |
| Reduced water flow/pressure | Clogged impeller; Partially clogged hoses; Engine running at low RPM | Inspect and clear impeller; Check hoses for obstructions; Increase engine speed |

| | | |
|---|---|---|
| Excessive vibration/noise | Loose components; Unstable surface; Damaged impeller | Check and tighten all bolts; Place pump on a stable, level surface; Inspect impeller for damage |

## 10. Warranty and Support

For warranty information or technical support, please contact GDAE10 customer service. Keep your purchase receipt as proof of purchase.
Contact information may be found on the product packaging or the manufacturer's official website.

© 2023 GDAE10. All rights reserved.


### 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



**Open the live page**

**https://manuals.plus/asin/B0CHMKR41L**

More documents and user manuals: **https://manuals.plus/**