QQ-700 / GYB-63D

QQ-700 / GYB-63D Portable Electric Hydraulic Oil Pump Instruction Manual

Model: QQ-700 / GYB-63D | Brand: Generic

1. Introduction

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your QQ-700 / GYB-63D Portable Electric Hydraulic Oil Pump. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.

1.1 Safety Information

Always observe the following safety precautions:

- Read and understand all instructions before operating the pump.
- Ensure the pump is connected to the correct voltage supply (110V or 220V) as specified.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Do not operate the pump in wet conditions or near flammable materials.
- Regularly inspect the pump, hoses, and connections for damage or leaks.
- Use only recommended hydraulic oil types.
- Keep children and unauthorized personnel away from the operating area.

2. Product Overview

The QQ-700 / GYB-63D is a portable electric hydraulic oil pump designed for various industrial applications requiring high pressure. It features a compact design, robust construction, and efficient hydraulic performance.

Figure 2.1: Overview of the QQ-700 / GYB-63D Portable Electric Hydraulic Oil Pump.

2.1 Key Features

- **Voltage:** 110V / 220V (selectable)
- **Power:** 1.2 kW
- **Frequency:** 50Hz-60Hz
- **High Pressure:** 70 MPa
- **Low Pressure:** 7 MPa
- **High Pressure Flow:** 0.7 L/min
- **Low Pressure Flow:** 5 L/min
- **Speed:** 3700 R/min
- **Storage Capacity:** 2L
- **Oil Type:** 32# Anti-wear hydraulic oil or 7-15# Hydraulic transmission oil
- **Control:** Available with button switch or foot switch

Figure 2.2: The shockproof pressure gauge provides stable and clear readings, effectively minimizing vibration impact.

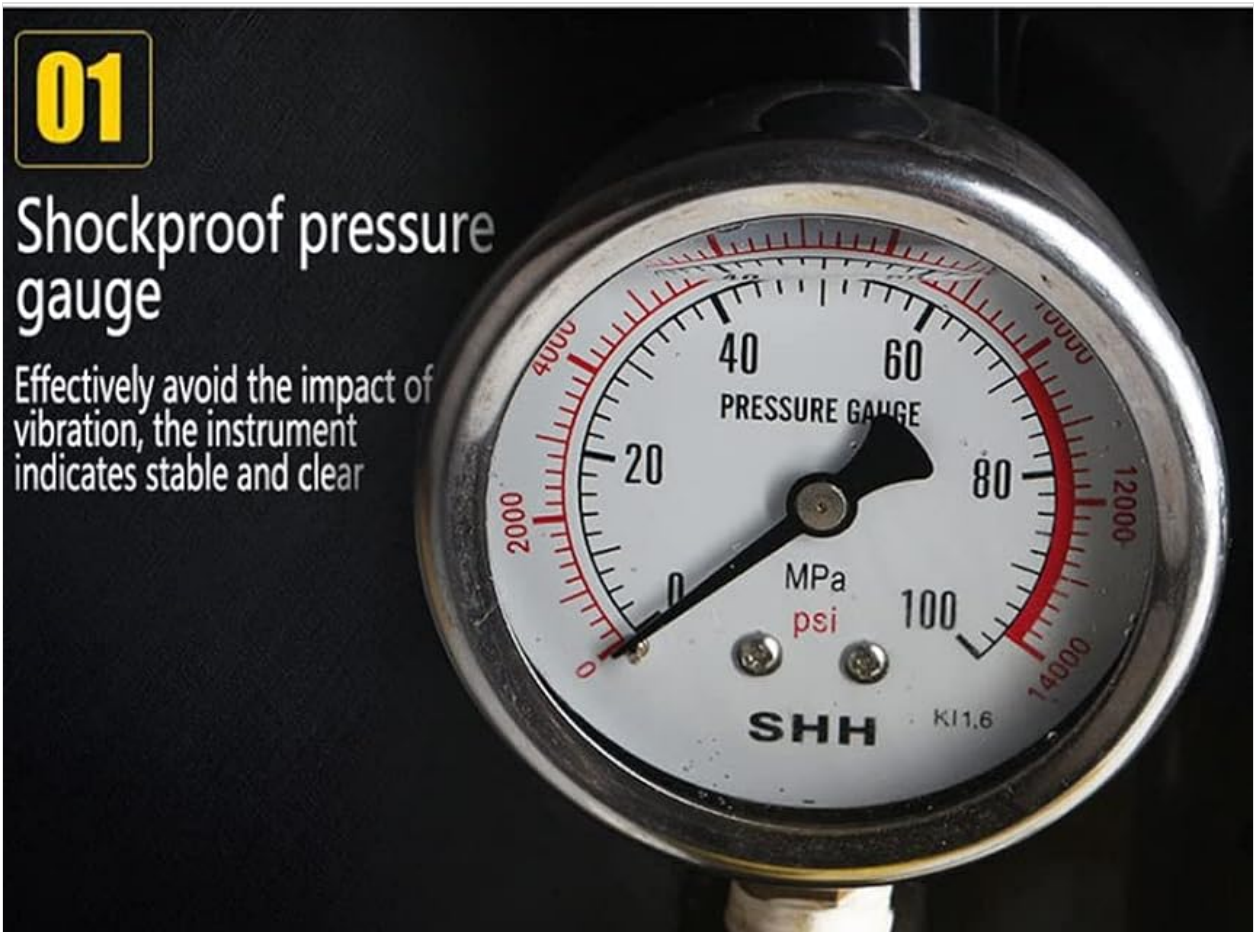

Figure 2.3: The pump is configured with a 3/8 quick interface for convenient and efficient connection.

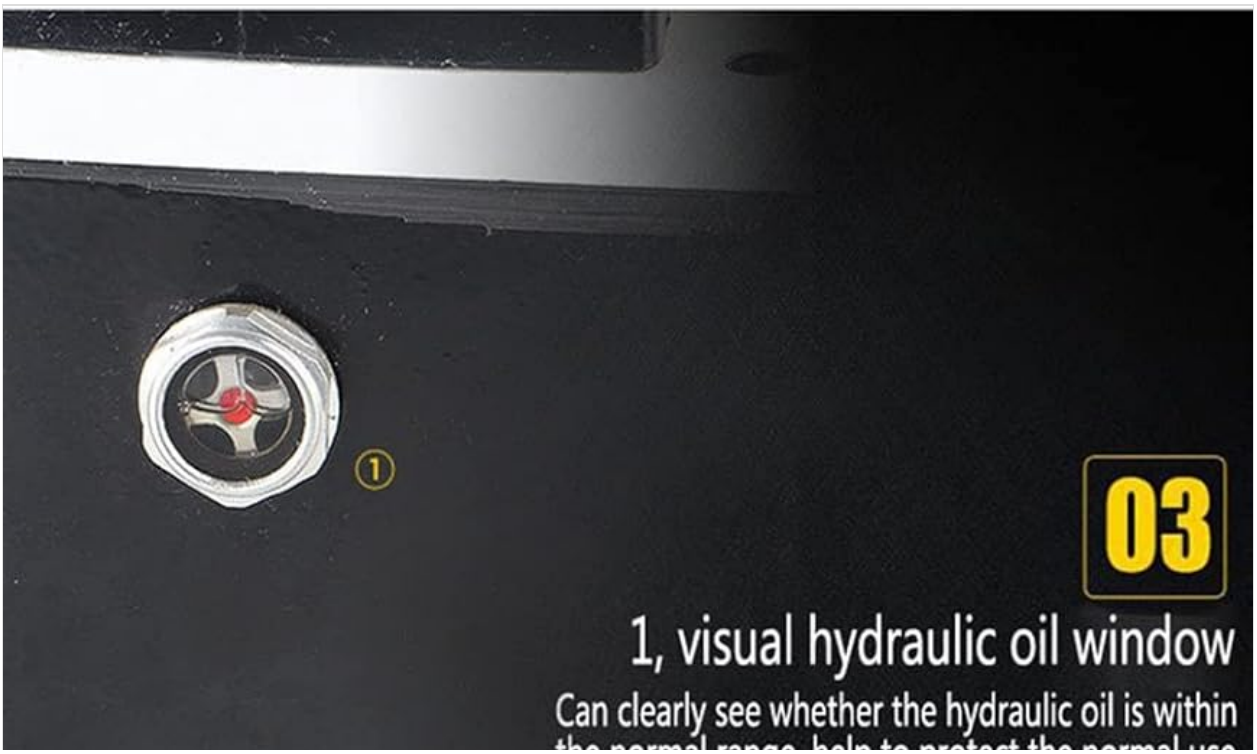

Figure 2.4: The visual hydraulic oil window allows for clear monitoring of the oil level, ensuring it remains within the normal range. The oil hole facilitates easy oil filling and maintenance.

3. Setup

Follow these steps for initial setup of your hydraulic pump:

1. **Unpacking:** Carefully remove the pump and all accessories from the packaging. Inspect for any shipping damage.
2. **Check Components:** Verify that all components listed in the packing list are present.
3. **Oil Filling:** Ensure the hydraulic oil reservoir is filled to the appropriate level. Use 32# Anti-wear hydraulic oil or 7-15# Hydraulic transmission oil. Refer to Figure 2.4 for the visual oil window.
4. **Power Connection:** Connect the pump to a power source matching the specified voltage (110V or 220V). Ensure the power outlet is properly grounded.

5. **Hose Connection:** Attach the hydraulic hose to the 3/8 quick interface on the pump and to your hydraulic tool or system. Ensure connections are secure and leak-free.

4. Operation

Operating the hydraulic pump involves connecting it to your hydraulic system and using the control switch to apply pressure.

4.1 Powering On/Off

- To power on, plug the pump into the appropriate electrical outlet.
- To power off, unplug the pump from the electrical outlet.

4.2 Using the Control Switches

The pump can be controlled using either a button switch or a foot switch, depending on the model received.

Figure 4.1: The pump is available with either a button switch (top) or a foot switch (bottom) for operation.

- **Button Switch:** Press the 'UP' button to activate the pump and increase pressure. Press the 'DOWN' button to release pressure.
- **Foot Switch:** Press the foot pedal to activate the pump and increase pressure. Release the foot pedal to stop the pump. Some foot switches may have separate pedals for 'UP' and 'DOWN' functions.

Monitor the pressure gauge (Figure 2.2) during operation to ensure the desired pressure is achieved and does not exceed the maximum rated pressure of 70 MPa.

5. Maintenance

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

5.1 Daily Checks

- Inspect hydraulic hoses and connections for any signs of wear, damage, or leaks.
- Check the hydraulic oil level using the visual oil window (Figure 2.4). Replenish if necessary.
- Clean the exterior of the pump to prevent dust and debris accumulation.

5.2 Hydraulic Oil Replacement

The hydraulic oil should be replaced periodically, typically every 6-12 months or after a certain number of operating hours, depending on usage intensity. Use only recommended oil types: 32# Anti-wear hydraulic oil or 7-15# Hydraulic transmission oil.

1. Ensure the pump is powered off and disconnected from the power source.
2. Place a suitable container under the oil drain plug (if available) or use a pump to extract old oil from the oil hole.
3. Dispose of old hydraulic oil responsibly according to local regulations.
4. Refill with new, clean hydraulic oil through the oil hole until the level is visible in the oil window.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your hydraulic pump.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Faulty power cord/plug; Motor issue	Check power connection and outlet; Inspect power cord; Contact support if motor is faulty.
Low or no pressure output	Low hydraulic oil level; Air in the system; Leaking hose/connection; Clogged filter	Check and refill oil; Bleed air from the system; Inspect and tighten connections/replace hose; Clean or replace filter.
Pump is noisy	Low oil level; Air in the system; Worn bearings	Check and refill oil; Bleed air from the system; Contact support for bearing replacement.
Oil leakage	Loose connections; Damaged seals/hoses	Tighten all connections; Replace damaged seals or hoses.

7. Specifications

Detailed technical specifications for the QQ-700 / GYB-63D Portable Electric Hydraulic Oil Pump:

Parameter	Value
Model	QQ-700 / GYB-63D
Voltage	110V / 220V
Power	1.2 kW

Parameter	Value
Frequency	50Hz-60Hz
High Pressure	70 MPa
Low Pressure	7 MPa
High Pressure Flow	0.7 L/min
Low Pressure Flow	5 L/min
Speed	3700 R/min
Storage Capacity	2L
Oil Type	32# Anti-wear hydraulic oil or 7-15# Hydraulic transmission oil
Item Weight	1 g (Note: This weight seems incorrect based on typical pump sizes. Please refer to product packaging for accurate weight.)
Manufacturer Reference	BBGEDNXEX
Country of Origin	China

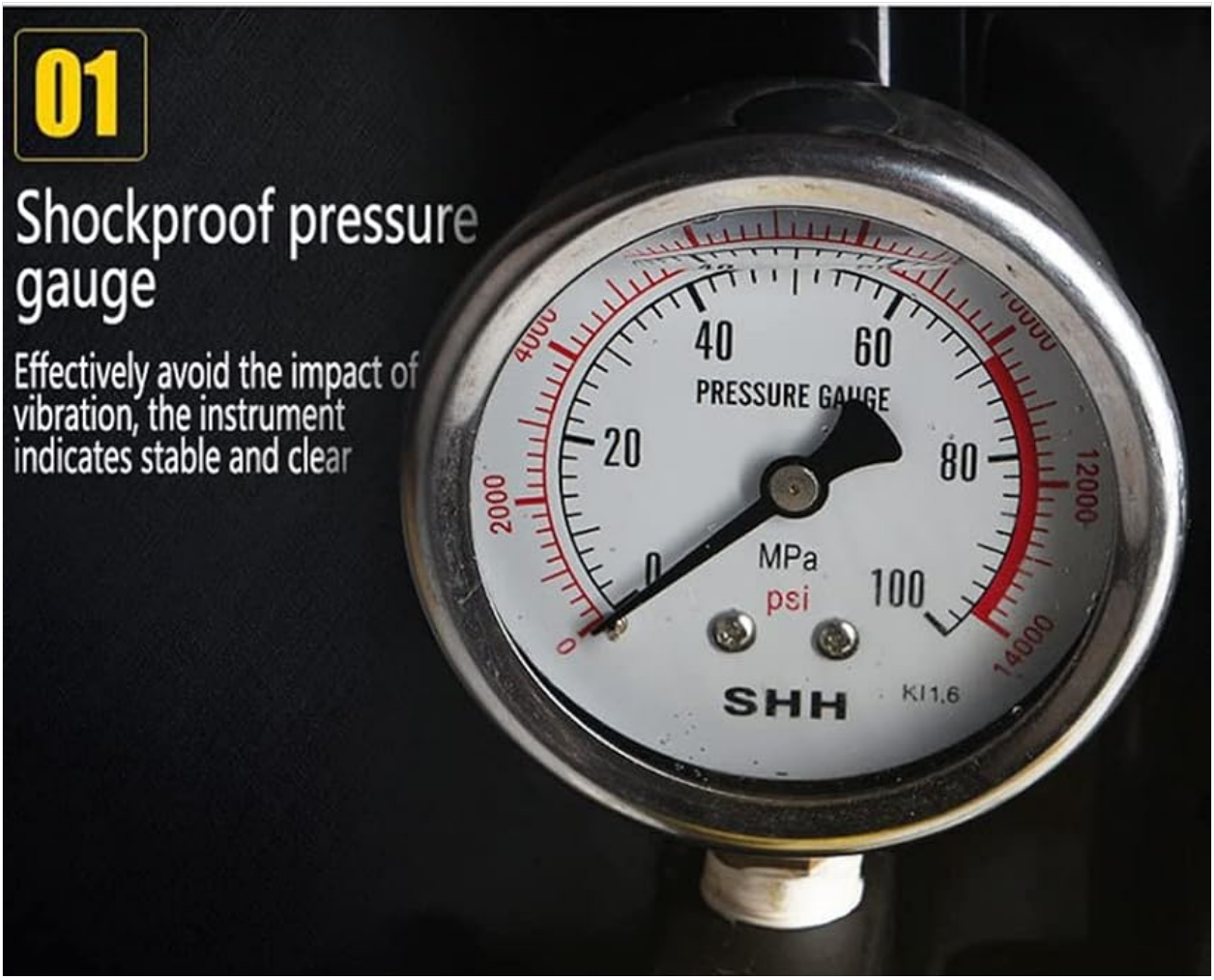

Figure 7.1: Approximate dimensions of the hydraulic pump (measurements in mm, refer to product for exact dimensions).

8. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact the seller directly. If you require technical assistance or have questions not covered in this manual, please reach out to the manufacturer or your point of purchase for support.