NEW BIGBALER HIGH DENSITY

ALL-OUT EFFICIENCY

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New Holland has been putting the 'big' into big square baling for over three decades. Since its first big balers rolled off the production line in 1987, some 20,000 examples have been put to work in the world's fields.

Today, all BigBalers are produced in Zedelgem, Belgium, New Holland's Centre of Harvesting Excellence, where they are designed, manufactured, tested and shipped the world over.

In its quest for baling excellence, New Holland has listened to its customers and responded to the industry trend by making another revolutionary step in baling technology, entering the High Density baling segment. The new BigBaler 1290 High Density will produce bales up to 22% more dense than standard conventional balers, making for more efficient logistics & transport – ideal for professional baling contractors and bale merchants.

WHERE STYLE MEETS PERFORMANCE

THE FUTURE OF BALING STYLE

The BigBaler 1290 High Density features New Holland's next generation styling, characterised by sweeping yet aggressive lines, which convey the 'let's get it done' attitude. But it is not a case of style over function – wide opening side and front shields make for easy servicing access.

OUTSTANDING PICKUP VISIBILITY

Thanks to the balers short and narrow drawbar and its non-reflective yellow colour, operators have excellent visibility of the pick-up when baling.

HIGH DENSITY PERFORMANCE

The BigBaler 1290 High Density doesn't only produce up to 22% higher density bales, it also delivers higher productivity, even more so than the current BigBaler plus range. This is in part, thanks to the new five-bar pickup, which helps feed in crop at higher rates.

CENTRALISED CONTROL

During long baling days, small things can make a big difference, so just imagine what a significant impact big things can have. The user interface on the IntelliView™ IV colour touchscreen display has been completely redesigned to enable operators to control the main functions from the screen, including specific, direct-access 'action' buttons, which can be used to control features such as bale density, bale length and PTO engagement.

EASY ACCESS HYDRAULICS

The primary hydraulic functions can also be controlled from the cab, including bale eject, which means operators no longer need to jump in and out of the cab during bale ejection between crops, fields, farms or at the end of a days baling.

AUTOMATE TO ENHANCE PRODUCTIVITY

The BigBaler 1290 High Density features a range of automated features to enhance productivity:

- IntelliCruise™ technology, which can be used in either Charge Control Mode for maximum capacity or Slice Control Mode to obtain the desired number of slices per bale.
- The new SmartFill™ II system uses calibrated load cell sensors on the plunger to ensure uniform left-right fill, and indicates if the position of the baler needs to be adjusted in relation to the swath.

GEAR UP FOR ROBUST BALING

GETTING UP TO BALING SPEED QUICKLY

The award winning SmartShift™ gearbox features two-speed start-up technology to deliver even smoother baler engagement, which means your tractor driveline is always protected during baler engagement. How does it work? Once the PTO reaches 850rpm the easy-start feature engages the baler and automatically shifts from 1st to 2nd gear, accelerating the flywheel to a maximum speed of 1440rpm at full tractor PTO speed, one of the highest flywheel speeds in the segment. The flywheel is also significantly heavier than on BigBaler Plus models, and has a 16% larger diameter, coming in at 1080mm. But, it's not just about flywheel size, it's all to do with energy generated. Higher speed multiplied by larger size delivers 230% more energy than on BigBaler Plus models.

BUILT FOR LONG-LIFE AND DURABILITY

The new super duty main gearbox, has two drive gears driving the main output gear which means there is an increased gear to gear surface contact area for increased durability and more efficient balanced power load distribution.

HEAVY DUTY FRAME

A completely new robust frame has been designed to manage the higher density loads this baler experiences. The new main gearbox is mounted to the top beam which reduces crop accumulation underneath and increases durability. In addition, the drawbar is not part of the main frame, in order to facilitate height adjustment via the dedicated height adjustment rods, perfect when working with different tractors.

POWERFUL IMPRESSIVE PLUNGER

The plunger plays a critical role in bale density. That's why the BigBaler 1290 High Density has an improved plunger design, giving impressive results: it delivers a 748mm stroke whilst exerting an extreme plunger force – a whopping 58% more than Plus models, for even denser bales.

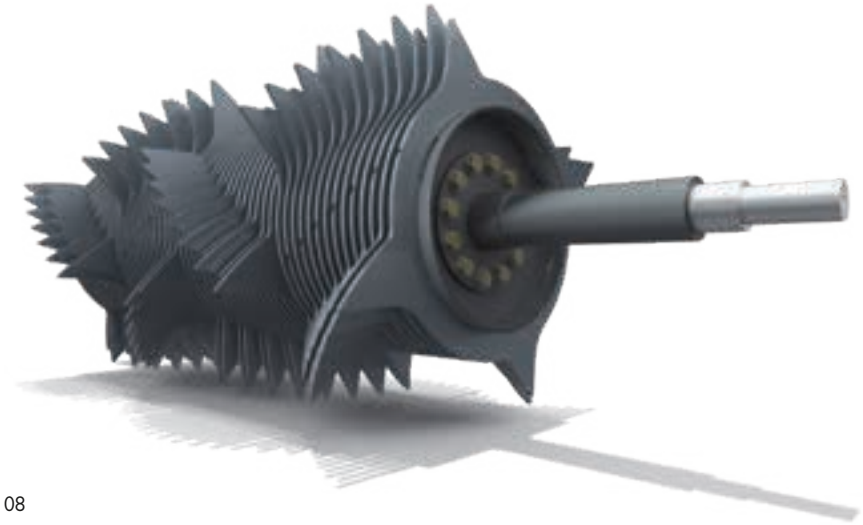
CLEARING FIELDS AT HIGH SPEED

EFFICIENT PICK-UP

The BigBaler 1290 High Density 2.35m MaxiSweep™ five bar pick-up is perfect for the widest swaths from todays' high capacity combines. Improved pickup performance at high speed and more throughput is guaranteed due to the addition of a fifth row of tines.

IMPROVED PRODUCTIVITY AND DURABILITY

The new poly material tine bands for smoother crop flow and longer lifetime of pickup tines result in improved daily productivity and less maintenance. In addition, Heavy Duty gauge wheels are available for improved durability when working in the roughest terrain.



SUPERIOR AND HIGHLY EFFICIENT 29 KNIFE CROPCUTTER™ SYSTEM

Where do you turn when you want the densest bales? To the CropCutter™ system of course! Thanks to the 29 knives with individual knife spring protection and paired rotor fingers per knife, the CropCutter™ system guarantees a controlled cutting action and superior fine cutting performance through the slice at any load. An optional hard-faced rotor is available for a guaranteed long lifetime.

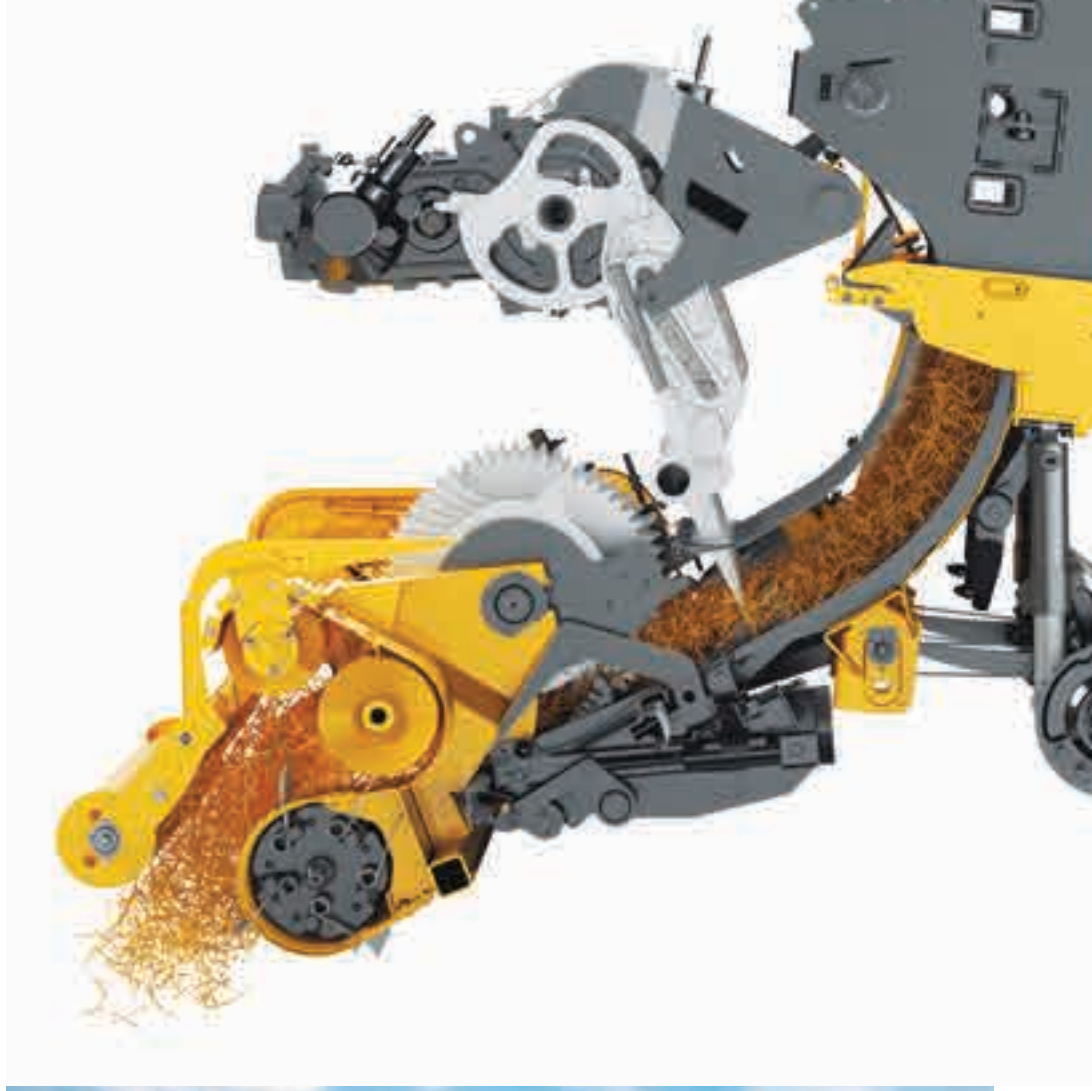
PRECOMPRESSION FOR UNIFORM BALE SLICES

The BigBaler 1290 High Density benefits from an adjustable precompression chamber technology developed for high density. Crop is fed into the chamber and held there until it reaches the correct density. Improvements have been made to the control fingers – including in terms of their construction and motion – to deliver even more consistent and higher density.

STRONG DENSITY RING

The real technology revolution in terms of delivering industry-leading density for the BigBaler 1290 High Density is the rear-mounted density ring.

The unique in the industry design featuring three double acting top-mounted cylinders and two double acting cylinders each side, to create a pressure ring which will open and close the density doors with great precision. The system also features rapid door closing, meaning you can get back baling even quicker.



LONGEST BALE CHAMBER

At 4.05 metres, the BigBaler 1290 High Density's baler chamber is the longest in the segment. This to ensure consistent productivity in terms of density and bale shape over the entire baling day even at highest ambient temperatures.

UNIQUE AND PATENTED KNOTTING TECHNOLOGY

LOOP MASTER™ KNOTTING TECHNOLOGY

The BigBaler 1290 High Density features New Holland's Loop Master™ knotting technology. Building on the brand's renowned double knotting system, the second knot is now a loop style, which is 37% stronger compare to a standard knot. This results in an up to 26% increase in overall tensile strength for reduced breakages. Perhaps more importantly however, it eliminates twine offcuts – which are currently left in the fields, and can even find their way into fodder. This might not sound much but consider that over six kilometres or 46kg of twine are saved in a 10,000 bale season.

EXTRA LARGE TWINE BOX

The new, hydraulic operated swing out extra-large twine box has been designed to accommodate 36 XL twine spools. All 36 XL twine spools can be connected simultaneously, which means you have upto 65% more autonomy and can bale some 1400 bales without reloading.

EASIER LOADING

For easy twine loading and threading, the baler's hydraulic axles can be lowered, bringing the twine box holders closer to the ground to make handling easier.

GLIDING OVER FIELDS

LARGER TYRES

Larger diameter tyres, up to 1.4 metres tall, can be fitted to the BigBaler 1290 High Density, which helps reduce soil compaction. The customer has a choice between two-wheel sizes which always stay within a 3m road width. A 600/50R22.5 and 600/55R26.5 are offered, which greatly reduces soil compaction.

min. width 2987mm

STEERABLE AXLES

The Auto-Steer tandem axle makes for more efficient turning and less field scarring. The baler's wheelbase has also been extended to deliver a best in class steering angle for even tighter turns, making for shorter headlands, as well as facilitating road transport and improved servicing access.

EFFICIENT SUSPENSION

The new hydraulic suspension system delivers improved ground following and ensures perfect weight distribution across all four wheels. In uneven terrain, when the front wheel goes up, the rear wheel goes down, which not only improves field-hugging performance, it also makes for less tyre wear.

CONNECTED SERVICE AND SUPPORT

DESIGNED WITH SERVICING IN MIND

The BigBaler 1290 High Density has been designed with easy maintenance in mind – after all, you want to spend more time baling and less time in the yard! Efficient features such as minimal daily greasing points, wide opening sides and front shield and easy access to the underside of the baler are all there. The pick-up features poly tine bands, making them quicker and easier to change. The large, flat upper service deck gives instant access to the knotter system.

TRUE DAY AND NIGHT VISIBILITY

A full LED 360° lighting package has been developed to turn night into day, and to maintain productivity and ease of operation even in the dead of night.

MYPLM® CONNECT

MyPLM® Connect enables you to connect to your BigBaler 1290 High Density from the comfort of your office and monitor over 27 machine operating parameters through the utilization of the mobile network. You can stay in touch with your machine at all times, and can even send and receive real-time information that saves time and enhances productivity.

EASY CLEANING AND MAINTENANCE

The twine box unit has been fitted with a hydraulic system, which means it can swing fully out, making cleaning even easier. It also means easier access to the inner working of the baler - facilitating eventual maintenance, such as replacing needle protection shearbolts.

Models		BigBaler 1290 High Density
Bale dimensions		
Width	(cm)	120
Height	(cm)	90
Minimum / Maximum length	(cm)	100 / 300
Tractor requirements		
Minimum PTO power	[kW/hp(CV)]	170/230
PTO speed / type		1000rpm / 20 spline shaft
Hydraulic remotes		2 x double acting & 1 x single acting or 2 double acting + Load Sensing power beyond port*
Main Drive		
Mid gearbox type		SmartShift™ 2 speed powershift
Mid gearbox features		Smooth two-speed start-up, Smart brake technology and Overload protection
Main gearbox type		Super duty twin drive gears driving the main output gear
Main gearbox type	(rpm)	1440
5 bar MaxiSweep™ Pick-up		
Width (DIN 11220)	(m)	2.35
Roller windguard		●
Feed assist auger		●
Number of double Tines / Tine diameter	(mm)	85 / 5.5
Flotation		Adjustable spring
Gauge wheels / Castering gauge wheels		● / ○
Standard tyres / HD tyres		● / ○
Pick up slipclutch protection		●
CropCutter™ system		●
No. Knives / Theoretical Cut length		29 / 39mm
Knife removal		Sliding knife drawer
Knife activation, in - out		Hydraulic
Knife protection		Individual springs
Feeding system		
Rotor		Width 1200 mm «W» tine configuration with paired rotor fingers per knife
Hard faced rotor		○
Rotor protection		Cut-out clutch
Stuffer		fork type with 6 tines
Stuffer protection		Shearbolt
SmartFill™ II system		●
Plunger		
Speed	(Strokes/min)	48
Length of stroke	(mm)	748

Models		BigBaler 1290 High Density
Tying system		
Type		Loop Master™ double knot type
Twine type		100-130m/kg grade
Number of twines		6
Knotter fan type		Electric
Number of Knotter fans		3
Electronic Bale Length / Knotter engagement system		●
Knotter function alert		IntelliView™ monitor and Knotter flags
Knotter lubrication		Grease
Twine ball capacity		36 XL
Hydraulic foldable twine boxes		●
Bale density system		
7 double acting cylinders proportional controlled		IntelliView™ monitor controlled
Electronic control system		
ISOBUS compatible		●
ISOBUS III IntelliCruise™ system		○
26.4cm colour touchscreen IntelliView™ IV monitor		○
PLM GPS data logging		○
Lights		
Standard LED work lights		Front & rear road lights, 2 x rear work lights, 1 x rotary beacon, LED strip lights on the knotter, pickup and needles
Optional LED Service lights		left and right hand side stuffer lights, left and right hand side twine box lights
Axles		
Large wheel tandem axle with Auto-Steer system	(Tyre size)	600/50R22.5 or 600/55R26.5
Hydraulic suspension		●
Brakes		
Pneumatic / Hydraulic		● / ○
Maximum travelling speeds		
Large wheel tandem axle	(Kph)	60**
Baler dimensions		
Length chute closed	(mm)	8936
Width	(mm)	2987
Height folded railing up	(mm)	3440
Height folded railing down	(mm)	3099
Weight (Empty on 600/55R26.5)	(kg)	14600

Standard equipment	Roller windguard, Automatic greasing system, Standard Bale-Eject™ system, Roller bale chute with hydraulic folding, Foldable railing
Optional equipment	Comfort pack, Partial bale-Eject™, Camera monitoring system, ActiveWeigh™ system, Moisture measuring system, Hard face knife kit, Rear bumper

● Standard ○ Optional – Not available *Depending on spec and required for Comfort pack **Pneumatic brake version only

New Holland prefers AMBRA lubricants

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