

**LB**

*BIG BALER - 324 / 334 / 424 / 434*



**CASE IH**  
AGRICULTURE

# THE LB SERIES – TOP QUALITY IN EVERY BALE





# INTRODUCTION

## HIGH SPEED BALING WITH HIGH DENSITY

The exterior appearance of the new LB series reflects the completely new design. All key component areas have been revised or redeveloped. These include an extremely rugged central frame and a new pickup and rotor system for efficient crop gathering and transfer to the bale chamber. Case IH development engineers have kept some of the proven components from the previous LB series, including the extremely reliable double knotter system. Productive and reliable harvesting, from loose swath to compact bales.

### LB 324 AND LB 334 – IDEAL FOR THE LIVESTOCK FARMER

Perfect for baling hay and grass silage, capable of forming a high quality, easily transportable 80x70cm or 80x90cm bale for long term storage. Available with a fine cut option.

### LB 424 – FOR MEDIUM SIZE FARMING OPERATIONS AND CONTRACTORS

Producing 120x70cm high density bales for straw, silage and hay, available with a fine cut rotor option for grass silage. Available with a fine cut option.

### LB 434 – THE SUPERSIZE BALER

Designed for high capacity harvesting of all crop types and capable of producing 120x90cm silage, hay and straw bales max. 2.6 metres in length, the most stable size for economic transportation.

MODEL	LB 324	LB 334	LB 424	LB 434
Bale chamber measurements width x height x length (cm)	80x70x260	80x90x260	120x70x260	120x90x260
Standard baler (no cutting equipment)	•	•	•	•
Packer Cutter	•	•		
Rotor Cutter	•	•	•	•

• Available

# TAKE A WALK AROUND

## THE CONCEPT

High performance big balers from Case IH, the advanced-look LB series balers not only suit the customer business, they are also stuffed with modern features to meet your business challenges, now and well into the future.



## MAXIMUM PRODUCTIVITY FROM DAY ONE

The Case IH AFS monitor continuously supervises and displays all key baler functions, including the knotters. New on LB models is a visual steering aid to assist operators in picking up very small and/or irregular swaths and ensure uniform, sturdy bales are formed even in difficult conditions. On the AFS Pro 700 monitor, images from several video cameras can be displayed simultaneously. It is also possible to operate the balers through the terminals of ISOBUS-compatible tractors.



## MORE PICKUP PERFORMANCE

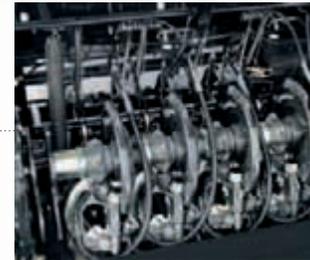
The new high-speed pickup with stronger tines for improved feeding and additional feed roll for high speed work in all crops and conditions. The pickup has up to 2.40m working width. A swath windguard, available in a rake or roller version and manually-adjustable to match crop conditions, works with an additional intake auger plus central feed roller to ensure rapid and loss-free material transfer, even with bulky harvest material.



## SAFE TRANSPORT AND SOIL PROTECTION

For maximum road safety Case IH big balers feature suspension systems for excellent handling. On and off the road they offer a wide choice of tyres to match your working conditions. There is a choice of either a single axle or tandem axle, with steered rear axle. The large tyres in combination with the steered tandem axle reduce soil pressure and protect the regrowth of the next crop. In spite of their higher performance and capacity, new LB series balers feature a very compact construction, and even on 600mm-wide tyres they are less than 3m wide. Transport speeds of up to 60kph are possible on the road, depending on local regulations.





### FULLY INTEGRATED RELIABILITY

The proven and extremely reliable double knotter system on the new machines offers an optional new compressed air cleaning system to ensure reliability by keeping knotters clear of dust and debris. This is in addition to the improved standard knotter cleaning system and is used for extreme dusty conditions, often experienced in drier countries.



### THE PERFECT BALE IN UNDER 60 SECONDS

Whatever the crop, light hay, dry straw or heavier first cut silage rich in sucrose, LB big balers will consistently form the right bale in perfect condition for bedding or feeding. With four models in the range and different crop cutter options you can choose the right chopping system for your needs and bale dimensions to suit your farming or contracting operation. Renowned bale density which can be easily adjusted from the tractor seat using the AFS-monitor regardless of how fast the baler operates.



### MORE CONSISTENT BALES PER HOUR

High pickup speed and a 14% increased in plunger speed provides higher capacity baling to gather the crop on time, always at the required density and a consistent bale shape to suit all transportation requirements.



### SIMPLE, EASY AND VIRTUALLY MAINTENANCE FREE

Case IH LB balers have been designed to give trouble free operation for many seasons requiring the minimum of service and maintenance. Direct access to all major components is provided by the high-opening panels that lift upwards supported by gas assisted cylinders. Storage compartments with the ability to hold up to 32 twine balls are enough for a days high capacity baling.

A man wearing glasses and a black ribbed sweater is driving a Case IH combine harvester. He is seen from the side, looking forward. The harvester is orange and white, with "CASE IH" and "PUMA" visible on its side. The background is a green field under a bright sky. The text "MAXIMUM PRODUCTIVITY FROM DAY ONE" is overlaid in the upper right quadrant of the image.

MAXIMUM  
PRODUCTIVITY  
**FROM DAY ONE**



## OPERATOR CONTROLS

Whether you use the ISOBUS terminal in your tractor or the Case IH performance monitor, the baler's standardized software and intuitive operator interface keeps you in total control from the moment you start to bale. Fine tuning adjustments can be made on-the-move without leaving the tractor seat and the self-diagnostic alarm system will keep you fully informed should any problem occur.

**Transport mode:** 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.

**Work mode:** Above 600rpm PTO speed the screen changes automatically; the beacon is switched off and the knotter fans and lubrication system switched on.

**Total control:** The monitor display gives you an overview of operating status at-a-glance. You get maximum productivity even with drivers new to Case IH LB balers because the operator interface is so clearly laid out that it is virtually self-explanatory. In addition, once the baler is set up, you never have to change any settings if you use a different tractor – the control system remains the same whether you use the Case IH monitor or any ISOBUS tractor terminal.

**Warning signals at a glance.** In Work mode, a series of automatic alarms monitor twine condition and knife position. They also warn of any misties or shearbolt failures. For additional safety a sensor fitted to the end bale chute roller signals the last bale drop.





SMOOTH  
CROP FLOW –  
**NO LOSSES**



## PICK-UP AND PRECOMPRESSION

Case IH LB balers take the pressure out of working to tight schedules. The pickup is wide enough to handle the largest swaths. You can get started straightaway, with the confidence that the LB will meet expectations smoothly and efficiently.

---

### FLOATING PICK-UP

The LB pickup works at the optimum height for crop collection with minimum risk of crop damage. At headland turns the large gauge pickup wheels limit soil damage. To handle changing field conditions the hydraulic pickup features an adjustable flotation spring designed to stop the gauge wheels bouncing.

The roller wind guard can be adjusted manually when required to smooth out uneven swaths.

### NOTHING LEFT BEHIND

LB big balers offer robust pickups with widths between 1.98 and 2.4 metres that feature high strength steel pick-up tines. The entire crop is collected from the windrow and delivered to the pre-compression chamber in a smooth and continuous flow via two centering augers. The bale chamber is uniformly filled so that silage bales retain all their nutritional qualities and all bales retain their preset dimensions for effective transport and multilayer storage. Sensors guide the operator over the swath so that an even and consistent bale density is obtained on fields with small swaths.



### EASY-ACCESS KNIFE BANK

Knife drawer slides out giving instant access for replacement and sharpening.



### QUICK AND EASY TO ADJUST

The fully adjustable pick-up flotation system can be adjusted without tools for superior field performance.

# THE PERFECT BALE IN UNDER 60 SECONDS



# BALE FORMATION

Whatever the crop – from hay to straw, short or long the LB big balers will consistently produce bales in perfect condition for bedding or feeding. With four models in the range and different crop cutter knife options you can choose the right chopping system and bale dimensions to suit your farming or contracting operation. Bale density can be easily adjusted from the tractor seat using the monitor.

## 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. This is designed to create tight and compact segments for easy distribution.

## CONSISTENT DENSITY BALES

As soon the precompression chamber is filled to the required density the stuffer fork pushes the material upward into the bale chamber, this cycle is repeated until the correct bale length is achieved. During the bale forming process the bale chamber's three dimensional density system keeps the bale in shape. Each bale takes between 45 and 60 seconds to complete and is tied using a double knotting system for minimum wear and tear on the bale twine.

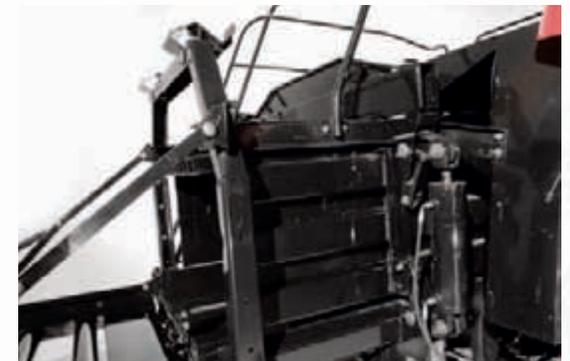
### FIVE CROP CUTTER OPTIONS:

0.80m bale	Packer Cutter – 6 knives
0.80m bale	Rotor Medium Cut – 9 knives
0.80m bale	Rotor Short Cut – 19 knives
1.20m bale	Rotor Medium Cut – 15 knives
1.20m bale	Rotor Short Cut – 29 knives



## BETTER HANDLING AND STORAGE

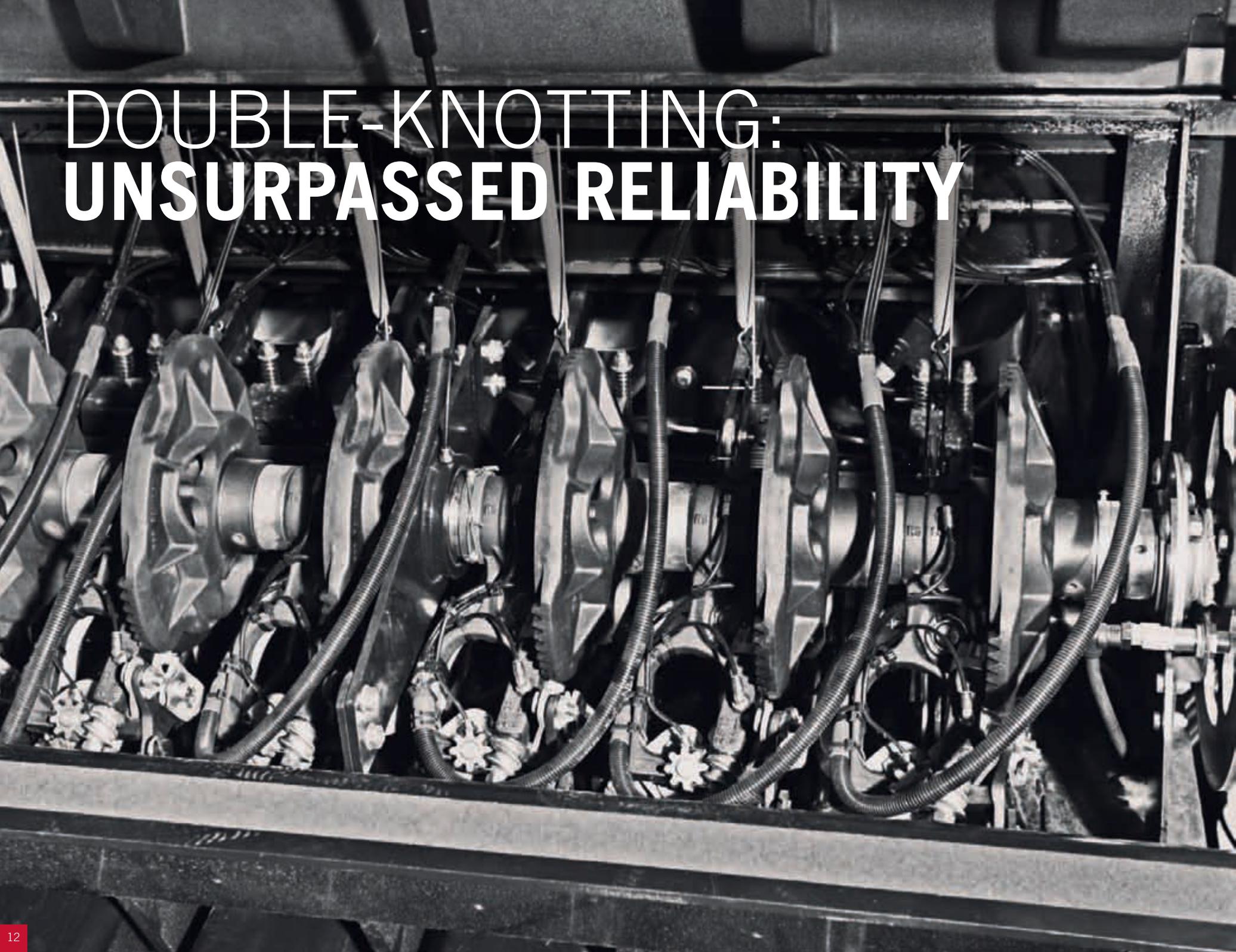
Neat and tidy fields and well stacked trailers and barns are the result of the superb quality, high density bales that are very easy to handle.



The three dimensional compression system provides equal pressure to all sides providing consistent bale shape and density every time.



# DOUBLE-KNOTTING: UNSURPASSED RELIABILITY



# KNOTTING

Case IH LB balers feature four or six heavy duty double knotters (depending on the model) designed to deliver perfect knotting performance bale after bale. Powerful debris fans keep the knotters clear of dust and straw to ensure uninterrupted high performance baling. The dust proof side cabinets are spacious enough to hold 32 balls of twine.

## SAFE AND SURE

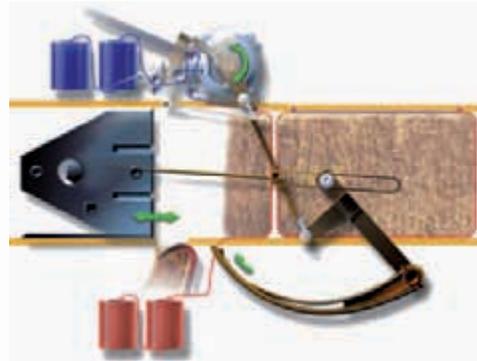
As the crop enters the bale chamber twine is fed from two separate balls to both the top and bottom of the bale. This system automatically reduces twine tension when working with heavy, resilient crops. Each bale has two knots on each twine, the first, which ties the two twines together in readiness to form the bale, and the second, which completes the bale once the desired length has been reached. The knotters are fitted with a sensor to detect any breaks or misties.

## KEEPING IN GREAT SHAPE

All LB balers are equipped with roller-type bale chutes that can be folded away hydraulically for safe and easy transportation. Each roller on the chute is mounted in sealed bearings for smooth bale handling 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. The additional partial bale ejection system only works at the rear – opening the side walls and allowing the completed bale to be ejected to allow the bale chute to be folded for transport. 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.

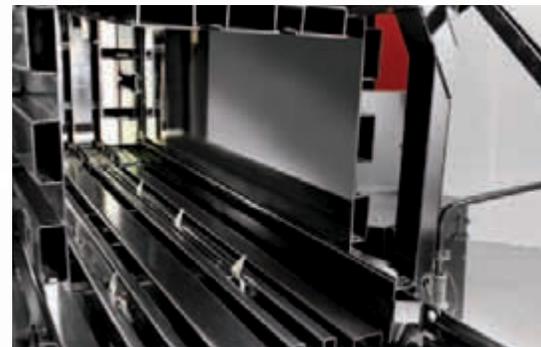


**KNOTTING SYSTEM**



**HUGE DUST PROOF SIDE CABINETS**

32 ball capacity.



**INTEGRATED FULL AND PARTIAL EJECTION SYSTEMS**

No need to preselect – activate the system you want to either clean the bale chamber or to expell the last completed bale only.

# LIGHT ON THE FIELD AND FAST ON THE ROAD





## TRANSPORT AND SERVICING

Case IH big balers feature axle suspension systems for excellent handling, and are available with a wide range of tyre choices to match your working conditions. Balers are available in either single or tandem axle format, and a steered rear axle option. This system has a 17° turning angle that acts automatically during baling for reduced scuffing when turning. The steering system can be locked when reversing and during transport.

---

### SIMPLE, EASY AND VIRTUALLY MAINTENANCE FREE

Case IH LB balers have been designed to give trouble free operation and apart from routine lubrication and servicing they are maintenance free. Direct access to all major components is provided by the wide-opening panels that lift upwards supported by gas struts.

The entire baler has been engineered to provide immediate access when you need it to give you more time in the field and less down time.



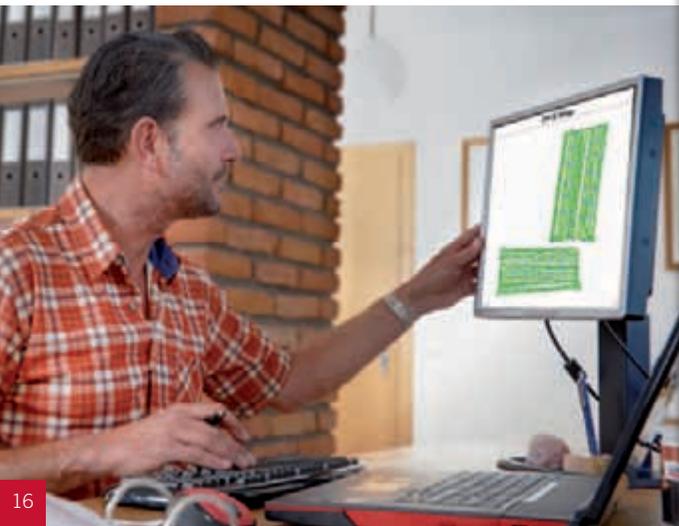
### CENTRALISED LUBRICATION SYSTEM

Automatic lubrication of bearings available (automatic drive chain lubrication is standard).



### LIGHTING THE WAY

The standard lighting package on all LB balers features powerful working lights on both sides for those long working days.



# ADVANCED FARMING SYSTEMS

## MAINTAINING THE LEAD – ADVANCED FARMING SYSTEM FOR BALERS

The well known AFS farm management tool has been extended as an option to large square balers

- Professional management of a farm is the difference between making a profit or losing money – important in our price driven world
- To supply up to date and accurate information to run the baling operation efficiently, Case IH balers equipped with data collection systems supply detailed and summarized data on each bale (moisture, weight and location on field) \*
- The information accurately records the bale count per field, as well as total yield, making accurate accounting and records possible
- The data can be reported via a software program, into a customizable table showing the parameters of the bale down to the minutest detail (“slice” level) or in summarized form, whatever is required
- If the tractor baler combination is equipped with an AFS 162 antennae, the bale locations are logged 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



Maintaining the lead –  
Advanced farming systems

# CUSTOMIZE THE BALER FOR YOUR NEEDS

- **Comfort package:** Treat your operators well and they will treat the machines well:  
A large dustproof toolbox designed for outdoor use in tough field conditions, a top railing for the platform and a hand wash station to clean and freshen up
- **Luxury light package** including pickup lights and knottor lights to simplify baling and servicing at night
- **Bale weighing kit** accurately measuring the bale weight. The bale weight is recorded and the operator has access to baler capacity and yields
- **The moisture sensor** measures the internal moisture of the bale by utilizing a specialized set of bale length star wheels



# SERVICEABILITY

**Don't keep yourself with tedious maintenance!** Case IH LB series balers make that task easy for you. With utterly little daily maintenance requirements which are dealt with in next to no time, you will come to the important issues quickly: getting the crops harvested for you or your customers.



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 and financing the right machine, they ensure delivery of what you need and when you need it, and then continue to back you and your equipment with the service and spare parts supply you'd expect from a name as trusted as Case IH.



## ALL THE PARTS AND SERVICE TO KEEP YOUR EQUIPMENT RUNNING

Find the full line of Case IH parts and components at your local dealer. Plus full service maintenance programmes and industry-leading warranties. It's expertise applied by skilled, factory-trained service professionals committed to providing you maximum uptime, season after season.



00800 227344 00 • 00800 CASE IH 00

## AROUND THE CLOCK. AROUND THE COUNTRY

Case IH Max Service is a customer support service that provides 24-hour, seven-day-a-week access to the people, products, and parts support needed to keep your operation running during the times most critical to your profitability. Max Service backs up your dealer with every resource available to Case IH, to help maximize uptime and productivity of Case IH equipment and increase your return on investment through access to product experts and 24/7 Emergency Breakdown Assistance.



## OFFERING FINANCIAL SOLUTIONS FOR MORE THAN 50 YEARS

CNH Industrial Capital's extensive experience in the agricultural industry has created a deep understanding of your unique needs. Competitive equipment financing with flexible payments can reduce upfront payments with operating and finance leases. For other needs, choose from credit cards specific to the agricultural industry. We can even help you finance crop-input products or land rental. There are financing options that fit the way you farm. CNH Industrial Capital helps you find them.

**VISIT OUR FANSHOP AT  
[WWW.CASEIHSHP.COM](http://WWW.CASEIHSHP.COM)**



MODELS	LB 324 STANDARD	LB 324 PACKER CUTTER	LB 324 ROTOR CUTTER	LB 334 STANDARD	LB 334 PACKER CUTTER	LB 334 ROTOR CUTTER	LB 424 STANDARD	LB 424 ROTOR CUTTER	LB 434 STANDARD	LB 434 ROTOR CUTTER
<b>BALE DIMENSIONS</b>										
Width & Height (cm)	80x70			80x90			120x70		120x90	
Maximum Length (cm)	260			260			260		260	
<b>TRACTOR REQUIREMENTS</b>										
Minimum PTO Power (kW/hp(CV))	75/102	80/110	95/130	75/102	80/110	95/130	85/114	105/141	90/122	110/150
Hydraulic distributors (single)	1	1	1	1	1	1	1	1	1	1
(double)	1	2	2	1	2	2	1	2	1	2
<b>PICK-UP</b>										
Width, effective (DIN 11220) (m)	1.98			1.98			2.23			
Gauge wheels	2, height adjustable without tools									
<b>ROTOR/ CUTTER</b>										
Maximum number of knives (depending on spec)	-	6	9 or 19	-	6	9 or 19	-	15 or 29	-	15 or 29
Knife removal	-	without tools	without tools	-	without tools	without tools	-	without tools	-	without tools
Knife activation, in - out	-	Hydraulic		-	Hydraulic		-	Hydraulic	-	Hydraulic
Knife protection	-	Individual springs		-	Individual springs		-	Individual springs	-	Individual springs
<b>FEEDING SYSTEMS</b>										
Feeder	2 packer forks 6 single tines	3 packer forks 6 single tines	Rotor Width 800mm "W" tine configuration	2 packer forks 6 single tines	3 packer forks 6 single tines	Rotor Width 800mm "W" tine configuration	3 packer forks 9 single tines	Rotor Width 1200mm "W" tine configuration	3 packer forks 9 single tines	Rotor Width 1200mm "W" tine configuration
Fork type stuffer with	4 tines	6 tines	4 tines	4 tines	6 tines	4 tines	6 tines	6 tines	6 tines	6 tines
<b>PLUNGER</b>										
Speed (strokes/min)	48			48			48		48	
Length of stroke (mm)	710			710			710		710	
<b>TYING SYSTEM</b>										
Type	Double knot type									
Twine Type	110-150 M/kg, plastic									
Number of knotters	4	4	4	4	4	6	6	6	6	6
Knotter fans and type	2 Standard									
Knotter function alert	Performance monitor and visual									
Twine ball capacity	32			32			32		32	
<b>BALE DENSITY CONTROL</b>										
Proportional 3-way control	AFS Pro 300 or AFS Pro 700 monitor controlled									
Manual override	Standard									
<b>TYRES</b>										
With single axle	600/55-22.5 or 710/40-22.5									
With steered tandem axle	500/50-17									
	-	-	620/50R22,5 154D	-	-	620/50R22,5 154D	-	620/50R22,5 154D	-	620/50R22,5 154D
<b>BALER DIMENSIONS</b>										
Length with chute raised (mm)	7570	7570	7600	7570	7570	7600	7570	7600	7570	7600
Height, single axle (mm)	3140	3140	3230	3140	3140	3230	3140	3230	3140	3230
Width (620/50 R22.5 tyres) (mm)	2580	2580	2580	2580	2580	2580	2950	2950	2950	2950
Width (710/40R22.5 R tyres) (mm)	2610	2610	2610	2610	2610	2610	2990	2990	2990	2990
Width with tandem axle (mm)	2570	2570	2570	2570	2570	2570	2950	2950	2950	2950
Weight, single axle (kg)	7250	7250	8400	7350	7350	8600	8450	9700	8650	9900
<b>OTHER STANDARD AND OPTIONAL EQUIPMENT</b>										
Automatic greasing system						Standard				
Bale release system						Standard				
Working lights						Standard				
Mud guard						Standard				
Hydraulic folding roller bale chute						Standard				
Printer						Optional				

 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.

CNH UK Ltd., Cranes Farm Road, Basildon, Essex SS14 3AD - © 2014 CASE IH - www.caseih.com - LB Big Baler-UK-BR - Free phone 00800 22 73 44 00 - Printed in Italy - 03/14 - TP01 - Cod. 12C3002/INB



[www.caseih.com](http://www.caseih.com)