

VARIABLE CHAMBER ROUND BALERS

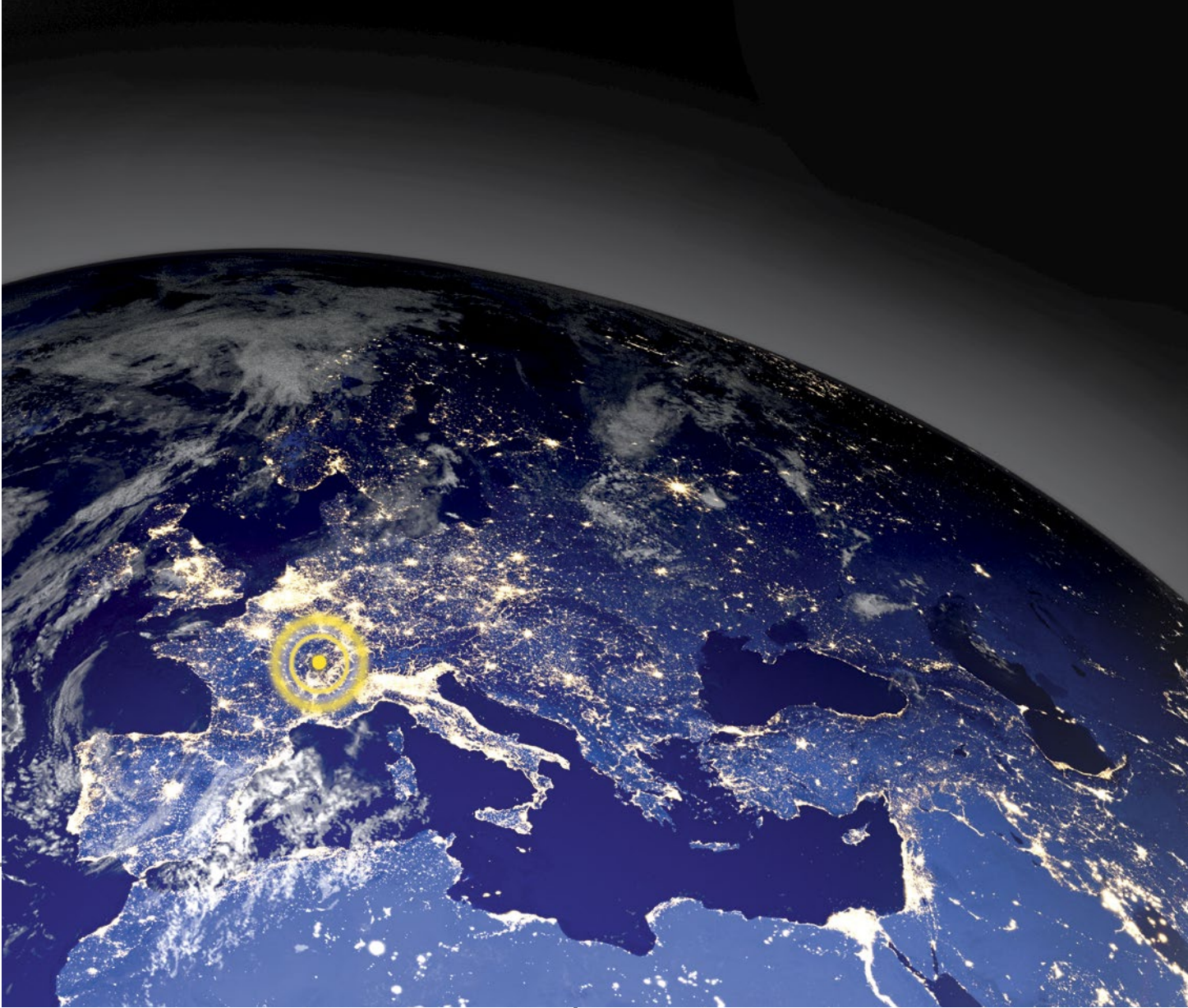
DEDICATED TO VERSATILITY



JOHN DEERE

NOTHING RUNS LIKE A DEERE

WORLD CLASS QUALITY AT WORK FOR YOU



John Deere variable chamber round balers are manufactured in Europe by a dedicated professional team located at Arc-lès-Gray in France. Advanced technologies ensure efficiency and ease of operation.

The first in a long line of reliable and efficient John Deere balers was manufactured over 60 years ago. Since then we have delivered more than 350,000 units to satisfied customers all over the world.



V451G

Our established tradition of producing high quality agricultural machinery is continued with the new range of variable chamber round balers. Whether you are looking for sophistication or simplicity, there's a John Deere variable chamber round baler that's right for you and your operations.



V451M/V461M



V451R/V461R

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DEDICATED TO VERSATILITY

RANGE AND CHOICE

Whether you are a contractor with a diverse set of customers, or if your own operation's size and structure requires versatility, we've built a baler just for you. Whether you produce straw, hay, haylage or silage – a lot of one, or some of everything, you can pick your winner here. The G, M and R balers are the versatile round chamber balers you need.



Productivity



Straw



Hay



Silage



V451G

Easy and economical. Simple and robust.

- Ideal for regular use
- Excellent value
- Performs best with dry crops



V451M/V461M

Multicrop versatility. Efficient operation.

- Low to frequent, versatile use
- High specification build quality
- Multicrop performer
- 1.65/1.85 m max. bale diameter



V451R/V461R

High capacity. Heavy duty design.

- More than 30 tons/hour in straw
- Proven extra high density
- Premium specifications
- Excellent for all crops

MORE THAN YOU EXPECT

QUALITY AND RELIABILITY



We never stop working to keep our balers ahead of the field. Welcome to one of the most productive and rewarding baling experiences available today.



MORE BALE WEIGHT

- 1.21 m bale chamber width
- Up to 1.65/1.85 m maximum bale diameter
- Very high bale density – adjustable



MORE CROP QUALITY

- From 40 mm knife spacing
- Singly protected, double heat treated knives
- Exceptionally low ground pressure and soil compaction
- Softcore as standard



MORE VERSATILITY

- Cam track design
- 3 starting rolls in bale chamber
- Large diameter belt driven rolls



MORE PRODUCTIVITY

- Big drum pick-up on all balers
- Industry-leading feeding system
- Up to 180 hp machine capacity



MORE ROBUSTNESS

- Oversized bearings, optimally sealed
- Cast T shape gearbox teamed to simple driveline
- High spec materials: Hardox® steel rotor tines, stainless steel shields and pick-up strippers



MORE OPERATIONAL UPTIME

- Superb in driest straw and wettest silage
- Unique unplugging system
- Minimal maintenance, easy installation



COMPACT BALERS, BIG VALUE

G AND M SERIES BALERS OVERVIEW

The G and M Series balers are the optimal choice for regular, versatile use.



1 | FEEDING SYSTEM

Wide, high capacity, high performance pick-ups let you bale heavy windrows faster.

2 | ROTOR

High Capacity Rotor: 480 mm converging auger diameter welded on rotor tube for max intake performance without plugging.

3 | CHAMBER SIZE

Adjustable bale diameter in a 1.21 m bale chamber width for maximum bale weight.

6 | SIMPLIFIED DRIVELINE

T shaped main gear box drives only 4 chains – straightforward design to facilitate quick and easy maintenance.

7 | NET SYSTEM

Easy to install from ground level, net rolls are switched out in less than a minute without tools.

8 | TYRES

Wide flotation tyres minimise soil compaction and damage.



YOUR BUSINESS, YOUR CHOICE

Whether you choose a G or M Series baler – you're picking a winner that's perfect for your specific requirements.

4 | CHAMBER TECHNOLOGY

Three powered fixed rolls and large diameter belt driving roll for exceptional multicrop performance

5 | HEAVY DUTY MATERIALS

High spec materials featuring components like Hardox® wear plate tines, for exceptional reliability.

9 | EASY MAINTENANCE

Excellent access and easy maintenance features like low greasing intervals and chain auto-lube system.

10 | LOWER COSTS

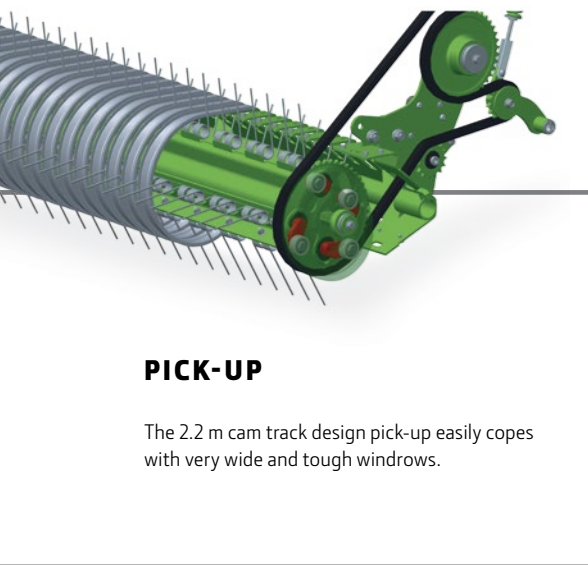
High density bales that stay in shape – savings of up to €0.80/t of hay baled.

ROBUST AND STRAIGHTFORWARD

V451G

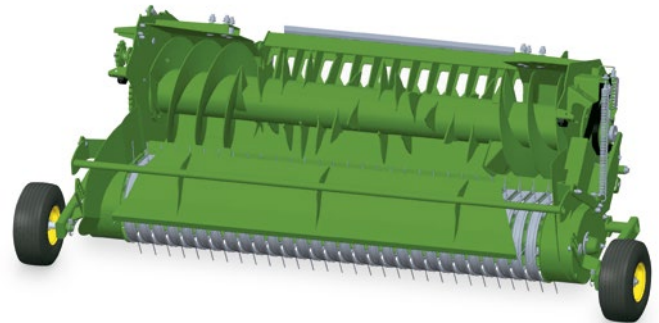


The V451G will always rise to the occasion. A reliably steady low volume day to day use performer, it will step up to speedy high capacity performance when required.



PICK-UP

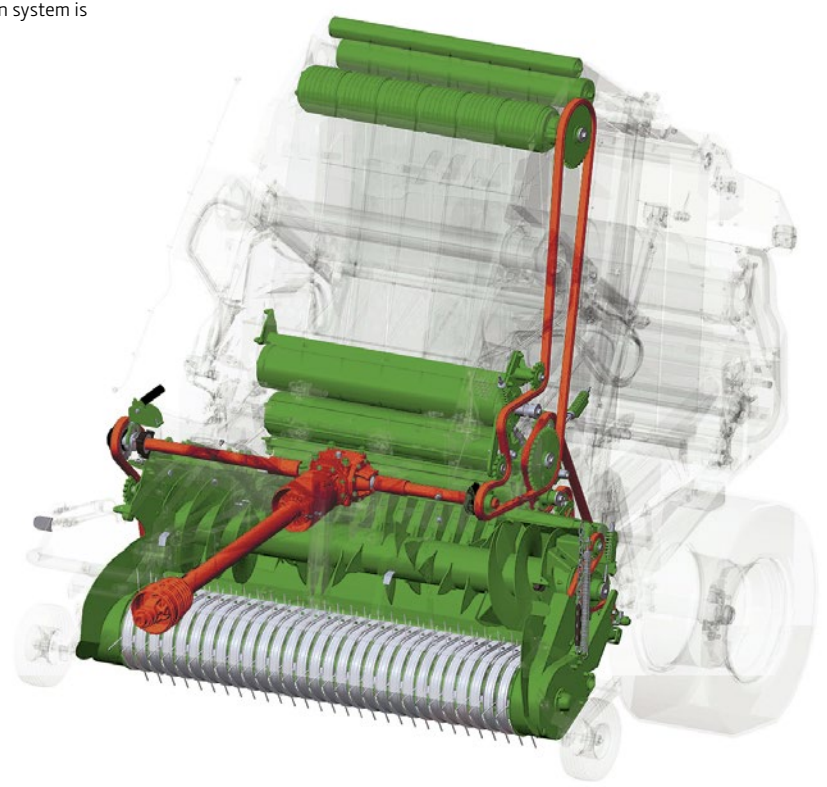
The 2.2 m cam track design pick-up easily copes with very wide and tough windrows.



Rust-resistant galvanized pick-ups with Hardox® tines for extra durability.



We assembled all greasing points in centralised banks for easy access. The automatic chain lubrication system is optional.



Less is more. The straightforward design with only 4 chains means exceptional durability.



FROM GOOD TO GREAT

V451G

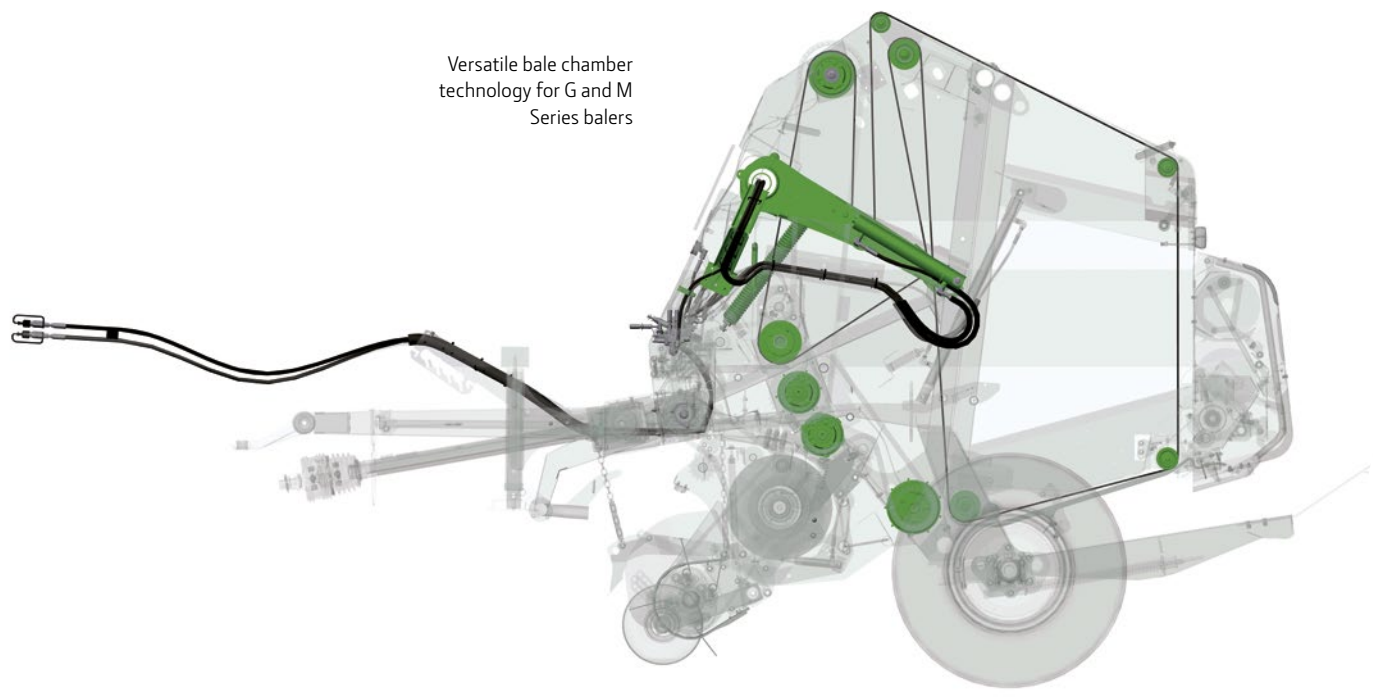
Like every variable chamber baler, the V451G baler features a formation chamber with flat belts and a belt tensioner, but that's where good ends, and great begins: An extra heavy duty welded frame, a feeding system with a larger diameter pick-up for thorough, speedy pick-up, plus a specially designed bale chamber for superior control of bale dynamics.

HEAVY DUTY COMPONENTS

Doubled large 50 mm bearings with enhanced seal protection for extended machine life and peace of mind.



Versatile bale chamber technology for G and M Series balers



EASY BALE STARTING

Reliable, easy bale starting no matter which crop you're baling.

PROVEN BELT SYSTEM

Six belts with perfect tracking for all crops and conditions. Lacers allow quick in-field repair.

HIGH BALE WEIGHT

1.65 m maximum bale diameter in a 1.21 m wide chamber allows you to maximise bale weight for straw or hay.

STANDARD SOFTCORE SYSTEM

Keeps the bale centre soft, which allows the crop to breathe and dry more efficiently.

EVEN TENSION

High density for every bale diameter thanks to a dedicated, independent pair of density cylinders.

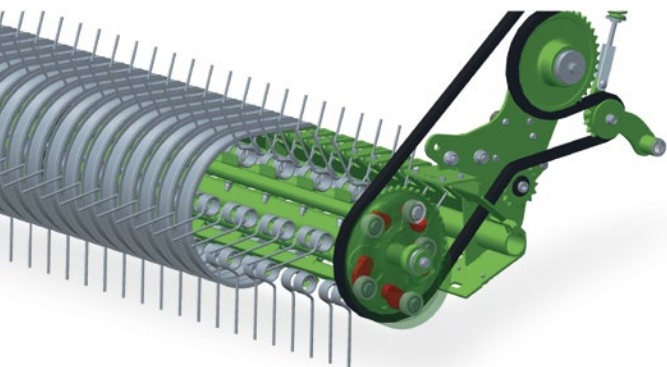
MULTICROP VERSATILITY. EFFICIENT OPERATION.

V451M, V461M



True multi-crop baling for medium volume use and where speed is essential. Packed with features it's a high value package that will perform reliably, year after year.

Available as an option, the five-tine bar premium 2.20 m pick-up features 6 mm diameter tines, tubular tine bars and stainless steel strippers to deliver peerless performance over a long life.



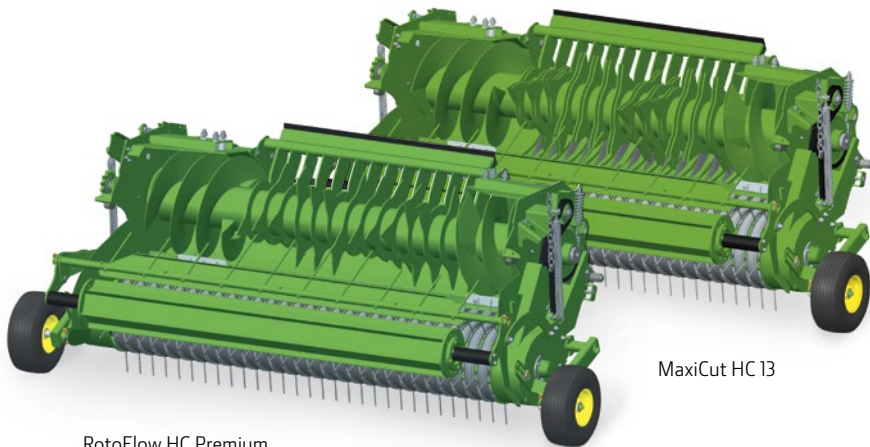
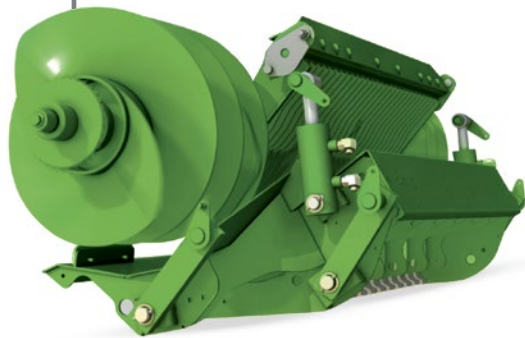
ROTORS – YOUR CHOICE

RotoFlow HC Premium is a rotary feeder with durable Hardox® tines for even crop distribution, wet or dry. MaxiCut HC 13 Premium is a universal solution for silage, with double Hardox® fingers on the rotor that sweep the crop against the individually spring loaded 80 mm spaced knives. Standard with MaxiCut HC13 Premium, a second large diameter belt driven roll facilitates bale rotation in wet grass silage conditions. Also available as an option with RotoFlow HC Premium.



DROP FLOOR

The standard drop-floor unplugging system uses a parallelogram mechanism to eliminate clogging on converging augers.



RotoFlow HC Premium

MaxiCut HC 13

STAY FOCUSED

V451M, V461M

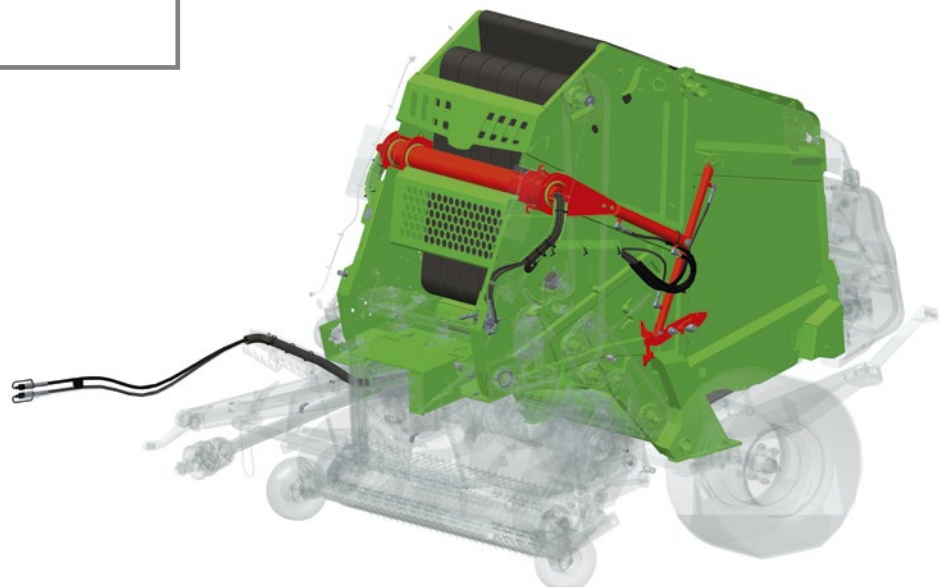
Days can get long during the baling season and there is no time to waste. That's why we have integrated several convenience features that allow you to focus on what counts: producing perfect bales as quickly as possible.



MONITOR CHOICES

The V451M/V461M can be operated and controlled with a wide range of available monitors, such as Baletrak Plus or Implement Display 1100 (limited availability).

In the V451M and V461M, a dedicated pair of cylinders applies force to the density arm while mechanical hooks firmly lock the tailgate in the closed position. Damper cylinders minimise shocks at the end of the motion.





We assembled all greasing points in centralised banks for easy access. The automatic greasing system is optional.

Easy to install from ground level, net rolls are switched in less than a minute without tools. Even in the dark – bright, integrated LED lighting makes working at night just as comfortable as during daylight hours.

THE ELEMENTS OF EXCELLENCE

R SERIES BALERS OVERVIEW

High volume, high quality, premium features. The R series balers mean business, with the highest specifications available.



1 | FEEDING SYSTEM

High capacity, high performance 2.2 m wide feeders let you bale heavy windrows faster

2 | DROP FLOOR

Hands-free unplugging. The wide hydraulic drop-floor clears even the worst blockage with ease.

3 | BALE CHAMBER

3 powered fixed rolls and 2 large diameter belt driving rolls inside the chamber for top performance.

6 | DRIVELINE POWER

The integrated driveline with its T shape gear box delivers up to 180 hp for maximum power and speed.

7 | NET SYSTEM

Easy to install from ground level, net rolls are switched in less than a minute without tools.

8 | FLOTATION TYRES

Choice of tyres up 600/55-22.5 are available to minimise soil compaction and damage.



TRUE MULTICROP VERSATILITY

No matter what crop you are baling or how much of it, the R Series balers have got it all covered. Heavy duty design and premium specifications make sure of it.

4 | TOP SPEED

Less than 5 seconds to unload a bale and close the rear curtain means more than 2 bales a minute.

5 | HEAVY DUTY

Five tubular pick-up teeth bars mounted on sealed ball bearings, HD Diamond Chains, Hardox® wear plate rotor tines and stainless steel pick-up strippers.

9 | EASY MAINTENANCE AND ACCESS

Monobloc side gullwing doors with lights, automatic bearing greasing and chain auto-lube systems, crop accumulation prevention.

10 | HIGH DENSITY

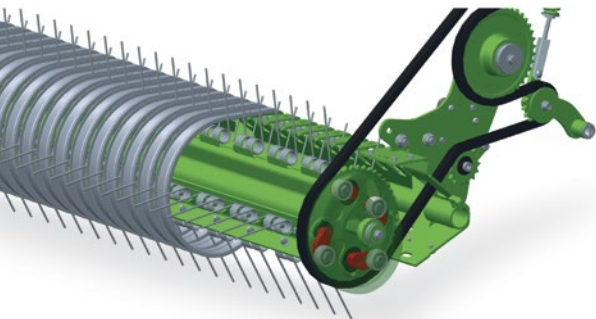
As verified in a third-party test by DLG, the density can reach close to 130 kg/m³ in very dry straw conditions.

BALE IN THE FAST LANE

V451R, V461R



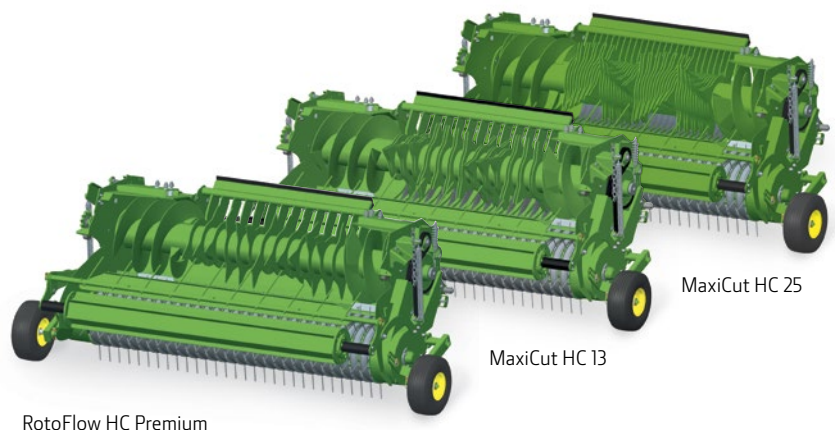
Add a lot more bales to your day, even if you call it a day a little earlier – our revolutionary Fast Release System (FRS) in conjunction with the High Capacity feeding system makes it possible, to the tune of more than 120 bales per hour. Available with either the MaxiCut HC 25 Premium, the MaxiCut HC 13 Premium or RotoFlow HC Premium feeding systems, the V451R and V461R feature a full frame design in which the belts are linked to the frame, not the bale chamber. The independent MaxD bale chamber sits inside the frame so that its sides can move and slide out to create the fastest release system we've ever built.



PREMIUM PICK-UP

The five-tine bar 2.20 m heavy duty pick-up delivers top tier productivity for large operations.

Select from a choice of high capacity premium rotors – non-cutting or cutting – with various knife sets and spacings from 40-80 mm.



RotoFlow HC Premium

MaxiCut HC 13

MaxiCut HC 25



STAY SEATED

Fully control the V451R and V461R balers from the convenience of the cab with ISOBUS displays.



Two, 576 mm wide, endless belts provide high density and perfect bale coverage for all crops. A high efficiency belt tracking system ensures perfect belt guidance under any conditions. Three chamber rolls ensure perfect bale turning regardless of crop moisture content.

HIGH SPEED DENSITY

V451R, V461R

Rock-hard, super-dense and perfectly formed round bales of concentrated energy. That's what our variable chamber balers churn out, day after day, season after season.

5 SECOND UNLOADING – THREE TIMES FASTER

Featuring high speed tailgate cylinders and moving side sheets that stretch the bale chamber by 10 cm when unloading, these balers save one whole minute for every six bales.

STRESS-FREE OPERATION

The 451R and V461R balers come with Tractor Baler Automation as standard. This award-winning feature allows monitoring, regulating and coordinating baler functions from a tractor equipped with Tractor Implement Automation via the ISOBUS connection. Essential for stress-free operation during high-speed baling.



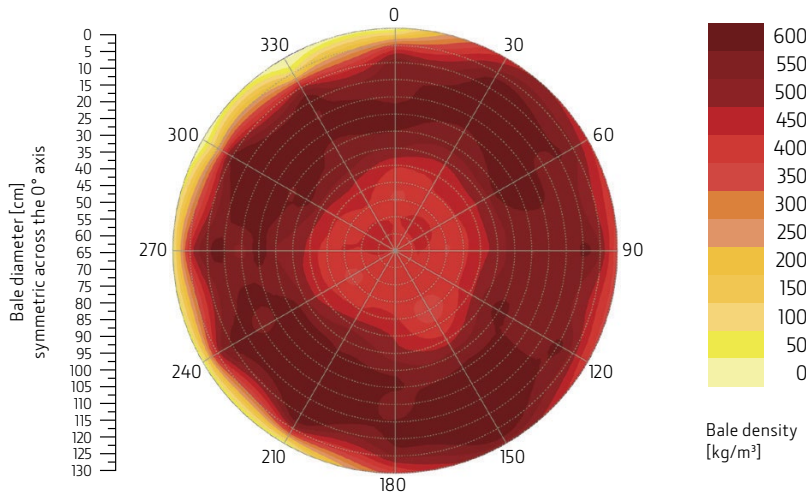
Fully automated baling process

Re-engage reverse and Start ▶ Filling chamber ▶ Bale size reached ▶ Stop tractor ▶ Automated tying ▶ Open gate ▶ Bale ejection ▶ Close gate





Overall, the round baler was able to convince by delivering a high bale density, a high throughput and a very homogeneous and cylindrical bale form, even for bales with a lower density. The uniform and symmetrical bale density distribution especially contributes to a good forage quality for silage bales.*



Date:	June 23, 2012
Harvested crop:	Grass silage
Bale number:	12
Bale weight:	786 kg
Bale density:	505.8 kg/m ³
Bale diameter:	127 cm
Bale width:	123 cm
Dry matter content:	68.8%
Density setting:	100%
Number of knives:	13
Driving speed:	14.3 km/h

*DLG Test Report 6112F, April 2014

BALE VALUE BOOSTERS

CROP PACKAGING SOLUTIONS

John Deere crop packaging products enhance the performance of your John Deere baler and provide you with the very best protection for your bales.

B-WRAP

Barn-quality bales without the barn: Outside, our unique John Deere B-Wrap protects your valuable crop from rain and snow and helps reduce ground moisture. B-wrap is an exclusive John Deere product.

XTRANET

Bale all day for less. Designed specifically for your baler, with easy loading system. Strong, long and wide.

COVEREDGE – THE ORIGINAL

The authentic leading edge protection. The net covers the bale edge, eliminating bale “shoulders”.

XTRAFILM STRETCHWRAP

Clings and protects better, now longer. Powerful airtight seal, strong UV inhibitors and exceptional resistance to punctures and tears.



The secret behind B-Wrap is an innovative material featuring SCM technology – keeping bales dry and moisture and mould out.

- 1 | Water Vapour Escapes
- 2 | Blocks Ground Moisture
- 3 | Water and Snow Resistance
- 4 | UV Protection



John Deere B-Wrap



XtraNet, CoverEdge



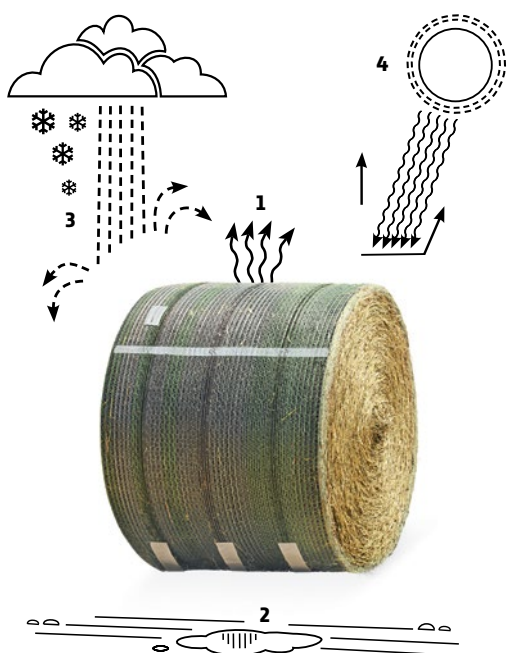
OPTIMISING PRODUCTIVITY

CONNECTED FARM MANAGEMENT

The John Deere Operations Centre on MyJohnDeere.com is the central platform for connecting your machines, operators and fields. It's easy to use, easily accessed from anywhere, on any device and lets you view, edit and share data for full fleet connectivity.

MyJobConnect is our easy-to-use job management solution which connects to the John Deere Operations Centre. It includes the MyJobsManager and MyJobs mobile apps.

MyJobConnect Premium also includes the MyLogistics app for enhancing overall operational efficiency.



SPECIFICATIONS

	V451G	V451M
BALES		
Diameter (m)	1.0-1.65	1.0-1.65
Width (m)	1.21	1.21
PICK-UP		
Width (m)/(DIN m)		2.00 m (1.86 m DIN)
	2.20 m (2.12 m DIN)	2.20 m (2.12 m DIN)
Tines bars	4	4 or 5 (2.20 m only)
Crop compressor	Compressor shield	Compressor shield or compressor roll
Gauge wheels	Fixed	Fixed or castor action
ROTOR FEEDER		
Type / number of knives	RotoFlow HC / No knife	RotoFlow HC Premium / No knife MaxiCut HC13 Premium / 13 knives
Knife set	-	0/13
Unplugging system	Manual wrench + rotor clutch	Full width drop floor with parallel kinematic
BALE CHAMBER		
Type	6 laced belts + 2 front rolls + starter roll	6 laced belts + 2 front rolls + starter roll
Belts driving rolls	1	1 or 2 (option with rotoFlow HC premium, standard with MaxiCut HC13 Premium)
Density setting	From the baler	From the baler (BaleTrak plus) or from the monitor (Implement Display 1100)
Softcore	0% density/diameter adjustable from the monitor	0% density/diameter adjustable from the monitor (Baletrak plus) or density and diameter fully adjustable from monitor (Implement Display 1100)
NET BINDING		
Net system	Standard – on baler tailgate Fully adjustable from monitor	Standard – on baler tailgate Fully adjustable from monitor
Boarding capacity	2 rolls	2 rolls
B-Wrap	-	Option
TWINE BINDING		
Twine system	Option – 2 independent arms	Option – 2 independent arms
Boarding capacity	8 twine spools	8 twine spools
BALE EJECTION		
Ejection	Traditionnal tailgate	Traditionnal tailgate
Bale dumping	Option – unloading ramp	Option – unloading ramp
Tractor Baler Automation	-	-
POWER TAKE OFF		
PTO security	Shearbolt or camclutch	Camclutch
PTO speed and capacity	540 RPM – 102 kW	540 RPM – 113 kW
DISPLAYS		
Type	BaleTrak Easy or BaleTrak	Baletrak Plus or Implement Display 1100
MAINTENANCE		
Automatic chain lubrication	Option	Standard
Grease bank	Standard	Standard
Automatic bearings greasing	-	Option – cartridge system
TYRES		
Tyre size	15/55-17 500/50-17	15/55-17 500/50-17 500/55-20
MINI POWER REQUIREMENT		
kW (hp)	100 hp	100 hp (no knife – knives not engaged) 110 hp (13 knives engaged)

V461M	V451R	V461R
1.0-1.85	0.8-1.60	0.8-1.85
1.21	1.21	1.21
2.00 m (1.86 m DIN)		
2.20 m (2.12 m DIN)	2.20 m (2.12 m DIN)	2.20 m (2.12 m DIN)
4 or 5 (2.20 m only)	5	5
Compressor shield or compressor roll	Compressor roll	Compressor roll
Fixed or castor action	Fixed or castor action	Fixed or castor action
RotoFlow HC Premium / No knife	RotoFlow HC Premium / No knife	RotoFlow HC Premium
MaxiCut HC 13 Premium / 13 knives	MaxiCut HC 13 Premium / 13 knives	MaxiCut HC 13 Premium
	MaxiCut HC 25 Premium / 25 knives	MaxiCut HC 25 Premium / 25 knives
0/13	0/13 or 0/12/13/25	0/13 or 0/12/13/25
Full width drop floor with parallel kinematic	Full width drop floor with parallel kinematic	Full width drop floor with parallel kinematic
6 laced belts + 2 front rolls + starter roll	2 endless belts + 2 front rolls + starter roll	2 endless belts + 2 front rolls + starter roll
1 or 2 (option with rotoFlow HC premium, standard with MaxiCut HC13 Premium)	2	2
From the baler (BaleTrak plus) or from the monitor (Implement Display 1100)	From the display	From the display
0% density/diameter adjustable from the monitor (Baletrak plus) or density and diameter fully adjustable from monitor (Implement Display 1100)	Density and diameter fully adjustable from monitor	Density and diameter fully adjustable from monitor
Standard – on baler tailgate Fully adjustable from monitor	Standard – on baler front Fully adjustable from monitor	Standard – on baler front Fully adjustable from monitor
2 rolls	3 rolls	3 rolls
Option	Option	Option
Option – 2 independent arms	Option – 2 independent arms	Option – 2 independent arms
8 twine spools	10 twine spools	10 twine spools
Traditionnal tailgate	Fast Release System with moving side shields	Fast Release System with moving side shields
Option – unloading ramp	Option – unloading ramp	Option – unloading ramp
-	Standard	Standard
Camclutch	Camclutch	Camclutch
540 RPM – 113 kW	540 RPM – 124 kW 1000 RPM – 136 kW (standard with MaxiCut HC 25 Premium)	540 RPM – 124 kW 1000 RPM – 136 kW (standard with MaxiCut HC 25 Premium)
Baletrak Plus or Implement Display 1100	Implement Display 1100 or Greenstar Display 1800 or no monitor	Implement Display 1100 or Greenstar Display 1800 or no monitor
Standard	Standard	Standard
Standard	Standard	Standard
Option – cartridge system	Option – Tank system	Option – Tank system
15/55-17		
500/50-17	16/70-20	16/70-20
500/55-20	500/55-20	500/55-20
	520/55R22.5	520/55R22.5
	600/50-22.5	600/50-22.5
100 hp (no knife – knives not engaged)	100 hp (no knife – knives not engaged)	100 hp (no knife – knives not engaged)
110 hp (13 knives engaged)	110 hp (13 knives engaged)	110 hp (13 knives engaged)
	120 hp (25 knives engaged)	120 hp (25 knives engaged)

NOTHING RUNS LIKE A DEERE

Chances are that when you need us, you need us right then and there. For advice, to solve a problem or for a part, reach out, we'll be there with technicians who are factory trained and ready to go to work for you using only genuine John Deere parts and products.



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