

Einhell GE-DP 7935 N-A LL ECO

Einhell GE-DP 7935 N-A LL ECO 3-in-1 Dirty Water Pump User Manual

Model: GE-DP 7935 N-A LL ECO

1. INTRODUCTION

Thank you for choosing the Einhell GE-DP 7935 N-A LL ECO 3-in-1 Dirty Water Pump. This powerful and versatile submersible pump is designed for efficient drainage of dirty and clear water, featuring an Aqua-Sensor for automatic operation and robust construction for long-lasting performance. Please read this manual carefully before operating the pump to ensure safe and optimal use.

2. SAFETY INSTRUCTIONS

General Safety: Always disconnect the power supply before performing any work on the pump. Ensure the power outlet is properly grounded and protected by a residual current device (RCD) with a tripping current of no more than 30 mA. Do not operate the pump if the power cable or plug is damaged. Keep children and unauthorized persons away from the operating area.

Electrical Safety: The pump is designed for use with alternating current (AC) only. The voltage must match the specifications on the rating plate. Do not use the pump in swimming pools or ponds while people are in the water. Avoid running the pump dry, as this can cause damage. The Aqua-Sensor provides dry-run protection, but regular checks are recommended.

Personal Safety: Wear appropriate personal protective equipment (PPE) such as gloves and safety footwear when handling the pump. Do not lift the pump by its power cable or discharge hose. Use the integrated carrying handle for transport.

3. PRODUCT OVERVIEW

The Einhell GE-DP 7935 N-A LL ECO is a robust submersible pump designed for various water drainage tasks. Key features include:

- **Powerful Performance:** Equipped with a 790 W motor, delivering a maximum flow rate of 19,500 liters per hour and a maximum delivery head of 9 meters.

- **3-in-1 Functionality:** Capable of handling dirty water with particle sizes up to Ø35 mm, and clear water with a residual water level as low as 1 mm.
- **Aqua-Sensor Technology:** Allows for quick and easy adjustment of the pump's start level. Includes dry-run protection to prevent damage.
- **Durable Construction:** Features a robust stainless steel housing and a high-quality mechanical seal for extended service life.
- **Versatile Connections:** Includes a quick coupling for fast hose changes and a universal adapter suitable for 25/38 mm hoses and 33.3 mm (G 1") external threads.
- **Adjustable Suction Level:** The suction level can be adjusted in 4 steps, allowing for flat suction down to 1 mm in clear water mode.



Figure 3.1: The Einhell GE-DP 7935 N-A LL ECO 3-in-1 Dirty Water Pump, showcasing its compact design and robust build.



Figure 3.2: The pump features an integrated carrying handle for easy transport and portability.



Figure 3.3: Detailed view of the pump's control panel, including the Aqua-Sensor adjustment dial.

4. SETUP

4.1 Unpacking and Inspection

Carefully remove the pump and all accessories from the packaging. Inspect all components for any signs of damage. Do not use damaged parts. Ensure all listed components are present: 1x Dirty Water Pump, 1x Universal Adapter, 1x Quick Coupling.

4.2 Connecting the Discharge Hose

The pump is supplied with a quick coupling and a universal adapter for various hose sizes. Choose the appropriate connection for your discharge hose.

- **Quick Coupling:** For fast attachment and detachment of hoses with a 47.8 mm connection.
- **Universal Adapter:** Suitable for 25 mm (1 inch) and 38 mm (1 ½ inch) hoses, as well as 33.3 mm (G 1") external threads. Secure the hose with a hose clamp (not included) to prevent leaks.



Figure 4.1: The quick coupling (left) and universal adapter (right) for hose connections.



Figure 4.2: The discharge outlet on top of the pump where the hose adapter connects.

4.3 Positioning the Pump

Place the pump on a stable, level surface in the water. Ensure the suction openings at the bottom are not obstructed by mud, sand, or debris. For dirty water applications, ensure the pump is positioned to allow maximum particle intake without clogging.



Figure 4.3: Proper placement of the pump in a pond for water removal.



Figure 4.4: The pump being positioned in a pool for drainage.

5. OPERATING INSTRUCTIONS

5.1 Aqua-Sensor Function

The Aqua-Sensor allows for automatic operation based on the water level. You can adjust the desired start level using the dial on the side of the pump. The pump will automatically switch on when the water reaches the set level and switch off when the water drops below a certain threshold, preventing dry running.

- **Setting the Start Level:** Rotate the Aqua-Sensor dial to select the desired water level at which the pump should activate.
- **Dry-Run Protection:** The Aqua-Sensor automatically protects the pump from damage by shutting it off if the water level becomes too low.



Figure 5.1: The Aqua-Sensor dial for adjusting the pump's automatic start level.

5.2 Switching Between Dirty and Clear Water Modes

The pump's base can be adjusted to optimize for either dirty water (up to 35 mm particle size) or clear water (down to 1 mm residual level). Refer to the markings on the pump base for adjustment.

- **Dirty Water Mode:** Set the base to allow for larger particle intake. This mode is ideal for draining ponds, construction pits, or flooded basements with suspended solids.
- **Clear Water Mode:** Adjust the base for flat suction, enabling the pump to remove water down to a 1 mm residual level. This is suitable for draining pools or other areas where minimal water residue is desired. The suction level can be adjusted in 4 steps.

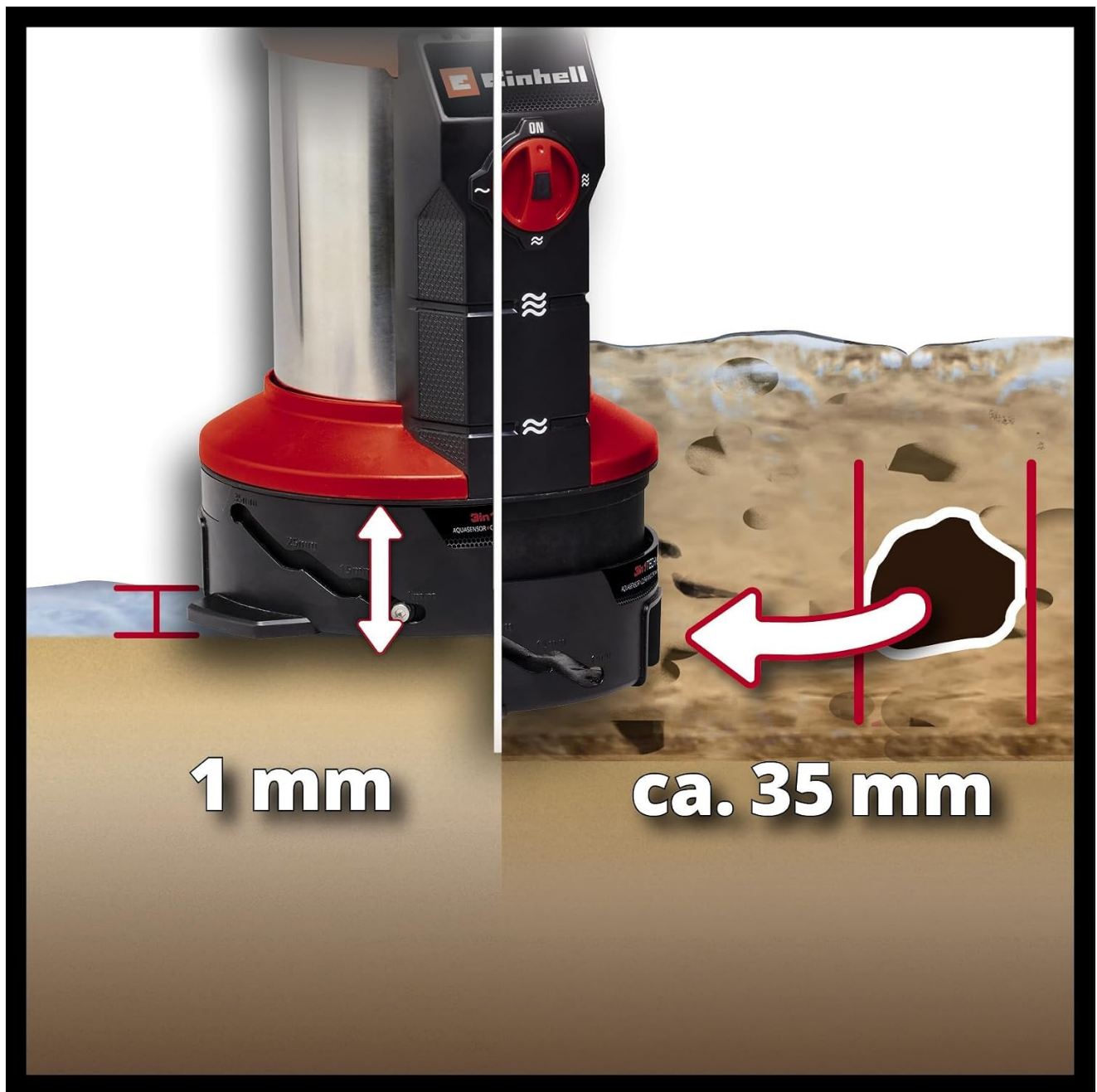


Figure 5.2: Visual representation of the pump's ability to handle dirty water with 35mm particles and clear water down to 1mm residual level.

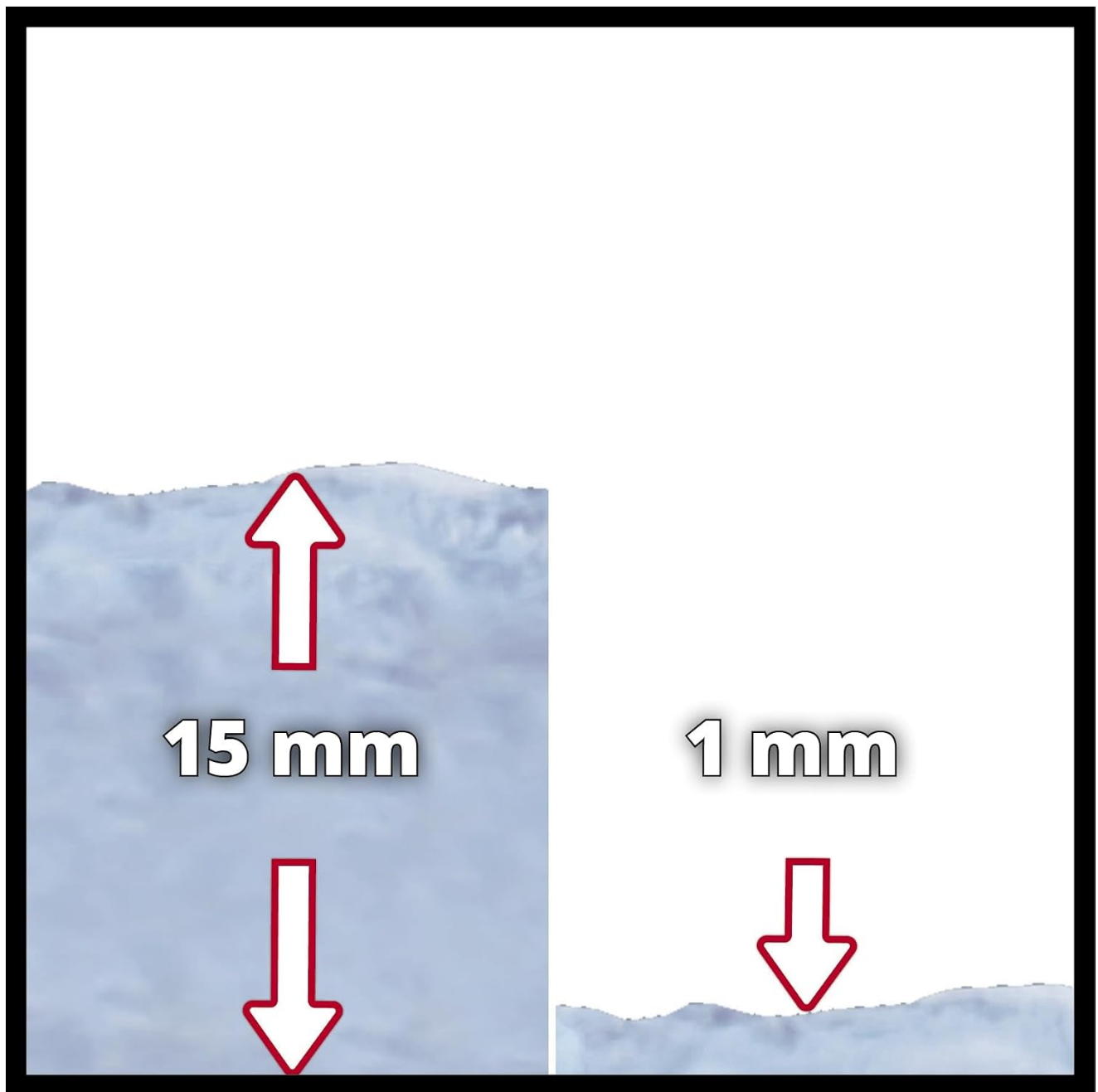


Figure 5.3: Illustrates the difference between standard and flat suction capabilities, showing 15mm vs 1mm residual water levels.



Figure 5.4: Diagram showing the 4-step adjustable suction levels (1mm, 15mm, 25mm, 35mm) on the pump base.

5.3 Powering On/Off

Once the pump is positioned and the hose is connected, plug the power cable into a suitable, grounded electrical outlet. The pump will activate according to the Aqua-Sensor settings. To manually stop the pump, unplug it from the power source.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump. Always disconnect the power supply before any maintenance work.

6.1 Cleaning the Pump

After each use, especially when pumping dirty water, rinse the pump thoroughly with clean water. This prevents sediment buildup and clogging. Check the suction openings for any debris and remove them carefully.

6.2 Checking Seals and Impeller

Periodically inspect the mechanical seal for wear or damage. Check the impeller for any obstructions or damage. If necessary, consult a qualified technician for repairs or replacement parts.

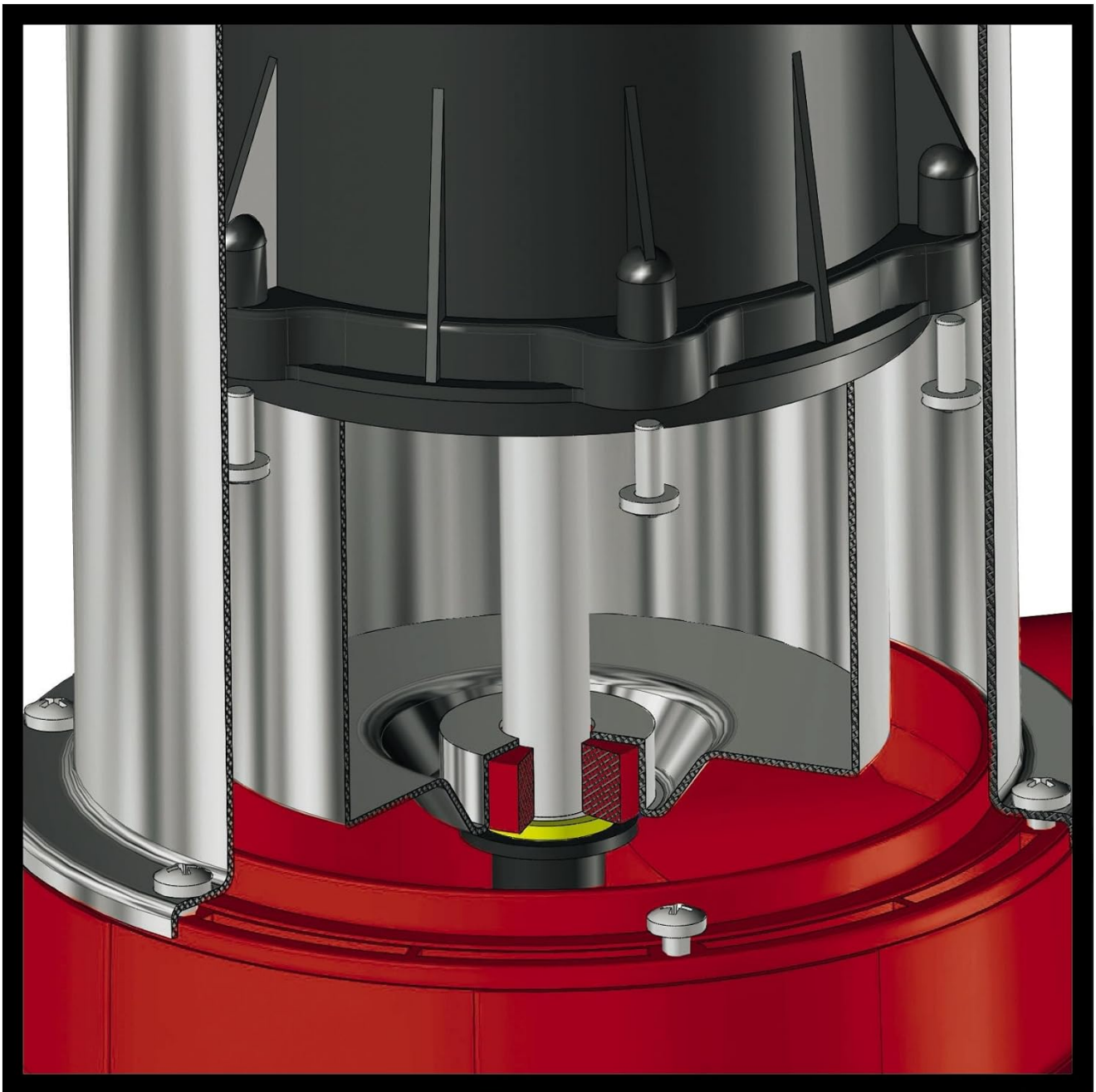


Figure 6.1: Internal view of the pump, showing the impeller and sealing components. Regular inspection of these parts is crucial for performance.

6.3 Storage

Before storing the pump for extended periods, especially during winter, ensure it is thoroughly cleaned and completely drained of water. Store the pump in a dry, frost-free location.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start.	No power supply; Aqua-Sensor not activated; Impeller blocked.	Check power connection and RCD. Adjust Aqua-Sensor level. Disconnect power and check for impeller obstructions.
Low flow rate or no water delivery.	Hose kinked or blocked; Suction openings blocked; Air in pump; Water level too low.	Check hose for kinks/blockages. Clean suction openings. Ensure pump is fully submerged and primed. Adjust Aqua-Sensor.
Pump runs continuously.	Aqua-Sensor setting too high; Water level not dropping below switch-off level.	Adjust Aqua-Sensor to a lower switch-off level. Ensure pump can reach the desired low water level.
Pump switches off prematurely.	Aqua-Sensor setting too low; Dry-run protection activated.	Adjust Aqua-Sensor to a higher switch-on level. Ensure sufficient water is available.

8. SPECIFICATIONS

Feature	Value
Brand	Einhell
Model Number	4171460
Power Source	AC (790 W)
Maximum Flow Rate	19,500 Liters Per Hour
Maximum Delivery Head	9 Meters
Max. Particle Size (Dirty Water)	Ø35 mm
Min. Residual Water Level (Clear Water)	1 mm
Product Dimensions (L x W x H)	24.5L x 24W x 49.5H cm
Item Weight	6.25 Kilograms
Housing Material	Stainless Steel
Included Components	1x Dirty Water Pump, 1x Universal Adapter, 1x Quick Coupling

9. WARRANTY AND SUPPORT

Einhell products are manufactured to high-quality standards and undergo strict quality controls. This product comes with a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Einhell website. For technical support, spare parts, or service inquiries, please contact Einhell customer service or your authorized dealer. Keep your purchase receipt as proof of warranty.

Availability of Spare Parts in the EU: 1 Year

You can find more information and contact details on the official Einhell website: www.einhell.com