

Model: MT-BL1840 (Tool Only, Battery Not Included)

1. Overview

The Mellif Cordless Water Transfer Pump is a portable, battery-powered utility pump designed for transferring water. It is compatible with Makita 18V slide-style lithium-ion batteries (battery and charger sold separately). The pump features a self-priming design, a built-in LED flashlight, and is constructed from ABS plastic.



Primary Use: Draining or transferring water from sources such as garden tubs, water tanks, pools, ponds, aquariums, and flooded areas.

2. Specifications

- **Brand:** Mellif
- **Model Number:** MT-BL1840
- **Power Source:** Makita 18V LXT Lithium-Ion Battery (Not Included)
- **Voltage:** 18V
- **Motor Wattage:** 180W

- **Maximum Flow Rate:** 430 Gallons Per Hour (GPH) / 7.16 Gallons Per Minute (GPM)
- **Maximum Head Height:** 60 Feet
- **Maximum Suction Lift:** 6 Feet
- **Inlet/Outlet Connection:** 1/2" NPT male to 3/4" NH (U.S. Standard)
- **Material:** Acrylonitrile Butadiene Styrene (ABS) Plastic
- **Product Dimensions:** 11.4" L x 3.7" W x 5.9" H
- **Item Weight (Pump Only):** Approx. 3 kg (6.6 lbs)
- **Included Components:** Transfer Pump Body, User Manual

3. Components and Controls



Main Parts

- **(A) Pump Body:** Housing containing the motor and impeller.
- **(B) Battery Compartment:** Waterproof cover for inserting a Makita 18V battery.
- **(C) Inlet Port:** 1/2" NPT male thread for attaching the suction hose.
- **(D) Outlet Port:** 3/4" NH thread for attaching the discharge hose.
- **(E) LED Flashlight:** Built-in light with two brightness levels.
- **(F) Power Switch:** Triggers the pump and controls the flashlight.

Flashlight Operation

The integrated LED flashlight is operated by the pump's power switch:

- **First Press:** Activates flashlight at Level I (100 lumens).
- **Second Press:** Changes flashlight to Level II (200 lumens).
- **Third Press:** Turns flashlight off.

4. Preparation and Setup

Required Items (Not Included)

- Makita 18V LXT Lithium-Ion Battery (Fully Charged).
- Battery Charger for Makita 18V battery.
- Appropriate hoses with fittings compatible with 1/2" NPT (inlet) and 3/4" NH (outlet).
- Hose clamps (recommended for secure connections).

Initial Setup Steps

1. Ensure the pump's power switch is in the OFF position.
2. Insert a fully charged Makita 18V battery into the battery compartment and secure the waterproof cover.
3. Attach a suction hose to the **Inlet Port (C)**. For best performance, do not exceed 10 feet in length. Ensure all connections are tight.
4. Attach a discharge hose to the **Outlet Port (D)**. Route the hose to the desired drainage or transfer location.
5. Place the open end of the suction hose into the water source. For self-priming to work effectively, the pump should be positioned as close to the water level as possible, within the 6-foot maximum suction lift.

5. Operation

Starting the Pump

1. Confirm all hose connections are secure and the discharge hose is unobstructed.
2. Press the power switch to start the pump. The pump is self-priming and should begin moving water within seconds.
3. If water does not flow, check for air leaks at the inlet connection and ensure the suction hose is fully submerged.

During Operation

- Monitor the water flow. Reduced flow may indicate a clog, a kinked hose, or a low battery.
- The pump is designed for water only. Do not pump flammable liquids, chemicals, saltwater, or solids.
- To use the flashlight, press the power switch while the pump is running to cycle through the light modes.

Stopping the Pump

1. Press the power switch to the OFF position.
2. Disconnect the battery if the pump will not be used for an extended period.
3. Disconnect hoses and drain any remaining water from the pump body to prevent freezing or corrosion.

6. Typical Applications

This pump is suitable for transferring clear water in the following scenarios:

- Draining small pools, hot tubs, or pond covers.
- Emptying water tanks, aquariums, or water beds.
- Removing water from flooded basements, window wells, or boats.
- Watering gardens or lawns from a rain barrel or tank.
- Transferring water between containers.

Note: The pump is not a submersible sump pump. Keep the pump body out of the water.

7. Maintenance and Storage

Cleaning

- After use, flush the pump with clean water by running it for a minute with the hoses disconnected.
- Wipe the exterior with a damp cloth. Do not immerse the pump in water.
- Inspect the inlet screen (if present) for debris and clean it.

Storage

- Store the pump in a dry, frost-free location.
- Remove the battery for separate storage.
- Ensure the pump is completely dry before storing.

Replacement Parts

For a replacement impeller, search for ASIN: **B0CKXL5CJS**.

8. Troubleshooting

| Problem | Possible Cause | Solution |
|--------------------------------|--|---|
| Pump does not start | Battery not installed, dead, or not fully seated. | Insert a fully charged Makita 18V battery. Ensure it clicks into place. |
| Pump starts but no water flows | Suction hose not submerged, inlet hose too long (>10 ft), air leak at connection, or clog. | Submerge inlet hose. Check and tighten all connections. Clear any blockage. |
| Reduced water flow | Low battery, partial clog, kinked hose, or pump is nearing maximum head height. | Recharge battery. Inspect hoses and inlet for obstructions. |
| Pump stops unexpectedly | Battery is depleted, motor overload, or overheating. | Replace/Recharge battery. Allow pump to cool if overheated. Do not run dry. |
| Water leaking from pump body | Damaged seal or casing. | Discontinue use. Inspect for physical damage. |

9. Safety Information

- Read all instructions before use.
- **Use only with Makita 18V LXT Lithium-Ion batteries.** Do not use with other battery brands or chemistries.
- This pump is designed for water transfer only. **Do not use for flammable liquids, fuels, chemicals, or saltwater.**
- Do not operate the pump without hoses attached.
- Do not run the pump dry for extended periods.
- Keep the pump and battery away from excessive heat, open flames, or flammable materials.
- Do not submerge the pump body or battery compartment in water.
- Disconnect the battery before performing any maintenance or cleaning.
- Use caution when handling the pump; the motor housing may become warm during extended operation.

Manufacturer: Mellif

For support or to report an issue: Use the "Contact Seller" feature on the Amazon product page where this item was purchased.

This manual is based on product information available at the time of writing. Specifications are subject to change without notice.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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