NEW BIGBALE HIGH DENSITY
ALL-OUT EFFICIENCY
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.
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 day’s 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 today's 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 standard 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. Hard-faced rotor is standard for guaranteed long life.
**LONGEST BALE CHAMBER**

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

**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.
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 compared 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 up to 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 600/55R26.5 are fitted as standard to the BigBaler 1290 High Density, which helps reduce soil compaction.

The overall road width with this tyre stays within 3m.

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

#### Bale dimensions

<table>
<thead>
<tr>
<th>Metric</th>
<th>BigBaler 1290 High Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (cm)</td>
<td>120</td>
</tr>
<tr>
<td>Height (cm)</td>
<td>90</td>
</tr>
<tr>
<td>Minimum / Maximum length (cm)</td>
<td>100 / 300</td>
</tr>
</tbody>
</table>

#### Tractor requirements

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum PTO power (kW/hp(CV))</td>
<td>170/230</td>
</tr>
<tr>
<td>PTO speed / type</td>
<td>1000rpm / 20 spline shaft</td>
</tr>
<tr>
<td>Hydraulic remotes</td>
<td>2 x double acting &amp; 1 x single acting + Load Sering power beyond port*</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (m)</td>
<td>2.35</td>
</tr>
<tr>
<td>Feed assist auger</td>
<td></td>
</tr>
<tr>
<td>Number of double Tines / Tine diameter (mm)</td>
<td>85 / 5.5</td>
</tr>
<tr>
<td>Flotation</td>
<td>Adjustable spring</td>
</tr>
<tr>
<td>Gauge wheels</td>
<td></td>
</tr>
<tr>
<td>HD tyres</td>
<td></td>
</tr>
<tr>
<td>Pick-up slipclutch protection</td>
<td></td>
</tr>
</tbody>
</table>

#### CropCutter™ system

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Knives / Theoretical Cut length (mm)</td>
<td>29 / 3mm</td>
</tr>
<tr>
<td>Knife removal</td>
<td>Sliding knife drawer</td>
</tr>
<tr>
<td>Knife activation, in - out</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Knife protection</td>
<td>Individual springs</td>
</tr>
</tbody>
</table>

#### Feeding system

- **Rotor**: Width 1200 mm e Wa- 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
- **SmartFE™ I system**:

#### Plunger

- **Speed (Strokes/min)**: 48
- **Length of stroke (mm)**: 748

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### Models

#### Tying system

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Loop Master™ double knot type</td>
</tr>
<tr>
<td>Twine type</td>
<td>100-130m/kg grade</td>
</tr>
<tr>
<td>Number of twines</td>
<td>6</td>
</tr>
<tr>
<td>Knitter fan type</td>
<td>Electric</td>
</tr>
<tr>
<td>Number of Knitter fans</td>
<td>3</td>
</tr>
<tr>
<td>Electronic Bale Length / Knitter engagement system</td>
<td>IntelliView™ monitor and Knitter flags</td>
</tr>
<tr>
<td>Knitter function alert</td>
<td>IntelliView™ monitor</td>
</tr>
<tr>
<td>Knitter lubrication</td>
<td>Grease</td>
</tr>
<tr>
<td>Twine ball capacity</td>
<td>36 XL</td>
</tr>
<tr>
<td>Hydraulic foldable twine boxes</td>
<td></td>
</tr>
</tbody>
</table>

#### Bale density system

- **7 double acting cylinders proportional controlled**: IntelliView™ monitor controlled

#### Electronic control system

- **ISOBUS compatible**: 
- **ISOBUS III IntelliCruise™ system**: 
- **264cm 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 knitter, 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)**: 600/55R26.5
- **Hydraulic suspension**:
- **Brakes**: Hydraulic
- **Maximum travelling speeds**: Large wheel tandem axle (Kph) 40

#### Baler dimensions

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length chute closed (mm)</td>
<td>8936</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>2979</td>
</tr>
<tr>
<td>Height folded raling up (mm)</td>
<td>3410</td>
</tr>
<tr>
<td>Height folded raling down (mm)</td>
<td>3099</td>
</tr>
<tr>
<td>Weight (Empty on 600/55R26.5) (kg)</td>
<td>14600</td>
</tr>
</tbody>
</table>

#### Standard equipment

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

#### Optional equipment

- Moisture measuring system

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator’s Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

Visit our website at: [www.newholland.com](http://www.newholland.com) - tel: +61 2 9673 7777
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The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications - Printed in Australia - NHBBHD2020