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Mxmoonant WS-19

Mxmoonant Electric Diesel Transfer Pump WS-19 User Manual

Model: WS-19

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Mxmoonant Electric Diesel Transfer Pump, model WS-19. This portable, self-priming pump is designed for transferring diesel and kerosene. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: The Mxmoonant Electric Diesel Transfer Pump, highlighting its portable design and rechargeable battery.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the pump.

- **Flammable Liquids:** This pump is designed exclusively for diesel and kerosene. **DO NOT** use with gasoline, corrosive liquids, water, or any other flammable or non-flammable liquids not specified. Using with unsuitable liquids can cause fire, explosion, or pump damage.
- **Ventilation:** Operate the pump in a well-ventilated area to avoid accumulation of fuel vapors.
- **Ignition Sources:** Keep the pump and work area free from open flames, sparks, and other ignition sources. Do not smoke while operating.
- **Electrical Safety:** Ensure batteries are charged in a safe environment. Do not expose the pump or batteries to rain or wet conditions.
- **Personal Protective Equipment:** Wear appropriate safety glasses and gloves when handling fuels.
- **Children and Bystanders:** Keep children and unauthorized persons away from the operating area.
- **Emergency Procedures:** Know how to stop the pump quickly in an emergency. Have fire extinguishers suitable for fuel fires readily available.

AVAILABLE FLUID



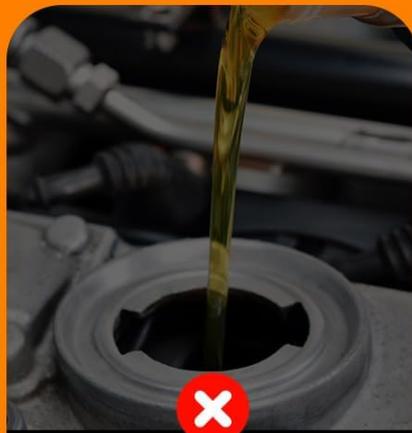
DIESEL



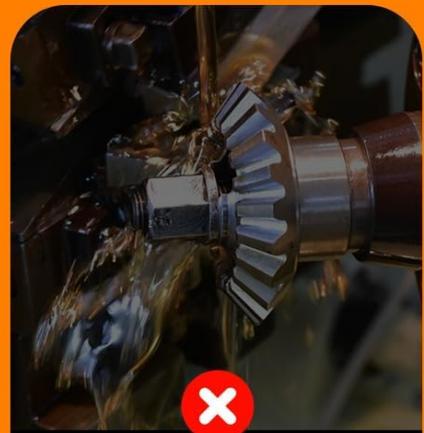
KEROSENE



LUBRICATING OIL



ENGINE OIL



HYDRAULIC OIL

Image 2.1: Permitted and prohibited fluids for transfer. Only use with diesel and kerosene.

3. PRODUCT OVERVIEW AND COMPONENTS

The Mxmoonant Electric Diesel Transfer Pump is designed for ease of use and portability. Familiarize yourself with its components before operation.

3.1 Main Unit



Image 3.1: Main pump unit with handle, on/off switch, and battery slot.

3.2 Included Accessories

The package typically includes the following items:

- Oil pump unit
- Hose clamps
- Seals and gaskets
- Filter
- 2 x 2000mAH Lithium-ion rechargeable batteries
- Battery charger
- Hose connectors
- Mounting bracket



Image 3.2: Complete set of pump and accessories.

2 X 2000 MAH BATTERIES

with two batteries, one can serve as a backup power source in case the other one becomes depleted.



Removable Battery



Image 3.3: The two 2000mAh lithium-ion batteries provide cordless operation and backup power.

4. SPECIFICATIONS

| Feature | Specification |
|---------------|-------------------|
| Brand | Mxmoonant |
| Model Number | WS-19 |
| Power | 260W |
| Speed | 4200 rpm |
| Max Flow Rate | 50 L/Min (13 GPM) |
| Max Lift | 8m / 26ft |

| Feature | Specification |
|-------------------|--------------------------------------|
| Max Suction | 5m / 16ft |
| Weight | 4.29 kg (8.8 lbs) |
| Battery Type | 2 x 2000mAH Lithium-ion |
| Material | Plastic (housing), Metal (pump body) |
| Dimensions | 26.6 x 26.2 x 18.1 cm |
| Applicable Fluids | Diesel, Kerosene |

PARAMETER



POWER

260W



SPEED

4200rpm



MAX FLOW

13GPM/50LPM



MAX FLIT

8m/26ft



MAX SUCTION

5m/16ft



WEIGHT

4kg/8.8lb



Image 4.1: Key performance parameters of the pump.

5. SETUP AND ASSEMBLY

Follow these steps to prepare your pump for operation.

1. **Charge Batteries:** Fully charge both lithium-ion batteries using the provided charger before first use.
2. **Attach Hoses:** Connect appropriate hoses (not included) to the "IN" (inlet) and "OUT" (outlet) ports of the pump. Secure them with the provided hose clamps to prevent leaks. Ensure a tight seal.
3. **Install Filter:** Attach the filter to the inlet hose to prevent debris from entering the pump.
4. **Insert Battery:** Insert a fully charged battery into the battery slot on the pump.
5. **Position Pump:** Place the pump on a stable, level surface. The integrated support base helps with stability.



Image 5.1: Visual guide for connecting hoses and preparing for fluid transfer.

6. OPERATING INSTRUCTIONS

Follow these steps for safe and effective fluid transfer.

1. **Prepare Source and Destination:** Place the inlet hose into the source container (e.g., diesel drum) and the outlet hose into the destination container (e.g., vehicle fuel tank). Ensure both hoses are securely in place and cannot fall out.
2. **Ensure Self-Priming:** The pump is self-priming. Ensure the inlet hose is fully submerged in the fluid.
3. **Start Pump:** Flip the ON/OFF switch to the "ON" position. The pump will begin transferring fluid.
4. **Monitor Transfer:** Continuously monitor the fluid transfer process. Do not leave the pump unattended.
5. **Stop Pump:** Once the transfer is complete or the source container is empty, flip the ON/OFF switch to the "OFF" position.
6. **Remove Hoses:** Carefully remove the hoses from the containers, allowing any residual fluid to drain back into the source or destination.

6.1 Important Operating Notes

- The pump is designed for intermittent use. Avoid continuous operation for extended periods to prevent overheating.
- If the pump loses prime, turn it off, check hose connections, and ensure the inlet is fully submerged before restarting.
- A fully charged 2000mAH battery can pump approximately 400L of diesel. Monitor battery life and have a spare charged battery ready.

7. MAINTENANCE

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

- **Cleaning:** After each use, clean the exterior of the pump with a damp cloth. Do not immerse the pump in water.
- **Filter Inspection:** Regularly inspect and clean the inlet filter to prevent blockages and maintain flow rate. Replace if damaged.
- **Hose Inspection:** Check hoses for cracks, leaks, or damage before each use. Replace damaged hoses immediately.
- **Storage:** Store the pump in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Battery Care:** Store batteries in a partially charged state (around 50%) if not used for a long time. Recharge fully before next use.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|------------------------------------|---|--|
| Pump does not start | Battery depleted or not inserted correctly. | Ensure battery is fully charged and properly seated. Try the spare battery. |
| Low flow rate or no fluid transfer | Inlet filter clogged; hoses kinked or blocked; pump not primed; air leak in system. | Clean filter; check hoses for obstructions; ensure inlet hose is fully submerged; check all connections for tightness. |
| Pump making unusual noise | Air in the system; debris in pump; pump running dry. | Check for air leaks; clean filter; ensure fluid supply. If noise persists, discontinue use and contact support. |
| Fluid leakage | Loose hose connections; damaged seals or hoses. | Tighten all hose clamps; inspect and replace damaged seals or hoses. |

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact Mxmoonant customer service directly. Keep your purchase receipt as proof of purchase.

Contact Information: Please refer to the contact details provided on the product packaging or the official Mxmoonant website for the most up-to-date support information.

10. APPLICATIONS

The Mxmoonant Electric Diesel Transfer Pump is a versatile tool suitable for various applications requiring the transfer of

diesel and kerosene.

- Refueling large trucks and commercial vehicles.
- Transferring fuel for engineering vehicles and construction machinery.
- Fueling agricultural equipment like combine harvesters and tractors.
- Marine applications for transferring diesel to boats and ships.
- General fuel transfer for small equipment and generators.

Le pompe di trasferimento diesel sono dispositivi affidabili, efficienti e versatili che contribuiscono al trasferimento regolare ed efficace del gasolio in vari settori e applicazioni.



AMPIA GAMMA DI APPLICAZIONI

Viene utilizzato in molti settori diversi, tra cui l'agricoltura, l'edilizia, i trasporti e le spedizioni.

Image 10.1: Examples of common applications for the diesel transfer pump.