



[Manuals.plus](#) /

› [DEWALT](#) /

› DEWALT 20V MAX Transfer Pump DCE050B User Manual

## DEWALT DCE050B

# DEWALT 20V MAX Transfer Pump (DCE050B) Instruction Manual

*Model: DCE050B*

[Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

## INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your DEWALT 20V MAX Transfer Pump (DCE050B). Please read this manual thoroughly before using the product and retain it for future reference.



**Figure 1:** DEWALT 20V MAX Transfer Pump (DCE050B). This image shows the overall design of the pump, highlighting its compact and portable nature.

## IMPORTANT SAFETY INFORMATION

**WARNING: Always follow all safety precautions to reduce the risk of injury or damage. Read and understand all instructions before operation.**

- Wear appropriate personal protective equipment (PPE) such as safety glasses.
- Ensure the work area is clear of obstructions and well-lit.
- Do not operate the pump in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Do not pump flammable liquids. This pump is designed for water and water/glycol mixtures only.
- Keep children and bystanders away while operating the pump.

## SETUP

### 1. Battery Installation

- Ensure the pump's power switch is in the OFF position.
- Align the 20V MAX battery pack (sold separately) with the battery port on the pump.
- Slide the battery pack into the pump until it clicks securely into place.
- To remove, press the battery release button and slide the battery out.



**Figure 2:** Key features of the DEWALT Transfer Pump, including the battery compartment, LED-embedded power switch, and self-priming pump mechanism.

## 2. Hose Connection

- Connect the intake hose to the inlet port of the pump. Ensure a tight, leak-free connection.
- Connect the discharge hose to the outlet port of the pump.
- Place the intake end of the hose into the liquid source (e.g., water tank, bucket).
- Direct the discharge end of the hose to the desired drainage or transfer location.

## OPERATION

### 1. Priming the Pump

- The DEWALT Transfer Pump features a self-priming design. However, for optimal performance, ensure the pump is positioned below the liquid level or manually prime the pump by pouring a small amount of liquid into the inlet port before starting.

### 2. Starting the Pump

- Press the LED-embedded power switch to turn the pump ON. The LED will illuminate green when active.
- Monitor the flow of liquid. The pump can transfer up to 10 gallons per minute (GPM) of tap water.

- The pump is capable of transferring a 60% water / 40% propylene glycol mixture, suitable for HVAC and refrigeration applications.



Battery sold separately

**TRANSFER  
UP TO 10 GPM  
USING TAP WATER<sup>‡</sup>**

<sup>‡</sup>on average, per charge using DCB205 battery (sold separately).

**Figure 3:** The pump in operation, demonstrating its ability to transfer up to 10 GPM of tap water. Note the connected hoses for intake and discharge.

### 3. Stopping the Pump

- Press the LED-embedded power switch again to turn the pump OFF. The LED will extinguish.
- Disconnect hoses and drain any remaining liquid from the pump and hoses.

### 4. Positioning the Pump

- The pump can be positioned horizontally or vertically for operation, providing versatility in various work environments.

## MAINTENANCE

### 1. Cleaning the Impeller

- If the pump's performance decreases or it becomes clogged, the impeller may need cleaning.
- Disconnect the battery pack.
- Remove the four screws securing the impeller cover.

- Carefully remove the impeller cover and the impeller.
- Clean any debris from the impeller and the pump housing.
- Reassemble the impeller and cover, ensuring all screws are tightened securely.



## CLEAR OR REPLACE THE IMPELLER WITH EASE

**Figure 4:** Demonstrates the ease of accessing and cleaning or replacing the impeller, a key maintenance task for optimal pump function.

### 2. Storage

- After each use, drain all liquid from the pump and hoses to prevent freezing or corrosion.
- Store the pump in a dry, protected area away from extreme temperatures.
- Remove the battery pack during storage.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	Battery not installed or discharged	Install a charged 20V MAX battery pack.

Problem	Possible Cause	Solution
No or low liquid flow	Hoses clogged or kinked Impeller clogged with debris Pump not primed Air leak in intake hose	Check and clear hoses. Clean the impeller (refer to Maintenance section). Ensure pump is primed or below liquid level. Check all connections for tightness.
Pump runs but no liquid transfers	Pump not primed or air in system	Ensure pump is fully primed and all air is expelled from the system.

## SPECIFICATIONS

Feature	Detail
Model Number	DCE050B
Brand	DEWALT
Power Source	20V MAX Battery (sold separately)
Maximum Flow Rate (Tap Water)	10 Gallons Per Minute (GPM)
Maximum Lifting Height (Tap Water)	25 Feet
Maximum Head Height (Tap Water)	45 Feet (at 4.5 GPM)
Liquid Compatibility	Water, 60% Water / 40% Propylene Glycol Mixture
Product Dimensions (L x W x H)	16.19" x 6.69" x 9.82"
Item Weight	10.14 pounds
UPC	885911436922
Included Components	(1) 20V MAX* Transfer Pump (Bare Tool Only)

## WARRANTY AND SUPPORT

For warranty information, service, or technical support, please contact DEWALT customer service or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

**DEWALT Customer Service:** Refer to your product packaging or the official DEWALT website for the most current contact information.

**Online Resources:** [Visit the DEWALT Store on Amazon](#)