

# MF RB SERIES

## Fixed Chamber Round Balers

MF RB 3130 F Classic, MF RB 3130 F Xtra & MF RB 3130 F Protec



MASSEY FERGUSON

BORN TO **FARM**



# MF RB SERIES

WE ARE STRIVING FOR PERFECTION AT EVERY STEP OF THE DESIGN AND MANUFACTURING PROCESS OF OUR PRODUCTS. As a result of our continuous development we proudly introduce new features and innovations on our MF fixed chamber balers and Protec baler wrapper combination.

New-style side panels enhance ergonomics and numerous features under the covers improve performance and bale quality.

Enhancing our baler range to precisely meet the needs of farmers and contractors is our goal, offering a solution to suit their end use

and market requirements, their crops, and their terrain.

Whether baling silage, hay or straw, farmers are always looking for high output, cost effective and flexible solutions to produce quality, dense bales which are easy to transport and require minimum storage space.

Consistent bale density is essential for all baled products, and the latest MF fixed chamber round balers offer farmers the best solution due to their class-leading compaction, cutter and pick-up capabilities. As a result, they are the ideal choice for those looking for high throughput and quality fodder or straw.

For silage requirements, these balers produce tight, well-shaped bales, which are a prerequisite for the fermentation process needed to retain the crop's essential nutrients for forage.

In hay, straw and biomass, the MF RB Series Balers form dense bales which are easy to handle and stack. They also retain their quality for a long period of time.

The MF fixed chamber round balers are therefore suitable for a diverse range of farms and contracting businesses, including mixed, arable and livestock.

## CONTENTS

- 03 High quality silage and straw
- 04 Fixed Chamber range
- 05 A closer look at the MF RB Series fixed chamber round balers
- 06 High speed pick-up
- 07 Xtracut for optimum cutting performance
- 08 Hydroflexcontrol - two stage protection system
- 09 Bale chamber
- 10 Binding options
- 11 Protec baler wrapper combination
- 15 Monitoring and Control
- 16 Experience, innovation and durability
- 17 Customer support
- 19 Specifications & Options



06 High speed pick-up

08 Hydroflexcontrol - two stage protection system

09 Bale chamber

15 Monitoring and control

16 Experience, innovation and durability

# MF RB SERIES ROUND BALERS

## FIXED CHAMBER RANGE



Special Powergrip rollers ensure constant grip for best bale shape and appearance

Mechanical tailgate locks with pressure sensors that help to maintain bale shape

Automatic chain lubrication reduces maintenance time

Hydroflexcontrol - time-saving, two stage anti-blockage system

Xtracut cutter - convenient selection of cut length

Proven net, or twine, binding with Easy Load refilling

Powersplit gearbox ensures optimum power distribution

Camless pick-up - high speed feeding with low maintenance

### MF RB 3130 F Classic

- ▶ Reliable and high performing baler producing high density hay and straw bales
- ▶ Wide 2.25 m pick-up and packer rotor ensures optimum capacity in the most demanding crops
- ▶ 1.5 m<sup>3</sup> bale chamber with 18 Powergrip rollers and mechanical tailgate lock ensures consistent bale shape and density.

### MF RB 3130 F Xtra

- ▶ Reinforced for maximum output and durability demanded by professional operations and contractors
- ▶ The Xtracut cutter features options of 13, 17 or 25 knives and guarantees consistent chopping
- ▶ Selectable knife banks on Xtracut 17 and 25 provide flexibility and convenient chop length adjustment
- ▶ Increased diameter roller shafts and heavy-duty greasable bearings in the bale chamber to withstand peak loads
- ▶ Optional Bale Control Pro allows baler function activation from the cab for increased comfort and ease of use for the operator.

### MF RB 3130 F Protec

- ▶ Fixed chamber baler with additional wrapper unit for single-pass operation and highest fodder quality
- ▶ Unique design includes folding wrapping table for reduced transport length and safer movement between work locations
- ▶ Low overall height improves crop flow and operation in hilly conditions
- ▶ Twin film dispensers for faster wrapping and increased output.

### MF RB 3130 F Xtra: Exclusive features

- ▶ Load Sensing or TIM (Tractor Implement Management) control of the baler
- ▶ Automatic pick-up raises when reversing and during the bale weighing process
- ▶ Tailgate opens & closes automatically for bale release as soon as the tying process finishes
- ▶ Slot cleaning action moves the knives in and out during each net/twine tying cycle to keep the knife slots clean
- ▶ Sensors constantly measure and document the forage moisture content during baling
- ▶ The bale weighing function automatically records the weight of every bale
- ▶ Bale Finisher disengages the knives to leave the outer layers uncut, ensuring perfectly shaped bales

## HIGH SPEED PICK-UP

HIGHER PERFORMANCE SPEEDS ARE POSSIBLE WITH THE MASSEY FERGUSON CAMLESS PICK-UP DESIGN

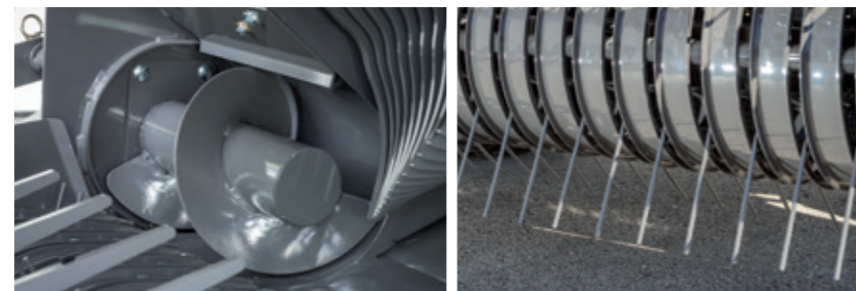
### CROP PRESS ROLLER

A reinforced crop press roller equipped with rake is available, to enhance crop flow into the chamber.

With fewer moving parts, the camless pick-up is quieter, simpler and more reliable. Low maintenance and fewer adjustments save time and increase productivity.

The pick-up system has five tine bars spaced only just 64 mm apart, providing higher capacity and ensuring a consistent feed at high speed.

On the Massey Ferguson round balers, the pick-up is positioned very close to the rotor, therefore improving crop flow and reducing the risk of blockage.



### FEEDING AUGERS

Two large capacity 25 cm diameter feeding augers direct crop to the centre to create the best bale shape.

### HEAVY DUTY TINES

Five rows of heavy duty tines with large coil diameter for enhanced durability in silage and stony conditions.

## XTRACUT FOR OPTIMUM CUTTING PERFORMANCE

Chopping forage while baling offers several benefits:

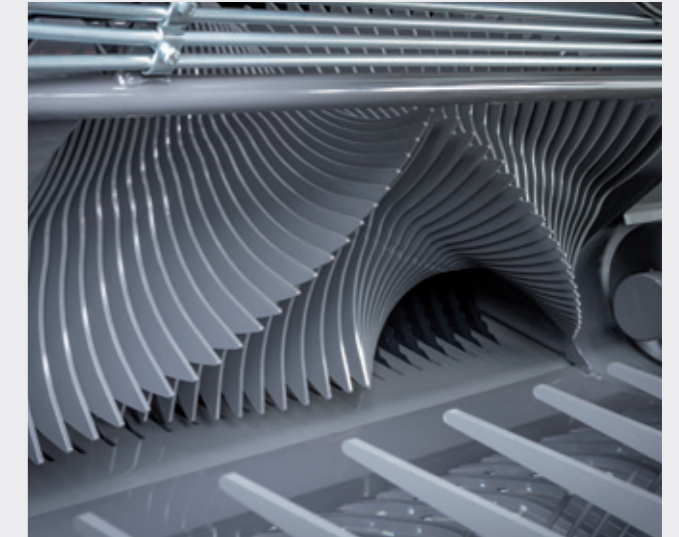
- ▶ Improves forage quality resulting in better fermentation and palatability
- ▶ Saves time allowing faster distribution of silage
- ▶ Reduces waste during feeding
- ▶ Helps to achieve greater density, reducing haulage and wrapping costs

Designed for optimum performance, Massey Ferguson Xtracut can be equipped with 13, 17 or 25 knives. Cutter units are fitted with the longest knives on the market, making sure that no material will pass uncut.

Xtracut 17 and 25 feature two sets of hydraulically operated knife banks with separate control from the cab depending on customer requirements.

The operator can select:

- ▶ A single knife bank
- ▶ Both knife banks
- ▶ Disengagement of all knives



▲ The Xtracut 25 rotor, with its spiral 4-blade design, delivers extreme cutting performance.

▲ The MF RB 3130 F can be equipped with an Xtracut rotor with either 13, 17 or 25 knives.

# HYDROFLEXCONTROL - TWO STAGE PROTECTION SYSTEM

RACING AGAINST WEATHER AND TIME TO GATHER THE BEST QUALITY CROP IS ALWAYS A CHALLENGE FOR MAN AND MACHINE.

To maximise efficiency in the field and minimise downtime from crop blockages, the MF F Round balers are fitted with the unique Hydroflexcontrol protection system which works in two stages:

The first stage of Hydroflexcontrol allows movement of the front part of the feed chamber floor, automatically preventing 80% of potential blockages and keeping you going without unnecessary downtime.

Should a major blockage occur, stage two of Hydroflexcontrol is activated by the operator, and is cleared by lowering the rear of the feed table floor hydraulically from the cab, allowing for material to pass through easily, therefore minimising downtime.

### STAGE 1

Automatic mechanical floor cushioning to clear minor blockages.



### STAGE 2

Hydraulically controlled floor lowering to clear major blockages.



# BALE CHAMBER

The bale chamber is made up of 18 Powergrip rollers which ensure an effective grasp and quicker bale rotation for higher density and improved bale shape.

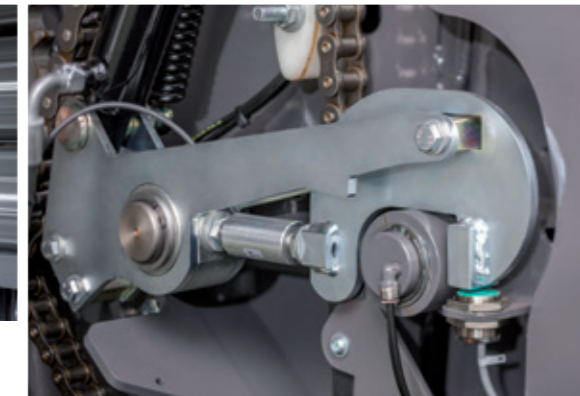
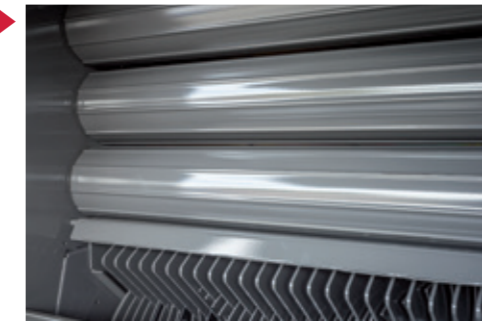
Rollers with 10 ribs are made from a seamless solid tube. They are the industry benchmark for durability and performance, known for their proven design and capability to withstand the harshest environments.

The new, improved chamber has a 'spiral' form with a slightly reduced diameter at the front. This results in improved crop feeding and bale rotation, increases bale density and ensures effective net grip when wrapping.

Options available include the Bale Scale weighing system and the Moisture Meter for convenient record keeping, and the Auto Tailgate function for increased productivity.



The roller support bearings in the bale chamber feature new scrapers, efficiently removing debris and moisture from the roller bearings and keeping the outside panels clean.



The simple, fast and efficient mechanical tailgate locking device is now enhanced with pressure sensors on both sides and features left-right indication allowing the operator to monitor formation of the outer bale layers to ensure a consistent shape.

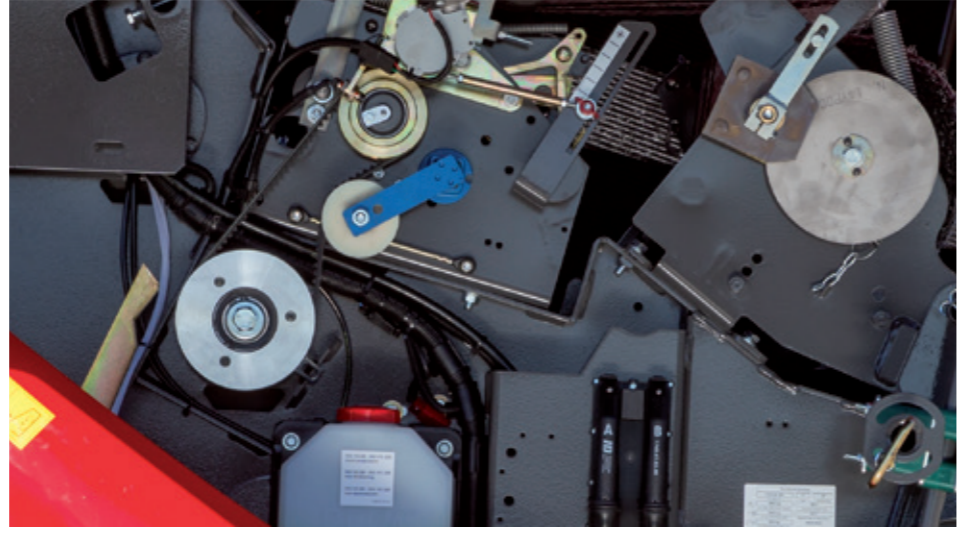


# BINDING OPTIONS

PERFECT BINDING OF PERFECTLY FORMED BALES IS PROVIDED BY THE VARIONET SYSTEM, SAVING CYCLE TIME, TYING MATERIALS AND PRESERVING BALES FOR SAFE HANDLING AND STORAGE AFTERWARDS.

The tried and tested Varionet net binding system features a special net tensioning and spreading device that is capable of dealing with various widths and types of net, allowing fast coverage of the bales from edge to edge, or over the edges.

- ▲ Easy Load System allows a very efficient use of film.
- There are two film/net loading options available. This mean users can select the best system for their requirements.
- Eco Load provides convenient, quick loading of the net/film roll magazine.
- Alternatively, Comfort Load is even more user-friendly with an effortless drawer net/film loading system-See page 14.



# MF RB 3130 F PROTEC – BALER WRAPPER COMBINATION

WHETHER YOUR WORKING DAY IS WET OR DRY, EVERY SECOND COUNTS WHEN BALING SILAGE IN ORDER TO ACHIEVE THE BEST QUALITY AND RETAIN MAXIMUM NUTRITIONAL VALUE. COMBINING THE MULTIPLE OPERATIONS OF BALING AND WRAPPING SAVES TIME AND FUEL, BOOSTS PRODUCTIVITY AND IMPROVES QUALITY.

Our MF RB 3130 F Protec baler combines all the benefits of our fixed chamber baler with the addition of an integrated, specially designed wrapper device for fast baling and wrapping on the go.

Bales are instantly protected from changeable weather and forage quality is preserved. Combining baling and wrapping also cuts tractor and labour requirements in a busy silage season, freeing up an operator to stack or transport bales or begin harvesting in another field.



# BALE HANDLING AND TRANSFER



▲ Our combination unit has a low crop elevation angle, reducing the overall baler height. This feature improves stability, allowing safer and faster hillside operation. It also reduces back pressure in the feeding area, streamlining crop flow and minimising the risk of blockages.



In addition to the transfer arm, the design features two active guiding plates on both sides of the baler clearly directing the bale to the centre of the wrapping table allowing for a faster and more secure transfer cycle. For added safety in hillside conditions the slope-transfer feature allows the transfer arm to move more slowly while the wrapper ring is lifted higher to receive the bale. This ensures that the bale will be securely delivered to the wrapper even in sloping terrain.

- Actively moving plate
- Transfer arm



◀ In transport mode the wrapper ring folds upwards and forwards, reducing the overall machine length to just 5.9 m for safer transport and improved manoeuvrability.

Once the bale is transferred to the centre of the wrapper table, a hydraulically driven wrapper ring begins its rotation even before the tailgate is fully closed, completing the cycle well before the next bale is formed. Designed to withstand the heaviest bale loads, the robust frame with its quiet running gear operates smoothly at up to 35 rpm for trouble-free wrapping, bale after bale.



▼ To ensure gentle bale unloading, the wrapping table is lowered, thus minimising the bale's rolling speed, to prevent film damage and maintain the ideal bale shape. An optional bale tipper puts bales on their ends, preventing them from rolling away and making it easier and quicker to load the bales on a trailer. The operator can also choose between automatic and manual unloading modes.

# BALE WRAPPING AND DISCHARGE



# HIGH PERFORMANCE WRAPPING



## NET & FILM BINDING UNIT

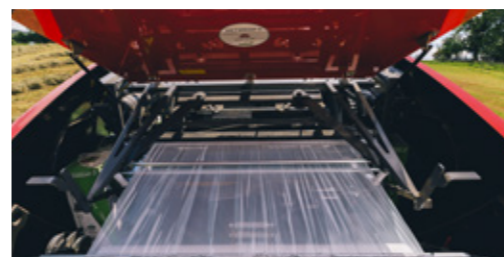
### A NEW OPTION OF FILM AND NET-BINDING IS NOW AVAILABLE

Operators can choose to use either binding material and, thanks to the Rapid Reload System, quickly switch between the two, depending on the crop being harvested.

Film binding, instead of using twine or net, makes denser bales that contain less oxygen, which improves forage quality and reduces in-store losses. It also lessens the risk of punctures and helps to retain the great bale shape, which improves stack stability.

The baler holds three rolls of film, which are easily installed using the same Rapid Reload system as the net. Both binding and wrapping film are made from the same material so they can be recycled together.

The ergonomic comfort load system also helps protect the sensitive film rolls from damage.



Twelve film roll holders are conveniently located at a comfortable height on both sides of the baler and with two additional rolls installed on the wrapper, maximum uptime is ensured in the field.



The wrapping ring is driven by a set of two rubber rollers, ensuring plenty of gripping surface, eliminating slippage and reducing noise levels.



The hydraulically driven wrapper table consists of two rollers and three endless belts mounted on a welded frame for extra durability.



The wrapper unit can be operated via the external control panel. It allows the individual operation of the tailgate, the transfer arm, the table, the ring and the clamps. It also simplifies the changing of filmrolls.



The wrapper unit is folded up automatically for safe and convenient field to field transport.

# MONITORING AND CONTROLS



## THE NEW BALE CONTROL PRO MONITOR

on the MF RB 3130 F Protec and optional for the MF RB 3130 F Xtra, has integrated ISOBUS technology and features a large bright screen which offers great visibility of multiple parameters, giving the operator more information and control of the baler. If a tractor is fitted with ISOBUS control it is also possible to use the tractor's monitor to view all the key information about the tractor and the baler in one place. The baler/wrapper combination is also fitted with a rear view camera for better control of the wrapper, with images conveniently and clearly displayed on the screen.

Specific field or customer information, such as the number of bales or hours worked, are easily set and recorded through the Wizard menu and later exported through the USB connection for convenient record keeping and further performance analysis.

Utilising a single in-cab terminal capable of controlling and monitoring a range of implements reduces cab clutter, and can allow simpler and more convenient operation for drivers carrying out a variety of tasks with different machines.

The Bale Control Terminal, supplied as standard, gives the operator a great overview of the baling process and includes a range of intuitive functions. The high-definition touchscreen features a modern working display with improved operating efficiency.

The following functions can be controlled through the Bale Control Terminal:

- ▶ Knife selection
- ▶ Bale pressure adjustment
- ▶ Net layer adjustment
- ▶ Net start/stop/pause
- ▶ Visual bale chamber filling
- ▶ Bale counter
- ▶ Total bale counter
- ▶ Customer settings
- ▶ Sensor and actuator settings



# EXPERIENCE, INNOVATION AND DURABILITY

MASSEY FERGUSON IS A WORLD LEADING BRAND WITH EXTENSIVE EXPERIENCE IN HAY AND FORAGE PRODUCTION ON ALL CONTINENTS. THE MASSEY FERGUSON ROUND BALER RANGE IS BUILT TO LAST AND DESIGNED TO EXCEED YOUR EXPECTATIONS THE NUMBER OF UNIQUE AND PATENTED FEATURES MAKE OUR BALERS STAND OUT FROM THE CROWD.

The Powersplit gearbox equally divides and transfers power to the rotor on one side and the roller drives on the other, reducing the overall power requirement through the simple drivelines. An updated, 1,000 rpm gearbox option is now available for the MF RB F Xtra and MF RB F Protec machines. Capable of transmitting 20% more power, this improves cutting quality in the heaviest crops and reduces fuel consumption.



Automatic chain lubrication with individual adjustment for each chain guarantees sufficient oil supply, reduces maintenance time and extends chain service life. For added durability chains of the highest quality are used throughout the baler.



The bale chamber can experience extreme loads with forces from all directions. The clever bearing housing design allows some movement of the rollers to eliminate major axial loads during operation.



Regular sufficient roller bearing lubrication is extremely important, particularly in adverse conditions, for example when baling silage. Centralised grease banks for roller bearing lubrication are located in convenient positions for easy access and reduce the time needed for servicing.

# OPTIONS

**MF RB 3130 F Classic and MF RB 3130 F Xtra**



**MF RB 3130 F Protec**



▲ A complete spare set of knives is now available for all balers (the number of knives available depends on the cutting unit).

▲ Automised central greasing ensures longevity of essential roller bearings. On top of that it saves time and allows the machine to run smoothly and efficiently.

▲ The additional net roll carrier allows you to have three complete rolls with you - enough to last a full day. This is roughly enough capacity for over 900 bales!

▲ **NEW LED LIGHT TURNS NIGHT INTO DAY**

For more comfort, safety and productivity, a new kit of 3 LED lights is now available on Protec models, with one spot for the wrapping unit and 2 spots underneath the side panels: to work day and night at your convenience, according to your needs!

▲ **MORE COMFORT WITH THE ON-BOARD WASH TANK**

A new wash tank with an integrated soap dispenser in the lid is available, for convenient washing of hands after carrying out maintenance or replacing the net or film rolls.

▲ **HYDRAULIC JACK OPTION TO EASE HITTING**

For easier attachment of the baler to the tractor, a new hydraulic jack is now available as an option for your MF RB 3130 F Protec. A remote valve provides safe and convenient operation.

▲ **FLOATING BALE TIPPER TO WORK FASTER WITH LESS EFFORT**

The Protec bale tipper (see page 13) is supported by a spring stand providing suspension relief support. It is attached to the wrapping table by two strong hooks, similar to the ones on the tractor's lower linkage arms and it is folded into transport position with one click on your handset.



## YOUR MACHINE EXPERTS

You can rely on your Massey Ferguson Dealer for servicing, maintenance and repairs and trust their advice on the latest smart farming solutions, innovative accessories and replacement parts.

Your Massey Ferguson Dealer will supply you with all the farming essentials you need from lubricants to kits.

With skilled technicians and expert staff, our dealers pride themselves on always delivering excellent customer service.



## GENUINE PARTS, GENUINE VALUE

Premium quality parts with best-in-class availability, AGCO Genuine Parts offer excellent value. Engineered to be the perfect fit for your Massey Ferguson. Designed to safeguard your machine value and protect your uptime.

AGCO Parts are covered by a 12-month warranty, including labour when fitted by a Massey Ferguson Dealer.



## AGCO FINANCE

YOUR PARTNER TO GROW YOUR BUSINESS.

As the financial services provider for Massey Ferguson, we help you obtain your MF equipment through our tailored finance and insurance solutions, enabling usage or ownership of the world's best agriculture equipment.

**Full Reliability:** 30+ years of agricultural industry experience around the globe.

**Full convenience:** Conveniently available through your local MF Dealer.

**Full Partnership:** We are with you along the way, through your entire business cycle.



## MASSEY FERGUSON COLLECTION

NOW YOU CAN LOOK AS STYLISH AS YOUR MASSEY FERGUSON.

We have an exclusive range of high quality products to suit you, your farming activity, your family and your lifestyle.

To find out what we have available please login into our online Shop:

[Shop.MasseyFerguson.Com](http://Shop.MasseyFerguson.Com)

## SPECIFICATIONS

Model	MF RB 3130 F Classic	MF RB 3130 F Xtra	MF RB 3130 F Protec
<b>Bale Chamber</b>			
Diameter, m	1.25	1.25	1.25
Width, m	1.23	1.23	1.23
Volume, m <sup>3</sup>	1.50	1.50	1.50
Mechanical chamber locking	●	●	●
Varionet net wrapping	●	●	●
Bale ramp (single) / Bale tipper (combi)	○	●	○
<b>Pick-up</b>			
Width, m	2.25	2.25 / 2.40	2.25 / 2.40
Tine to tine width, m	1.86	1.86 / 2.11	1.86 / 2.11
Pick-up tine spacing, mm	64	64	64
Press roller with rake	●	●	●
<b>Feeding</b>			
Feeder Rotor	●	●	-
Xtracut 13	-	○	●
Xtracut 17	-	○	○
Xtracut 25	-	○	○
Hydroflexcontrol	○	●	●
<b>Monitoring</b>			
Bale Control Terminal	●	●	-
Bale Control Pro	-	○	●
<b>Tractor requirements</b>			
Recommended horsepower, kW/HP	52 / 70	52 / 70	75 / 120
Gearbox 540 rpm	●	●	●
Gearbox 1,000 rpm	-	○	○
Hydraulic spool valves	2 SA or 1 SA + 1 DA	1 EV + 1 DV	1 DV + LS
Tyre options	● 15.0/55-17 ○ 500/55-20 560/45-22.5 19.0/45-17	● 15.0/55-17 ○ 500/55-20 500/60-22.5 500/60x22.5 V-shape 560/45-22.5. 19.0/45-17	● 620/55 26.5 ○ 600/55R x 26.5 V-shape
<b>Dimensions and weights</b>			
Transport length, m	4.30	4.30	5.90
Transport height, m	2.60	2.60	3.00
Transport width, m	2.70	2.70	2.85
Approximate weight, kg	3,000	3,200	5,990
<b>Options</b>			
Autolube roller bearing lubrication	-	○	●
Axle with brakes	○	○	●
Exclusive / TIM package	-	○	○
Flat Face Hydraulic couplers	-	○	○
Chamber wear kit	○	○	○
Moisture Meter	-	○	○
Bale Scale	-	○	○
Auto Tailgate	-	○	●
Hydraulic foldable pick-up guide wheels	-	○	○
film-binding	-	-	○

- Standard specification
- Optional
- Not available

Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Massey Ferguson Dealer or Distributor prior to any purchase.

For the above support packages, country terms and conditions apply. Please note all packages may not be available in all markets.

Please check with your local MF Dealer/Distributor.



**MASSEY FERGUSON**

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BORN TO **FARM**