

## Einhell 4331240

# Einhell Professional TP-CS 18/136-C Li BL Cordless Circular Saw User Manual

Model: 4331240

[Safety Instructions](#)

[Product Overview](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

## 1. SAFETY INSTRUCTIONS

---

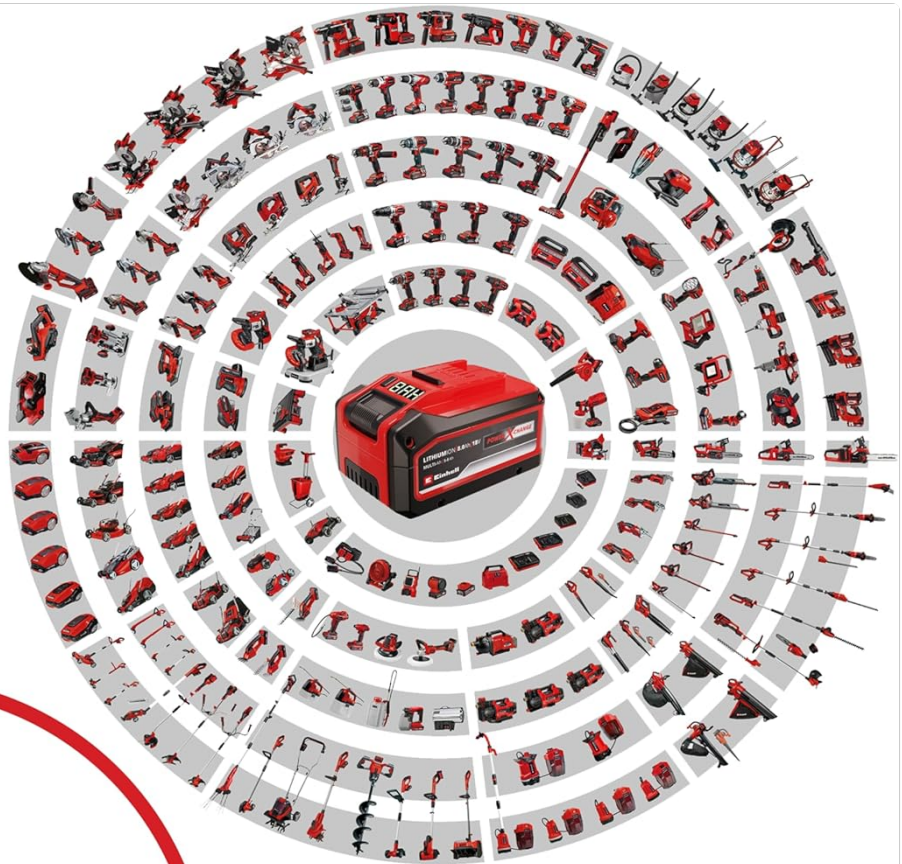
Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep the 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or remove the battery pack before making any adjustments, changing accessories, or storing power tools.
- **Kickback Prevention:** Maintain a firm grip on the saw with both hands. Never place your hand or arm in the path of the saw blade.
- **Blade Guard:** Ensure the lower guard is closed before each use. Never jam the lower guard open.

## 2. PRODUCT OVERVIEW

---

The Einhell Professional TP-CS 18/136-C Li BL is a powerful and compact cordless circular saw designed for precise cutting in wood. It is part of the Einhell Power X-Change family, allowing for interchangeable battery use across a wide range of tools.



## PART OF POWER X-CHANGE FAMILY

The Einhell Professional TP-CS 18/136-C Li BL cordless circular saw.

### Key Features:

- **Brushless Motor:** Provides increased power, longer runtime, and extended lifespan compared to conventional brushed motors.
- **Power X-Change System:** Compatible with all 18V Power X-Change batteries.
- **Compact Design:** Approximately 20% more compact than similar power circular saws, offering maximum flexibility.
- **Tool-Free Adjustments:** Easy adjustment of cutting depth (up to 51 mm at 90°) and bevel angle (up to 48°).
- **Spindle Lock:** For quick and easy saw blade changes.
- **Electric Motor Brake & Softstart:** Enhances user safety and control.
- **Softgrip Surfaces:** For comfortable and secure handling.
- **Dust Extraction Adapter:** For a clean working environment.
- **LED Light:** Illuminates the cutting area for optimal visibility.

 **Conexión de aspiración**  
Ø 36 mm

 **Luz LED**  
iluminación del área de corte



 **Diseño compacto**  
hoja de sierra de Ø 136

 **Bloqueo de husillo**  
cambio de hoja de sierra

 **Ajuste sin herramientas**  
profundidad de corte hasta 51 mm  
inclinable hasta 48°

Key features of the circular saw, including dust extraction, LED light, compact design, spindle lock, and tool-free adjustments.

# EINHELL

## MÁS POTENCIA PARA PROFESIONALES

Resistente, potente, duradero.  
Los Einhell PROFESSIONAL equipos ofrecen más opciones: desde la motosierra con batería por el cortasetos con batería hasta el cortacésped con batería. Con la amplia gama de diferentes PROFESSIONAL productos, todos los aficionados y artesanos encontrarán los productos adecuados para obtener aún más potencia.

Einhell PROFESSIONAL no es solo la primera opción para los aficionados, sino también para los autónomos y las pequeñas empresas.

### 3. SETUP

---

#### 3.1. Battery Installation

This circular saw operates on the Einhell Power X-Change 18V battery system. The battery and charger are not included and must be purchased separately.

1. Ensure the tool is switched off.
2. Slide a charged Power X-Change battery pack into the battery receptacle until it clicks into place.
3. To remove, press the release button on the battery pack and slide it out.



**Batería y Cargador  
se venden por separado**

Illustration showing that the Power X-Change battery and charger are sold separately.

#### 3.2. Saw Blade Installation/Change

The saw blade can be changed quickly and easily without additional tools thanks to the spindle lock mechanism.

1. Disconnect the battery pack from the tool.

2. Press and hold the spindle lock button.
3. Use the provided hex key to loosen the blade retaining screw by turning it counter-clockwise.
4. Remove the outer flange and the old saw blade.
5. Clean the flanges and the blade arbor.
6. Place the new 136mm HW/TCT saw blade onto the arbor, ensuring the rotation direction arrow on the blade matches the arrow on the tool.
7. Reinstall the outer flange and tighten the blade retaining screw clockwise while holding the spindle lock button. Ensure it is securely fastened.



## Bloqueo de husillo para cambio rápido y sencillo de hoja de sierra

Using the spindle lock for quick and easy saw blade changes.



Close-up of the circular saw blade and the tool for changing it.

### 3.3. Dust Extraction Connection

For a cleaner work environment, connect a suitable dust extraction system to the saw's dust port.

1. Locate the dust extraction adapter on the saw.
2. Attach a vacuum hose (with a 36mm diameter) to the adapter.



Connecting the dust extraction adapter to the circular saw for a clean workspace.

## 4. OPERATION

### 4.1. Adjusting Cutting Depth and Bevel Angle

The cutting depth and bevel angle can be adjusted quickly and without tools.

1. **Cutting Depth:** Loosen the depth adjustment lever. Move the base plate up or down to the desired cutting depth (max. 51 mm at 90°). Tighten the lever securely.

2. **Bevel Angle:** Loosen the bevel adjustment lever. Tilt the saw base plate to the desired angle (up to 48°). Tighten the lever securely.



## Ajuste sin herramientas del ángulo hasta 48° y profundidad de corte hasta 51 mm

Tool-free adjustment of the cutting angle up to 48° and cutting depth up to 51 mm.

### 4.2. Using the Parallel Guide

The parallel guide helps achieve straight and consistent cuts along an edge.

1. Slide the parallel guide into the slots on the front of the base plate.
2. Adjust the guide to the desired width from the saw blade.
3. Tighten the locking screw to secure the guide in place.



The Einhell circular saw in action, demonstrating its cutting capability on wood with the parallel guide.

### 4.3. Starting and Stopping the Saw

The saw features a Softstart function for smooth power-up and an electric motor brake for quick stopping.

1. **Starting:** Press the safety lock-off button, then squeeze the trigger switch. The Softstart feature will ensure a gradual increase in speed.
2. **Stopping:** Release the trigger switch. The electric motor brake will quickly stop the blade rotation.

### 4.4. LED Work Light

The integrated LED light automatically illuminates the cutting line when the saw is in operation, improving visibility in dimly lit areas.



## Luz LED para iluminación óptima del área de trabajo

The integrated LED light illuminating the cutting area for optimal visibility.

### 5. MAINTENANCE

---

Regular maintenance ensures the longevity and optimal performance of your circular saw.

#### 5.1. Cleaning

- Always remove the battery pack before cleaning.
- Keep the ventilation openings clean to prevent motor overheating.
- Regularly clean the saw blade and the area around the blade guard to ensure smooth operation.
- Use a soft brush or compressed air to remove dust and debris. Do not use solvents or abrasive cleaners.

#### 5.2. Blade Care

- Inspect the saw blade before each use for damage, dullness, or missing teeth. Replace damaged blades immediately.
- Keep blades sharp for efficient and safe cutting. Dull blades can cause kickback and strain the motor.

#### 5.3. Brushless Motor

The brushless motor requires minimal maintenance. No carbon brushes need to be replaced. However, ensure the motor housing remains free from excessive dust and debris.

## 6. TROUBLESHOOTING

---

This section addresses common issues you might encounter with your circular saw.

Problem	Possible Cause	Solution
Saw does not start	Battery not inserted correctly or discharged. Safety lock-off not pressed.	Ensure battery is fully charged and correctly inserted. Press safety lock-off button before trigger.
Poor cutting performance / Blade binds	Dull or damaged blade. Incorrect cutting depth. Material too thick.	Replace or sharpen blade. Adjust cutting depth appropriately. Do not force the tool.
Excessive vibration	Damaged or improperly installed blade. Loose components.	Check blade for damage and proper installation. Tighten all screws and fasteners.
Dust extraction ineffective	Dust port clogged. Vacuum hose not properly connected.	Clear any blockages from the dust port. Ensure a secure connection to the vacuum hose.

## 7. SPECIFICATIONS

---

Technical data for the Einhell Professional TP-CS 18/136-C Li BL Cordless Circular Saw.

Feature	Detail
Brand	Einhell
Model Number	4331240
Power Source	Battery (Power X-Change 18V)
Motor Type	Brushless
Saw Blade Diameter	136 mm
Max. Cutting Depth (90°)	51 mm
Max. Bevel Angle	48°
Special Features	Brushless motor, Softgrip, Swiveling suction adapter, LED light, Softstart, Electric motor brake
Recommended Surface	Wood
Product Weight	2.26 Kilograms
Country of Origin	China

# Potencia de corte máx. por ciclo de carga de la batería

aglomerado 19 mm



2.0 AH  
28 m



2.5 AH  
35 m



3.0 AH  
42 m



4.0 AH  
56 m



5.2 AH  
73 m



6.0 AH  
84 m



8.0 AH  
112 m

Table showing maximum cutting performance per battery charge for 19mm chipboard with various Power X-Change battery capacities.

## 8. WARRANTY AND SUPPORT

Einhell stands by the quality of its Professional products.

### 8.1. Warranty Information

- **Motor Warranty:** The brushless motor is covered by a 10-year warranty upon registration.
- **Professional Warranty:** A prolonged 3-year professional warranty is offered upon online registration, including for commercial use.
- **Spare Parts Availability:** Spare parts are available for 8 years within the EU.

### 8.2. Customer Support

For technical assistance, warranty claims, or spare parts, please contact Einhell customer service through their official website or the retailer where the product was purchased. Please have your model number (4331240) and proof of purchase ready.