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Makita DHP484Z

Makita DHP484Z 18V Li-Ion LXT Brushless Combi Drill Instruction Manual

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DHP484Z 18V Li-Ion LXT Brushless Combi Drill. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its lifespan and performance. The Makita DHP484Z is a versatile cordless hammer driver drill powered by an 18V Li-ion battery (sold separately), featuring a brushless motor for enhanced efficiency and durability.

Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves. Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.

Setup

Battery Installation and Removal

The Makita DHP484Z operates with an 18V Li-ion LXT battery (not included). To install, align the battery pack with the grooves in the tool's base and slide it in until it clicks securely into place. To remove, press the release button on the battery pack and slide it out.

Chuck Operation

This model features a keyless chuck for easy bit changes. To install a bit, rotate the chuck counter-clockwise to open the jaws. Insert the bit fully, then rotate the chuck clockwise to tighten it securely. Ensure the bit is centered and firmly gripped before operation.



Figure 1: Front view of the Makita DHP484Z Combi Drill, illustrating the keyless chuck and main body.

Attaching the Belt Clip

The tool includes a belt clip for convenient carrying. Attach the belt clip to either side of the tool using the provided screw, ensuring it is fastened securely.

Operating Instructions

Powering On/Off and Speed Control

The tool is activated by pressing the trigger switch. The variable speed control allows you to adjust the rotation

speed by varying the pressure on the trigger. For higher speeds, press the trigger further. The tool also features two mechanical gears for different speed ranges:

- **Gear 1 (Low Speed):** For heavy-duty applications requiring high torque.
- **Gear 2 (High Speed):** For faster drilling and lighter applications.

Torque Settings and Drilling Modes

The DHP484Z offers 21 torque settings plus a dedicated drill mode. Rotate the adjustment ring to select the desired torque for screwdriving applications, preventing overtightening. For drilling, select the drill mode symbol. For hammer drilling into masonry, select the hammer drill symbol.



Figure 2: Side view of the Makita DHP484Z, highlighting the torque adjustment ring and gear selector.

Forward/Reverse Rotation

A lever switch located above the trigger controls the direction of rotation. Push the lever to the left for forward rotation (clockwise) and to the right for reverse rotation (counter-clockwise). Position the lever in the center to lock the trigger and prevent accidental startup.

LED Job Light

The integrated LED job light illuminates the work area, improving visibility in dimly lit conditions. It activates automatically when the trigger is pressed.

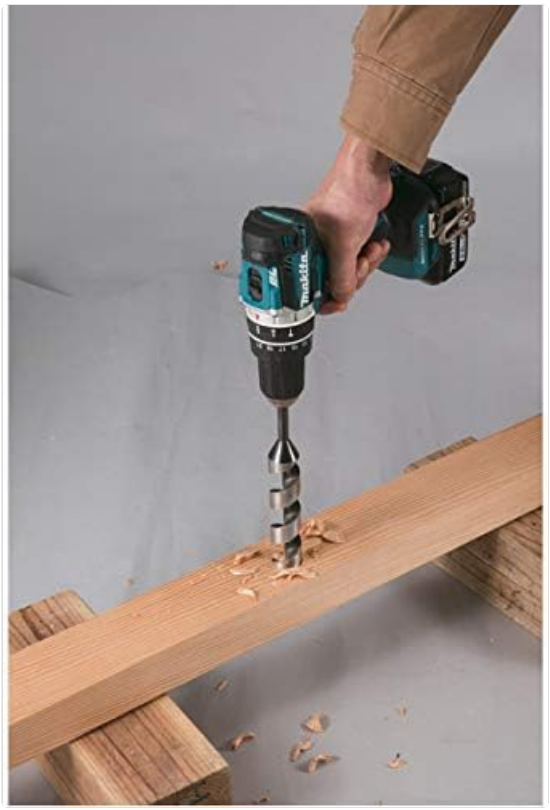


Figure 3: The Makita DHP484Z Combi Drill in use, demonstrating its capability for drilling into wood.

Maintenance

Regular maintenance ensures optimal performance and extends the tool's life.

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Wipe the tool body with a soft, damp cloth. Do not use strong detergents or solvents.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Storage:** Store the tool and battery in a cool, dry place, away from direct sunlight and moisture. Ensure the battery is removed from the tool during storage.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Trigger lock engaged.	Charge battery and ensure proper installation; Disengage trigger lock.

Problem	Possible Cause	Solution
Reduced power or speed	Low battery charge; Incorrect gear selection; Overload.	Recharge battery; Select appropriate gear; Reduce load on the tool.
Bit slips in chuck	Chuck not tightened sufficiently; Dirty chuck jaws.	Retighten chuck firmly; Clean chuck jaws.

Specifications

Feature	Specification
Model Number	DHP484Z
Voltage	18V
Power Source	Battery Powered (Li-Ion LXT)
Motor Type	Brushless
Chuck Capacity	1.5 - 13 mm
Max. Fastening Torque (Hard Joint)	54 Nm
Max. Fastening Torque (Soft Joint)	30 Nm
Torque Settings	21 + Drill Mode
No Load Speed (Hi)	0 - 2,000 rpm
No Load Speed (Lo)	0 - 500 rpm
Blows per Minute (Hi)	0 - 30,000 ipm
Blows per Minute (Lo)	0 - 7,500 ipm
Capacity in Steel	13 mm
Capacity in Wood	38 mm
Capacity in Masonry	13 mm
Overall Length	182 mm (7-1/8 inches)
Net Weight	1.8 kg (approx. 2.6 lbs)
Special Features	Electric brake, Forward/reverse rotation, LED job light, Aluminium Gear Housing, All metal gear construction, Belt clip



Figure 4: Side view of the Makita DHP484Z Combi Drill, indicating its compact overall length of 7-1/8 inches.

Warranty and Support

Warranty Information

The Makita DHP484Z comes with a 1-year manufacturer warranty. An additional 2 years of warranty can be obtained by registering the product within 30 days of purchase. This guarantee is void if non-genuine or non-recommended parts or accessories are fitted to the tool. The use of non-genuine or compatible batteries and chargers with Makita tools will also invalidate the Makita guarantee for the tools.

Customer Support

For further assistance, technical support, or to locate authorized service centers, please visit the official Makita website or contact Makita customer service directly. Ensure you have your product model number (DHP484Z) and purchase details available when seeking support.

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