



# LB4 SERIES

LARGE SQUARE BALERS







# NEW CASE IH LB BALERS

The professional's choice...





Once it's in the swath, any crop intended for baling is at its most vulnerable. Putting your trust in a Case IH LB series large square baler to pick it up, package it and protect it is the best way to minimise that vulnerability. New generation LB balers feature revisions and refinements throughout, to create machines even more productive than their predecessors.

You're guaranteed a rugged, robust and reliable baler whichever model you choose. There's a host of revised components ranging – depending on model – from pick-up to rotor and packer to bale ejection. Each one is designed to make your baling more productive, more profitable and more of a pleasure.

**LB SERIES. BALERS THAT MEAN BUSINESS.**



**MAXIMUM PRODUCTIVITY FROM DAY ONE**

Standard feeder LB series balers now benefit from an upgraded chain and tensioner for enhanced durability, while a new packer slip clutch incorporating an additional friction plate made from thicker material provides improved load transfer and heat dissipation for maximum reliability. There's also a new stronger packer driveshaft, with 33% larger diameter.

# THE INSIDE STORY

Making great balers even better

**NEW LB SERIES LARGE BALERS**

From front to rear, every aspect of the LB series balers was examined by Case IH engineers to analyse areas where there was scope for improvement. Every major component came under scrutiny, from the pick-up, rotor and pre-chamber through to the packer and knotters. But it wasn't just those primary components that were revised and re-engineered. Improvements on new LB balers include innovations in headland management and density control, and even developments in simpler but still essential areas, such as tractor couplings and lighting.

**MORE PICK-UP PERFORMANCE**

Stronger pick-up assist auger flights are made from 25% thicker steel, up from 4mm to 5mm, resulting in longer service life, particularly in stalky crop conditions. There's also a hardened pick-up driveshaft and a new safety clutch, for reduced stress and increased reliability. A new bearing locks the pick-up onto the packer shaft, eliminating axial play, to improve component lifetime.

MODELS	LB 334	LB 434 XL
Bale dimensions width x height x length (cm)	80 x 90 x 275	120 x 90 x 275
Number of knives (depending on versions)	19	29







#### **MORE CONSISTENT BALES PER HOUR**

On LB434 XL models, the bale chamber is now 31% longer, having been extended by 80cm. In conjunction with automatic feed rate control, that means you get not just better bale shape and greater bale density, but also more consistent density across the day as conditions change.

#### **THE PERFECT BALE IN UNDER 60 SECONDS**

Bale formation improvements on new LB balers include new reinforced crop holding fingers, a more durable plunger and a new needle cleaning kit. A new advanced multi-sensor miss-tie detection system ensures reliable knotting time after time, while an improved knotter cleaning system keeps knotters cleaner than ever before!

#### **SMOOTHER ON THE ROAD, EASIER ON THE LAND**

Case IH LB series big square balers are available with single or tandem axles, and flotation tyres for minimum impact on the field and maximum comfort on the road.









# THE FINEST FEED

Giving bales the best start

1 Easy-to-access knives

2 Improved pick-up performance, standard windguard

3 Swath guiding sensors ensure uniform crop flow

Every feature on the new Case IH LB balers is designed to ensure you get crop off the field and into the stack as quickly as possible. With pick-up widths of 2m and 2.2m, depending on model, all are equipped with a roller windguard and large gauge wheels with adjustable flotation springs to handle the widest and heaviest swaths.

## MAXIMUM CROP PROTECTION

The crop is fed quickly but gently into the baler and delivered to the pre-compression chamber in a smooth and continuous flow with help from two centring augers which now feature stronger flights for improved longevity. Aided by swath-guiding

sensors, these help fill the bale chamber uniformly to ensure consistent density and shape for maximum feed value and storage/transport efficiency.

## MAXIMUM BALER PROTECTION

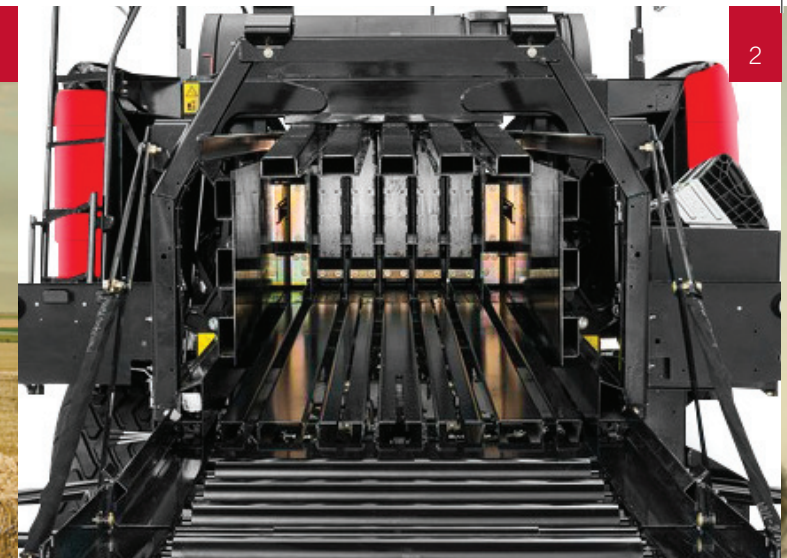
Protection of the balers themselves has been improved through the incorporation of a hardened pick-up driveshaft and a new safety clutch, plus a stronger packer chain and tensioner on non-chopper models, and a new packer slip clutch and longer packer shaft.

**LB4 SERIES. STRONGER, GENTLER, FASTER.**

## ADVANTAGES

- 2m or 2.2m wide pick-up
- Large gauge wheels with spring flotation
- Centring augers with stronger flights
- Hardened pick-up driveshaft
- New safety clutch
- New packer slip clutch





# PERFECT BALES

In under 60 seconds

**1** New active bale ejection system

**2** Three-dimensional bale shape control

Consistent quality bale production is the essential trait in any baler, and it's at the heart of the LB4 series design. Each component is created to be robust enough to perform bale after bale, field after field, year after year, whatever the crop type or condition. Our two models cover the key baling sizes, and with packer and rotor cutter options, means there is an LB baler to suit every farming and contracting operation.

## SMOOTH-RUNNING ROTOR CUTTER

A massive rotor, available in two widths, uses a series of alternating long and short tines that help prevent rotor blockage. Up to 29 knives (depending on model) can be fitted for a short theoretical chop length of 40mm. On new LB4 rotor cutter models, new options include a biomass-configured pre-chamber and a dealer-installed kit to enhance performance in damp grass. All models benefit from strengthened crop-holding fingers and plunger, plus a new needle cleaner option.

## CONSISTENT DENSITY BALES

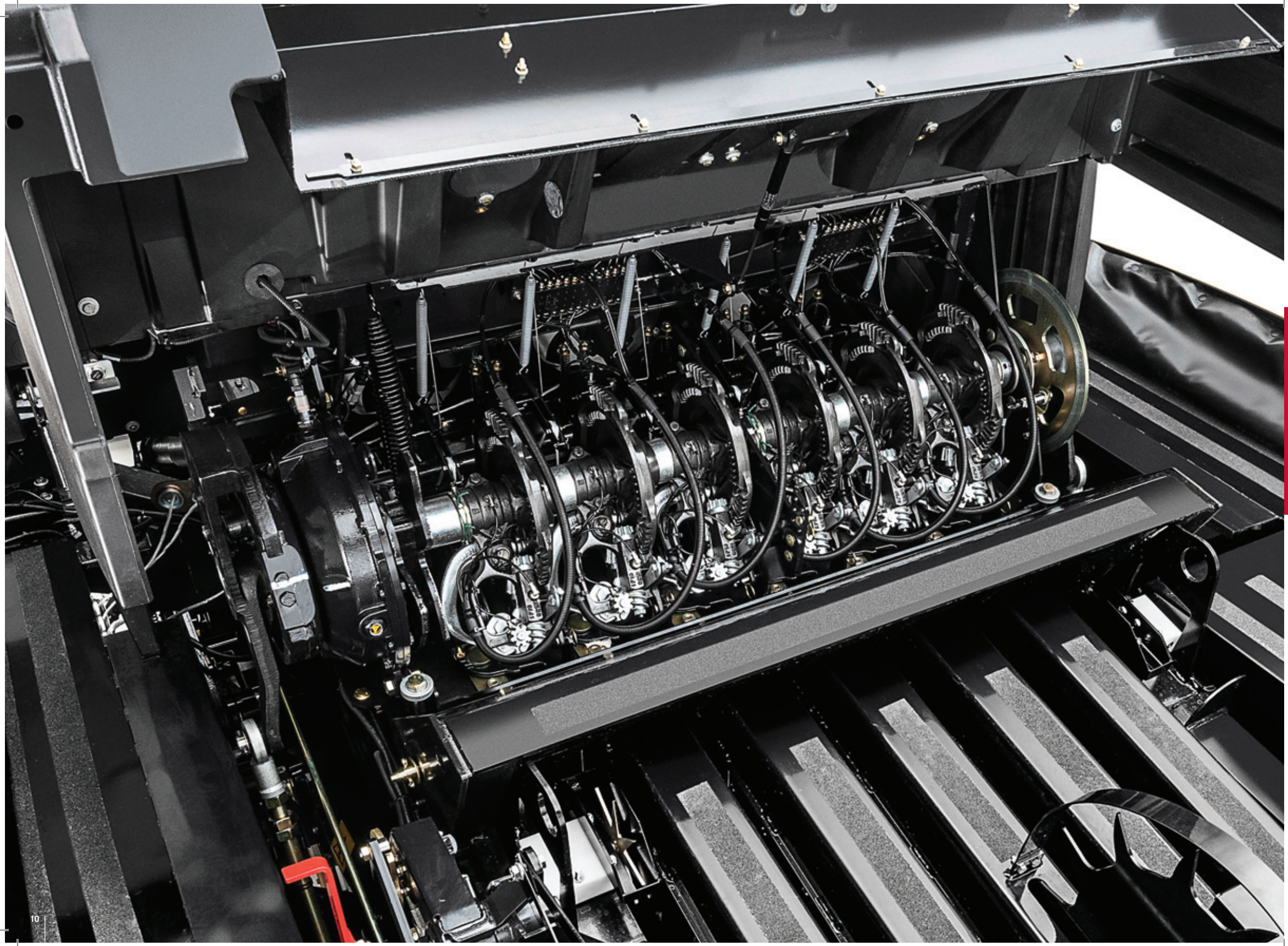
As soon as the pre-compression chamber is filled to the required density, the stuffer fork pushes the material upward into the bale chamber, this cycle being repeated until the correct bale length is achieved. During bale formation the bale chamber's three-dimensional density control system maintains bale shape. A new proportional density control valve allows higher relief pressure, meaning more stable density regulation when working at maximum pressure. Density blocks can be installed to increase pressure when baling dry crops, and an enhanced stuffer trip mechanism prevents false trip detection.

**LB4 SERIES. RUGGED, ROBUST, RELIABLE.**

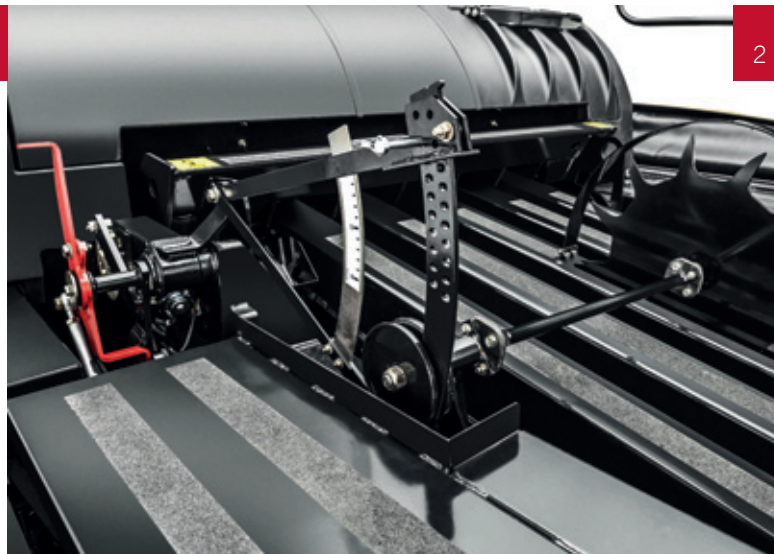
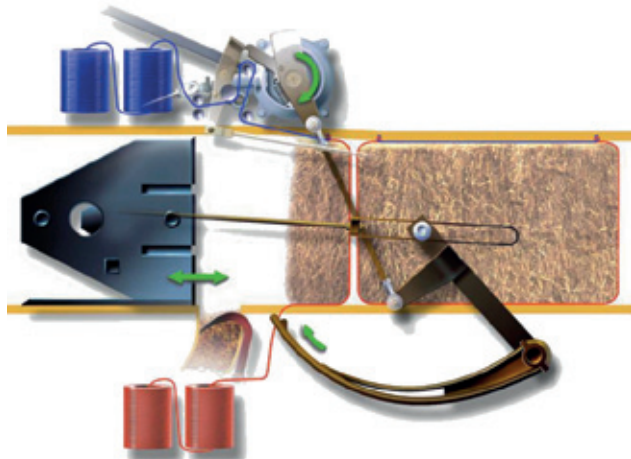












# SOUND, CERTAIN KNOTS

Time after time

1 Knotting system

2 Knotter lock

3 Ample 32 twine roll storage

## FULLY INTEGRATED RELIABILITY

With the proven and extremely reliable double knotter system on LB balers there is now the option of an on-board Compressor Cleaning Kit that further enhances that reliability by keeping knotters clear of dust and debris. In the unlikely event a problem should occur, a new advanced multi-sensor miss-tie detection system is factory fitted. A sensor added to the knotter lock system detects the lock position and alerts the operator at PTO speeds of above 600rpm should a problem occur.

## SAFE AND SURE

As the crop enters the bale chamber, twine is fed from two separate rolls to both the top and bottom of the bale. This system automatically reduces twine tension when working with heavy, tough crops. Each bale has two knots on each twine, the first tying the two twine balls together in readiness to form the bale, and the second completing the bale once the desired length has been reached. The knotters are fitted with individual sensors to detect any miss-tie.

## SMOOTH BALE EJECTION

All LB4 balers are equipped with roller-type bale chutes that can be folded away hydraulically for safe and easy transportation. Each roller is fitted with sealed bearings for smooth bale ejection and an extended service life.

## UP TO TWO BALE EJECTOR SYSTEMS INTEGRATED INTO ONE BALER

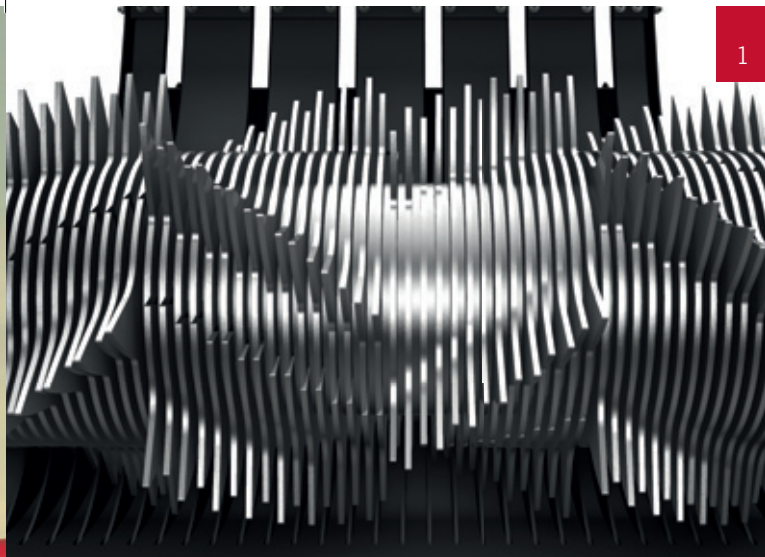
The standard bale ejection system cleans out the bale chamber, while the additional partial bale ejection system works only on the rear section, opening the side walls and allowing the completed bale to be ejected so the bale chute can be folded for transport on the road. The redesigned sidewalls of the compression chamber open up wide to allow any material to be expelled without blockage. This allows proper bale forming from the start after moving to a new field. With the uncompleted bale remaining in the baler chamber, the production of high quality bales can proceed from the start in the new field.

**LB4 SERIES. DEPENDABLE DAY IN, DAY OUT.**









1



2

# BETTER BALING

Features that make a difference

1 Optional heavy-duty rotor

2 80cm – 31% – longer chamber frame

## HEAVY-DUTY ROTOR

A new heavy-duty rotor option for rotor cutter models helps prevent premature rotor wear in abrasive crop conditions, extending rotor life by as much as four times when compared to the lifespan of the standard rotor. It is particularly suited to those customers seeking to bale very abrasive material such as maize/corn stalks or sugar cane trash.

## LONGER BALE CHAMBER

The bale chamber on new LB large square balers has been extended by 31% – a total of 80cm – to provide excellent bale control, for density that is both higher and more stable in varying crop conditions, while providing better bale shape and reducing the risk of twine breakage.

## NEW ACTIVE BALE EJECTION SYSTEM

Bale ejection is now governed by an active rather than passive teeth system which engages the teeth – 10 in total – into the bale. Partial ejection is made possible by the teeth that reside between the two main sets of teeth.

**LB4 SERIES. BALERS BUILT FOR HARD WORK.**

## ADVANTAGES

- Reduced rotor wear
- Longer rotor life
- Longer bale chamber
- Active bale ejection





# BIGGER, BETTER, BRIGHTER

Improved in every area

## EASY TO OPERATE – AND TO SERVICE

LB434 XL baler bodies are wider than previous models (from 2500mm to 2800mm), to provide increased space between the side frame and the twine box and reduce crop accumulation in this area. This also provides more space to move around the service platform. Every model still falls within a 3m transport width, even with pick-up wheels in situ.

## SEE AND BE SEEN

A new work light and service light package is available on LB434 XL balers, featuring modern, bright LEDs for maximum visibility, even in the darkest night.

## FULL BRAKE PROTECTION

Case IH LB434 XL big square balers can be ordered as single or tandem axle versions. Hydraulic brakes on LB334 and LB434 XL models ensure safe stopping in every situation, while a brake arrangement redesign on new LB XL balers ensures crop cannot accumulate on components.

## GOOD ON THE FIELD – AND ON THE ROADS

Fitted with quality flotation tyres, the Case IH baler range leaves minimal impact on the land while making road travel a smooth experience.

**LB4 SERIES. DEPENDABLE DAY IN, DAY OUT.**

## ADVANTAGES

- Improved service access
- Sub 3m transport width
- New LED work and service lights
- Single or tandem axles
- Hydraulic brakes













# MAXIMUM PRODUCTIVITY

From day one with ISOBUS III controls

Using the Case IH AFS® Pro 700 ISOBUS-compatible terminal, control of LB series big balers is a fingertip operation. Fine tuning of the machine can be done on-the-move from the tractor seat, with a self-diagnostic alarm system keeping you fully informed should any problem occur. A new optional camera monitor kit with a separate 7-inch monitor can be fitted, and allows users to observe camera feeds through this rather than switching between machine operating and camera feed screens on the AFS Pro 700 monitor.

In transport mode the PTO speed, hours worked, number of bales plus lubrication and additional operational information can be displayed on-screen. With this mode selected the flashing warning beacon works automatically. In work mode, above 600rpm PTO speed the screen changes automatically; the beacon is switched off and the knotter fans and lubrication system are switched on.

**Total control:** The AFS Pro 700 monitor display provides a clear and simple overview of the operating status at a glance, providing operators with all the data they need to make informed decisions quickly and accurately. As a result, whether it's you or one of your operators in the

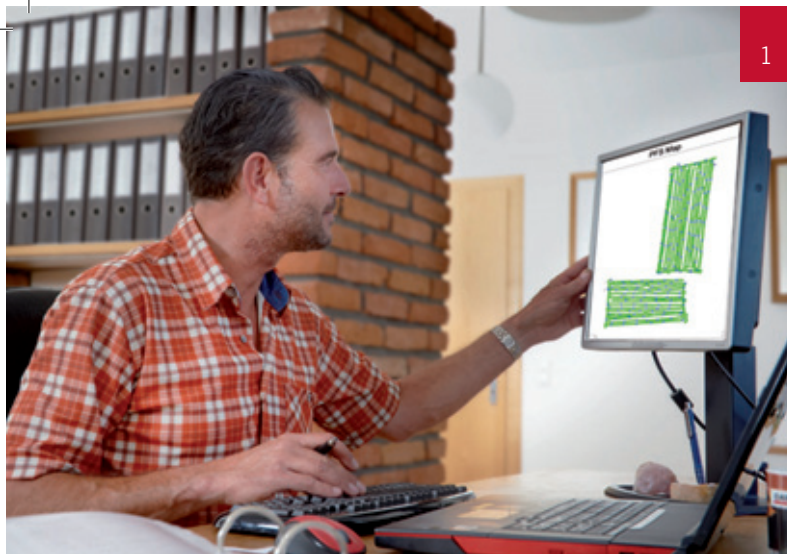
driving seat, you quickly and consistently get maximum productivity from your baler – and that holds true even for those who might be new to Case IH LB4 series balers. In short, these are machines which allow you to quickly extract the maximum from their potential.

When in Work mode, a series of automatic alarms monitor twine condition and knife position. They also warn of any miss-ties or shearbolt failures. For additional safety a sensor fitted to the end bale chute roller signals the last bale drop.

**ISOBUS III control:** With ISOBUS III compatible tractors and Feed Rate Control technology, it's possible for the implement to control the tractor for the ultimate in efficient operation. The load imposed on the baler by the density of the windrow is continuously measured, and this information is used to regulate the tractor's speed. That means the combination of tractor and baler is consistently operating at maximum capacity to maintain the highest productivity and minimise fuel consumption. This means not just lower baling costs, but greater productivity and less stress on the operator.

**LB4 SERIES. PRECISION OPERATION.**





# PRECISION MONITORING

Precision control

**1** Monitor and manage your machines ...

**2** ... with AFS Connect™ Telematics

## CASE IH ADVANCED FARMING SYSTEM: MAKING BALING MORE PRODUCTIVE

If you can't measure, you can't manage. AFS® from Case IH enables data to be recorded in real time, and allows immediate analysis and the formulation of action plans.

To supply up-to-date and accurate information to run the baling operation efficiently, Case IH balers equipped with data collection systems to supply detailed and summarised data on the parameters of each bale (moisture, weight and location in field).

The information measures the bale count per field, as well as the total yield, making accurate accounting and planning possible.

The data can be expressed via a converter program, into a customisable table showing the parameters of the bale down to the minutest detail ("slice" level) or in summarised form, whichever is required by your customer or for your needs.

If the tractor baler combination is equipped with an AFS receiver, the bale locations are defined and can be mapped with the relevant Case IH software, showing location of the bales and yields, allowing the bales to be collected by moisture level, weight or any other parameter.

Optional File Transfer uses telematics technology to wirelessly transfer complete bale/field/work data from the AFS Pro 700 terminal in the tractor to the AFS Connect portal to be analysed on the farm office computer.

## LB4 SERIES. BALERS THAT MEAN BUSINESS.

## ADVANTAGES

- Measurement improves management
- Optional immediate wireless data transfer
- No risk of data loss
- Analyse bales down to slice level
- Identify bales by location









# SIMPLE TO MAINTAIN

Easy to service

- 1 Centralised greasing system
- 2 Standard LED flashlight beacon LB434 XL only), optional camera available
- 3 Ample, easily accessible storage

Case IH LB balers are designed to require the minimum of maintenance so that pre-work preparation takes up the minimum amount of time. That means you get out into the field sooner, getting more work done in a day and helping to ensure crop is gathered as quickly as possible before the weather changes.

Aside from routine lubrication and servicing, LB balers require little in the way of regular maintenance. Where access to key components is required, easy-opening gas strut-supported panels provide this without effort. A removable twine-box provides easy access to the bale chamber when required. All this results in less time in the yard and more where it matters most – in the field.

**LB4 SERIES. A PLEASURE TO WORK WITH.**

## ADVANTAGES

- New, longer safety railing
- Easy access to daily service stations
- Centralised lubrication system
- Automatic greasing system







Case IH has more professionals in the field than anyone else. Our dealers have the experience to help you manage your equipment to maximise yields and your bottom line. Parts and service technicians have the expertise to assist you before, during and after the sale. And Case IH Finance will work with you to customise financing solutions to identify what works best for your needs and your farm. It's an integrated equipment, service and financing system in one package. All of it focused on your operation.

TECHNICAL SUPPORT | SERVICE | PARTS

# SYSTEM SOLUTIONS

We'll keep you farming.

## GENUINE **PARTS**

### WE KEEP YOUR EQUIPMENT RUNNING.

Your Case IH dealer understands you need to optimise the return on your investment. That means fitting the right horsepower and capabilities with the tools and implements that best fit your farm. Your dealer can recommend the appropriate options package, with proper tyres and weighting and ballasting packages for optimum performance. They will also analyse results with you, paddock by paddock.



### STANDARD REDCOVER PLUS PROTECTION PLAN (SPP).

At Case IH we understand the importance of your product being serviced and maintained in good working order when it counts. We recognise you expect your product will deliver on the ever increasing productivity demands. Case IH customers deserve the additional peace of mind of knowing your product is covered should the unexpected occur with REDCover Plus Protection Plan (SPP).

LB4 series balers receive a total of 2 years (24 months) or 30,000 bales (whichever occurs first) total coverage.



## CASE IH FINANCE

### OFFERING FINANCIAL SOLUTIONS FOR EVERY APPLICATION.

Case IH Finance's extensive experience in the agricultural industry has created a deep understanding of your unique needs. Competitive equipment financing with flexible payments can be timed to your cash flow. There are financing options that fit the way you farm. Case IH Finance helps you find them.



MODELS	LB334XL	LB334XL Packer Cutter	LB334XL Rotor Cutter	LB424XL	LB424XL Rotor Cutter	LB434XL	LB434XL Rotor Cutter
BALE DIMENSIONS							
Width x height (cm)	80 x 90			120 x 70		120 x 90	
Max length (cm)	260						
TRACTOR REQUIREMENTS							
Minimum PTO power (kW/hp)	75 / 102	80 / 109	95 / 129	90 / 122	110 / 150	90 / 122	110 / 150
Hydraulic valves (single acting)	1						
Hydraulic valves (double acting)	1	2		1	2	1	2
PICK UP							
Width (m)	2			2.2			
Gauge wheels	No tools adjust 15x6.00-6 4PR						
CROP CUTTING SYSTEM							
Number of knives	N/A	6	19	N/A	29	N/A	29
Knife activation in/out	N/A	Hydraulic		N/A	Hydraulic	N/A	Hydraulic
Knife protection	N/A	Individual spring		N/A	Individual spring	N/A	Individual spring
FEEDING SYSTEM							
Feeder	Packer		Rotor	Packer	Rotor	Packer	Rotor
Fork type stuffer with	4 tines			6 tines			
PLUNGER							
Speed (strokes/minute)	48						
Length of strokes (mm)	710						
TYING SYSTEM							
Type	Double knot						
Twine type	110-150m/kg (plastic)						
Number of knotters	4			6			
Knotter fans and type	2 electric (standard)			3 electric (standard)			
Knotter function alert	Individual knotter monitoring and flags						
Twine bale capacity	32						
BALE DENSITY CONTROL							
Proportional 3-way control	AFS Pro 700 display						
Manual override	Standard						
TYRES							
Single axle	710/40-22.5						
Steered tandem axle	560/45-22.5				620/50-22.5	560/45-22.5	620/50-22.5
BALER DIMENSIONS							
Length with chute raised (mm)	7570		7533	8255	8308	8255	8308
Height single axle (mm)	3133		3223	2953	3064	2953	3064
WIDTH WITH SINGLE AXLE							
600/55-22.5	2568mm			2948mm			
710/40-22.5	2604mm			2984mm			
WIDTH WITH TANDEM AXLE							
500/50-17	2398mm			2782mm			
620/50-22.5			2562mm		2946mm		2946mm
Approximate weight (kg)	7350	7350	8600	9100	10500	9300	10800
OTHER EQUIPMENT							
Automatic greasing system	Standard						
Bale release system	Standard						
Work lights	Standard						
Service lights	Standard						
Hydraulic folding roller bale chute	Standard						
Partial and full bale active eject system	Standard						
Bale weighing sytem	Standard						
Rear view camera	Standard						
Printer	Optional						
Bale tagging	Optional						




Case IH LB Series Brochure – 05/2019 – Code 19CIH011  
Printed in New Zealand

WWW.CASEIH.CO.NZ

**Case IH New Zealand**

**888 Tremaine Avenue, Palmerston North Free phone: 0800 CASE IH (2273 44)**

 Safety never hurts! Always read the Operator's Manual before working with 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 **AKCELA** lubricants.



**CASE IH**  
AGRICULTURE  
THE HEART OF FARMING BEATS RED