

Press release

Case IH extends round baler range

High-speed baling with the new generation of round balers from Case IH

New round balers with variable compression chamber for efficient straw and forage harvesting / Round bales formed flexibly between 0.9 and 1.8 metres diameter / New design / Dual Density ensures high bale weight

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Harvesting green forage, silage and straw is subject to increasing harvest material prices, wider swath widths and tight time frames for working in the field. That is why efficient and high speed baling of harvest residues and forage is becoming more and more important.

It is for this reason that Case IH has now developed a new round baler with a variable compression chamber, available from January 2014.

The new RB series consists of two models - the RB 455 and the RB 465, which form bales 1.2 wide and between 0.9 and 1.5 metres in diameter (RB 455) or between 0.9 and 1.8 metres in diameter (RB 465).

Both models can be supplied with an optional rotor feeder and cutter rotor. As a result, the new RB 455/465 can be adapted to different operating requirements.

The new generation of balers can be recognised by its modern design with full-length folding doors along both sides of the baler. These enable easier access for service work, for example.

Uniform bales thanks to perfect surface

The way RB 455/465 balers work is to use a combination of flexible belts and compression rollers. Performance is greatly increased thanks to the short distance between the pickup and rotor. The dense and stable core of the bale is formed quickly using the compression rollers. The belts then ensure uniform density as the bale increases in diameter.

This is thanks to new materials and an optimised surface on the continuous belts that achieves better grip, less stretching and a longer service life. Four wider belts are used to minimise disintegration losses.

Belt tension is set using springs. Hydraulic tension is then applied as the diameter increases. As a result the compression pressure is ideally controlled.

The optional new Dual Density function enables additional mass to be compressed into the bales when required. Bales are then more cost-effective to transport and ensilability is also improved.

New pickup

The new RB series can be equipped with a 2.0 or 2.3 metre-wide, suspended high capacity pickup, which is able to collect the largest straw swaths even on bumpy ground.

As standard, the new balers feature four tine carriers with a total of 28 or 32 spring-mounted pairs of tines.

As an option, a Heavy Duty pickup with five banks of tines is available with reinforced rubber-mounted tines to handle especially difficult conditions.

The standard adjustable swath suppressor roller guarantees a smooth flow of crop.

The pickup can also be equipped with passively-steered jockey wheels as an option to protect the topsoil when cornering. These jockey wheels can be manually folded into the transport position without tools to stay within the transport dimensions.

From the pickup the crop moves into a large cross-conveyor auger that feeds the material towards the rotor, increasing the throughput of the pickup. A double feed auger - as used on our large square balers - can be fitted as an option. Two augers, one above the other, convey the high volume flow of crop into the rotor duct. The advantage of this configuration is that it greatly increases performance during the first cut and with very high quantities of straw.

High performance rotor

The chopping rotor has three rows of double tines that cut the crop uniformly with 15 knives that pivot hydraulically. This system produces a short and uniform chopped length. The knives are spring-loaded to protect them against stones and can easily be replaced without the use of tools. The knife bank is controlled hydraulically. A new drop-floor option clears any clogging in the rotor zone very rapidly and is remote-controlled from the tractor cab.

New control concept

Another new feature is the innovative control concept on the RB 455/465. The entire baling process is controlled fully-automatically using a touchscreen display. Here, for example, you can select with the tap of a finger the bale diameter at which the binding cycle should start. Various binding patterns for the twine can also be chosen by tapping the screen.

These ISOBUS-compatible balers can be controlled entirely using the monitor screen in the tractor. Two monitors are available. Users can choose between a cost-effective b/w monitor or a 4-colour TFT display.

You can supervise the filling of the compression chamber using the screen. In addition, all the relevant machine functions - such as

compression chamber filling right/left, status of the binding system, status of the feed rotor and chopper rotor, as well as job statistics - can be displayed. This makes it easier to achieve optimum bale shape and density when picking up irregular swaths.

All the functions are controlled by tapping the touchscreen display.

Optimum binding with netting or twine

When ordering your baler you can choose between netting or twine, or a combined netting and twine binding system, depending on the version. Six rolls of twine and up to three rolls of netting are transported on-board the baler.

The new Over-Edge net binding function applies netting wider than the compression chamber. This ensures that the edges of the bale are completely covered when using standard 1.2 metre-wide netting. With 1.3 metre-wide netting, the bales are covered right over the left and right edge.

In addition, double twine binding is available using two telescopic twine arms. Binding takes place automatically. The number of wraps can be set using the control monitor.

Safety first - new detail solutions

The new RB 544 features numerous new detail solutions to provide enhanced safety and convenience during operation.

All new RB balers can be driven using a 500 or 1000 rpm PTO. The main driveshaft is equipped with an automatic friction clutch.

All drive chains are permanently lubricated and the pickup is protected using a shear bolt.

Another new feature is a safety switch on the baler. This enables maintenance work to be performed on the baler's electronics system without the risk of electrical functions that could harm the service technician being switched on or triggered inadvertently.

The choice of tyres has now been extended to include 500/55-20 tyres. Larger tyres are intended primarily to provide significantly improved ground protection. Depending on country-specific equipment options, both hydraulic brakes and air brakes are available.

More information on the new RB 455/456 available online at www.caseih.com

Press releases and photos are available online at <http://mediacentre.caseiheurope.com/>.

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