

COMPACMASTER BALE AND WRAP IN ONE GO



EVOLVING AGRICULTURE

COMPACMASTER



DEUTZ-FAHR ROUND BALERS

DEUTZ-FAHR provides a complete program of innovative agricultural machines.

A high quality, reliability and well handling are very important features in the development of the DEUTZ-FAHR machines. Field performance, bale quality and bale density are fundamental to the profitability of every baling operation.

Every minute counts when weather conditions are uncertain. The unique innovations on the DEUTZ-FAHR balers make a real difference in field performance.



DEUTZ-FAHR's Research & Development department is constantly improving the COMPACMASTER to stay in front with innovations like: Integral Rotor Technology, IntelliWrap and DROP-FLOOR.

DEUTZ-FAHR offers the most efficient and versatile range of balers available on the market. DEUTZ-FAHR balers are not only designed to produce top quality bales but are also built for unmatched reliability.

BALE AND WRAP COMBINATION



- The large diameter rotor has heavy duty auger flighting which is integrated directly onto the outer sections of the rotor. This Integral Rotor system provides the baler with even feeding regardless of crop conditions.
- Perfectly filled bales are held together firmly by net. The well-engineered net wrap system is located on the front of the baler for easy monitoring of the binding process.
- The well thought-out and durable design of the DEUTZ-FAHR COMPACMASTER allows for fewer moving parts, unmatched crop flow, outstanding performance and reliability.
- The compact design and a total weight as from 3495 kg prevents soil compaction and has no need for a powerful tractor, reducing fuel consumption.



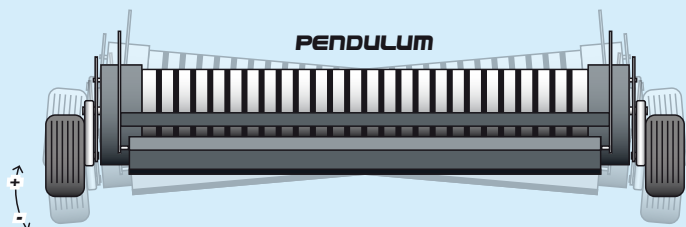
- **One-man operation** – Thanks to its unique design, with integrated wrapper, two operations are efficient combined in one machine
- **Manoeuvrability** – Excellent manoeuvrability makes the DEUTZ-FAHR COMPACMASTER suitable for smaller fields and/or slopes
- **Integral Rotor** – The aggressive design provides maximum efficiency, with high performance throughput in various crop conditions
- **OPTICUT** – The Integral feed rotor is standard combined with 14 and optional with 23 knives for maximum cutting efficiency
- **DROP-FLOOR** – If a blockage might occur the cutting floor and knives can be lowered hydraulically from the control terminal
- **ISOBUS** – The DEUTZ-FAHR COMPACMASTER is ISOBUS compatible. ISOBUS compatible tractors will therefore not require a separate terminal for the baler. Alternatively, DEUTZ-FAHR offers a VT 50 and a CCI 100 color terminal with touch screen
- **Driveline** – A durable driveline with 1" chains and standard automatic lubrication. The chains offer low maintenance, reliability and long lifetime
- **Bale Chamber** – With 18 rollers and standard low-friction plates in the bale-chamber the horse power requirement is reduced and bale rotation is secured in all conditions
- **IntelliWrap™** – By introducing IntelliWrap™ on the COMPACMASTER, greater management and control is achieved. IntelliWrap™ uses sophisticated electronics and hydraulics to monitor the wrapping process and continuously controls the film overlap, allowing total flexibility. Two high-speed pre-stretchers ensure fast and efficient bale wrapping, increasing silage quality and minimising the risk of nutrient loss
- **Low Weight** – This highly compact, lightweight bale and wrap combination weighs only 3495 kg

The DEUTZ-FAHR COMPACMASTER is a unique compact, light weighted bale-and-wrap combination. After applying the netwrap onto the bale, the balechamber opens and the fully integrated high-speed wrapper wraps the bale within 18 seconds*. Without any additional transfer a minimum risk of bale expansion and crop loss is achieved, producing first-class silage.



*Applying 6 layers

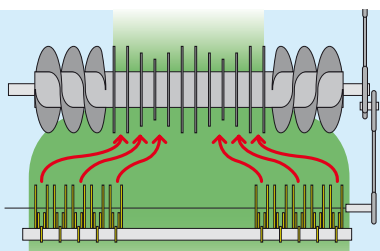
COMPACMASTER INTAKE



Pick-Up

The new designed Pick-Up with 5 tine bars gathers the densest of swaths even at high forward speeds. The PENDULUM system and 2.30 m wide intake with height adjustable guide wheels accurately carry the Pick-Up over every ground contour.

The Pick-Up roller helps to even out the flow of material into the integral rotor, regardless of the crop conditions.



Integral Rotor Technology

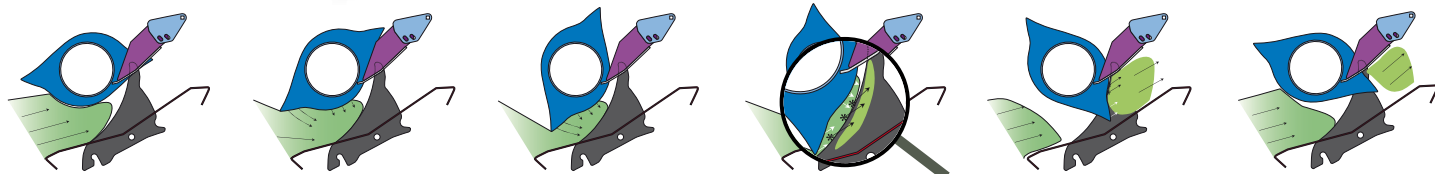
A maintenance-free and short distance intake system which ensures even feeding regardless of variations of the crop. With this system, even the heaviest crops are forced through the intake, resulting in higher forward speeds for outstanding productivity.

OptiCut 14

The Integral Rotor with the 14-knife OPTICUT system is designed to even out the swath and force-feed the crop into the baler for maximum throughput. The 14-knife OPTICUT cutting system provides a theoretical cutting length of 70 mm. Each single knife is spring protected against damage from foreign objects.

OptiCut 23

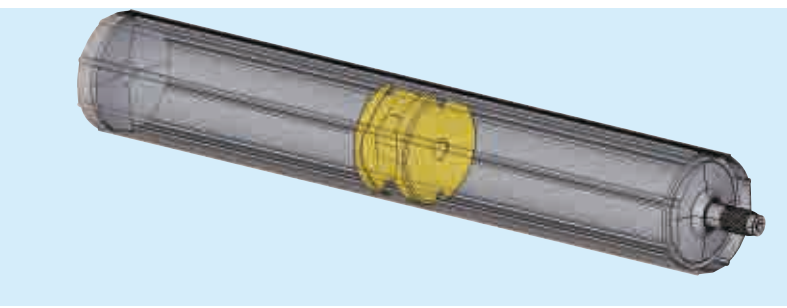
The Integral Rotor with the 23-knife OPTICUT system from DEUTZ-FAHR is the benefits of intensive cutting and the mechanical protection. The 23-knife OPTICUT system provides a theoretical cutting length of 45 mm. Each single knife is spring protected against damage from foreign objects. With group selection the operator can choose to have 0, 7, 11, 12, or 23 knives in operation.



DROP-FLOOR

The intake unit is protected by the main PTO clutch. If a blockage occurs the PTO clutch is automatically activated. In addition the complete cutting floor including the knives can be lowered with a push on a button on the terminal. After the blockage is cleared the cutting floor including the knives can be brought back into the working position via the terminal. In extreme circumstances DEUTZ-FAHR provides double security by rotor disengagement clutch which separates the rotor drive so the bale can be finished.





Bale chamber

The DEUTZ-FAHR COMPACMASTER is a fixed chamber round baler with a chamber diameter of 125 cm. For compressing the crop into consistent size and dense bales, the baling process has to be as effective as possible, while being gentle on the crop. The 18 steel rollers equipped with a ribbed profile ensure maximum traction, compression and create an ideal wrapping table which is friendly for the film. The rollers are produced from high-grade steel constructed from two fully seam-welded sections. Radial support rings are located inside each roller, creating additional strength. The end plate and roller stub shafts are forced in one piece.

Netbinding without compromise

The binding cycle is a critical step in the baling process. Less time spent net wrapping means higher efficiency and productivity. To optimize this process, adjustments are conveniently made via the terminal. On the DEUTZ-FAHR COMPACMASTER, the binding system is located at the front of the machine, providing a perfect view of the binding process from the tractor seat.

Overview

While working with the DEUTZ-FAHR COMPACMASTER you have an excellent view on the process of baling, applying net, wrapping and unloading the bale without the need of an additional camera. Also on the terminal with big color screen you are able to monitor the complete baling and wrapping process.



HIGH-SPEED WRAPPING

Optimum Silage quality

When wrapping with the DEUTZ-FAHR COMPACMASTER the bale remains in the bale chamber. Using a conventional bale wrap combination the bale tends to expand while being transferred from bale chamber to wrapping table. Immediate wrapping and closing of the bale limits the use of netwrap, limits unwanted expansion and optimizes fermentation of the crop. As the bale is laying onto the lower part of the bale chamber wrapping on hilly slopes is no issue. The bale is held firmly in position supported by side rollers.



18 second wrap!*

After raising the upper part of the bale chamber, the bale is ready for immediate wrapping. No bale transfer is needed. The bottom part of the bale chamber is now functioning as wrapping table. Synchronizing with the pre-stretchers Intelliwrap™ assures a correct overlap. The two integrated pre-stretchers, mounted on a ring, wrap the bale with a magnificent speed up to 50 min⁻¹. Proportional valves ensure smooth speeding up and slowing down of the wrapping cycle and so gentle handling of the film. After wrapping, the wrapper ring goes up and the lower part of the bale chamber is lowered allowing the bale to roll gently onto the ground.

* Applying 6 layers



Film cutters

Two vertical film cutters hydraulically rise from the lower part of the bale chamber to hold and cut the film. Due to its design, the film is caught on its full width.

The film is held with a clamp, stretched into a solid string, and then cut before the bale is unloaded. The hydraulic clamp continues to firmly hold the film for the next bale.



Pre-stretchers

The standard pre-stretchers hold 750 mm film rolls and are made of aluminum to avoid build-up of tack from the film. The bottom end of the aluminium rollers are cone-shaped, to maintain the optimum width of the film and reduce the risk of film tear. The special ribbed profile of the aluminum rollers keeps air and water away from the film. The standard pre-stretch of 70% is reached by a low-maintenance and low noise gear transmission.

If one of the film rolls is empty or torn the operator can switch to half speed with one push on a button in order to finish the bale with one roll of film. Optionally a film end/break sensor is available, which warns the operator automatically for an empty film roll or a breakage.

CONTROL

Excellent wrapping; by introducing IntelliWrap™ on the COMPACMASTER, greater management and control is achieved. IntelliWrap™ uses sophisticated electronics and hydraulics to monitor the wrapping process and continuously controls the film overlap, allowing total flexibility. Depending on local circumstances, crop conditions and storage periods the operator simply adjusts the amount of requested film layers (4,5,6,7,8,9...) into the terminal by a push on a button.

CCI 100

The ISOBUS compatible CCI 100 terminal has a large 21,6 cm (8.5") color screen with outstanding clarity. Baling adjustments can be easily made via the touch screen or by use of the intuitive, large, soft-touch keys. The CCI 100 terminal can also be used with many other ISOBUS compatible machines on the market.



1



Selection of 5 film layers

2



The bale is covered with 3 layers and 67% overlap

3



Increasing of the bale rotation speed

4



Final 2 layers with 50% overlap

VT 50

The DEUTZ-FAHR ISOBUS VT 50 terminal has a 14,5 cm (5.7") color screen with outstanding clarity. Adjustments can easily be done by the touch screen and the large soft-touch keys on the sides. The VT 50 terminal can be used specifically with the DEUTZ-FAHR ISOBUS Balers and Wrappers.





Bale turner, unloading the bale on its flat end



Several hitch options including a ball-hitch coupling



Hydraulic or pneumatic brakes



Pivoting Pick-Up wheels

Automatic roller bearing greasing



Different wheel sizes



Rubber drop mat



Hydraulic operation of rotor clutch





Compacmaster

SPECIFICATIONS

SPECIFICATIONS	OPTICUT 14	OPTICUT 23
Dimensions		
Width (m/feet)	2.80 / 9' 2"	
Height // open balechamber (m/feet)	2.30 / 7' 7" // 3.75 / 12' 4"	
Length (m/feet)	4.50 / 14' 9"	
Weight (kg/lbs)	3495 / 7705	3600 / 3936
Pick-Up		
Pick-Up width (m/feet)	2.30 / 7' 7"	
Number of tine rows	5	
Crop roller	Standard	
Pneumatic gauge wheels / pivoting	Standard / Optional	
Intake		
Integral Rotor	OPTICUT 14	OPTICUT 23
Knives	14	23 (0-7-11-12-23)
Cutting length (mm/inches)	70 / 2.91"	45 / 1.77"
Knife protection	Single / Spring	
Bale chamber		
Bale formation	18 rollers	
Roller diameter (mm/inches)	190 / 7.48"	
Diameter (cm/inches)	1.25 / 0.49"	
Width (m/feet)	1.22 / 4'	
Low friction plates	Standard	
Central roller bearing lubrication	Standard	
Automatic central greasing system	Optional	
Automatic chain oiler	Standard	
Net binding / storage	Standard / 1 roll	
Operation		
Control system	ISOBUS	
Wrapping unit		
Film width (mm/inches) / storage	750 / 29.53" up to 6 rolls	
Autom. stop by end of film / tear	Optional	
1/2 table speed by end of film / tear	Standard	
Wheels		
Single axle 500/50-17	Standard	
Single axle 500/45-22.5	Optional	
Single axle 600/40-22.5	Optional	
Brake system (optional)	Air / Hydraulic	
Others		
Long service interval PTO	540 with standard free wheel clutch	
Oil consumption	35 l / min at 180 bar	
Necessary hydraulic tractor equipment	1 single acting with 3/4" free return	
Min power requirement (kW/hp) *	80 / 110	
*Horsepower requirement may vary with different crops, conditions and options used. Consult operators manual for proper tractor sizing.		

SURE AND SAFE WITH ORIGINAL DEUTZ-FAHR SERVICE AND PARTS



Original service is wise

Only your DEUTZ-FAHR specialist dealer knows your machine inside and out. Only your dealer has regularly trained mechanics and experts on call. Only dealers have the special tools and diagnostic equipment required for competent diagnosis and inspection. All this gives you peace of mind – without doubt.

Original parts make good sense

As you placed your trust in the original machine, we recommend you use original parts when required. Only these comply with the high quality and safety standards of DEUTZ-FAHR and ensure correct function and operation without problems – guaranteed.

DEUTZ-FAHR lubricants

We recommend genuine DEUTZ-FAHR lubricants. The outstanding quality of this product range, which is made exclusively for DEUTZ-FAHR, ensures that your machine always receives exactly what it needs.



Your DEUTZ-FAHR dealer will be pleased to answer your questions:

This printed material is designed for international use. The illustrations it contains show both special equipment and incomplete standard equipment. The availability of some illustrated models, standard and special equipment can vary from country to country. Only the dealer's price list stipulates whether such illustrated equipment is included as a standard feature or whether it is a special accessory. In addition the illustrated mounted implements and special accessories may not always comply with the respective statutory regulations. It is the responsibility of the customer – after consultation with the dealer – to verify this, taking the operating instructions into account. All information and illustrations in this brochure are subject to correction; errors excepted. Furthermore all information contained in this brochure is not binding and is subject to modifications of a technical and commercial nature or those resulting from statutory regulations. No claims whatsoever can be derived from these. SAME DEUTZ-FAHR DEUTSCHLAND GmbH reserves the right to make any changes to the design and technical construction and also the scope of standard equipment at any time and without prior notice.

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