BALERS

Zero Series Round Balers • Plus2™ Round Bale Accumulators • V451R & V461R Round Balers • C451R Wrapping Baler

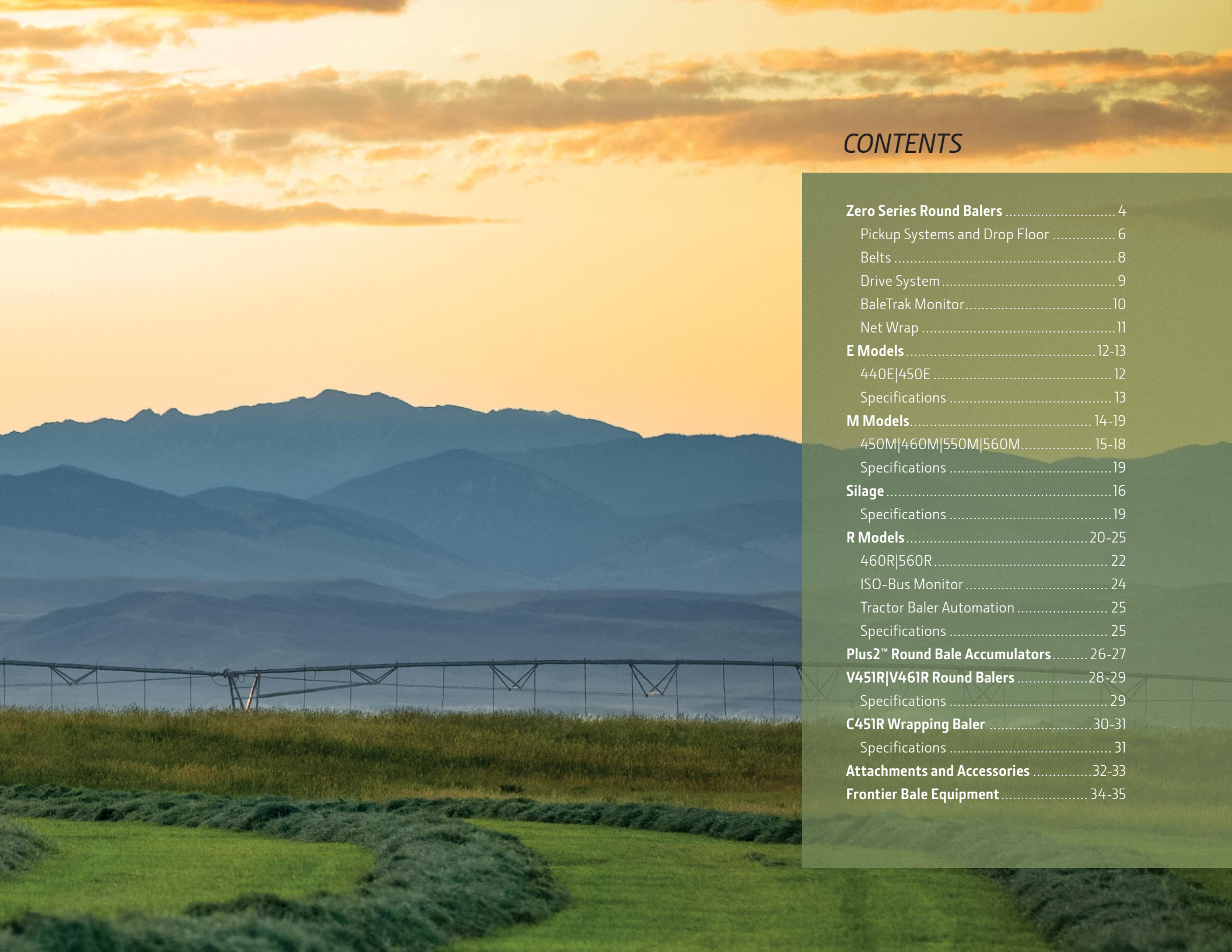
JOHN DEERE

Zero reasons to use any other baler

It's hard to pick which feature of the new Zero Series Round Balers to mention first. Maybe it's the new MegaWide™ HC² high-capacity feed system (available on M and R models). This new feed system has the ability to precut the crop as it enters the baler while delivering up to an 80% increase in tonnage per hour (compared to competitive models). And precut bales cut mixing times by as much as 58%, potentially eliminating the need for tub grinders, all while providing nutrient-rich feed that won't go to waste.

Also worth noting - improvements to aid in serviceability and add to your uptime. Centralized grease banks on select models allow you to do all the daily greasing from the ground, while the MegaWide HC² feed system features the cut out clutch design for the best driveline protection in the industry. And the new hydraulic drop floor allows you to drive with confidence in difficult conditions. If the baler plugs, lowering the drop floor clears the plugs, getting you back up and running.

Regardless of what feature matters most, you now have zero reasons to use any other baler.



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Meet the new family of quality John Deere Round Balers

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

Whether you're working with dry hay or silage, the new Zero Series Round Balers are designed to meet the demands of your operation. From our economical E models to the feature-packed R models, we engineered a family of better balers ready to fit your needs.

Just look at some of the stats:

- First round bale John Deere precutter designed and built in North America
- Up to 80% increase in tonnage per hour compared to competitive models
- 58% reduction in mixing times of precut bales
- And the industry's first 5-ft. precut round bale and round bale accumulator for 5-ft. balers

Read on to get the best baling experience.

MegaWide™: Dry and Silage

The perfect pickup for both dry hay and silage. Our MegaWide system gets its name from the wide pickup design. With a working width of 71- to 87-in. (1.8 m- to 2.2 m), the MegaWide is designed to gather more leaves and handle higher-volume windrows with ease. It's also perfect for pulling in crop in windblown and scattered crop conditions. More hay volume, more bales per hour.

An important component of the MegaWide pickup is the rugged MegaTough™ teeth. Measuring in at nearly double the size of standard teeth and located at both ends of the pickup, Mega teeth are larger and stronger than conventional teeth and can lift the heaviest of windrows with ease.

Another feature of the MegaWide worth noting - the rotor feeding assembly. Mounted behind the pickup and fixed to the baler frame, this design allows for smooth and even crop flow into the bale chamber. The large-diameter converging augers allow for high crop flow capacity, and auger scrolls help force crop into the bale chamber.

Enjoy the experience of easier baling and increased productivity.

Field to Feed Solution: *The new feeding system in the MegaWide HC² provides positive crop engagement so more leaves make it into the bale. More leaves equal more nutrition...and more nutrition makes for a healthier herd.*

MegaWide™ HC²: High Capacity + Cutting

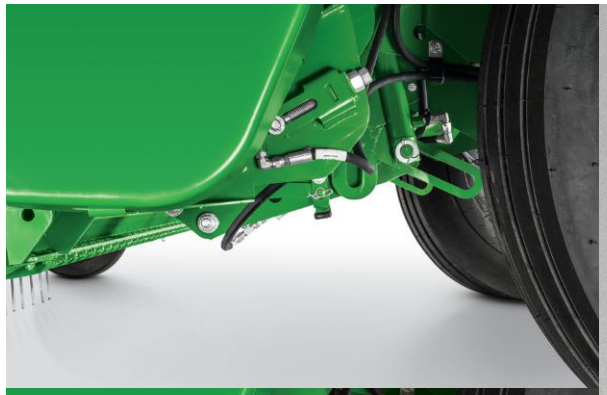
There's no question. The most notable feature of the new Zero Series Round Balers has to be the MegaWide HC² feed system, available on both 4- and 5-ft. round balers - **an industry first**. Deriving its name from the high-capacity and cutting capabilities (HC²), this machine delivers incredible numbers that really add up.

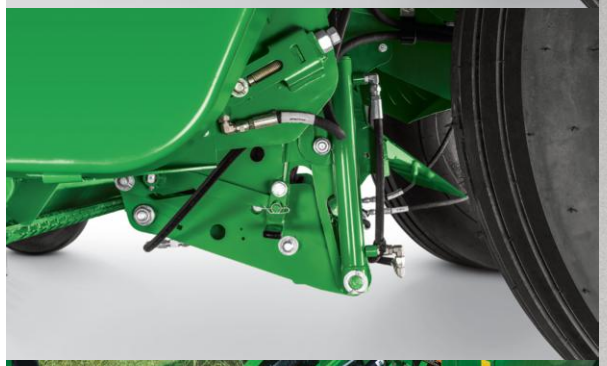
- Tonnage per hour increases by up to 80%
  (compared to competitive precutter models)
- Mixing times cut by as much as 58% with precut bales

Balers equipped with the MegaWide HC² also have the possibility of eliminating the need to grind your hay. If you tub grind dry hay, you know that even the slightest breeze can blow away much-needed nutritional value. When you bale and precut with the MegaWide HC², you're putting what's in the windrow into the bale. Smaller, more nutritious pieces makes for a happier herd and less waste. Eliminating the need for a tub grinder also helps eliminate the additional cost of owning or contracting tub grinding service. And with precut hay, you'll have the added flexibility and convenience to make rations since the crop is already precut.

And you'll appreciate the wider pickup on our 4-ft. balers equipped with the MegaWide HC² feed system. The 7.22-ft. (2.2 m) wide pickup is 20% wider than previous models for improved crop pickup in extreme conditions.

Its potential is unprecedented.



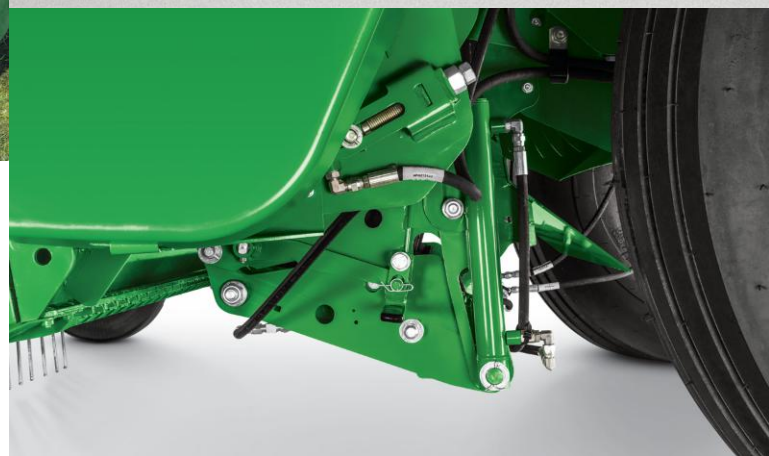


WIDTH | MODELS	4 X 4 | 440E	4 X 5 | 450E, 450M	4 X 6 | 460M, 460R	5 X 5 | 550M	5 X 6 | 560M, 560R
PICKUP					
Standard	Yes	Yes	Yes	Yes	Yes (560M only)
MegaWide™	Yes	N/A	Yes	Yes	Yes
Megawide HC²	N/A	Yes (450M)	Yes	N/A	Yes

Hydraulic Drop Floor: Pull the plug on downtime

Balers equipped with the MegaWide HC² feed system will also get the benefit of our hydraulic drop floor system. This innovative design allows you to clear plugs from the comfort of the cab in a matter of seconds, instead of the 15-30 minutes it used to take. Now you can push your machine to its limit and run as fast as the crop and conditions dictate.

In addition to the self-clearing drop floor, all machines equipped with the MegaWide HC² also feature the cut out clutch. Previously only available on premium balers prior to the Zero Series, the cut out clutch works by automatically disengaging in the event of a plug and spinning freely until the tractor idles down. Compared to a friction clutch, the cut out clutch spins freely until the PTO is shut off and re-engaged. This generates less heat and reduces maintenance issues typically experienced with friction clutches.



DiamondTough™ Belts: Only the strong provide

The John Deere DiamondTough triple-weave belts provide the strongest reliability in the business – a feature you'll appreciate when you consider the costly downtime that comes from torn belts.
So what makes our belts special? They're designed using a patented triple-weave process of nylon and polyester to give you the strength and durability you need for handling heavy loads consistently. They're also puncture and tear resistant for greater belt life – rocks or other foreign objects are brushed aside with ease. And sturdy, high-tensile-plate splices bind the belts for a powerfully stable connection you can rely on season after season.

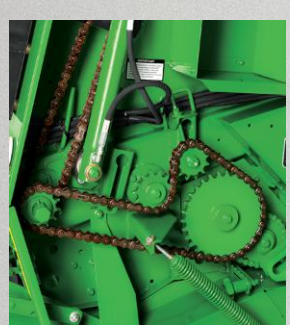
Your crop is in excellent hands. The DiamondTough belts surround the width of the bale to reduce crop loss and maintain crop quality. Check out the diamond-tread pattern ... it allows the belts to handle crop gently to make sure your bales stay packed with nutrients. And our staggered belt roll redeposits loose material from under or behind the belts back towards the pickup, and into the bale chamber. More importantly, DiamondTough belts are self-cleaning – the only belts in the industry that are – to reduce carryover and prevent crop buildup, so you get the same quality crop handling on every bale.

Drive System: Smooth, worry-free operation

What's more, the Zero Series offer fewer drive chains than competitive round balers – fewer chains mean fewer adjustments and less wear components to worry about – helping to increase overall efficiency and reliability.

And our heavy-duty drivelines are built with an 80-degree constant-velocity joint, allowing tight, effortless turns and carefree travel over rough terrain.

About those busy workdays … feel free to work as long as necessary. The service interval on the Zero Series balers is 30 hours. Compared to some of our older balers, that's more than 20 additional hours of baling without stopping to do maintenance.



60- or 80-grade chains take our already durable drive chains and make them inarguably stronger.

Monitor-Controller Options: Touch … and go

The BaleTrak Pro and BaleTrak Plus. Depending on your baler model, you'll appreciate the convenience of working with one of these monitor-controllers.

Available on balers without a precutter, the BaleTrak Pro is incredibly easy to use. Simply key in a function … and you're on to the next bale. With the large, clear display, the monitor is easy to read. But the real value is in the accuracy: a 24-bar bale shape indicator offers true look-ahead baling to help you make perfectly sized and shaped bales each time.

Balers equipped with the MegaWide HC² precutter feature the BaleTrak Plus. In addition to the features of the BaleTrak Pro, the BaleTrak Plus also offers the convenience of engaging/disengaging precutter knives and raising/lowering the hydraulic drop floor with the touch of a button.

1. Total baling control. From the time baling begins to the moment the bale is released, you're always in control. Indicators alert you when size is reached … when wrapping or tying begins and ends … and when the bale is ejected.
2. True "look-ahead" baling. Bale shape bars on the monitor show you how the bale is forming in the chamber. The digital bar graph responds instantly to any change in side-to-side bale diameter.

3. On-site assistance. Warning indicators alert you if the gate is left open or if there's a problem in the wrapping process.
4. Precutter knives (BaleTrak Plus). Engage and disengage precutter knives with the touch of a button.
5. Raise and lower (BaleTrak Plus) the drop floor with a touch of a button.

Cover-Edge™ Net Wrap: The best form of protection

Time is money, so why waste it with inefficient bale wrap? Cover-Edge net wrap provides the best bale protection you can get. It preserves hay quality and gives your bale a beautiful, round surface, as well as reducing crop loss during transport. And did we mention your bales are wrapped in as little as six seconds? But the best part is the loading process – you won't find a faster, simpler system around.

Our new band brake system improves durability and provides a cleaner cut net for the life of your baler.

Or perhaps you just prefer to use twine. If that's the case, the electric AutoTie wrapping system provides easier-made bales that are tied right. And for customers of the 440E, we also have a hydraulic twine system available. No matter what choice, double-twine arms provide exceptional speed for the job.

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1. *After opening the back cover, set the roll onto the cradle. It's easier to access since it's on the back of the baler. Plus, there's extra room to carry a spare roll.*
2. *Once the roll is in the cradle, unroll a short length of material, close the cradle and thread between the rollers.*
3. *Pull down the door. It's that easy!*

Field to Feed Solution: *Properly storing round bales is vital to any operation. Improper storage can lead to a host of issues. Obviously, the best place to store bales is inside a barn, but if that's not an option, try storing bales close to the feeding site. Use pallets, gravel, or some other moisture barrier to minimize spoilage from ground contact. Place bales on well-drained soil with a gentle slope whenever possible. Align rows north and south, with at least three feet between each row for quicker drying after exposure to rain or snow. Do not have bales pushed up tight against each other as this creates pockets where moisture can get trapped. And keep bales away from slow drying areas, such as below tree lines.*

440E and 450E: Economy Meets Productivity

No matter the size of your operation, you'll get the perfect combination of economy and productivity with the new 440E or 450E Round Balers – the newest members in the E Series line of value-spec John Deere equipment.

The 440E is available in a twine configuration, while the 450E is available in a netwrap or twine configuration. Advantages of the netwrap configuration include a 75 percent reduction in bale wrapping time and up to 18 percent reduction in spoilage compared to twine-only balers. That means you'll speed up baling and improve bale quality. The six rugged belts cover 90 percent of the bale chamber, providing up to 20 percent greater belt coverage than some competitive balers. This reduces leaf loss, captures more crop, and further adds to bale quality. And thanks to our short 10.5-inch-diameter strippers your crop will have to travel 1.5 in. less distance to the pickup than the competition, which means you'll get more hay in every bale you make. You'll get all this plus some of the great features that come standard on Zero Series machines including durable chains, an adjustable hitch, and the BaleTrak™ Pro monitor.

Save time. Save money. Save room in your machine shed for the 440E and 450E Round Balers.

E MODEL ROUND BALER *Specifications*

MODEL	440E	450E
BALE SIZE		
Diameter	35-51 in. (89-130 cm)	35-60 in. (89-152 cm)
Width	46 in. (117 cm)	46 in. (117 cm)
Weight	750 lb. (340 kg)	1,000 lb. (454 kg)
Weight (maximum silage bale)	1,250 lb. (567 kg)	N/A
BALER		
Width with standard tires	89 in. (226 cm)	
Width with high flotation tires	96 in. (244 cm)	N/A
Width with 21.5X16.1 tires	N/A	N/A
Length (gate closed)	135 in. (343 cm)	142 in. (361 cm)
Length (gate open)	174 in. (442 cm)	179 in. (455 cm)
Height (gate closed)	92 in. (234 cm)	102 in. (260 cm)
Height (gate open)	114 in. (290 cm)	128 in. (325 cm)
Shipping weight	3,360 lb. (1524 kg)	3,750 lb. (1701 kg)
REGULAR PICKUP		
Width (inside)	46 in. (117 cm)	
Width (outside)	56 in. (141 cm)	
Tooth spacing	2.6 in. (6 cm)	
Toothbars	4	
Number of teeth	72	
Stripper diameter	10 in. (25.4 cm)	
MEGAWIDE™ PLUS		
Width (inside)	61 in. (155 cm)	N/A
Width (outside)	71 in. (180 cm)	N/A
Number of teeth	96 with 16 Megateeth	N/A
FORMING BELTS – Belt width - 7 in. (18 cm), Type - DiamondTough triple weave single ply, Splice - Mato plate-type		
Number of belts	6	
TWINE WRAP	Std.Hydraulic/Opt. Electric	Electric
COVEREDGE™ NET WRAP	N/A	Edge-to-Edge Optional
BALE FORMING INDICATORS		
Bale shape	Optional (dealer install only)	N/A
Near full	Audible	
Oversized bale indicator	Audible and Mechanical	
POWER REQUIREMENTS		
PTO hp (minimum)*	45 hp (34 kw)	55 hp (42 kw)
PTO speed (rpm)	540	
PTO protection	Shearbolt/slip clutch optional	Shearbolt

*Horsepower requirements may vary depending on crop types and conditions.

JOHN DEERE
560M

450M, 460M, 550M and 560M: Dry, Precut and Silage Round Balers

Meet the most versatile of the Zero Series round balers. Whether you're working with dry hay, silage or you want precut crop, there's an M model round baler to fit your needs. Models equipped with our new MegaWide™ HC² feed system potentially eliminate the need for tub grinders while delivering precut crop with higher nutritional value that's easier for animals to eat.

And our Silage and MegaWide HC² models come equipped with heavy-duty components ready to handle the wettest of crop. Regardless of whether you have knives engaged, these balers offer capacity and increased speed in the field.

Ready for anything

When you work in silage, you need a silage-quality baler to handle wet, heavy crop … a baler that can handle anything you throw at it. That's where the Zero Series Silage models come in. They're ready to shoulder the load, thanks in part to these key features:*

1. Powered cross auger helps keep wet and dry hay from traveling up the belts and reduces crop buildup around all 13 rolls that are contacted by the forming belts. And we kept the larger bearings, shafts, and flanges, for greater reliability.
2. Starter-roll scraper knife is mounted directly in front of the starter roll to help prevent wrapping in moist,thick hay.
3. Auxiliary take-up roll is standard on both the Silage and precutter models to prevent belt crossover or flipping in damp conditions.

**Silage option only available on M models. Silage components also included on balers equipped with the MegaWide HC² feed system.*

Field to Feed Solution: *Silage is a crucial aspect of some customers' operations. When desired, high moisture is a must for growers. But unwanted, higher moisture levels can be risky. Some easy-to-remember figures to keep in mind: silage should have between 50-60% moisture; dry hay between 10-20%.*

JOHN DEERE
560M
Silage

Packs a lot of weight

Go ahead. Keep eating up those long, heavy silage windrows. John Deere Silage models can really pack it in. How much? How about up to 2,500 pounds of high moisture hay bales – and packed with the high forage quality your livestock deserve.

So let's see ... Puts up a ton of weight? Check. Handles high moisture, slippery crop with ease? Check. Wide range of models to fit any size operation? Check.

The BaleTrak™ Pro monitor-controller gives you customized control of both the standard features and the specialized functions.

BaleTrak Pro lets you engage the cutter knives or open the drop floor to remove plugs, as well as enjoy other traditional monitor features.

Field to Feed Solution: *Have you heard the terms: silage, haylage and balage? Are there any differences? Well, all are ensiled, high-moisture forages that can be fed to livestock. But, typically, silage refers to ensiled crop that's stored in a silo structure or a bunker. While haylage - not to be confused with corn silage - refers specifically to ensiled grass or hay crops. And balage simply refers to a package of ensiled crop that's baled. In any case: corn, grass, or alfalfa can be baled for balage and used as viable livestock feed.*

M MODEL ROUND BALER *Specifications*

MODEL	450M	460M	550M	560M
BALE SIZE				
Diameter	35-60 in. (89-152 cm)	32-72 in. (81-183 cm)	32-72 in. (89-152 cm)	32-72 in. (81-183 cm)
Width	46 in. (117 cm)	46 in. (117 cm)	62 in. (157 cm)	62 in. (157 cm)
Weight	1,100 lb. (499 kg)	1,650 lb. (748 kg)	2,220 lb. (998 kg)	2,200 lb. (998 kg)
Weight (maximum silage bale)	1,750 lb. (794 kg)	2,200 lb. (998 kg)	2,400 lb. (1088 kg)	2,500 lb. (1089 kg)
BALER				
Width with standard tires	Hi-flo standard	Hi-flo standard	Dry - Hi-flo standard Silage - 21.5x16.1 tire standard	Hi-flo standard Silage - 21.5x16.1 tire standard
Width with high flotation tires	96 in. (244 cm)	96 in. (244 cm)	Dry - 112 in. (285 cm) Silage - 21.5x16.1 tire standard	Dry - 112 in. (285 cm) Silage - 96 in. (244 cm)
Width with 21.5X16.1 tires	116 in. (295 cm)	116 in. (295 cm)	131 in. (333 cm)	131 in. (333 cm)
Length (gate closed)	142 in. (361 cm)	146 in. (371 cm)	142 in. (361 cm)	146 in. (371 cm)
Length (gate open)	179 in. (455 cm)	187 in. (475 cm)	179 in. (455 cm)	187 in. (475 cm)
Height (gate closed)	102 in. (260 cm)	110 in. (279 cm)	102 in. (260 cm)	110 in. (279 cm)
Height (gate open)	128 in. (325 cm)	145 in. (368 cm)	128 in. (325 cm)	145 in. (368 cm)
Shipping weight	Dry - 3,820 lb. (1733 kg) Silage - 5,972 lb. (2708 kg) Precutter - 8,138 lb. (3691 kg)	Dry - 4,165 lb. (1889 kg) Silage - 6,568 lb. (2979 kg) Precutter - 8,665 lb. (3930 kg)	Dry - 4,310 lb. (1955 kg) Silage - 6,812 lb. (3089 kg)	Dry - 7,100 lb. (3220 kg) Silage - 7,472 lb. (3389 kg) Precutter - 9,346 lb. (4239 kg)
REGULAR PICKUP				
Width (inside)	46 in. (117 cm)		62 in. (156 cm)	
Width (outside)	56 in. (141 cm)		71 in. (180 cm)	
Tooth spacing	2.6 in. (6 cm)		2.6 in. (6 cm)	
Toothbars	4		4	
Number of teeth	72		96	
Stripper diameter	10 in. (25.4 cm)		10 in. (25.4 cm)	
MEGAWIDE™ PLUS				
Width (inside)	61 in. (155 cm)		77 in. (196 cm)	
Width (outside)	71 in. (180 cm)		87 in. (221 cm)	
Number of teeth	96 with 16 Megateeth		120 with 8 Megatooth	
MEGAWIDE™ HC²				
Width (inside)	61 in. (155 cm)		N/A	77 in. (196 cm)
Width (outside)	71 in. (180 cm)		N/A	87 in. (221 cm)
Number of teeth	96 with 16 MegaTooth		N/A	120 with 8 MegaTooth
Stripper diameter	10 in. (25.4 cm)		N/A	10 in. (25.4 cm)
Number of knives	14		N/A	20
FORMING BELTS – Belt width - 7 in. (18 cm), Type - DiamondTough triple weave single ply, Splice - Mato plate-type				
Number of belts	6	8		
TWINE WRAP	Electric			
COVEREDGE™ NET WRAP	Optional			
BALE FORMING INDICATORS				
Bale shape	Dry & Silage - BaleTrak Pro Precutter - BaleTrak Plus	Dry & Silage - BaleTrak Pro Precutter - BaleTrak Plus	Dry & Silage - BaleTrak Pro Precutter - BaleTrak Plus	Dry & Silage - BaleTrak Pro Precutter - BaleTrak Plus
Near full	Audible, adjustable			
Oversized bale indicator	Audible and Mechanical			
POWER REQUIREMENTS - STANDARD. MEGAWIDE AND MEGAWIDE HC2				
PTO hp (minimum)*	55 hp (42 kw); 80 hp (60 kw) (MegaWide HC2)	65 hp (48 kw); 85 hp (64 kw) (MegaWide HC2)	55 hp (42 kw); 85 hp (64 kw) (MegaWide HC2)	75 hp (56 kw); 85 hp (64 kw) (MegaWide HC2)
PTO speed (rpm)	540	540/1000		

These specifications also apply to Zero Series round balers equipped with the MegaWide HC² feed system.
*Horsepower requirements may vary depending on crop types and conditions.

*Horsepower requirements may vary depending on crop types and conditions.

JOHN DEERE
560M

460R and 560R: The Total Package.

Smart, stylish and built to last. The 460R and 560R Round Balers offer the total package for your baling operation. Enhancements like the ISOBUS control monitor, cut out clutch drivelines, intelligent tractor-baler automation and heavier duty components add brains and brawn, and don't think for a second the redesigned exterior is just for show.

The stamped steel door offers easy access to the factory-installed grease banks, so maintenance can be done from the ground in a matter of minutes. Plus, an exclusive two-year or 12,000-bale warranty* further protects your investment. So don't hesitate to run tens of thousands of bales through these bad boys . . . that's what they're made for.

*Two-year or 12,000 bale warranty, whichever comes first, covers wear parts on 469 Premium and 569 Premium Round Balers. Warranty excludes drive chains. See full product warranty or contact your dealer for details.

Bottom-line balers

One of the best ways to improve your bottom line is to get more out of your baler, and that's why we put more into the 460R and 560R models than any baler on the market. That's more performance, more reliability, and more return on your investment.

Whether you bale heavy, aggressive crop, or you work non-stop from dawn to dusk, the 460R and 560R models produce thousands of bales without ever breaking a sweat. Isn't that what you need? Because the R models were built just for you … the custom haymaker, the commercial operator, the large-acre farmer who demands the ultimate baler.

Thankfully, the R models offer everything you need to grow your bottom line. With a convenient ISO-Bus monitor system, heavy-duty chains, and factory-installed grease banks, these smarter, stronger, longer-lasting machines are all-ability … all the time. And that's the bottom line.

1. Stamped steel doors – Providing more clearance than previous baler models, the stamped steel doors also offer better serviceability access to baler components.
2. Pickup – To deal with the stress and high-hour, high-output use typical of commercial operations, R model balers are equipped with an upgraded MegaWide Plus™ pickup. Bigger cams, bigger bearings, and bigger reel spiders toughen the pickup to give you added durability, increasing the life of the pickup.
3. Factory-installed grease banks – Both R model balers feature factory-installed grease banks that let you grease the machine faster and easier. 8 grease zerks – 4 on either side of the baler – allow you to grease and go, so you can hit the field sooner.
4. Cut out clutch – Relax. The PTO drivelines in R model balers are cut-out clutch protected. This means the driveline runs cooler when slipped and is maintenance-free, so you can concentrate on what's important: non-stop baling. Want to offload another concern? Sensors are also included to notify you if the driveline disengages.
5. Chains – A 60H starter roll chain and heavy-duty 80H drive roll chain on the R models offer toughness and durability for the drive chain that's above and beyond what's offered on other Zero Series models. Heavier sidebars connecting the chains make them perfectly suited for handling the demands of commercial baling.

   In addition to these features, the R model balers boast heftier #9 and #11 roll components. These two rolls receive the most load of any on the baler, so we increased the size of the hex shaft and bearings for added strength and reliability.

R model warranty* – The 460R and 560R models offer an unmatched two-year or 12,000-bale warranty, giving you the best coverage available.

*Two-year or 12,000-bale warranty, whichever occurs first, covers non-wear parts on 460R and 560R Round Balers. See full product warranty or contact your dealer for details.

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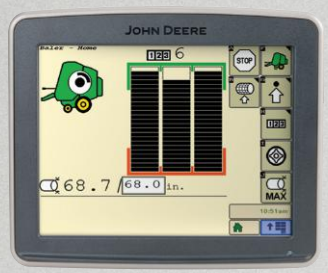
JOHN DEERE
560 R
MegaWideHC²

Raising the bar

Our top-of-the-line machines demand top-of-the-line monitors, and that's where we've raised the bar. With the ISOBUS system, rest assured you're using the latest technology in baling. Using your tractor's GS1800, GS2600, GS2630, or select CommandCenter™ displays, the 460R and 560R models are integrated directly to your tractor. No need for a separate monitor. You get all the great features of the BaleTrak Pro monitor, and more. Max bale size button; user-friendly interface navigation; and intuitive error code system. Best of all, operators of any skill level can work the functions.

Speaking of raising the bar, we've added a third bale shape bar on the 460R and 560R monitors to help improve your driving practices for easier bale-making. The third bale sensor can be easily turned off if you prefer not to use it.

Max bale size button. Almost done clearing your field? Have only a small windrow to finish? Try this new feature. When your bale setting is less than maximum bale size, this button allows you to quickly and easily bump up to maximize size – with a single touch.



Interface navigation. Cruising through pages and making calibrations are easier thanks to a user-friendly navigation system. Learning how to work the monitor takes only minutes.

Intuitive error code system. Frustrated by confusing error codes? With this new system, errors are completely written out. No longer do you have to search through a list of codes.

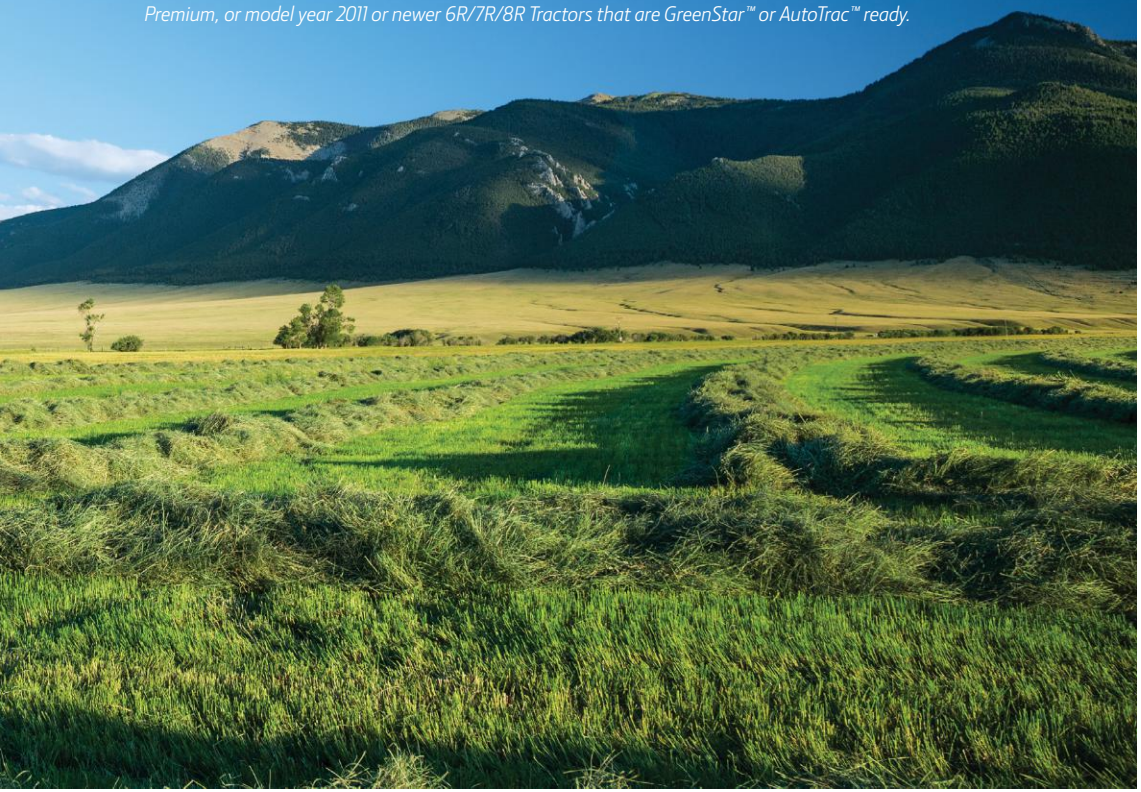
__Field to Feed Solution:__ There are five keys to making a densely packed bale:

1. *The tractor must be set up correctly, with both front and rear tires wider than the width of the bale chamber.*
2. *The baler must be set up correctly – your John Deere dealer will help with this.*
3. *Have uniform windrows that are either half the width or the full width of the bale chamber.*
4. *Your bale monitor should be properly adjusted, showing you how the bale is forming.*
5. *Ultimately, you – the driver – are responsible for proper driving techniques.*

Tractor Baler Automation

Convenience doesn't end at the monitor. Now Tractor Baler Automation* (TBA) technology takes ease and efficiency to the next level. With Tractor Baler Automation, you get two levels of added speed and production. In level one, the baler gate automatically opens and closes when it's time to release a bale. Level two (IVT transmission required) not only works the gate operator-free, but the baler tells the tractor when to stop … on its own (operator must engage brake). The results: easier operation and reduced operator fatigue. Bale simpler. Bale faster. Everything should be this easy.

**Tractor Baler Automation is only compatible with model year 2010 or newer John Deere 6030/7030 Premium, or model year 2011 or newer 6R/7R/8R Tractors that are GreenStar™ or AutoTrac™ ready.*



R MODEL ROUND BALER *Specifications*

MODEL	460R	560R
BALE SIZE		
Diameter	32-72 in. (81-183 cm)	32-72 in. (81-183 cm)
Width	46 in. (117 cm)	62 in. (157 cm)
Weight	1,650 lb. (748 kg)	2,200 lb. (998 kg)
Weight (maximum silage bale)	2,200 lb. (998 kg)	2,500 lb. (1089 kg)
BALER		
Width with standard tires		
Width with high flotation tires	96 in. (244 cm)	112 in. (285 cm)
Width with 21.5X16.1 tires	116 in. (295 cm)	131 in. (333 cm)
Length (gate closed)	146 in. (371 cm)	146 in. (371 cm)
Length (gate open)	187 in. (475 cm)	187 in. (475 cm)
Height (gate closed)	110 in. (279 cm)	110 in. (279 cm)
Height (gate open)	145 in. (368 cm)	145 in. (368 cm)
Shipping weight	Dry - 6,500 lb. (2950 kg) Precutter - 8,665 lb. (3930 kg)	Dry - 7,400 lb. (3356 kg) Precutter - 9,346 lb. (4239 kg)
MEGAWIDE™ PLUS		
Width (inside)	61 in. (155 cm)	77 in. (196 cm)
Width (outside)	71 in. (180 cm)	87 in. (221 cm)
Number of teeth	96 with 16 MegaTooth	120 with 8 MegaTooth
MEGAWIDE™ HC²		
Width (inside)	61 in. (155 cm)	77 in. (196 cm)
Width (outside)	71 in. (180 cm)	87 in. (221 cm)
Number of teeth	96 with 16 MegaTooth	120 with 8 MegaTooth
Stripper diameter	10 in. (25.4 cm)	10 in. (25.4 cm)
Number of knives	14	20
FORMING BELTS – Belt width - 7 in. (18 cm), Type - DiamondTough triple weave single ply, Splice - Mato plate-type		
Number of belts	6	8
TWINE WRAP		
COVEREDGE™ NET WRAP	Optional	
BALE FORMING INDICATORS		
Bale shape	Dry - BaleTrak Pro Precutter - BaleTrak Plus	Dry - BaleTrak Pro Precutter - BaleTrak Plus
Near full	Audible, adjustable	Audible, adjustable
Oversized bale indicator	Audible and Mechanical	Audible and Mechanical
POWER REQUIREMENTS		
PTO hp (minimum)*	MegaWide Plus: 65 hp (48 kw) MegaWide HC2: 80 hp (60 kw) /85 hp (64 kw)	MegaWide Plus: 75 hp (56 kw) MegaWide HC2: 80 hp (60 kw) /85 hp (64 kw)
PTO speed (rpm)	540/1000	540/1000
PTO protection	Cutout clutch	Cutout clutch
POWER REQUIREMENTS - MEGAWIDE HC2		
PTO hp (minimum)*	65 hp (48 kw)	75 hp (56 kw)
PTO speed (rpm)	540/1000	540/1000
PTO protection	Cutout clutch	Cutout clutch

*Horsepower requirements may vary depending on crop types, conditions and PTO speed.

More bales. More benefits.

Designed exclusively for John Deere 7, 8, 9 and Zero Series Round Balers, the Plus2 Accumulators are the industry's first fully integrated round bale accumulators.[1]

Time, Cost and Crop Savings

From flat plains to rolling hills, the Plus2 Accumulators put you in control of grouping bales where and when you want. With the ability to strategically place one or two bales in lines or small groups in a flat area of your field, while making a third bale, means you could **cut your pickup time by as much as 50%**. That reduction in pickup time translates to an approximate **savings of up to $1.00 or more per bale** in reduced logistics costs. And when you control the placement, you control field impact. Aligning bales for quick collection means less wheel traffic, which helps **reduce field compaction and protects regrowth** from multiple passes. So in addition to saving time and money, you're saving your crop yield for your next cutting.

A420R

Our A420R Accumulator has the capacity to hold two 4 x 6' bales while making a third.

Compatibility

Designed and manufactured by John Deere, both the A420R and A520R are engineered to fit on all 6-ft. John Deere 7, 8, 9 and Zero Series Round Balers, including models equipped with a MegaWide™ HC[2].

"We probably cut our pickup time in half."

David Schuett – Frontline Ag Solutions, Montana

[1]*Round baler must have MegaWide™ pickup and 21.5L x 16.1 high-flotation tires and spindles.*

A520R

Operation and Maneuverability

Not only are collection efforts simplified, but we've got you covered with operation and maneuverability as well. All controls are integrated through the tractor and baler, leaving no need for a separate control box or monitor. Just open and close the gate - the accumulator does the rest. And the maneuverability is unmatched. Gone are the days of jackknifing on a hill in order to save your bales from rolling away.[2] The accumulators gently release bales on the go without leaving the windrow and with little to no rolling, making placement a breeze. Separate hydraulics for the cart tilt allow you to drop the bales at any time during baling for that perfect line of bales in your field. And unlike competitive models that are long and bulky, the Plus2 Accumulators bolt directly to the baler frame, maximizing maneuverability so backing into your shop or turning in the field is the same as without an accumulator. When it comes time to transport, the wings manually extend and retract, so transport width is no wider than the baler, making travel on roadways and through narrow gates easy.

Our A520R Accumulator has the capacity to hold two 5 x 6' bales while making a third.

[2]*Downhill operating range is seven degrees.*

V451R and V461R Model Round Balers

The V451R and V461R models give you 4x5 and 4x6 bales respectively, feature a revolutionary design that will have you consistently making high-quality precut bales, and provide higher performance and more uptime. Visit your local John Deere dealer and learn how the V451R and V461R models can give you better bales in record time.

Super Fast Bale Ejection. Get ready for the fastest gate cycle time in the industry. At times as fast as 4 seconds, you'll be rolling up windrows in no time.

Nearly Plug-Free. Let baler plugs be a thing of the past. The V451R and V461R Models features a patented, full-width hydraulically operated drop floor.

Cut Your Bale Processing Time. Wasted hay is wasted money. With 13- or 25-knife options you can cut plant material into 3 inch (7.6 cm) or 1.6 inch (4.1 cm) lengths.

Let Technology Do the Work for You. Take the stress out of baling. With Tractor Baler Automation the tractor automatically stops, ejects the bale, closes, and starts up again. For more information on Tractor Baler Automation, see page 25.

Blaze Through Fields. Get in and out of the field faster than ever. With an average driving speed of 9 mph (14.5 kph), the 960 produces up to a remarkable 52 bales an hour.*

**Observed John Deere field tests. Your results may be different depending on field conditions, crop conditions, and terrain.*

Hassle Free Maintenance. Down time is wasted time. With only 8 grease zerks and bearings that are automatically greased, you'll spend more time baling.

V451R and V461R Model *Specifications*

MODEL	V451R	V461R
BALE SIZE		
Diameter	5 ft. (1.6 m)	6 ft. (1.9 m)
Width	4 ft. (1.2 m)	4 ft. (1.2 m)
FRAME		
Type	Independent – Full Frame design	Independent – Full Frame design
PICKUP		
Width/Din width	7.2 ft. (2.20 m/2.12 m DIN)	7.2 ft. (2.20 m/2.12 m DIN)
Tines bar	5 tines bars with camtrack design and stainless steel strippers	5 tines bars with camtrack design and stainless steel strippers
Crop compressor	Roller Baffle	Roller Baffle
Gauge wheels	Pneumatic, fixed or castor action as option	Pneumatic, fixed or castor action as option
FEEDER		
Type	Rotoflow HC (no knives) MaxiCut HC 13 MaxiCut HC 25	Rotoflow HC (no knives) MaxiCut HC 13 MaxiCut HC 25
Number of knives	0 or 13 or 25	0 or 13 or 25
Knives set	HC25: 0-12-13-25	HC25: 0-12-13-25
Unplugging system	Full width Drop floor w/ parallel linkage	Full width Drop floor w/ parallel linkage
BALE CHAMBER		
Type	2 endless belts – 1.9 ft. (573 mm) width + 2 frontpowered rolls + 1 powered starter roll	2 endless belts – 1.9 ft. (573 mm) width + 2 frontpowered rolls + 1 powered starter roll
Belt drive rolls	2 big diameter	2 big diameter
Softcore	from 0 to 100%, continuously adjustable from cab	from 0 to 100%, continuously adjustable from cab
Unloading	Fast Release System – movable sude sheets + light tailgate	Fast Release System – movable sude sheets + light tailgate
Bale dumping	Ramp as option	Ramp as option
TWINE BINDING		
Twine system	Optional. Two arms with continuous adjustment from cab	Optional. Two arms with continuous adjustment from cab
Boarding capacity	10 twines spools	10 twines spools
NET WRAPPING		
Net system	Continuous adjustment from cab	Continuous adjustment from cab
Storage capacity	3 net rolls	3 net rolls
CoverEdge compatibility	Yes	Yes
MONITORS		
Type	Greenstar 1800, 2600, 2630	Greenstar 1800, 2600, 2630
ISOBUS	Baler ISOBUS certified	Baler ISOBUS certified
Tractor Baler Automation	Option	Option
DRIVE LINE		
PTO speed	540 RPM 1000 RPM base with MaxiCut HC25, option with MaxiCut HC13 or Rotoflow HC	540 RPM 1000 RPM base with MaxiCut HC25, option with MaxiCut HC13 or Rotoflow HC
PTO capacity	Camclutch driveline - 151 hp (113 kW) for 540 RPM PTO, 182 hp (136 kW) for 1000 RPM PTO	Camclutch driveline - 151 hp (113 kW) for 540 RPM PTO, 182 hp (136 kW) for 1000 RPM PTO
MAINTENANCE		
Auto chain lubrication	Base	Base
Grease bank	Base	Base
Automatic greasing pump – tank	Option	Option
TIRES		
Tire size	15/70-18 16/70-20 500/55-20 500/60-R22.5 600/50-22.5	15/70-18 16/70-20 500/55-20 500/60-R22.5 600/50-22.5
MINI POWER REQUIREMENT		
PTO hp (minimum)*	80 hp (60 kW)	80 hp (60 kW)

*Horsepower requirements may vary depending on crop types and conditions.

C451R Model Wrapping Baler

By combining the multi-crop capability of our V Series balers with the efficiency and innovation of our bale wrapping system, the C451R is a true productivity powerhouse.

Precutter High-capacity, high performance 2.2 m wide precutter enables you to bale heavy windrows faster.

Transfer Table System Even in hilly terrain, the transfer table system provides efficient bale transfer that preserves bale shape.

Top Speed Less than 8 seconds to unload a bale and close the rear curtain means increased productivity

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

Quick Convenience Speedy reloads with our patented film roll storage system. Easy maintenance access with gullwing style doors.

Fast Wrapping Arm Produce and wrap up to 60 bales per hour with the Fast Release System and speedy 38 rpm wrapping arm.

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

Bale Chamber 3 powered fixed rolls and 2 large diameter belt driving rolls inside the chamber for true multi-crop capacity.

Heavy Duty Five pick-up teeth bar mounted on sealed ball bearings, HD Diamond Chains and Hardox™ wear plate rotor tines.

Tires Two sets of tires available: 500/55-20 keep machine width below 3 m, while 620/45R22.5 minimize compaction.

C451R Model *Specifications*

MODEL	C451R
BALE SIZE	
Diameter	5 ft. (1.6 m)
Width	4 ft. (1.2 m)
FRAME	
Type	Independent – Full Frame design
PICKUP	
Width/Din width	7.2 ft. (2.20 m/2.12 m DIN)
Tines bar	5 tines bars with camtrack designed stainless steel strippers
Crop compressor	Roller Baffle
Gauge wheels	Pneumatic, fixed or castor action as option
FEEDER	
Type	MaxiCut HC 25
Number of knives	0 or 13 or 25
Knives set	HC25: 0-12-13-25
Unplugging system	Full width drop floor
BALE CHAMBER	
Belts	2 endless belts – 1.9 ft. (573 mm) width
Belt drive rolls	2 frontpowered rolls + 1 powered starter roll
Softcore	from 0 to 100%, continuously adjustable from cab
Unloading	Fast Release System – movable sude sheets+ light tailgate
Bale dumping	Bale Tilt as Option
NET WRAPPING	
Net system	Continuous adjustment from cab
Type	2630 or 4240
Storage capacity	3 net rolls
CoverEdge compatibility	Yes
MONITORS	
Type	2630 or 4240
ISOBUS	Baler ISOBUS certified
Tractor Baler Automation	Not Available
DRIVE LINE	
PTO speed	540 RPM; 1000 RPM base with MaxiCut HC25
PTO hp Minimum	100 PTO hp with no knives engaged. 120 PTO hp for all 25 Knives engaged.
MAINTENANCE	
Auto chain lubrication	Base
Grease bank	Base
Automatic greasing pump – tank	Option
TIRES	
Tire size	15/70-18, 16/70-20, 500/55-20, 500/60-R22.5, 600/50-22.5

*Horsepower requirements may vary depending on crop types and conditions.

Get the ultimate baler makeover when you

Add More

Baling doesn't just end with a baler. Your John Deere dealer has an assortment of attachments and accessories to complement your hay operation. From compression racks, to moisture testers, to applicators – each one is designed to help you add more productivity to your day.

Field to Feed Solution: *Fertilize your hay field. Supplying the right nutrients will help your hay grow better. While some essential nutrients come from the soil, additional fertilizer will amplify crop quality, increasing its yield potential and, eventually, heightening animal performance.*

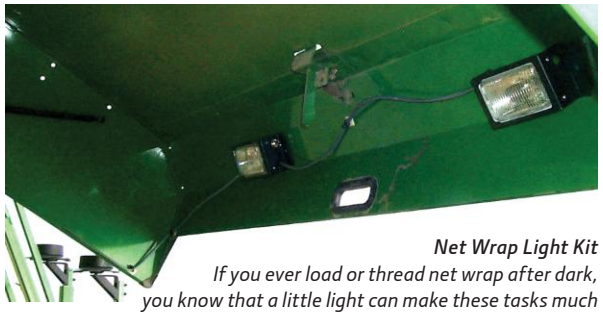
Corncob Filler Plates
Keep the flow of threshed corncobs moving smoothly into your round baler and avoid any time-wasting snags.

Cornstalk Compression Rack
Feed tough, abrasive cornstalk windrows into your round baler with ease. This no-nonsense rack features a solid steel shaft and sturdy compression rods that help compact stalks and leaf matter against the pickup.

Variable Core Kit
Rather have soft-core bales? Then you want the variable core kit. Available for use with the Zero Series Balers, it reduces core density to your preference. And soft-core diameter is adjustable to within 4 inches of the bale's outer diameter (standard on Premium balers).

42 Bale Ejector
Throw a little ease into your "work" day. The 42 Bale Ejector takes the work out of loading bales. The throwing pan tosses bales onto the hayrack easily, yet is gentle on the bale. Adjustable distance control, precharged hydraulic system, and shields give you all the flexibility and dependability you need.

B-Wrap
Store hay bales outside year-round without sacrificing quality. Revolutionary B-Wrap keeps moisture out and allows vapor to escape, keeping nutrients high and reducing spoilage.



Net Wrap Light Kit
If you ever load or thread net wrap after dark, you know that a little light can make these tasks much simpler. Powered by the baler's tail-light harness and controlled by a toggle switch, these two lights mount inside the net wrap compartment. Kit includes lights, wiring harness, switch, brackets, and installation hardware.

GREEN-GARD
For use on all types of hay, GREEN-GARD provides a bigger moisture window and allows you to bale at moisture levels up to 30% without risk of mold or heating. That means you can start working earlier in the day or later in the evening, and no longer wait on the weather. This non-corrosive buffered formula won't harm equipment nor will it freeze or lose strength over time.

Hay Preservative Applicator
Is your crop too dry to bale as silage? Too wet to bale as dry hay? Add this applicator to your Zero Series and bale at moisture levels of up to 30 percent without heating or spoilage. Available in 25- or 50-gallon poly tanks. Choose one of three control systems: automatic, electronic, or manual.

Windrow Moisture Tester
Why guess when you can know for sure? Test the moisture content in your windrow before baling with the handheld windrow moisture tester. Measure from 13- to 70-percent moisture. Get a quick, precise reading in less than 60 seconds.

Baler-Mounted Hay Moisture Tester
Get on-the-go moisture readings while you bale. Reduce the chance of baling moldy hay or storing potentially combustible forage. Large LCD display helps with day or night operation. And it's easily installed on your round or small square baler.

Portable Hay Moisture Tester
Choose from either the extra-rugged 10-in. (25.4 cm)probe for testing small square bales or the 20-inch (50.8 cm) probe for testing round or square bales. This tester comes with a clip-on factory calibrator for easy re-calibration in the field. Features include an expanded low moisture range down to 8-percent, backlit display for night use, an above and below moisture limit indication, and a testing range from 8- to 44-percent moisture and 32 to 225 degrees F (0 to 107 degrees C) temperature.

Round Baler Wear Parts Box.
You and your round baler can put in some pretty long hours. So when a part needs to be replaced, we know the last thing you want to do is make a trip to the dealership. That's why we developed the Round Baler Wear Parts Box. With 25 of the most common wear parts on the John Deere 8, 9 and Zero Series 6-ft. diameter round balers, you'll be covered when those minor maintenance needs arise. The durable container easily stores in the back of your truck or shop, and we've included a magnetic parts list to help you keep track of what you've used.

Lube Minder® Automatic Oiler
Increase chain life with this fully adjustable chain oiler pump. Modify dispensing rates to ensure all chains and sprockets are properly oiled regardless of conditions. Specially engineered brushes clean chains and sprockets while applying oil to all moving parts while they're warm, allowing oil to penetrate pin and brush joints.
Made in the U.S.A.

Add More

Grease Minder® Bank System
Maximize convenience by creating a central location for all zerk points. No need to waste time crawling around your equipment; install a Grease Minder system and save 30 minutes on daily maintenance.

Strengthen your baling operation with Frontier

Your chores aren't complete without the help of rugged, reliable Frontier hay equipment. From raking, to wrapping, to hauling, to unrolling, Frontier has exactly what you need to manage your hay from field to feeding. Best of all, you get exclusive sales and support through your local John Deere dealership.
Talk to your dealer today about pairing up a Frontier hay tool with a new Zero Series Baler.

Bale Wrapper

Wrap 120 bales per hour with the fast-action Frontier bale wrapper. It keeps your bales safe from harsh weather and helps seal in the nutrients for higher quality feed.

Rakes and Tedders
With nearly 40 to choose from, there's a perfectly priced and perfectly sized rake or tedder for any job, field, or customer – all to help speed up drydown so you can bale quicker and finish sooner.

Bale Carrier
Up to 10-bale capacity and adjustable bale arm make the Frontier bale carrier a handy tool to have when you're on the go.

DM50 Series Disc Mower
Count on Frontier Disc Mowers for reliable hay cutting, field after field. Ruggedly built and equipped with high-end features, they deliver high performance and uptime while keeping costs of operation down.

Bale Un-roller
Frontier bale un-roller is a simple way to haul and unroll bales for feeding. Plus, it reduces hay loss during transport.

Bale Spears
Frontier 3-Point and Loader Mount Bale Spears transport large round or square bales. Choose from a wide range of single- and triple-tine models to get the task done quickly.

Field to Feed Solution: *All of your hay equipment should be ready a month prior to hay season. Make sure each implement is greased and every function is operational. Adjust any necessary settings accordingly. Remember, time is crucial. Staying on top of equipment maintenance early will keep you on schedule and save you headaches down the road.*

Designed for hard workers.

You and your round baler can put in some pretty long hours. So when a part needs to be replaced, we know the last thing you want to do is make a trip to the dealership. That's why we developed the **Round Baler Wear Parts Box**.

With 25 of the most common wear parts on the John Deere 8, 9 and Zero Series 6-ft. diameter round balers, you'll be covered when those minor maintenance needs arise. The durable container easily stores in the back of your truck or shop, and we've included a magnetic parts list to help you keep track of what you've used.

Get back to baling quicker and easier with the **Round Baler Wear Parts Box**. Only from John Deere.

JOHN DEERE

SAFETY live with it

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