

## CRAFTSMAN CMCCS630P1

# CRAFTSMAN V20 RP Cordless Chainsaw (CMCCS630P1) User Manual

Model: CMCCS630P1

## 1. PRODUCT OVERVIEW

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The CRAFTSMAN V20 RP Cordless Chainsaw (CMCCS630P1) is designed for efficient yard work. It features a brushless motor, a 12-inch bar and chain, and is powered by a V20 5Ah battery. This model is engineered for maneuverability and reduced maintenance, offering a lightweight design compared to traditional gas saws.



Image 1: CRAFTSMAN V20 RP Cordless Chainsaw (CMCCS630P1) with 12-inch bar and chain.

### Key Features:

- **Brushless Motor:** Delivers enhanced power and efficiency.
- **12-inch Bar and Chain:** Provides maneuverability for various cutting tasks.
- **Auto-Oiling System:** Minimizes maintenance by providing continuous lubrication.
- **Lightweight Design:** Approximately 40% lighter than a 42cc gas saw (with 5Ah battery), reducing user

fatigue.

- **V20 5Ah Battery and Charger:** Included for immediate use.
- **VERSATRACK Wall Storage Compatible:** Allows for convenient storage (storage system sold separately).

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Video 1: Official product overview of the CRAFTSMAN V20 RP Cordless Chainsaw, highlighting its features and benefits.

## 2. IMPORTANT SAFETY INFORMATION

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**WARNING:** 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.

### General Chainsaw Safety Rules:

- **Wear Appropriate Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. A hard hat and leg protection (chaps) are also recommended.
- **Maintain a Firm Grip:** Hold the chainsaw with both hands, keeping your thumbs and fingers encircling the chainsaw handles.
- **Be Aware of Kickback:** Avoid contact of the guide bar tip with any object. Kickback can occur when the moving chain contacts an object at the upper portion of the guide bar tip, causing a sudden upward and backward reaction.
- **Clear Work Area:** Ensure the area where you are cutting is free of obstructions, debris, and other people or animals.
- **Proper Footing and Balance:** Always maintain proper footing and balance. Do not overreach.
- **Inspect Before Use:** Before each use, check the chainsaw for loose parts, damage, or wear. Ensure the chain is sharp and properly tensioned, and the oil reservoir is filled.
- **Battery Safety:** Only use the specified battery pack and charger. Do not expose battery packs to water or extreme temperatures.
- **Never Operate Under Influence:** Do not operate the chainsaw while tired, ill, or under the influence of drugs, alcohol, or medication.

## 3. COMPONENTS

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Familiarize yourself with the main components of your CRAFTSMAN V20 RP Cordless Chainsaw:

- **Guide Bar:** The metal bar that guides the saw chain.
- **Saw Chain:** The cutting chain that rotates around the guide bar.
- **Front Handle:** For two-hand operation and control.
- **Rear Handle:** Main grip with trigger switch.
- **Chain Brake/Hand Guard:** Safety feature to stop the chain and protect the hand.
- **Oil Reservoir Cap:** For filling chain lubricant.
- **Chain Tensioning Knob:** For adjusting chain tension.
- **Battery Port:** Where the V20 battery is inserted.
- **Trigger Switch:** Activates the chainsaw.
- **Lock-Off Button:** Prevents accidental starting.

**12 IN. BAR AND CHAIN**

**PEAK HORSEPOWER UP TO 80% GREATER\*\*\***

**40% LIGHTER††**

**VERSATRACK™ COMPATIBLE**

**UP TO 105 CUTS PER CHARGE\*\***

**CUTS THROUGH 4X4 PRESSURE TREATED PINE IN LESS THAN 5 SECONDS†**

**V20 BRUSHLESS RP LITHIUM ION**

†† WEIGHED WITH CMCB205 5.0AH BATTERY, AS COMPARED TO THE CMXGSAMY42N4 GAS CHAINSAW WITH FULL TANK OF GAS  
 † USING CMCB205 5.0AH BATTERY  
 \*\*\*USING CMCB205 5.0AH BATTERY VS. CRAFTSMAN CMCCSG1001 CHAINSAW USING CMCB202 2.0AH BATTERY  
 \*\*PER CHARGE, USING A CRAFTSMAN V20™ CMCB205 5.0AH BATTERY ON 4X4 PRESSURE TREATED PINE  
 \*MAXIMUM INITIAL BATTERY VOLTAGE (MEASURED WITHOUT A WORKLOAD) IS 20 VOLTS. NOMINAL VOLTAGE IS 18.

Image 2: Overview of the chainsaw highlighting key features like the 12-inch bar, brushless motor, and battery system.

## 4. SETUP

### 4.1. Battery Installation

1. Ensure the chainsaw is turned off and the chain brake is engaged.
2. Align the V20 5Ah battery pack with the battery port on the chainsaw.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button and pull the battery pack out.



Image 3: Proper insertion of the V20 battery into the chainsaw.

## 4.2. Filling the Chain Oil Reservoir

1. Place the chainsaw on a clean, flat surface.
2. Unscrew the oil reservoir cap.
3. Fill the reservoir with high-quality bar and chain oil. Do not use waste oil or motor oil.
4. Replace the cap and tighten it securely.
5. Periodically check the oil level during operation and refill as needed.

## 4.3. Chain Tensioning

1. Ensure the battery is removed and the chain brake is engaged.
2. Loosen the bar retaining nuts (if applicable, this model has bolt lock tensioning, so it might be a knob).
3. Turn the chain tensioning knob clockwise to increase tension, or counter-clockwise to decrease tension.
4. The chain is correctly tensioned when it can be pulled away from the guide bar by about 1/8 to 1/4 inch (3-6 mm) at the center, and it snaps back into place when released.
5. Tighten the bar retaining nuts securely.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Starting the Chainsaw

1. Ensure the battery is fully charged and properly installed.
2. Disengage the chain brake by pulling the hand guard back towards the front handle.
3. Press and hold the lock-off button with your thumb.
4. Squeeze the trigger switch to start the chainsaw. Release the lock-off button once the chain starts moving.
5. Allow the chain to reach full speed before making a cut.

### 5.2. Basic Cutting Techniques

- **Felling Small Trees:** For small trees, clear the area around the tree. Make an undercut on the side the tree is intended to fall, then make a felling cut from the opposite side, slightly above the undercut. Always ensure a clear escape path.
- **Limbing:** Remove branches from a fallen tree. Work from the base of the tree towards the top, cutting smaller branches first. Be aware of branches under tension that may spring back.
- **Bucking:** Cutting a fallen log into shorter sections. Support the log to prevent pinching the guide bar. If cutting a log on the ground, avoid cutting into the soil, which dulls the chain quickly.



Image 4: Chainsaw in action, demonstrating its cutting capability on a piece of wood.



Image 5: User operating the chainsaw to cut through a log.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your chainsaw.

### 6.1. Chain Lubrication

- The chainsaw features an auto-oiling system. Ensure the oil reservoir is always filled with appropriate bar and chain oil before and during use.
- Check the oil level frequently.

### 6.2. Cleaning

- After each use, remove the battery.
- Clean sawdust and debris from the guide bar, chain, and motor housing using a brush or compressed air.
- Wipe down all external surfaces with a damp cloth.

### 6.3. Chain Sharpening

- A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly or replace it when dull.
- Refer to a professional or consult a detailed guide for proper chain sharpening techniques.

### 6.4. Storage

- Store the chainsaw in a dry, secure location out of reach of children.
- Remove the battery pack before storing for extended periods.
- The chainsaw is VERSATRACK Wall Storage Compatible for organized storage.



Image 6: Chainsaw stored on a VERSATRACK wall system, demonstrating its compatibility.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or improperly installed. Chain brake engaged. Lock-off button not pressed.	Ensure battery is charged and correctly inserted. Disengage chain brake. Press lock-off button before squeezing trigger.
Chain does not move or moves slowly.	Chain tension too tight. Chain dull or damaged. Low battery charge.	Adjust chain tension. Sharpen or replace chain. Recharge battery.
Excessive vibration.	Loose chain. Damaged chain or guide bar.	Check and adjust chain tension. Inspect chain and guide bar for damage and replace if necessary.
Oil not dispensing.	Oil reservoir empty. Oil port clogged.	Refill oil reservoir. Clean oil port.

## 8. SPECIFICATIONS

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Feature	Detail
Model Number	CMCCS630P1
Brand	CRAFTSMAN
Power Source	Battery Powered (V20 Lithium Ion)
Bar Length	12 inches
Motor Type	Brushless RP
Battery Included	(1) V20 5Ah Lithium Ion
Charger Included	(1) V20 Charger
Item Weight	9 Pounds
Product Dimensions	28.74"L x 9.23"W x 11.53"H
UPC	885911955010

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please refer to the official CRAFTSMAN website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the official CRAFTSMAN store for more products and information: [CRAFTSMAN Store](#)