

# ROUND BALER

RB 455/465 VARIABLE CHAMBER







# PERFECTLY FORMED BALES

FOR MORE THAN 170 YEARS CASE IH HAS PLAYED A MAJOR ROLE IN SHAPING AGRICULTURE. OUR DRIVE FOR INNOVATION HAS LED US TO DEVISE ADVANCED TECHNOLOGICAL SOLUTIONS TO CONSTANTLY DRIVE UP OUR MACHINES' PERFORMANCE AND PRODUCTIVITY WHILE MAKING THEM EASY TO USE AND INCREASINGLY PROFITABLE. WE INVENTED THE POWER TAKE OFF, AXIAL-FLOW SINGLE ROTOR THRESHING AND WE PIONEERED THE CONTINUOUSLY VARIABLE TRANSMISSION; THE CASE IH HERITAGE GOES ON.

Modern farming is about efficiency and productivity. Cultivation must follow quickly after combining, so you have to collect your valuable crop fast and you want to preserve its quality; what you need is fast baling at high and consistent density and that is what Case IH variable chamber balers are all about!

## HIGH CAPACITY IN ALL CROPS

Whatever the crop, with our RB balers you finish the field in a minimum time. You can choose between Rotor Feeder or Rotor Cutter, each with a unique W-configuration design rotor that optimizes the crop flow in all conditions. The new design of the 4 or 5 bar 2.05m and 2.35m pick-ups, with roller windguard and double augers, ensures consistent and efficient feeding while leaving no crop in the field; the result - as much as 25% more capacity!

## HIGH DENSITY, HIGH QUALITY

The highly durable endless belts produce perfectly shaped bales of uniform density with clean edges. If you need extra density, the optional dual cylinders increase the pressure in the chamber, delivering up to 5% higher bale density. The density bypass automatically relieves the pressure of the belts when the tailgate is raised. Net wrapping with the unique 1.3m wide Edge Wrap duckbill system is cost effective and trouble free. The perfectly formed bale keeps its shape and is easy to stack for efficient handling and storage.

## SIMPLICITY MEANS MORE TIME IN THE FIELD

The highly reliable RB variable chamber balers are very easy to service as all daily maintenance points are easily accessible from the ground via the one-piece side panels with gas struts. This means they can spend more time in the field producing perfect bales for you!

MODEL	Bale dimensions width x max. diameter (cm)	Minimum PTO power [kW/hp(CV)]	Pick-up width (m)	Rotor No. of knives
RB 455 Feeder	120x150	48 / 65	2.05 or 2.35	-
RB 455 Rotor/Cutter	120x150	52 / 70	2.05 or 2.35	15
RB 465 Feeder	120x180	52 / 70	2.05 or 2.35	-
RB 465 Rotor/Cutter	120x180	60 / 80	2.05 or 2.35	15

# CAPACITY AND DENSITY GO TOGETHER

## RB VARIABLE ROUND BALERS— MULTI-CROP TECHNOLOGY

We integrated a multitude of features into the new RB design so that every model is capable of following the largest combine or baling the heaviest crop with remarkable speed and efficiency. The bale size can be altered and monitored from the comfort of the tractor seat and the wrapping system is unbeatable – so there's no need for you to worry about the crop type or conditions; you just follow the swath.



### MONITOR

Performance at your fingertips: intuitive control of the baler with a black/white control box or with the advanced ISOBUS compatible colour monitors – suited to all types of tractors and customer requirements.



### HIGH SPEED PICKUP

Clean pick up of all crop types: choose from the standard 4-bar or heavy duty 5-bar pickup with heavy duty tines. The new double auger option with integrated feeding roll allows high capacity baling in large windrows.





#### **ROTOR CUTTER & DROP FLOOR OPTION**

Work in comfort: choose from rotor feeder and rotor cutting versions. In the latter the 15 knives, protected from stones, can easily be replaced without using tools. The drop floor allows quick clearing of any foreign material without leaving the tractor seat.



#### **NEW BELTS**

Minimum crop losses: the endless belts keep a strong grip on the bales and with four belts losses of valuable crop are cut to a minimum.



#### **DUAL DENSITY OPTION**

High efficiency, high quality: the dual density option enables you to add extra weight to the bale, making this an industry leading high density baler. Fewer, heavier bales require less transport and storage, and promise higher silage quality.



#### **SERVICEABILITY**

Ground access: all service points can be easily reached thanks to wide opening doors that provide easy access. The baler is fitted with long life heavy duty chains which are lubricated each time the rear door is opened. Net rolls are easily changed from ground level.



# MAXIMUM CONTROL AT YOUR FINGERTIPS

Whether you use the bale performance monitor in your tractor or the Case IH AFS Pro 700 touchscreen monitor, the baler's standardized software and intuitive operator interface keeps you in total control from the moment you start to bale. You can make tuning adjustments on the move without leaving your seat and the self-diagnostic alarm system will keep you fully informed should any problem occur.

## TOTAL 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 enables you to operate all the baler's major functions. The operator interface is so clearly laid out and intuitive that even new drivers of Case IH RB balers achieve maximum productivity from the start. All essential set-up and operating data are at your fingertips, including the number of bales produced during the day, chopped or unchopped, wrapped with net or twine. The monitor provides you with the information you need to quickly resolve any service issues. In addition, once the baler is set up, you never have to change any settings, even if you use a different tractor – the control system remains the same whether you use the Case IH monitor or any ISOBUS tractor terminal.

## 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. 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 in just a few minutes.

## AUTOMATIC TWINE WRAPPING CONTROL

The bale performance monitor is pre-programmed with four settings that can be selected depending on crop type and conditions, plus a fifth programmable setting available to suit individual bale wrapping preferences. By using the 'wrap' key a precise amount of netting can be applied to the bale between 1.5 and 6 rotations. This ensures that the bale is perfectly presented and wrapped from edge to edge. A self-diagnostic system is designed to instantly alert the operator should any malfunction occur in the system during the baling process.

## TRANSPORT MODE

PTO speed, hours worked, number of bales, plus lubrication and additional operating information, can be displayed on-screen. In transport mode, the flashing warning beacon works automatically.

## BALING MODE

Above 600rpm PTO speed the screen changes automatically; the beacon is switched off and the lubrication system switched on. In baling mode, a series of automatic alarms enable the operator to monitor performance such as bale formation, wrapping cycles and bale count, as well as other baler performance data.



New black&white monitor with backlit screen suitable for cab and non-cab tractors.



**5 tine pick-up effectively pick-ups very short crop at high speeds.**



**Infeed augers for higher capacity, improved feeding and less wrappage.**



**New caster type pick-up wheel option can be flipped in transport or working position without using tools.**

# BOOST DAILY OUTPUT

You can count on the RB variable chamber balers to work at high speed with great precision, leaving no trace of crop in the field, delivering high productivity in all conditions and all crops.

## HIGH PERFORMANCE

The standard 4-bar pick-up features strengthened coiled tines that make short work of heavy windrows. The pick-up feeds the rotor feeder or cutter through an enlarged opening so that it can easily handle heavy crops.

## HIGH PERFORMANCE PICK-UP

If you want even more capacity you can opt for the high speed 5 bar pick-up, featuring a new heavy-duty rubber mounted steel tine designed to feed at high working speeds. The high capacity dual side augers feed the crop to the rotor or cutter assembly assisted by a top feeder roller for even greater capacity.

## UNSTOPPABLE DROP FLOOR

A hydraulically controlled drop floor is available on all models but standard with the rotor cutter. Control of the drop floor is from the operator's seat via the control monitor.

## ROTOR CUTTING

Designed as an integral part of the baling system, the rotor cutter will produce high density, nutritious bales. Up to 15 knives are hydraulically controlled from the tractor and individually spring loaded to prevent unwanted material causing damage to the knives.







# ROBUST, RELIABLE, LONG LASTING

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

## BALE CENTRE PERFECTLY FORMED

Four individual rollers form part of the bale chamber design, forming a small chamber to start early crop rotation.

## BETTER BY DESIGN

The RB design allows for relatively short belts to be used in conjunction with the formation rollers. Four high strength laced' 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. For exceptional high density requirements a second optional hydraulic density cylinder can be added. An easy to adjust density control valve allows the operator to make precise and accurate adjustments to suit crop conditions and customer bale density requirements. During operation a pressure indicator gauge can be viewed from the cab.



Dimpled steel rolls to aid bale rotation.



Four endless belts assure a positive grip.



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





Easy to load twine or net roll.



Additional net storage compartment at the rear optional available.



Bale kicker rolls bale away from baler to allow tailgate to close.

# TIGHTLY WRAPPED READY TO STORE

## VARIOUS FORMS OF BALE TYING SYSTEMS ARE AVAILABLE

MODEL	Twine only	Net only	Twine and net
RB 455 Feeder	•	•	•
RB 455 Rotor Cutter	-	•	•
RB 465 Feeder	•	•	•
RB 465 Rotor Cutter	-	•	•

## EASY TO OPERATE

The net and twine wrapping cycle can be started either manually or automatically from the monitor to suit individual requirements. The net or twine wrapping of the bale can easily be viewed from the tractor.

## HIGH SPEED TWINE WRAPPING

Two telescopic twine arms mounted at the heart of the machine wrap the bales with a twine fed by up to six twine rolls. The twine is placed evenly across the bale width with the ability to wrap additional twine at the end of the bale for greater bale stability. The number of twine wraps is adjustable from the monitor in the tractor cab.

## PERFECT OVER-EDGE WRAPPING

This fast and efficient net wrapping system positively places the net around the bale covering the edges of the bale. The number of wraps can be adjusted from the monitor to suit customer requirements. Even when the crop is wet, wilted or dry, the RB will deliver long-lasting weather resistant bales time after time. Depending on its specification, the baler can carry up to two spare net rolls.

## 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.





# EASY SERVICE MORE TIME IN THE FIELD

## HOURS OF TROUBLE FREE OPERATION

Strong reliable shaft and chain drive systems extend the working life of the baler, with the main drive 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.



MODELS	RB455 ROTOR FEEDER	RB455 ROTOR CUTTER	RB465 ROTOR FEEDER	RB465 ROTOR CUTTER
<b>BALE DIMENSIONS</b>				
Bale 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)]	48 / 65	52 / 70	52 / 70	60 / 80
Overall protection	Cut out clutch in pto			
PTO speed	540 / 1,000	540 / 1,000	540 / 1,000	540 / 1,000
<b>PICKUP</b>				
Width, effective (DIN 11220) (m)	2.05 or 2.35			
Number of tine bars	4 / 5	4 / 5	4 / 5	4 / 5
Windguard type	Roller			
Pickup wheels	Fixed (removeable for transport) or Caster type (fold into transport position)			
Overload protection	shearbolt			
<b>FEEDER</b>				
Pickup	Rotary	Rotary	Rotary	Rotary
Feeding system	single / dual augers	single / dual augers	single / dual augers	single / dual augers
<b>CROP CUTTER</b>				
Type	-	Rotary cutter	-	Rotary cutter
Max number of knives	-	15 retractable	-	15 retractable
Knife protection	-	spring reset	-	spring reset
Overload protection, Option	drop floor, hydr operated	drop floor, hydr operated	drop floor, hydr operated	drop floor, hydr operated
Standard	manual rotor reversing			
<b>BALE FORMATION</b>				
Type	Premium laced / endless belt and rollers and 3 pivoting rollers			
Number of belts	4 belts			
<b>WRAPPING SYSTEM</b>				
Combinations available	net & twine net only, twine only	net & twine net only	net & twine net only, twine only	net & twine net only
Max wrapping material	Net rolls: 3 (without twine wrapping) and 2 with twine wrapping Twine rolls: 6 active rolls with / without net wrapping combination			
<b>MONITOR</b>				
Baler control system	Black/white monitor or ISOBUS system with / without colour monitor			
<b>TYRES</b>				
Available sizes	380/55-17; 480/50-17; 500/55-20			
<b>OTHER EQUIPMENT</b>				
Top / low hitch	○	○	○	○
Automatic chain lubrication	●	●	●	●
Bale ramp	●	●	●	●
Pneumatic brakes*	○	○	○	○
Hydraulic brakes*	○	○	○	○
Dual density system	○	○	○	○

\* To comply with legislation and specification in your country  
● Standard ○ 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 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.

