

ROUND BALER - RB544 / SILAGE PACK / SILAGE PACK HD

CASE II
AGRICULTURE



SPECIALISED FOR HIGH DENSITY BALING

Reliability and consistency should be basic requirements of any round baler, but few others reliably produce consistent bales time after time like the Case IH RB544. Reliability comes courtesy of a simple yet effective design with features such as extensive use of sealed bearings, ensuring that servicing is quick and easy, and a few daily checks are all that's necessary before a day's baling can commence. Consistency comes courtesy of the Compression Roll System (CRS), which features 18 precision-engineered 200mm rollers with a special surface profile for maximum crop contact.





SILAGE AND MORE.

Whether your business requires baling of silage for high-energy basic rations, straw for bedding or hay for roughage: The RB544 baler series will deliver – thorough, gentle, efficient, and to your full satisfaction. All key components have been revised, combining new high performance components with proven elements such as the extremely reliable double knotter system. Three models are available to give you the best possible performance.

THE STANDARD RB544 – FOR PERFECT BALES IN HAY SILAGE AND STRAW.

This basic models with net-wrap converts your lose swaths of straw and hay into neat and dense 122 x 125cm bales.

THE RB544 SILAGE PACK WITH WRAPPER – FOR DENSE AND WELL PACKED SILAGE.

With the wrapper attached to the baler and a choice of net- or film pre-wrap, you can bale and preserve high quality silage at the same time. The 122 x 125cm bales are densely packed and tightly sealed for minimised losses for long storage periods.

THE RB544 SILAGE PACK HD WITH WRAPPER – FOR DEMANDING CONTRACTOR WORK.

High speed, high performance, high density, high quality: The 122 x 135cm bales of the RB544 HD equally satisfy contractors and their clients.

MODEL	RB544	RB544 SILAGE PACK	RB544 SILAGE PACK HD
Bale dimensions width x diameter (cm)	122 x 125	122 x 125	122 x 135

THE SILAGE PROFESSIONALS. INCREASED BALE DENSITY – HIGHER FORAGE VALUE.

Silage baling is all about getting good quality grass from the swath to the stack as quickly and cleanly as possible, whether dealing with high dry matter material or dense green crops. Case IH RB544 round balers are designed to package your grass rapidly and reliably, regardless of the challenges that climate, weather or ground conditions may create, to ensure maximum protection of leaf quality and sugar content. Their ability to compact the plant material to make bales of the highest density means they actually produce fewer bales per hectare, reducing wrapping costs and raising silage quality.



PICK-UP.

Whether you're dealing with first cut or late-season grass, shortstemmed material, long stalks or bulky, leafy grass, the fivebar pick-up ensures a high feedrate, even in light crops, while keeping losses to a minimum.



ROTOR CUTTER.

The large diameter feeder draws the material into the chopper knives, which process it to an average length of 51mm. The hardened knives remain sharp – and therefore fuel-efficient – for as long as possible, reach deep into the bale chamber, for thorough, accurate, efficient cutting. They are spring-protected and re-set automatically in case of a hard object being picked up. Knives can be extracted and replaced without tools.



BALE CHAMBER.

Eighteen compression rollers firmly but gently knead the silage to exclude air, and form high density round bales 1.2m wide and 1.25m in diameter (1.3m on HD versions). The rollers run in unique constantly lubricated bushes that are able to withstand the rigours of performing in tough, high-moisture conditions. Active chamber control on Silage Pack HD balers provides extra high-density performance.





NET OR PLASTIC FILM PRE-WRAPPING.

RB544 round balers feature net-wrap (basic) and plastic/net wrapping options (Silage Pack, Silage Pack HD). Applying film in the bale chamber replaces netwrap, protects the grass quickly, reduces further wraps on the wrapping table, and ensures bales are more easily unwrapped especially in freezing conditions. Film rolls can be easily exchanged for net ones if required.



WRAPPING TABLE.

Airtight wrapping is completed by two satellite arms on the wrapping table. The overlap between the film layers can be adapted to your needs of silage protection. When wrapping is complete, the high-speed wrapping table can place bales on the ground either conventionally or on their ends, when discharging them. This prevents bales from rolling downhill on sloping fields.



CHAMBER CONTROL ON RB544 SILAGE PACK HD.

The RB544's unique Active Chamber Control (ACC) constantly monitors and adjusts density to ensure material is packed tightly and consistently into each bale. The result is maximum density silage bales with minimal air inclusion, helping to minimise any chance of spoilage and ensure bales keep their shape over long storage periods.



PERFORMANCE MONITOR - OPERATOR CONTROL.

Operation is made easier by a baler monitor display that features large numbers and letters to ensure data is easy to read during both day and night. The screen is divided into information and settings areas, with all settings easily accessed, ensuring they can be quickly altered to suit changing conditions, or re-configured to the factory settings if required.



TYRE OPTIONS.

All models are equipped with large, low-pressure flotation tyres to ensure minimal field damage, while tandem axles on wrapper models further reduce ground pressure. The bottom line is that grass regrowth is unhindered, meaning high quality crops can be produced cut after cut.

WELL-ROUNDED RESULTS. SMOOTH BALING IN ALL CONDITIONS.

At Case IH we understand that high-yielding first cuts need a baler which is ready to handle loads of forage quickly, efficiently and reliably. This is why we have designed and built the sturdy RB544 series: They give you optimum performance and results also in high-yielding, hectic harvesting-seasons, when working under time-pressure or when facing weather threats. When you start baling, you know perfectly well which results you want to achieve: Dense and uniform bales of high quality, energy-rich feedstuff, and high-quality straw. With your decision for a RB544 series baler, you have set the basis for top quality bales. Distinct features of the RB544 balers include the strong and reliable drive, a swath roller for loss free pick up, improved feeding of the pickup, efficient work of the rotor cutter with longlasting chopper knives, and bushes which are designed and built for long working hours and extreme reliability.





5 BAR PICK-UP.

The challenge is to pick up the crop from the swath with a high feed rate and with as little losses and dirt as possible. You are perfectly right to expect top results from your baler, in leafy as well as short – or long-stemmed material, and whether it is the first cut or a late season harvest. Your RB544 baler performs!



SWATH ROLLER.

If the swath – due to windy conditions or headland turns of the windrower for example – is uneven with varying amounts and density of material, the swath roller prepares the swath and allows for a swift and loss free work of the pick-up.



FEEDER AND CHOPPER KNIVES.

The large diameter feeder pulls the material into the chopper knives, which are hardened and remain sharp for long working hours, hence cutting on power and fuel requirements. The knives reach deep into the bale chamber and effectively cut the material to an average length of 52mm. As they are spring-protected, knives re-set automatically after the impact of foreign objects. Maintenance is easy as no tools are needed to extract and replace knives.



BUSHES.

When compared to conventional bearings, it becomes obvious that the bushes of the compression rollers on your RB544 provide improved durability. They also keep and perform well under conditions of vibrations, high pressure, moisture and pollution. For you as owner and operator, this pays back in terms of reduced and easier maintenance as well as lower cost.

BALE 'N WRAP. RELIABLE, EFFICIENT, AND GENTLE ON YOUR FIELDS.

With the RB544 Silage Pack, you have decided for a well-working baler-wrapper combination. In the bale chamber, 18 pressure rollers “knead” the air out of the silage and form neat, dense, high quality bales. These pressure rollers run in unique bushes which are built to cope with wet baling conditions, and the Active Chamber Control (ACC) on the RB544 Silage Pack HD with increased working pressure allows for even denser bales. Building on extensive Case IH expertise, these balers feature high quality components and proven technologies which have demonstrated the ability to perform and exceed your expectations. In terms of workflow and efficiency, this baler-wrapper combination is an excellent solution to improve your economic performance. Last but not least, the large tyres of the Case IH RB544 Round Baler offer excellent flotation, reduce soil pressure und secure the regrowth of the next crop.



BALE CHAMBER.....

The harvested crop is firmly compacted in the bale chamber. The 1.2m wide and 1.25m in diameter bales are formed by 18 compression rollers (1.35m bales on HD baler versions only). The extremely robust bushes of these compression rollers come out of industrial applications under extreme conditions. They are constantly lubricated, and as no fluids will enter during baling or washing processes, there will be no rust.



PRESSURE ROLLERS.....

The “kneading effect” of the 18 pressure rollers forms high density bales. To withstand the high pressures in the bale chamber and for lasting reliability, the pressure rollers are formed of 4mm steel. The profile on the rollers, which are driven by a constantly lubricated chain, ensures continuous grip on the bales and positive rotation.



ACTIVE CHAMBER CONTROL ON HD BALER.....

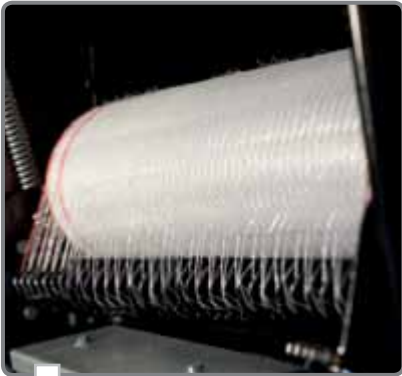
The Case IH RB544 Silage Pack HD features the new ACC – the Active Chamber Control. ACC allows the bale chamber door to pulsate. Whilst the baler pressure is continuously controlled and adjusted, this pulsation makes the bale even denser yet. The technology improves bale density by up to 15% when compared to systems with static pressure or mechanical pressure adjustments. This means less spoilage, bales which retain their shape during long periods of storage and – equally important – fewer bales per hectare. This reduces costs for film and transportation.



MAKE IT DENSER YET. AIRTIGHT WRAP FOR HIGH FORAGE VALUE.

The quality of the material which you harvest and store for your livestock depends on the crop, on the time and method of harvest – and in case of silage on the airtight conservation. Whereas net-wrap can be sufficient for hay and straw which then is covered or stored in a barn, silage demands airtight wrapping. The RB544 Round Baler series of Case IH leave the choice to you: For hay and straw, choose the RB544 with net-wrapping. You will get dense and stable bales which can either be stored or sold. If you harvest silage, however, make your decision for the RB544 Silage Pack or even the RB544 Silage Pack HD, both offering combined net/plastic film prewrapping along with the baling process. You will get bales with lasting high quality silage.





NET OR PLASTIC FILM PRE-WRAPPING.

There are clear advantages associated with pre-wrapping the bales with film in the bale chamber. These include the elimination of net-wrap, less foil – and time – needed for the high-speed wrapping process on the wrapping table, associated cost savings, and an improved oxygen barrier, the latter allowing for maintaining higher forage quality during long storage periods. Bales can also be utilised more easily and with less wastage in periods of frost, when a net might be frozen into the bales. Replacing the net with wide pre-stretched film also increases the pressure in the bale, is profitable and a future orientated technology. In case that film wrapping should not be required, film rolls can be exchanged within minutes for net rolls.



BALE DEPOSIT WITHOUT DAMAGE.....

Possible damage to the airtight foil – and the subsequent loss of silage quality – is avoided by using a rubber mat at the back end of the machine for gentle deposition of the bales. Stubbles are deflected by the mat and cannot puncture the plastic film. For easier handling with the loader clamp and in order to prevent bales from rolling downhill on sloping fields, bales can also be deposited on their side.



TANDEM / TIRES.....

Tandem axles and large tyres 500/50 x R17 are standard in Case IH RB544 Silage Pack balers. In combination with low air pressure in the wheels and good weight transfer, this offers excellent flotation, low ground pressure and hence maximum protection of soil and plants. For safety during road transports or on sloping areas, all four wheels have brakes.

INTUITIVE AND EASY TO UNDERSTAND CONTROLS.

CanBus electronics support you in achieving the optimum performance of the baler. Different sensors in the baler provide data on the workflow and hence allow for excellent control and surveillance of the baling process as well as the bales. For easy maintenance and service, all these sensors have the same specification. Furthermore, all baler models are equipped with the same control panel with an easy to read menu. This menu is available in different languages.



..... The screen of the control display contains an info and a setting section, and big letters make it easy to read the information provided in both sections during day and night operation.



The current state of the baler is shown continuously, and **all adjustments can be easily seen and re-adjusted if necessary to suit the respective working conditions.**.....



..... Factory settings are permanently stored in the system, so resetting to the original factory setup is possible at any time: No information will get lost.



DON'T LOSE TIME ON SERVICE.

Keep driving! Instead of spending precious time on daily servicing, get out to the field for your harvest quickly. All heavy duty drives are on the right hand side, so there is no unnecessary walking around the baler. Routine servicing is so straightforward on the RB series that daily checks are completed in the time it takes you to fill-up.

BIG FOLDING SHIELDS FOR EASY ACCESS.

Easy access to service points is provided via gas strut assisted shields. The shields open high upwards, offer unobstructed access and at the same time protect you or your staff against sunshine and rain.



All hydraulic functions are grouped on the left-hand side of the baler, so checking and adjusting can easily be performed by a single person.



The support bushes for the compression rollers are fixed with two bolts. In case of a replacement, this can be done without removing the roller.



Hydraulic oiling and central greasing canisters are placed at eye level for easy checking in an uncluttered area for easy refilling, without spillage.



The knives are checked and replaced without any tools – quick and easy.

MORE THAN TRACTORS TO WORK FOR YOU: WE'VE GOT PEOPLE TO WORK WITH YOU.

When you buy a Case IH machine, you can be sure not only that you're buying the best product, but also that you've got the best dealer back-up behind you. Case IH dealers can offer advice on selecting the right machine, will ensure they deliver what you need when you need it, and will then continue to back you and your equipment with the service and spare parts backing you'd expect from a name as trusted as Case IH.

SKILLED BUSINESS ADVISOR AT YOUR DEALERSHIP DEMAND MORE FROM YOUR CASE IH DEALERSHIP.

Purchasing a standalone piece of new equipment?
Keeping a whole fleet up-to-date? Whatever your size of operation, contact your local Case IH dealership for professional advice on your business needs. Case IH knows your farming needs best.



MAINTAIN THE PRODUCTIVITY OF YOUR INVESTMENT.

Case IH and its dedicated dealer network provide excellent support when you take delivery of your new machine and whilst it remains in your ownership. On the farm, you can rely on trained service professionals to maintain the productivity of your investment.



DO NOT RISK YOUR MACHINE'S LIFE BUY CNH INDUSTRIAL PARTS & SERVICE!

Protect the value of your investment.
Behind every Case IH product stands an extensive parts logistics organisation, stocking parts for products both old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.



MODELS	RB544	RB544 SILAGE PACK	RB544 SILAGE PACK HD
BALE DIMENSIONS			
Width (cm)	122	122	122
Diameter (cm)	125	125	135
TRACTOR REQUIREMENT			
Minimum PTO power (kW/hp(CV))	55 / 75	80 / 109	100 / 136
Hydraulic distributors	3	3	1
PICK-UP			
Width, effective (DIN 11220) (m)	2.1	2.1	2.2
Flotation	Adjustable spring	Adjustable spring	Adjustable spring
Pick-up bars	5	5	5
Number of pick-up tines per row	16	16	18
INTEGRATED CHOPPING SYSTEM			
Chopper	Rotor with dual tines - rotor width 1,4m		
Maximum number of knives	20	20	20
Theoretical chop length (mm)	52	52	52
Knife protection	Spring tensioned	Spring tensioned	Spring tensioned
BALE CHAMBER			
Number of compression rollers	18 profiled, reinforced rollers - driven by automatically oiled heavy duty chain		
WRAPPING SYSTEM			
Type	Performance monitor controlled		
Wrap type	Net	Net / plastic	
Film application	-	Twin satellites 750mm	Twin satellites 750mm
Wrapping capacity (approximate bales/hour)	-	40-50	40-55
BALE DENSITY CONTROL			
Type	Mechanical	Mechanical	Active Chamber Control and bale process monitoring
TYRES			
Standard	500/55 x 20	480/45 R 17	500/50 R 17
BALER DIMENSIONS¹⁾			
Total length (mm)	3,860	5,900	6,200
Total height (mm)	2,150	2,650	2,800
Width (mm)	2,720	2,990	2,750
Weight (kg) ²⁾	2,800	4,500	4,900
OTHER EQUIPMENT			
Automatic greasing	●	●	●
Working lights on wrapper	-	○	○
Camera control of wrapping	-	○	○
Bale flipper to turn bale on its side	-	○	○

● Standard Equipment ○ Optional at extra costs - Not available ¹⁾ With standard tyres ²⁾ Depending on configuration

SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment.

Case IH recommends **ACELA** lubricants.

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