

**CASE II**  
AGRICULTURE

# RB SERIES VARIABLE CHAMBER



**Better by design**

*Chevron pattern endless belts guarantee heavier, high density bales and improved productivity.*

**Easy operation**

*Operators can change the bale diameter from the comfort of the tractor seat.*

**Rolled just how you like them**

*The hydraulic density control system produces a high density bale of excellent shape.*

**Quality across the full bale width**

*Electronically controlled net and twine wrapping systems that will give sturdy, tight bales of excellent quality.*

**A soft landing**

*Bale ramp design will push the bale clear of the tailgate to ensure no surface or net damage.*

**The right combination**

*Belts and rollers give the strength and reliability to form the best bale.*



## HIGH PERFORMANCE

### Automatic bale management system

Electronic bale monitoring gives total control from the moment you start to bale and incorporates a self-diagnostic alarm system for improved operation.

### For bedding or feed

Fully tensioned belts give improved bale quality and appearance.

### Long reach packer feeder

High volumes of crop are swiftly transferred into the bale chamber with the long reach packer feeder.

### Pick-ups that boost output

The combination of a swift pick-up tine action and the flow-sustaining two-stage windguard on the packer-feeder units, provides a thin and equal crop layer. The front of the rotor feeder units can also be fitted with a crop roller.

**Powerful components.** At Case IH we listen to our customers, because we want to keep them productive especially during harvesting. That's why the two variable chamber round balers have new features that boost productivity and extend baler life.

**Multi-crop technology.** Many important features have been integrated into the new RB design, so that each model is capable of following the largest combine or baling the heaviest crop with remarkable speed and efficiency.

**Just follow the swath.** The bale size and quality can be altered and monitored from the comfort of the tractor seat and the wrapping system is unbeatable – so there's no need to worry about the crop type or conditions.

**Tough outer skin, nutritious centre.** With the superb Case IH density control system, the RB is capable of producing a highly nutritious bale of excellent shape and appearance, with a semi-rolled core that will improve feed quality and make rolling out easier.

**A wide choice of options.** The RB 454 (1.2 x 1.5 metre bale diameter) and RB 464 (1.2 x 1.8 metre bale diameter) feature simple electric or full electronic wrapping and three baling systems to suit every farming operation.

**RB 454 packer/feeder** – 2 metre pick-up, designed to suit to medium farm requiring a 1.5 metre diameter bale. Available using twine and/or net, according to market specification, to bale dry crop.

**RB 454 rotor/feeder** – 2.3 metre pick-up, for the medium sized operation offering high level productivity, requiring twine and net wrapping.

**RB 454 rotor/cutter** – 2.3 metre pick-up, for the larger operation harvesting mainly silage requiring high quality chopping net wrapping.

**RB 464 packer/feeder** – 2 metre pick-up, ideal for the smaller farm harvesting straw requiring a 1.8 metre diameter bale.

**RB 464 rotor/feeder** – 2.3 metre pick-up, perfect for the larger operation harvesting mainly straw.

**RB 464 rotor/cutter** – 2.3 metre pick-up, perfect for the contractor or larger farmer with a high capacity requirement for all crop types.

**The quickest way to the barn.** Whether it's feed, bedding or contract bales the new RB Series variable chamber round balers will have them rolled, wrapped and ready faster than the competition.

**RB variable chamber round balers.** For perfectly formed sturdy, nutritious and long-lasting bales - tightly wrapped and ready to store.



2.0m wide and 2.3m wide pick-up versions are available with a choice of optional windguard kits that can optimise performance in different crops.



Dual flotation gauge wheels offering excellent performance in all field conditions.



The flow-sustaining two-stage windguard adapts to the windrow providing a more even pressure on the crop.



## BOOSTING DAILY OUTPUT

**Baling made easy.** The wide pick-up takes all the hard work out of baling. Designed to work at the optimum height for collecting the swath, it will adjust to the changes in field conditions and crop type.

**Increasing the field performance.** RB round balers offer high performance 2.0 and 2.3 metre pick-ups that feature long life, close-spaced, steel tines to make sure the entire crop is collected from the windrow. The Flow Sustaining two-stage windguard, on the packer feeder models, has a hinged roller or plate in front that adapts in height and angle to the windrow. The windguard on the rotor models has a plate extension fitted as standard and can also be fitted with a roller kit. Two large centring augers ensure that the entire crop is delivered to the bale chamber in a smooth flow.

**Precision operation.** The pick-up features a hydraulic lift, which coupled with the spring balanced flotation system and gauge wheels ensures that fields are left clean and tidy. Adjustable pick-up height limiting chains prevent the pick-up tines digging into the ground. The windguard can also be adjusted manually when required to level an uneven swath.

**A clear view of the swath.** Operators have an excellent view of the pick-up across its entire width. This helps to maximise crop gathering and maintain bale shape.

**Less risk of soil damage.** RB balers are fitted with large flotation tyres that will keep soil compaction to a minimum, especially during headland turns.

**A sharp clean cut.** Designed as an integral part of the baling system, the rotor/cutter will produce easily distributable, high density, nutritious bales.

**Programmed for profit.** The pre-cutter can be fitted with up to 15 knives that are hydraulically controlled from the tractor and individually spring loaded to prevent unwanted material causing damage to the blades.

Available on the packer feeder models, the Flow Sustaining two-stage Windguard has a hinged front extension. It adapts to the windrow shape and volume and when it reaches its highest level, it will raise the rear part of the windguard, creating a transition area where the crop is perfectly controlled.

*An optional rotor reverser allowing the operator to back out a blockage without leaving the tractor seat.*

*Rotor/cutter for increased bale density plus greater productivity.*



*Dimpled steel rolls to aid bale rotation.*



*Chevron profiled belts assure a positive grip in all crops.*



*Patented Density control system giving a high density bale of excellent shape and appearance.*



## ROBUST, NUTRITIOUS AND LONG-LASTING

**The variable bale chamber.** Is perfect for customers who need a flexible bale size to suit their crop and storage conditions.

**Solid and durable.** The pick-up tines are made of high tensile steel and the pick-up reel drive chain has chrome pins. Together with the dual cam track they assure you can rely on the pick up for many seasons. The heavy duty steel floor roller, mounted behind the pick-up and feeding unit, supports the weight of the bale as it forms.

**A semi-rolled centre perfectly formed.** Four forming rollers are used to create the core. The fixed position starter roller and forming roller rotate below two dimpled forming rollers that pivot to produce the ideal core and assist rotation as the bale increases in diameter.

**Always clean and tidy.** To prevent the risk of any crop build-up when baling silage or cut crops, specific rollers are fitted with cleaning loops and scrapers. This is particularly useful when baling wet and sticky crops.

**Better by design.** The RB design allows for relatively short belts to be used in conjunction with the formation rollers. Six high strength chevron profiled endless belts produce perfectly formed high density bales, with outstanding weathering characteristics. Excellent belt surface grip rotates the bale as it forms, without slipping or jamming, producing a tightly packed well formed bale with a weather resistant surface. Two of the lower tailgate rollers are adjustable for continued high performance of the belts.

**Hydraulic density control.** To produce the ideal core, belt tension and core density are controlled by coil springs. As soon as the core is formed and the bale starts to grow, the belt tension and density are increased dramatically. The position of the belt tension arm is controlled by a powerful hydraulic ram.

**Density adjustment made easy.** A simple hand operated density control valve allows the operator to make precise and accurate density adjustments to suit crop conditions. During operation a pressure indicator gauge can be viewed from the cab.

**Nothing lost or wasted.** With the variable bale chamber it is possible to make a smaller sized bale when clearing the last of the crop from a field.

*The combined action of the belts and forming rollers produces optimum bale shape and density.*



Visual bale size indicator on all electric wrap and twine version balers.



A twine arm indicator shows the progress of the wrapping cycle.



Easily accessible spare net.



## TIGHTLY WRAPPED AND READY TO STORE

RB balers will ensure that once the bales are formed they are wrapped to the very edge of the bale, so that they retain the storage potential for straw bales and all the nutritional value for silage bales.

**Simplified twine performance monitor.** With this system the bale diameter is set by a simple mechanical linkage on the side of the baler and wrapping starts as soon as the preset bale size is reached.

Two telescopic twine arms mounted at the heart of the machine have two leaf springs inside the tube for quick twine starting and consistent twine tension. This provides fast and efficient wrapping for each bale in continuous spirals starting from the centre of the bale.

**Perfect edge to edge wrapping.** This fast and efficient system ensures uniform wrapping and superb bale shape. Even when the crop is wet, wilted or dry the RB will deliver long-lasting weather resistant bales time after time.

**Total efficiency to the end.** The bale ejection system rolls out the bale with enough clearance to allow the tailgate to close without interrupting baling.

**Enough wrap for a full days work.** RB balers feature front mounted net roll with additional capacity in the rear storage compartment. With twine versions, the two side mounted twine cabinets hold three rolls each, offering easy access and fast changing.

**Hours of trouble free operation.** Strong reliable shaft and chain drive systems extend the working life of the baler, with the main drive, pick-up and rollers protected by slip clutches. An automatic lubrication system is fitted to ensure that the main drive chains are continuously oiled. Access to the twine cabinet and netting roll is excellent and all major components can be easily reached via wide-opening panels that lift upwards.

*Excellent accessibility and loading of net and twine.*



*Automatic lubrication system reduces horsepower and maintenance requirements.*



## AUTOMATIC BALE MANAGEMENT CONTROL

**Performance at your fingertips.** The unique bale performance monitor gives you full control from the moment you start to bale, with twine or net available at the touch of a button.

The touchpad control system with manual or automatic modes enable you to perform all the balers major operating functions from the comfort of the tractor seat. With all essential set-up and operating data at your fingertips, fine tuning adjustments can be made on-the-move.

**Quality bales from the start.** As the bale chamber fills, sensors record the size and condition of the bale. This allows the operator to drive down any size or shape of windrow and maintain the optimum bale shape and density.

**Automatic operation.** As soon as the desired bale size is reached the bale is automatically wrapped with twine or net, ready for the operator to eject. It's simple fast and very efficient.

**The ultimate in flexibility.** With the RB electronic system, operators can choose twine or net and change the rolls within a few minutes.

**Automatic twine wrapping control.** The bale performance monitor is pre-programmed with three settings that can be selected depending on crop type and conditions, plus a fourth programmable setting available to suit individual operating preferences.

**Precision wrap control.** By using the 'wrap' key a precise amount of netting can be applied to the bale between 1.5 and 6 rotations. This will ensure that the bale is perfectly presented and wrapped from edge to edge.

**Self-diagnostic system.** Designed to instantly alert the operator should any malfunction occur in the system during the baling process.



*Fully automated bale formation and electronic bale control at the touch of a button.*



## RELIABLE RETURN ON INVESTMENT

Making a decision to purchase a piece of farm equipment bearing the Case IH brand is a wise investment in your business.

With quality-built products that perform to your expectations and business advisors to identify the most suitable equipment and finance packages, Case IH provides for a reliable return on investment.

**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.

**Protect the value of your investment.** Behind every Case IH product stands an extensive European parts logistics organisation, stocking more than 700,000 part numbers for products old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.

**Extended protection programme.** Case IH is at your side giving you the best professional solution: Safeguard from Covéa Fleet. This is the personalised insurance coverage for your Case IH machinery. Please contact your dealer for more details. Subject to status and availability. Terms and conditions apply.



**MAX - the new premium service from Case IH.** We are always ready for you, around the clock, the whole year. Express delivery: when and where you need it. You get top priority during the season because your harvest cannot wait.

**Rely on genuine Case IH Parts.** These parts comply with the same strict Case IH quality standards as all new components.

**Flexible financing solutions.** Your local Case IH dealer can work with CNH Capital to offer solutions that best fit your budget and business goals.

**MAX**  
 100% Support  
 100% Availability  
 00800 227344 00  
 00800 CASE IH 00



*The call is free. However some European Operators may apply a charge, if the call is made from a mobile phone. For any information about charge rate, please enquire in advance from your provider.*



	RB 454 PACKER/FEEDER*	RB 454 ROTOR/CUTTER	RB 464 PACKER/FEEDER*	RB 464 ROTOR/CUTTER
<b>BALE DIMENSIONS</b>				
Diameter (cm)	From 90 to 150	From 90 to 150	From 90 to 180	From 90 to 180
Width (cm)	120	120	120	120
<b>TRACTOR REQUIREMENTS</b>				
Minimum PTO power [kW / hp(CV)]	47.7 / 65	51.4 / 70	51.4 / 70	58.7 / 80
PTO protection	Slip clutch	Slip clutch	Slip clutch	Cut out clutch
Hydraulic distributors	2 Min.	2(RF)/3(RC)	2 Min.	2(RF)/3(RC)
<b>PICK-UP</b>				
Width, effective (DIN 11220) (m)	2.05	2.30	2.05	2.30
Number of tines/tine bars	112 / 4	128 / 4	112 / 4	128 / 4
Windguard type	14 tines	Adjustable floating plate	14 tines	Adjustable floating plate
Pick-up wheels	4.8 x 4 - 8 x 4pr	16.2 x 6.5 - 8 x 4pr	4.8 x 4 - 8 x 4pr	16.2 x 6.5 - 8 x 4pr
Hydraulic raise/lower	●	●	●	●
<b>FEEDING</b>				
Pick-up	2 converging augers	2 converging augers	2 converging augers	2 converging augers
Feeding system	Double crank fork	Rotor Feeder	Double crank fork	Rotor Feeder
<b>CROP CUTTER</b>				
Type	-	Rotor Cutter	-	Rotor Cutter
Maximum number of knives	-	15	-	15
Knife protection	-	Individual springs	-	Individual springs
Rotor Reverser (Needs a 4th hydr.remote valve)	-	O	-	O
<b>BALE FORMATION</b>				
Type	Rollers and belts	Rollers and belts	Rollers and belts	Rollers and belts
Pivoting formation rollers	3	3	3	3
Number of belts and belt surface	6 Endless / Chevron	6 Endless / Chevron	6 Endless / Chevron	6 Endless / Chevron
<b>ELECTRIC WRAP TWINE VERSION</b>				
Twine storage / start / pattern	6 std. + 5 opt. / automatic / centre to side			
Wrap options (turns)	14, 18, 22	14, 18, 22	14, 18, 22	14, 18, 22
<b>PERFORMANCE MONITOR VERSION</b>				
Net - System	Electronic / Direct Feed	Electronic / Direct Feed	Electronic / Direct Feed	Electronic / Direct Feed
Storage (incl. active)	2 std.	3 std.	2 std.	3 std.
Max. width net (m)	1.30	1.30	1.30	1.30
Number of wraps	Variable 1.5 - 6	Variable 1.5 - 6	Variable 1.5 - 6	Variable 1.5 - 6
Twine - Storage / Pattern / Arms	6 std. + 5 option / Centre to side / Twin, Telescoping			
Pre / Custom programmed wrap choices	14, 18, 22 / 1 variable	14, 18, 22 / 1 variable	14, 18, 22 / 1 variable	14, 18, 22 / 1 variable
End Wraps	Variable 2 - 4	Variable 2 - 4	Variable 2 - 4	Variable 2 - 4
<b>TYRES</b>				
Standard	31 x 13.5 - 15	19 / 45 - 17	31 x 13.5 - 15	19 / 45 - 17
<b>BALER DIMENSIONS</b>				
Total length (mm)	4470	4470	4750	4750
Total height (mm)	2660	2760	2900	3000
Overall width (mm)	2400	2590	2400	2590
Weight Net/Twine (kg)	2800	-	3100	-
Weight Rotor Cutter (kg)	-	3200	-	3500
<b>OTHER EQUIPMENT</b>				
Automatic drive chain lubrication	●	●	●	●
Road light equipment	●	●	●	●
Bale ramp	●	●	●	●

● Standard ○ Optional at extra cost - Not available \* Not offered in Germany

**!** 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.

