

OPERATOR'S MANUAL

# ROTARY TILLERS

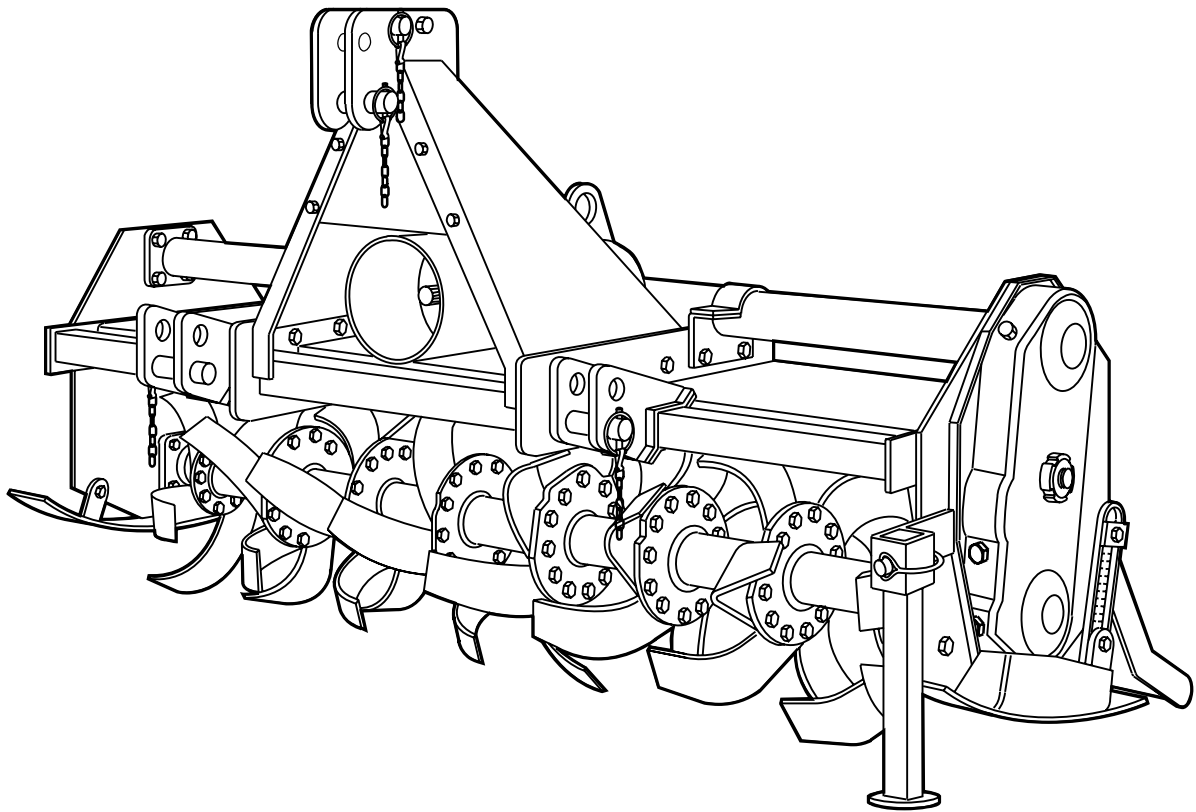
RT 1173

RT 1273

RT 2293

RT 1181

RT 2283



**FRONTIER**  
EQUIPMENT

Cod. F07010857 / Rev. 00 (2011-04)

THIS MANUAL IS ALSO APPLICABLE TO FRONTIER TILLERS WITH MODEL NUMBERS ENDING IN A 'C'.

# TABLE OF CONTENTS

<b>Technical specification</b>		Tilling tips .....	20
Technical specification .....	4	During tilling .....	20
Technical specification - Hitch .....	6	Replacement parts .....	20
<b>Safety signs</b>		<b>Service Machine Safely</b>	
Safety-Alert simbol .....	7	Practice safe maintenance .....	21
Identification machine .....	7	Wear appropriate clothing .....	21
Machine safety labels .....	7	Stay clear of rotating drivelines .....	21
<b>Machine safety labels and positions</b>		<b>Service lubrication</b>	
Machine safety labels and positions .....	8	Service lubrication .....	22
<b>Preparing the vehicle</b>		Every 8 work hours .....	22
Preparing the tractor .....	10	Every 50 work hours .....	22
Park vehicle safety .....	10	Every 400 work hours .....	22
Stay clear of rotating drivelines .....	10	Every 1000 work hours .....	22
<b>Installing</b>		Greasing and lubricant points .....	23
Installing tiller on tractor .....	10	Lubricants .....	23
PTO shaft .....	12	Screw tightening torques .....	23
PTO shaft with clutch .....	13	<b>Service</b>	
Quick Coupler (optional) .....	14	Chain stretcher .....	24
Park vehicle safety .....	14	Service intervals .....	24
Stay clear of rotating drivelines .....	14	Replacing tines .....	24
<b>Removing</b>		Tines .....	24
Removing tiller .....	15	<b>Troubleshooting</b>	
Removing tiller with Quick Coupler .....	15	Using troubleshooting chart .....	25
<b>Operating</b>		<b>Storing machine</b>	
Operate safely .....	16	Storing tiller .....	26
Wear appropriate clothing .....	17	Removing tiller from storage .....	26
Stay clear of rotating drivelines .....	17	<b>Assembly / Spare parts</b>	
Raising parking stand .....	17	RT 1173-1181-1273-2283-2293 .....	27
Lowering parking stand .....	17	Lift hook assembly procedure .....	29
Levelling attachments (side-to-side) .....	17	Installing driveline on tiller .....	29
Levelling tiller (front-to-rear) .....	18	Spare parts .....	29
Adjusting skid shoes .....	18		
Adjusting levelling board .....	18		
Spring ram .....	19		
Change speed .....	19		

---

---

**TO THE DEALER:**

Assembly and proper installation of this product is the responsibility of the Frontier dealer. Read manual instruction and safety rules. Make sure all items on the Dealer's Pre-Delivery Check List in the Operator's Manual are completed before releasing equipment to the owner.

The dealer must complete the Warranty Registration, located on the Frontier website. **Warranty claims will be denied if the Warranty Registration has not been completed.**

**TO THE OWNER:**

Read this manual before operating your frontier equipment. The information presented will prepare you to do a better and a safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all the adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your selling dealer.

The equipment you have purchased has been carefully engineered and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the equipment.

For service, your authorized Frontier dealer has trained mechanics, genuine Frontier service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine Frontier service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

**Model:** \_\_\_\_\_ **Date of Purchase** \_\_\_\_\_  
**Serial Number: (see Safety Decal section for location)** \_\_\_\_\_

Provide this information to your dealer to obtain correct repair parts.

Throughout this manual, the term **IMPORTANT** is used to indicate that failure to observe can cause damage to equipment. The terms **CAUTION**, **WARNING** and **DANGER** are used in conjunction with the Safety-Alert Symbol, (a triangle with an exclamation mark), to indicate the degree of hazard for items of personal safety.



This Safety-Alert Symbol indicates a hazard and means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**



Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.



**WARNING**

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed.



**CAUTION**

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

**IMPORTANT**

Indicates that a failure to observe can cause damage to equipment.

**NOTE**

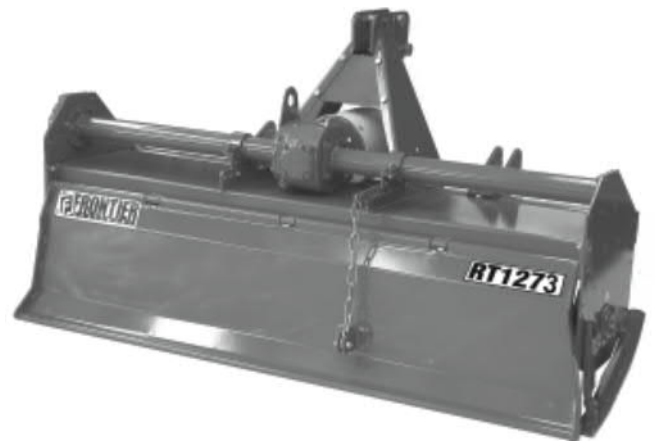
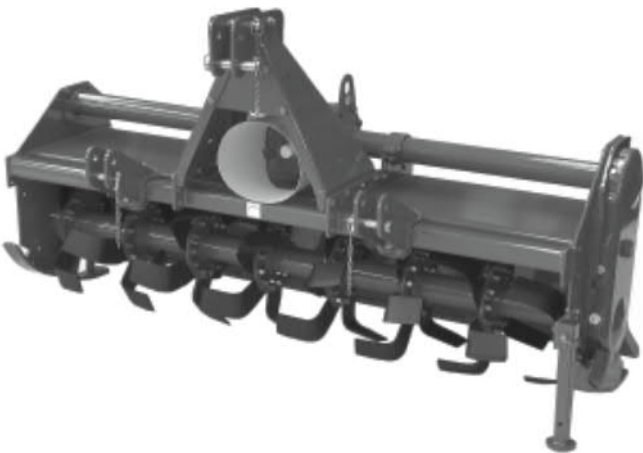
Indicates helpful information.

# TECHNICAL SPECIFICATIONS

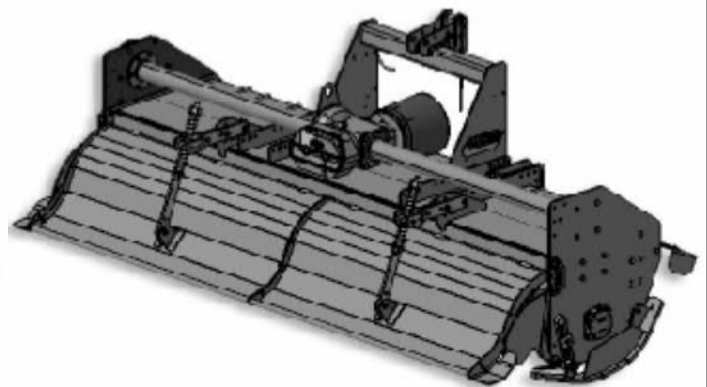
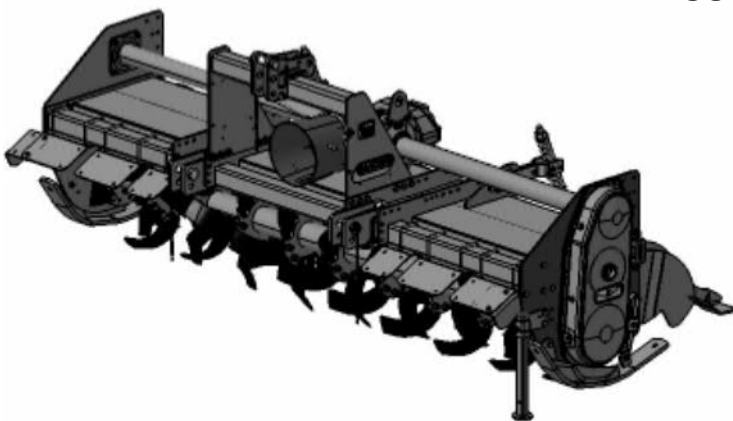
## RT 1173 - 1181



## RT 1273



## RT 2283 - 2293



# TECHNICAL SPECIFICATIONS

## RT 1173 - 1181

<i>Model</i>	<i>Work/width inches</i>	<i>Tractor HP min</i>	<i>Tractor HP max</i>	<i>Weight lbs.</i>	<i>Side Drive</i>	<i>PTO shaft</i>	<i>Speeds gear box</i>	<i>Input speed</i>	<i>Hitch</i>	<i>Tines STD</i>	<i>Rotor blades</i>	<i>Rotor flanges</i>
RT 1173	73	45	60	761	Chain ASA 100	Slip Clutch	Single	540	Cat. "II" Quick coupler	"C"	6	10
RT 1181	81	50	60	810	Chain ASA 100	Slip Clutch	Single	540	Cat. "II" Quick coupler	"C"	6	11

## RT 1273

<i>Model</i>	<i>Work/width inches</i>	<i>Tractor HP min</i>	<i>Tractor HP max</i>	<i>Weight lbs.</i>	<i>Side Drive</i>	<i>PTO shaft</i>	<i>Speeds gear box</i>	<i>Input speed</i>	<i>Hitch</i>	<i>Tines STD</i>	<i>Rotor blades</i>	<i>Rotor flanges</i>
RT 1273	73	30-70	80	968	Gear	Slip Clutch	Single	540	Cat. "II" Quick coupler	"L"	6	7

## RT 2283 - 2293

<i>Model</i>	<i>Work/width inches</i>	<i>Tractor HP min</i>	<i>Tractor HP max</i>	<i>Weight lbs.</i>	<i>Side Drive</i>	<i>PTO shaft</i>	<i>Speeds gear box</i>	<i>Input speed</i>	<i>Hitch</i>	<i>Tines STD</i>	<i>Rotor blades</i>	<i>Rotor flanges</i>
RT 2283	83	30-70	80	1397	Gear	Slip Clutch	Multi	540	Cat. "II" Quick coupler	"L"	6	8
RT 2293	93	40-80	100	1496	Gear	Slip Clutch	Multi	540	Cat. "II" Quick coupler	"L"	6	9

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)