

Metabo 600574420

Metabo BEV 1300-2 User Manual

Model: 600574420 | Brand: Metabo

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Metabo BEV 1300-2 power tool. Please read this manual thoroughly before first use and keep it for future reference.

General Safety Warnings

Always wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves when operating power tools. Ensure your work area is well-lit and free of obstructions. Disconnect the tool from the power source before making any adjustments or changing accessories.

PRODUCT OVERVIEW

The Metabo BEV 1300-2 is a robust power tool designed for demanding drilling applications. It features advanced electronics for consistent performance under load.

Key Features

- Selectable "impulse" mode for removal of damaged screws and for spot-drilling on smooth surfaces.
- Robust Die cast aluminum gear housing for optimum heat dissipation and durability.
- Rotating carbon brush bridge for maximum performance even in counter-clockwise operation for removing stubborn screws.
- Vario-tacho-constamatic (vtc)-full wave electronics for working at customized speeds to suit the application material and speeds that remain almost constant, even under load.
- Thumb wheel for speed preselection.

Components

The Metabo BEV 1300-2 typically includes the main drill unit, a geared chuck, a chuck key, and a side handle.



An image showing the Metabo BEV 1300-2 power drill, highlighting its main body, chuck, and the attached side handle. The drill is green, black, and silver.



A person wearing safety glasses and a vest is shown using the Metabo BEV 1300-2 drill to bore into a large wooden beam. This demonstrates the tool's application in woodworking.



A person wearing safety glasses and gloves is using the Metabo BEV 1300-2 drill on a metal framework, illustrating its capability for metal drilling tasks.

SETUP

Attaching the Side Handle

The side handle provides additional control and stability. Loosen the handle clamp, slide the handle onto the drill's neck, and tighten it securely in a comfortable position.

Installing the Chuck and Drill Bit

1. Ensure the drill is unplugged from the power source.
2. Insert the geared chuck onto the spindle and tighten it using the chuck key.
3. Open the chuck jaws by rotating the chuck key counter-clockwise.
4. Insert the desired drill bit fully into the chuck jaws.

5. Tighten the chuck jaws firmly using the chuck key, ensuring the bit is centered and secure.

OPERATING INSTRUCTIONS

Power Connection

Connect the power cord to a suitable 120-volt AC power outlet.

Speed Preselection

Use the thumb wheel to preselect the desired speed (RPM) for your application. Refer to the specifications for the speed range.

Vario-Tacho-Constamatic (VTC) Electronics

The VTC electronics maintain a nearly constant speed even under load, ensuring consistent performance.

Impulse Mode

For starting on smooth surfaces or removing stubborn screws, activate the selectable "impulse" mode. This provides short bursts of power for better grip and control.

Drilling Operation

1. Hold the drill firmly with both hands, utilizing the side handle for stability.
2. Position the drill bit at the desired drilling point.
3. Press the trigger to start the drill.
4. Apply steady, even pressure. Avoid excessive force, allowing the drill to do the work.
5. For deep holes, periodically withdraw the bit to clear chips.
6. Release the trigger to stop the drill.

Counter-Clockwise Operation

The rotating carbon brush bridge ensures maximum performance even when operating in counter-clockwise mode, useful for removing screws or backing out bits.

MAINTENANCE

Cleaning

Regularly clean the ventilation slots and the tool housing with a soft, dry cloth. Do not use solvents or abrasive cleaners.

Carbon Brushes

The carbon brushes are designed for long life. If the tool experiences reduced performance or excessive sparking, the carbon brushes may need inspection or replacement by a qualified service technician.

Storage

Store the tool in a dry, secure location, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply	Check power cord, outlet, and circuit breaker.
Reduced power/speed	Overload or worn carbon brushes	Reduce pressure; have carbon brushes inspected.
Excessive vibration	Loose drill bit or damaged bit	Re-secure drill bit; replace damaged bit.

SPECIFICATIONS

Feature	Value
Brand	Metabo
Model	600574420
Power Source	Corded Electric
Voltage	120 Volts
Amperage	9.6 Amps
Wattage	1100 watts
Speed	3100 RPM
Maximum Torque	390 Inch Pounds
Item Weight	6 Pounds
Product Dimensions	14.25 x 3.11 x 8.07 inches
Drilling Capacity Metal	0.63 Inches
Sound Level	95 dB
Included Components	Geared chuck, Chuck key, Side Handle

WARRANTY AND SUPPORT

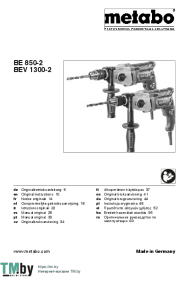
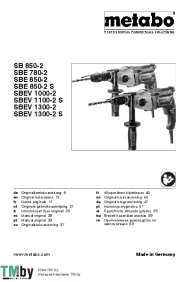
Warranty Information

The Metabo BEV 1300-2 comes with a 3-year limited warranty. Please refer to the warranty card included with your product for full terms and conditions.

Customer Support

For technical assistance, spare parts, or warranty claims, please contact Metabo customer service. Visit the official Metabo website for contact details.

Related Documents - 600574420

 BE 850-2 BEV 1300-2 Metabo TMby	Metabo BE 850-2 BEV 1300-2 Professional Power Tool Manual Official operating instructions and technical specifications for Metabo BE 850-2 and BEV 1300-2 professional power drills. Includes safety guidelines, usage instructions, maintenance, and troubleshooting.
 SB 850-2 SBE 780-2 SBE 850-2 SBEV 1000-2 SBEV 1100-2 S SBEV 1300-2 SBEV 1300-2 S Metabo TMby	Metabo Rotary Hammer User Manual: SB 850-2 and SBE Series Comprehensive user manual and safety guide for Metabo SB 850-2, SBE 780-2, SBE 850-2, SBE 850-2 S, SBEV 1000-2, SBEV 1100-2 S, SBEV 1300-2, SBEV 1300-2 S rotary hammers. Includes operating instructions, maintenance, and safety information from Metabo.
 SB 850-2 SBE 780-2 SBE 850-2 SBEV 1000-2 SBEV 1100-2 S SBEV 1300-2 SBEV 1300-2 S Metabo TMby	Metabo SB 850-2, SBE 780-2, SBE 850-2 Bedienungsanleitung Bohrmaschinen & Schlagbohrmaschinen Offizielle Bedienungsanleitung für Metabo Bohrmaschinen und Schlagbohrmaschinen, einschließlich Modelle wie SB 850-2, SBE 780-2, SBE 850-2, SBEV 1000-2, SBEV 1100-2 S, SBEV 1300-2. Enthält technische Daten, Sicherheitshinweise und Wartungsinformationen.
 SR 2185 SRE 3185 Metabo TMby	Metabo SR 2185 & SRE 3185 Bedienungsanleitung Offizielle Bedienungsanleitung für die Metabo Exzentrerschleifer Modelle SR 2185 und SRE 3185. Enthält detaillierte Informationen zur sicheren und effektiven Nutzung dieser professionellen Elektrowerkzeuge, einschließlich Sicherheitshinweisen, Bedienung, Wartung und technischen Daten.



Die Originalbetriebsanleitung für die Metabo Geradschleifer G 400 und GP 400. Enthält detaillierte Informationen zu Sicherheit, Verwendung, technischen Daten und Zubehör für diese leistungsstarken Werkzeuge.