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› METABO KHA 18 LTX BL 40 Cordless Hammer Drill User Manual

## Metabo KHA 18 LTX BL 40

# METABO KHA 18 LTX BL 40 Cordless Hammer Drill User Manual

Model: KHA 18 LTX BL 40 | Part Number: 600752840

## 1. IMPORTANT SAFETY INSTRUCTIONS

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Always observe the following safety instructions to prevent electric shock, injury, and fire.

- Read all safety warnings, instructions, illustrations, and specifications provided with this power tool.
- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- Stay alert, watch what you are doing and use common sense when operating a power tool.
- Use personal protective equipment. Always wear eye protection.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.
- Service of the power tool should be performed only by qualified repair personnel using identical replacement parts.

## 2. PRODUCT OVERVIEW

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The Metabo KHA 18 LTX BL 40 is a cordless hammer drill designed for powerful hammer drilling and chiseling applications. It features brushless technology for maximum drilling power, efficiency, and extended service life.



Figure 2.1: Front view of the Metabo KHA 18 LTX BL 40 Cordless Hammer Drill, showing the SDS-max chuck, auxiliary handle, and main body.

### Key Features:

- Cordless design with SDS-max mount.
- Brushless motor for enhanced power and durability.
- Two functions: hammer drilling and chiseling.
- Metabo VibraTech (MVT) for reduced vibration.
- Vario Tacho Constamatic (VTC) Electronics for consistent speed under load.
- Metabo S-automatic torque limiting clutch for user safety.
- Integrated LED work light.
- Compatible with CAS (Cordless Alliance System) 18V battery packs.

## 3. SETUP

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### 3.1. Battery Installation

The KHA 18 LTX BL 40 operates on 18V Lithium-Ion battery packs from the CAS system. Ensure the battery is fully charged before use.

1. Align the battery pack with the battery slot on the tool handle.
2. Slide the battery pack into the slot until it clicks securely into place.

3. To remove, press the battery release button and slide the battery pack out.

### 3.2. Auxiliary Handle Adjustment

The auxiliary handle can be rotated 360 degrees for optimal working position.

1. Loosen the auxiliary handle clamp by rotating it counter-clockwise.
2. Adjust the handle to the desired position.
3. Tighten the clamp by rotating it clockwise until secure.

### 3.3. Depth Stop Installation

The depth stop allows for precise drilling depth control.

1. Insert the depth stop rod through the hole in the auxiliary handle.
2. Adjust the depth stop to the required drilling depth.
3. Secure the depth stop by tightening the screw on the auxiliary handle.

### 3.4. SDS-Max Bit Installation

This tool uses SDS-Max drill bits and chisels.

1. Clean the shank of the SDS-Max bit and apply a thin layer of lubricant (provided).
2. Pull back the chuck collar.
3. Insert the bit into the chuck until it locks into place.
4. Release the chuck collar. Pull on the bit to ensure it is securely seated.
5. To remove, pull back the chuck collar and pull the bit out.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Mode Selection

The KHA 18 LTX BL 40 offers two operating modes:

- **Hammer Drilling:** For drilling in concrete, masonry, and stone.
- **Chiseling:** For light chiseling work, such as removing tiles or breaking small concrete sections.

Rotate the mode selector switch to the desired icon.

### 4.2. Starting and Stopping

1. To start the tool, press the trigger switch. The LED work light will illuminate.
2. To stop the tool, release the trigger switch.

### 4.3. Speed and Impact Energy Control (VTC Electronics)

The Vario Tacho Constamatic (VTC) Electronics allow for customized speeds and impact energy based on the material.

- Adjust the speed preselection wheel to set the maximum speed.
- The tool maintains nearly constant speed even under load.

- For softer materials, an optional speed and impact energy reduction function can be activated (refer to specific tool markings for activation).

#### 4.4. Working with the Tool



Figure 4.1: A worker operating the Metabo KHA 18 LTX BL 40 for vertical drilling into a concrete surface, utilizing an external dust extraction system for a cleaner work environment.



Figure 4.2: An individual performing overhead drilling with the Metabo KHA 18 LTX BL 40, demonstrating the use of the tool in an elevated position, also connected to a dust extraction unit.

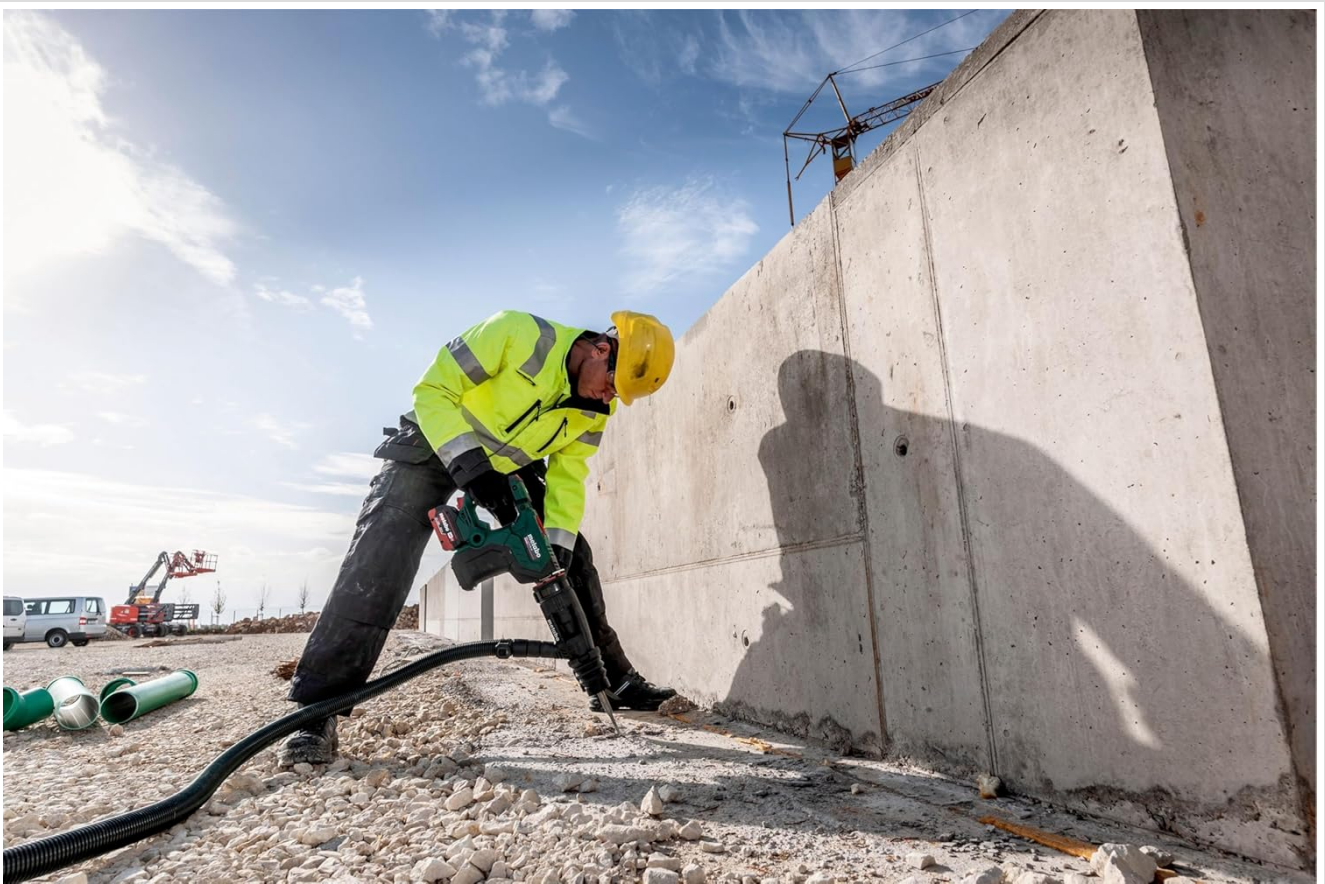


Figure 4.3: A worker using the Metabo KHA 18 LTX BL 40 for chiseling a concrete foundation, highlighting the tool's capability for demolition tasks.

- Apply moderate pressure to the tool. Do not force the drill.

- For optimal dust control, connect an external dust extraction system like the Metabo ESA max (accessories sold separately).
- When working at heights, utilize the attachment point for a tool safety belt.

## 5. MAINTENANCE

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### 5.1. General Cleaning

- Regularly clean the ventilation slots on the motor housing to prevent overheating.
- Wipe down the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

### 5.2. Chuck Maintenance

- Keep the SDS-Max chuck clean and free of dust and debris.
- Periodically apply a small amount of the provided lubricant to the chuck and bit shanks to ensure smooth operation and prevent wear.

### 5.3. Battery Care

- Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store fully discharged battery packs for extended periods. Charge them periodically.

### 5.4. Service

All repairs and maintenance not described in this manual should be performed by authorized Metabo service personnel.

## 6. TROUBLESHOOTING

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| Problem                       | Possible Cause   | Solution   |
|-------------------------------|--|--|
| Tool does not start.          | Battery pack not inserted correctly or discharged.                         | Ensure battery is fully inserted. Charge battery pack.             |
| Reduced drilling performance. | Worn drill bit; chuck dirty; battery low.                                  | Replace drill bit. Clean and lubricate chuck. Charge battery pack. |
| Tool stops during operation.  | Overload protection activated (Metabo S-automatic torque limiting clutch). | Reduce pressure. Check for jammed bit. Allow tool to cool down.    |
| Excessive vibration.          | Damaged bit; internal issue.   | Replace bit. If problem persists, contact authorized service.      |

## 7. SPECIFICATIONS

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| Attribute           | Value   |
|---------------------|---|
| Model Number        | KHA 18 LTX BL 40  |
| Part Number         | 600752840   |
| Power Source        | Battery Powered   |
| Voltage             | 18 Volts  |
| Amperage            | 18 Amps   |
| Maximum Chuck Size  | 1.94 Inches (SDS-Max)   |
| Speed               | 450 RPM   |
| Item Weight         | 15.18 pounds (6.9 Kilograms)  |
| Product Dimensions  | 0.39 x 0.39 x 0.39 inches (Approximate, as per input)   |
| Sound Level         | 105 dB  |
| Battery Cell Type   | Lithium Ion   |
| Special Features    | Cordless, Brushless Motor, MVT, VTC Electronics, S-automatic clutch, LED work light   |
| Included Components | Rubber-coated additional handle, Additional handle, Depth stop, Lubricant for tool/accessory insertion end, Cleaning cloth, Professional cases (without battery, without charger) |

## 8. WARRANTY AND SUPPORT

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Metabo provides a manufacturer's warranty for its products. Please refer to the official Metabo website or your purchase documentation for detailed warranty terms and conditions specific to your region.

For technical support, spare parts, or service inquiries, please contact your authorized Metabo dealer or visit the official Metabo service portal.

**Official Metabo Website:** [www.metabo.com](http://www.metabo.com)

**Metabo Store on Amazon:** Visit the Metabo Store

