

OPERATOR'S MANUAL

# WOOD CHIPPER

**WC1205**



**FRONTIER**

5PQ990103 (10/08/2014)

## TABLE OF CONTENTS

<b>Introduction</b> .....	2
Intended Use .....	2
Serial Number .....	2
Specifications .....	2
<b>Safety</b> .....	3
Safety Decals .....	4
Driveline Safety .....	5
<b>Inspection and Set-up</b> .....	6
<b>Operation</b> .....	7
Startup .....	7
Chipping Tips .....	7
Chip Chute Adjustments .....	8
Deflector .....	8
Feeding Material .....	9
<b>Maintenance &amp; Service</b> .....	10
Belt Tension .....	10
Replacing the Belts .....	10
Knives .....	11
Anvil .....	11
<b>Lubrication</b> .....	12
Bearings .....	12
Feed Roller Slide .....	13
<b>Optional Equipment</b> .....	14
<b>Warranty</b> .....	15
<b>Notes</b> .....	15
<b>Illustrated Parts Breakdown</b> .....	16
Base Assembly Parts .....	17
Feed Roller Carriage .....	18
Rotor Housing Assembly .....	19
Hopper Assembly .....	21
Decals & Labels .....	22

## INTRODUCTION

### Intended Use

Frontier Chippers are designed to chip natural, untreated wood only. Materials that are processed may contain chemicals or by-products that could corrode the machine, damage the blades, or spontaneously combust. Frontier Equipment will not cover under warranty any chipper that has been used for anything besides natural wood.

### Serial Number

The chipper's serial number is located on the inside of the base. This number helps us to track changes and improvements and must be mentioned when ordering parts or requesting service. For your convenience, a space has been provided inside the front cover of this manual to record the serial number, model number, purchase date, and dealer name.

### Specifications



Specifications	WC1103	WC1105	WC1205
Chip Opening	3 x 5.5 in. (7.5 x 14cm)	5.5 x 8 in. (14 x 20cm)	
Drive System	PTO		PTO
Engine	N/A		N/A
Transport	3 Point Hitch		3 Point Hitch
HP Required	16		35+
Rotor Size	65 lbs.		165 lbs.
Knives	(2) 2.5 x 3.25 x 5/16 in.		(4) 2.5 x 3.25 x 5/16 in.
Knife Bolts	3/8" Recessed Head Hardened Bolts		
Feed System	Manual		Hydraulic
Hydraulic Requirement	N/A		6 GPM
Feed Roller	N/A		15" (37.5cm)
Hopper Opening	25 x 18 in. (62.5 x 45cm)	28 x 28 in. (70 x 70cm)	
Feed Height	38" (95cm)	41" (102.5cm)	21" (52.5cm)
Weight (lbs.)	375	650	775

**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**

**<https://www.ebooklibonline.com>**

Hello dear friend!

















Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**

## SAFETY

-  ***Do not operate this machine until this manual has been read and fully understood; serious injury or death can occur if these safety warnings are ignored!***
-  Never allow more than one person to operate this machine at a time. If two people are working together it will increase the chance of your workmate engaging the machine or causing you to fall into the machine.
-  Wood is much harder than human flesh! If your hand is ever near the chipping or feeding area serious injury can occur. NEVER place your hands on the machine while it is chipping.
-  Never place your hands or feet on or near the machine while it is engaged.
-  Never place your hands or feet on or near the material while it is feeding.
-  DO NOT wear loose clothing, jewelry, or anything that can catch a branch that is feeding into the chipper.
-  DO NOT stand directly in front of the infeed hopper when loading material into the hopper; always load from the side of the hopper. This will not allow any part of your body to be pulled into the machine.
-  Do not go near any hydraulic leaks. Hydraulic oil is under extreme pressure and a small leak can easily penetrate the skin, causing serious injury or infection.
-  Always wear safety hearing protection, eye wear, gloves, and long pants when operating the chipper.
-  Never place your hands beyond the opening of the hopper while the chipper is running.
-  Never allow children, disabled, or untrained persons to operate the chipper.
-  Do not operate the chipper near bystanders, public roads, or anywhere that the debris may travel far enough to injure another person.
-  Never move the chipper while it is running.
-  Shut off the tractor and allow the chipper to come to a complete stop before removing any debris.
-  Never perform any maintenance or repair while the chipper is running.
-  The SMV (Slow Moving Vehicle) Triangle must be visible at all times when traveling on public roads.



**Suggest:**

**For more complete manuals. Please go to the home page.**

**<https://www.ebooklibonline.com>**

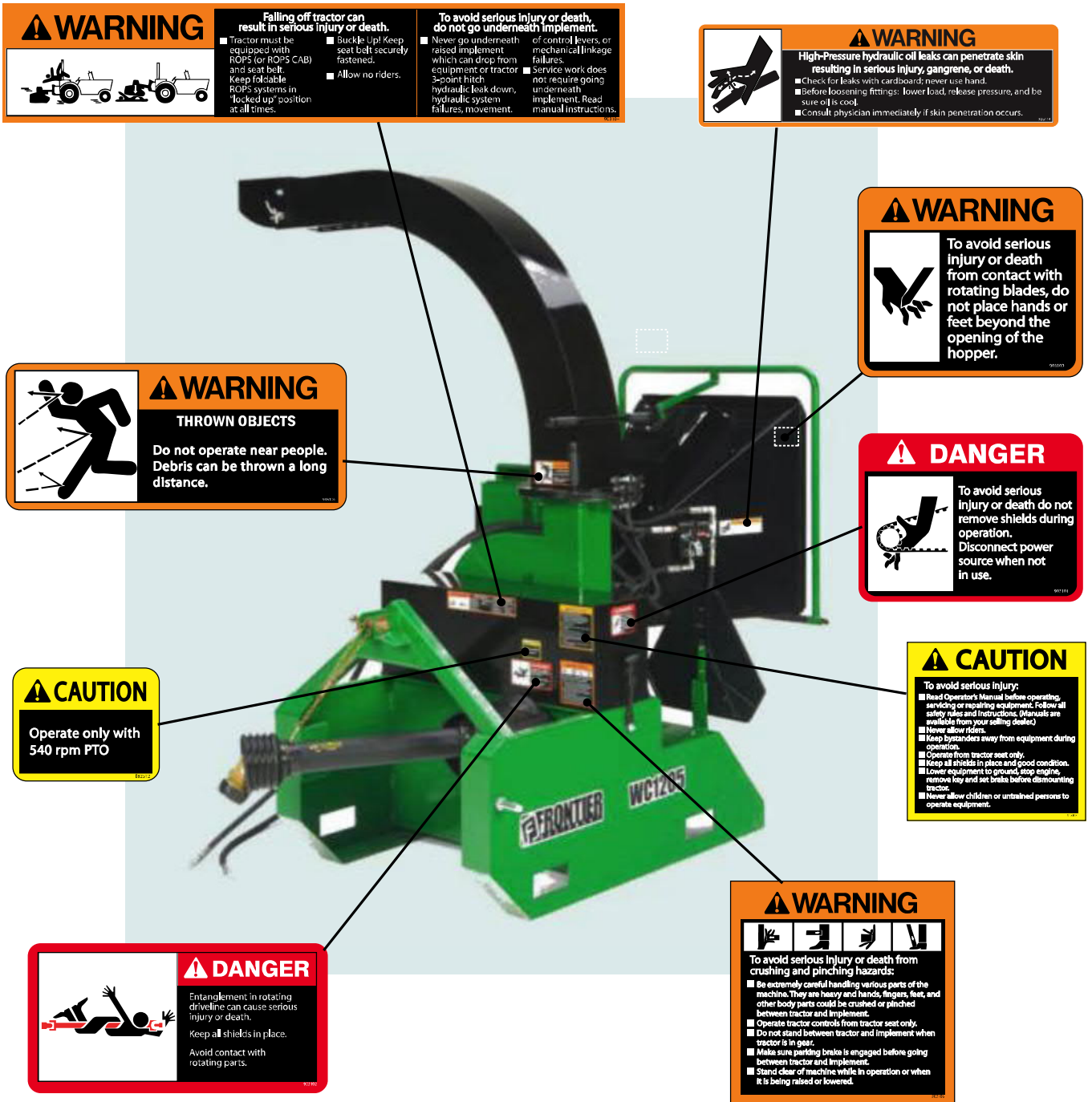
**If the above button click is invalid. Please download this document first, and then click the above link to download the complete manual.**

**Thank you so much for reading**

**SAFETY**

**Safety Decals**

Warning decals are provided to insure safe and proper use of the machine and should be heeded at all times. If at any time there are damaged and/or faded decals, contact your dealer for replacements immediately. Below is an illustration of each decal and its placement.



**WARNING**

**Falling off tractor can result in serious injury or death.**

- Tractor must be equipped with ROPS (or ROPS CAB) and seat belt. Keep foldable ROPS systems in "locked up" position at all times.
- Buckle Up! Keep seat belt securely fastened.
- Allow no riders.

**To avoid serious injury or death, do not go underneath implement.**

- Never go underneath raised implement which can drop from equipment or tractor.
- 3-point hitch hydraulic leak down, hydraulic system failures, movement of control levers, or mechanical linkage failures.
- Service work does not require going underneath implement. Read manual instructions.

**WARNING**

**High-Pressure hydraulic oil leaks can penetrate skin resulting in serious injury, gangrene, or death.**

- Check for leaks with cardboard; never use hand.
- Before loosening fittings: lower load, release pressure, and be sure oil is cool.
- Consult physician immediately if skin penetration occurs.

**WARNING**

**To avoid serious injury or death from contact with rotating blades, do not place hands or feet beyond the opening of the hopper.**

**DANGER**

**To avoid serious injury or death do not remove shields during operation. Disconnect power source when not in use.**

**CAUTION**

**To avoid serious injury:**

- Read Operator's Manual before operating, servicing or repairing equipment. Follow all safety rules and instructions. (Manuals are available from your selling dealer.)
- Never allow riders.
- Keep bystanders away from equipment during operation.
- Operate from tractor seat only.
- Keep all shields in place and good condition.
- Lower equipment to ground, stop engine, remove key and set brake before dismounting tractor.
- Never allow children or untrained persons to operate equipment.

**WARNING**

**THROWN OBJECTS**

**Do not operate near people. Debris can be thrown a long distance.**

**CAUTION**

**Operate only with 540 rpm PTO**

**DANGER**

**Entanglement in rotating driveline can cause serious injury or death.**

Keep all shields in place.

Avoid contact with rotating parts.

**WARNING**

**To avoid serious injury or death from crushing and pinching hazards:**

- Be extremely careful handling various parts of the machine. They are heavy and hands, fingers, feet, and other body parts could be crushed or pinched between tractor and implement.
- Operate tractor controls from tractor seat only.
- Do not stand between tractor and implement when tractor is in gear.
- Make sure parking brake is engaged before going between tractor and implement.
- Stand clear of machine while in operation or when it is being raised or lowered.