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Einhell GC-DW 1045 N

Einhell GC-DW 1045 N Deep Well Pump User Manual

Model: GC-DW 1045 N (Art. No. 4170955)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Einhell GC-DW 1045 N Deep Well Pump. Please read these instructions carefully before initial use and keep them for future reference. This robust base pump is designed for pumping clear and service water for garden and household use, featuring a multi-stage impeller for constant pressure and a powerful motor.





Image: The Einhell GC-DW 1045 N Deep Well Pump with its included drain rope.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury and damage to the pump:

- Ensure the power supply matches the pump's specifications (230 V).
- Do not operate the pump in explosive atmospheres or with flammable liquids.
- Never pull the pump by its power cable. Use the provided drain rope for lowering and retrieving.
- Protect the pump from frost. Disconnect and drain it during winter months if not in continuous use.
- Ensure the well or bore hole has sufficient operating space (minimum 99 x 99 mm) to prevent the pump from getting stuck.
- The pump is equipped with thermal overload protection. If it overheats, it will shut off automatically. Allow it to cool down before restarting.

3. SETUP

1. **Unpacking:** Carefully remove the pump and all accessories from the packaging. Check for any transport damage.

2. **Connecting the Pressure Hose:** Attach a suitable pressure hose to the pump's discharge connection. Ensure a tight, leak-free seal.



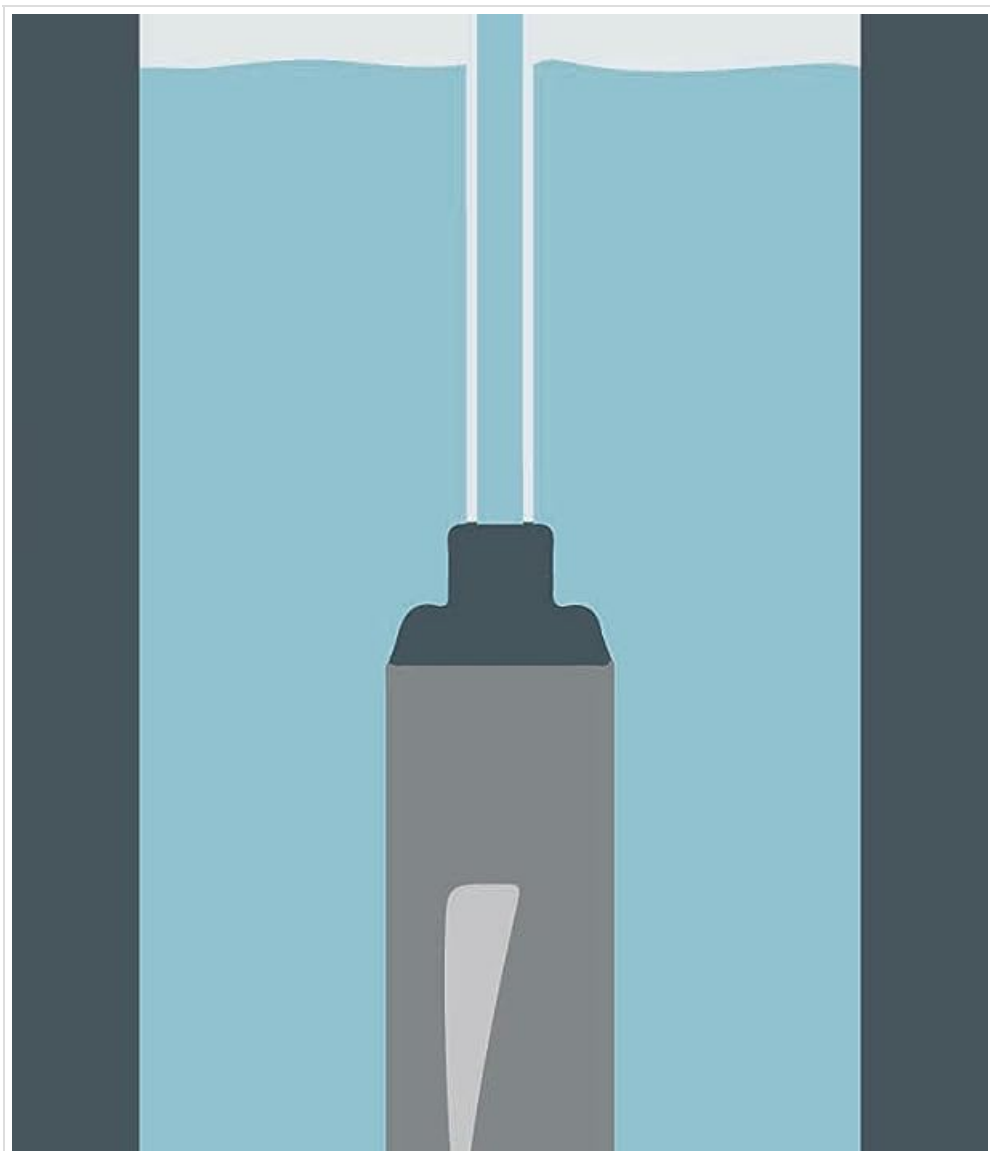
Image: Close-up of the pump's pressure connection point.

3. **Attaching the Drain Rope:** Securely fasten the provided drain rope to the designated eyelets on the pump. This rope is crucial for safe lowering and retrieval.



Image: The deep well pump with the drain rope attached, ready for deployment.

4. **Lowering the Pump:** Carefully lower the pump into the well using the drain rope. Ensure the pump hangs freely and does not touch the bottom or sides of the well. Maintain the minimum operating space of 99 x 99 mm.



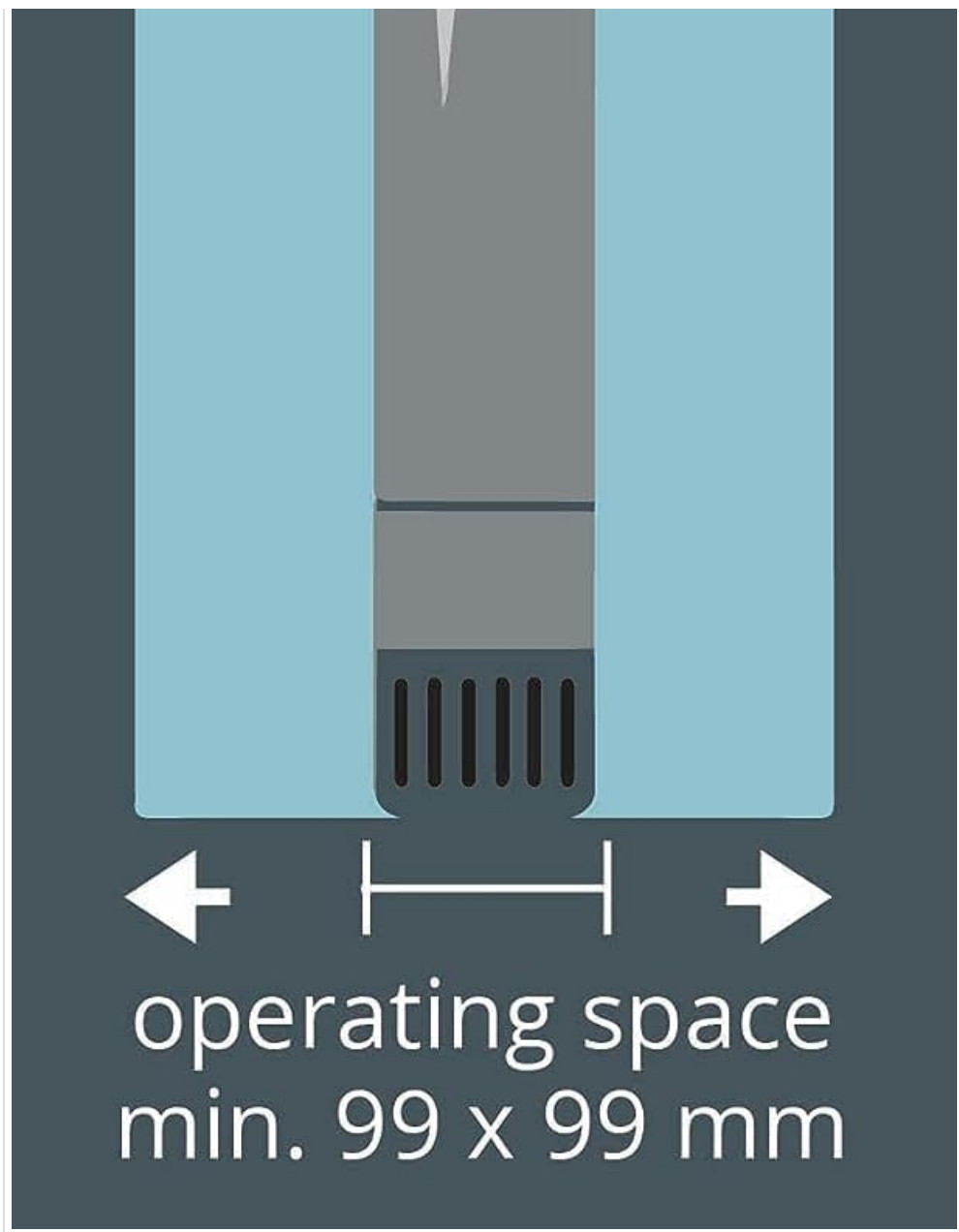


Image: Diagram illustrating the required minimum operating space of 99 x 99 mm for the pump in a well.

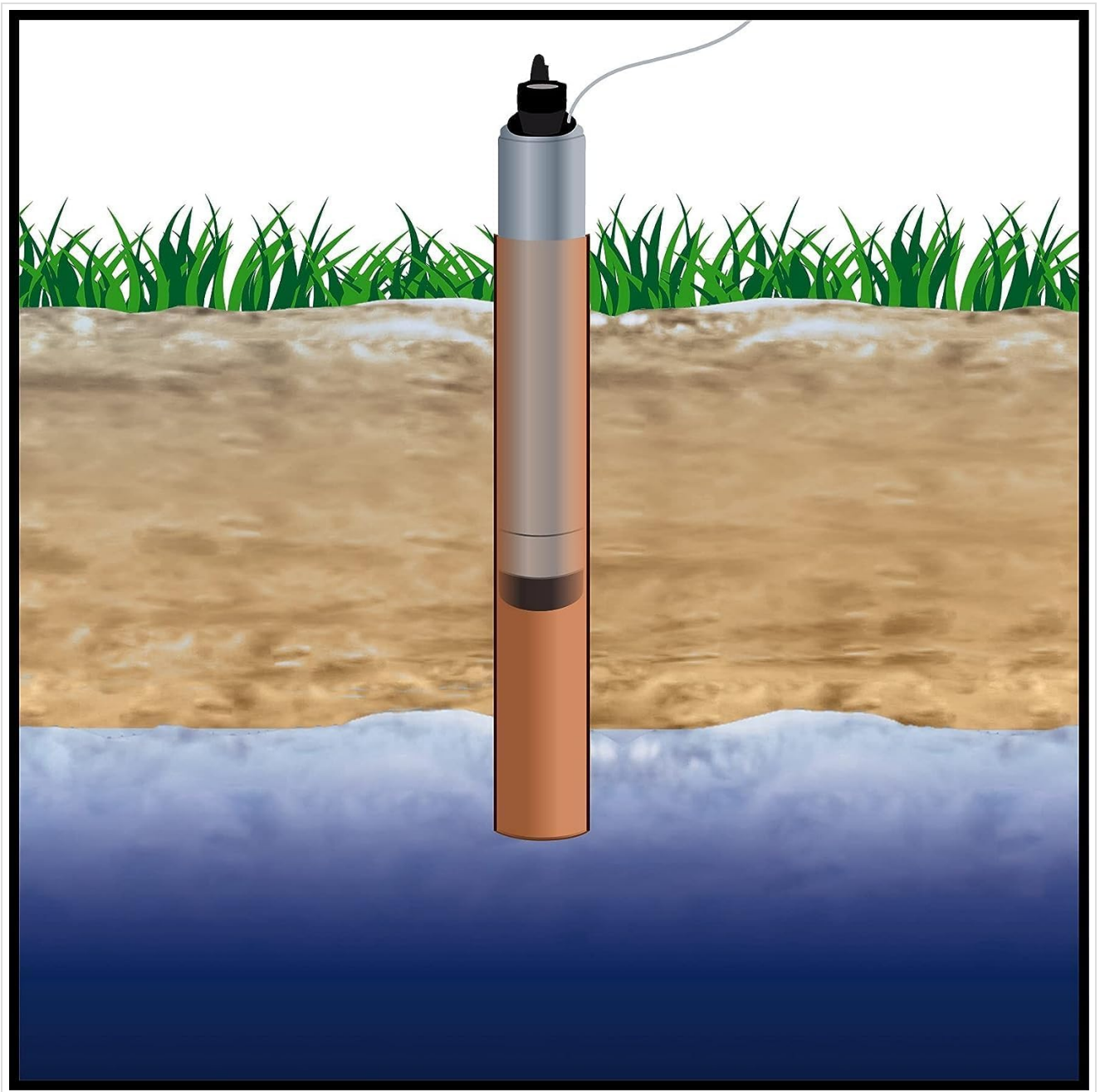


Image: Diagram showing the deep well pump submerged in a water source.

5. **Electrical Connection:** Connect the pump to a properly grounded power outlet (230 V). Ensure the connection is protected from moisture.

4. OPERATING

Once properly installed, operating the Einhell GC-DW 1045 N is straightforward:

- **Initial Startup:** After ensuring all connections are secure and the pump is fully submerged, switch on the power. The pump will begin to draw water. It may take a few moments for water to flow consistently as air is purged from the system.
- **Continuous Operation:** The multi-stage impeller ensures constant pressure and efficient water delivery. The pump is designed for continuous operation within its specified limits.
- **Monitoring:** Periodically check the water flow and pump sound. Any unusual noises or reduced flow may indicate an issue.



Image: A person preparing to install the deep well pump into a well opening.

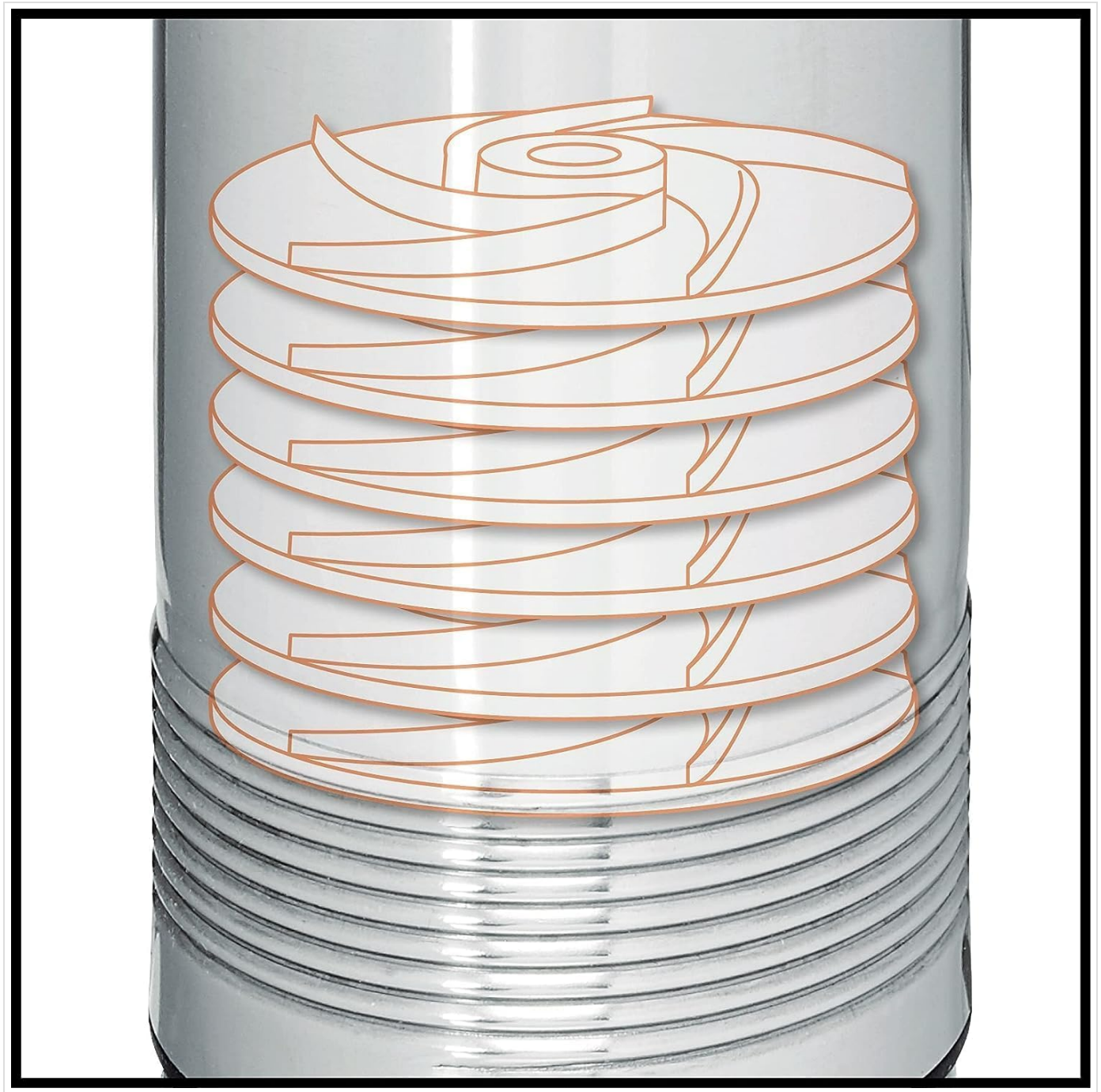


Image: Diagram showing the multi-stage impeller system inside the pump, designed for consistent pressure.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your deep well pump:

- **Cleaning the Dirt Sieve:** The pump is equipped with a dirt sieve. If water flow decreases significantly, the sieve may be clogged. Retrieve the pump and clean the sieve as needed.



Image: Close-up of the dirt sieve at the bottom of the pump.

- **Checking Connections:** Periodically inspect all hose and electrical connections for wear, damage, or leaks.
- **Winterization:** If the pump will not be used during freezing temperatures, it must be removed from the well, thoroughly drained, and stored in a frost-free environment.
- **Mechanical Seal:** The high-quality mechanical seal is designed for long service life and generally requires no maintenance.

6. TROUBLESHOOTING

Before contacting customer service, try the following solutions for common issues:

Problem	Possible Cause	Solution
Pump does not start.	No power supply; Thermal overload protection activated.	Check power connection and circuit breaker; Allow pump to cool down for 30 minutes.
Low or no water flow.	Clogged dirt sieve; Air in the system; Hose kinked or blocked; Water level too low.	Clean dirt sieve; Ensure pump is fully submerged and primed; Check hose for obstructions; Verify sufficient water in well.

Problem	Possible Cause	Solution
Pump motor hums but does not pump.	Impeller blocked; Air lock.	Disconnect power, retrieve pump and check for obstructions around impeller; Ensure pump is properly submerged and primed.

If problems persist after attempting these solutions, please contact qualified service personnel.

7. SPECIFICATIONS

Feature	Value
Model Number	4170955
Power	1000 Watt
Voltage	230 Volt
Max. Flow Rate	6500 Liters per hour
Max. Head Height	45 Meters
Pump Diameter	99 mm (implied from operating space)
Material	Stainless Steel
Item Weight	7.7 Kilograms
Dimensions (L x W x H)	73 x 14 x 22 cm
Included in delivery	Deep well pump; Drain rope



Image: Icon indicating a flow rate of 6500 liters per hour.



Image: Icon indicating a maximum head height of 45 meters.

8. WARRANTY AND SUPPORT

Einhell offers extended warranty services for its products:

- **Extended Warranty:** Einhell extends the warranty period for all Einhell Power X-Change batteries and Einhell devices to 3 years.
- **Activation:** To activate the extended warranty, Einhell products must be registered on the official Einhell website within 30 days of purchase.

WARUM DER EINHELL ZUSATZ-SERVICE?
Wir kennen die Qualität unserer Produkte und ihre Langlebigkeit, deshalb erweitern wir freiwillig die Garantieleistung - kostenfrei.

WELCHE EINHELL ZUSATZ-SERVICES GIBT ES?
Wir erweitern die Garantieleistung für alle Einhell Power X-Change Akkus und Einhell Geräte auf 3 Jahre.

WIE AKTIVIERE ICH DEN ZUSATZ-SERVICE?
Um den Zusatz-Service zu aktivieren, müssen Einhell Produkte innerhalb von 30 Tagen nach dem Kauf auf unserer Website registriert werden.

Image: Einhell 3-year warranty logo, indicating extended warranty upon online registration.

For further support, technical assistance, or to register your product, please visit the official Einhell website or contact their customer service department. Keep your purchase receipt and model number handy when seeking support. You can find more information and contact details on the [Einhell Store Page](#).

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Related Documents - GC-DW 1045 N

	Einhell GC-SC 18/28 Li Akku-Vertikutierer und Rasenlüfter Bedienungsanleitung Die offizielle Bedienungsanleitung für den Einhell GC-SC 18/28 Li Akku-Vertikutierer und Rasenlüfter. Enthält Sicherheitshinweise, Bedienung, Wartung und Fehlerbehebung für Ihr Gartengerät.
	Einhell GC-ET 4530 Elektro-Rasentrimmer - Bedienungsanleitung Umfassende Bedienungsanleitung für den Einhell GC-ET 4530 Elektro-Rasentrimmer. Enthält Sicherheitshinweise, Montage-, Betriebs-, Wartungs- und Fehlerbehebungsinformationen.
	Einhell GC-SP 2275 Klarwasserpumpe – Bedienungsanleitung Originalbetriebsanleitung für die Einhell GC-SP 2275 Klarwasserpumpe. Enthält Sicherheitshinweise, Installations-, Betriebs-, Wartungs- und Fehlerbehebungsanleitungen. Besuchen Sie www.Einhell-Service.com für weitere Informationen.

	Einhell GC-HM 300 / GC-HM 400 Hand-Rasenmäher Bedienungsanleitung Offizielle Bedienungsanleitung für den Einhell GC-HM 300 und GC-HM 400 Hand-Rasenmäher. Enthält Informationen zu Sicherheit, Montage, Bedienung, Wartung und Fehlerbehebung.
	Einhell GC-MM 52 I AS Petrol Multifunctional Tool Operating Manual Official operating manual for the Einhell GC-MM 52 I AS Petrol Multifunctional Tool, covering safety instructions, assembly, operation, maintenance, and troubleshooting for garden use.
	Einhell GC-DP 3325 Schmutzwasserpumpe Bedienungsanleitung Originalbetriebsanleitung für die Einhell GC-DP 3325 Schmutzwasserpumpe. Enthält wichtige Sicherheitshinweise, Installationsanleitungen, Bedienung und Wartung.