



# BALERS



# HOW THE BIG, ROUND BALER CHANGED THE INDUSTRY THAT FEEDS AND FUELS THE WORLD

“Find a need, fill that need with a product built to last and simply build the best.” These words were famously spoken by Vermeer founder Gary Vermeer, who made a name for himself by designing products that transformed industries and helped shape new ones altogether. Products that proved there is always a better way to get the job done.

It began when a local cattle producer told Gary he was getting out of the cattle business because the hay-making process was labor intensive and he could no longer do it alone. That was when Gary decided a one-person system was needed. First chalked out on the Vermeer factory floor, Gary and his team knew their round hay baler design was something big. And was it ever. Introduced in 1971, the “big, round baler,” as it was known in the industry, allowed hay producers to make hay bales almost 10 times bigger than any other baler on the market. Perhaps more importantly, it turned a process that traditionally required multiple people into a one-person job. Finally, hay producers could single-handedly put up high volumes of hay in shorter periods of time.

## This was only the beginning.

Vermeer has been steadfast in its commitment to help hay and forage producers find better ways to make hay. With a team carrying on Gary’s spirit of innovation and deep passion for agriculture, we are in continuous pursuit of ways to improve our equipment to meet the needs of the industry. What we do every day helps make a real impact on our customers’ operations. We are committed to producers — whether they put up a few hundred or tens of thousands of round bales to feed their cattle.

These producers excel at harvesting crops for haying, feeding and bedding to help nourish a healthy and vibrant food supply, as well as harvesting crop residues to support the biomass industry. At Vermeer, we tip our caps to the hay producers who play such an invaluable role in feeding and fueling the world.

In 2017, we again reinvented the way our producers work. The ZR5-1200 self-propelled baler — the first of its kind — marked the beginning of a new era in haymaking. From the patented independent suspension system that delivers a smooth, comfortable ride to the one-step baling automation process that operators perform with the push of a button, the ZR5-1200 bucks the trend.

But the work doesn’t stop there. Vermeer and its robust network of independent dealers will continue to provide unwavering support to Vermeer hay producers and their equipment day in, day out. Vermeer dealers are passionate about agriculture — especially the hay and forage industry. They know Vermeer round balers as well as anybody because when they go home, many of them harvest their own crops too. Who better to provide service and support for Vermeer hay tools than those who use the equipment themselves?

The big, round baler forever changed the way we make hay, helping hay producers do more with less. It has inspired innovation across the industry. How we handle, store and feed hay — everything has changed. And still today, Vermeer is focused in the field because the more things change, the more Vermeer can help hay producers stay ahead of the times and be Equipped to Do More®.



## TABLE OF CONTENTS:

504 R-series balers overview	pg. 4 - 5
504R Classic baler	pg. 6 - 7
504R Signature baler	pg. 8 - 9
504R Premium baler	pg. 10 - 11
Atlas™ and Atlas Pro™ control systems	pg. 12 - 13
604 S-series balers overview	pg. 14 - 15
604S Rancher baler	pg. 16 - 17
604S Signature baler	pg. 18 - 19
604S Premium baler	pg. 20 - 21
605S Rancher baler	pg. 22 - 23
605N balers	pg. 24 - 25
504 and 604 Pro G4 balers	pg. 26 - 27
Rancher 6650 baler	pg. 28
Bale packaging	pg. 29
Product specifications	pg. 30 - 39



## 504 R-SERIES BALERS

Vermeer 504 R-series balers offer simplicity, ease of use and more unique features than ever before.

**504R Classic baler:** With minimal setup required to get in the field, and at an economical price point, this is the full-time baler for the part-time operator.

**504R Signature baler:** The Signature name says it all. Offering a blend of convenience, ease of use and durability, this baler advances the Gary Vermeer legacy of round balers with expert engineering and innovative technology.

**504R Premium baler:** A high-output, silage-ready baler with advanced technology provides a first-class baling experience. This baler is meant for the serious producer ready to put up some serious crop.

FEATURE	504R CLASSIC	504R SIGNATURE	504R PREMIUM
Bale shape indicators	Optional	<b>Standard</b>	<b>Standard</b>
Moisture sensors	Optional	<b>Standard</b>	<b>Standard</b>
Auto Lube greasing system	NA	NA	Optional
Silage kit	NA	Optional	<b>Standard</b>
Control system	Atlas™ control system	Atlas Pro™ control system	Atlas Pro™ control system



Bale shape indicators



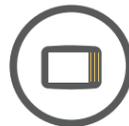
Moisture sensors



Auto Lube greasing system



Silage kit



Atlas™ control system



Atlas Pro™ control system

# 504 R-SERIES BALERS





## 504R CLASSIC **BALER**



Atlas™ control system



**OPTIONAL**  
Bale shape indicators



**OPTIONAL**  
Moisture sensors

**1** A low recommended PTO of 50 hp (40 kW) provides options for various tractors.

**2** The Atlas™ control system delivers robust performance with simplicity in an intuitive package. A 4.3-in (11-cm) color touch screen displays everything needed to bale and allows operators to track field statistics, bales per hour and average bale size. Optional features include the ability to see bale shape and real-time moisture readings on the display.



**3** Built with few moving parts, the 60-in (150-cm) 4-bar camless wide pickup gets the job done and helps minimize parts cost when it is time for routine maintenance.



**4** Durable chains and heavy-duty components on the inside of this baler, including strong driveshafts, make it built to last.

**5** An optional netwrap system makes net efficient to feed and operate. Compared to twine, using netwrap helps increase bale wrapping speed, keep the bale shape and minimize hay loss in storage.



**6** The durable windguard roller helps smooth out the crop before it enters the pickup, and the rotor helps force the crop into the back of the chamber for bale formation.

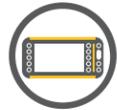
# 504R SIGNATURE **BALER**



Bale shape indicators



Moisture sensors



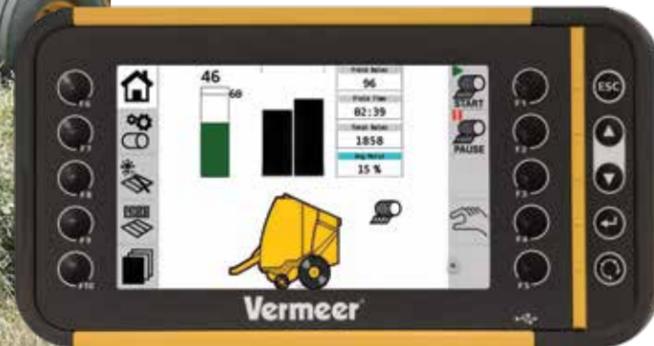
Atlas Pro™ control system



OPTIONAL Silage kit

**1** A 5-bar camless wide pickup with no cam tracks or follower bearings allows for smoother, quieter operation compared to previous models. This durable pickup is equipped with steel coil teeth for baling tough or heavy crops and features fewer moving parts to help reduce maintenance and prolong the life of the machine.

**2** The Atlas Pro™ control system helps operators control the outcome of the bale from the convenience of the cab, including bale shape, bale size and number of wraps. Monitor real-time stats like bale count and moisture levels for up to 50 fields.



**3** The three main drive chains are made with 80 diamond chains to help minimize chain maintenance. The upper and lower drive bearings have a 33% higher load rating while the clutch's maximum torque rating is 32% higher than on previous models.

**4** An aggressive rotor helps to create positive bale starts while the auger and feeding system force crop into the chamber and onto the rotating belts for bale formation.

# 504R PREMIUM BALER



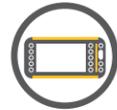
Bale shape indicators



Moisture sensors



Silage kit



Atlas Pro™ control system

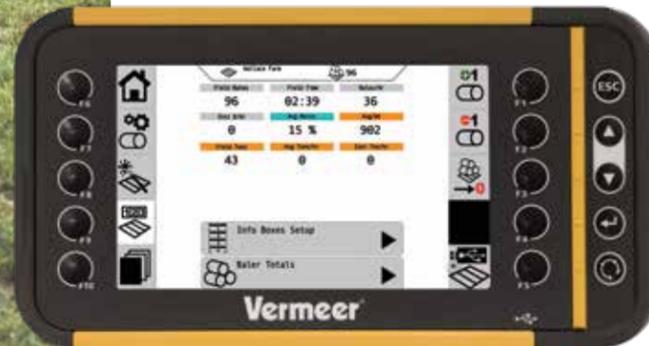


OPTIONAL Auto Lube greasing system

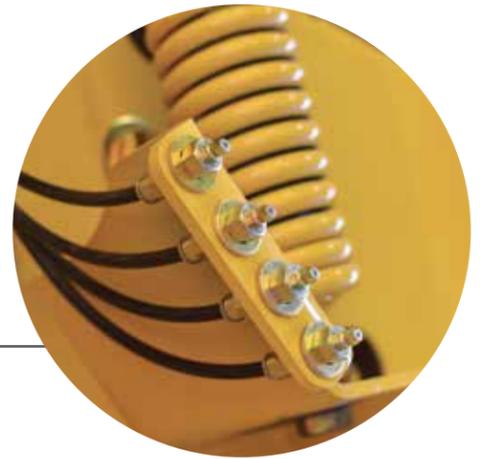
**1** The 60-in (150-cm) 5-bar camless wide pickup has fewer moving parts to help minimize maintenance and parts cost when compared to a cammed pickup. After the steel windguard roller smooths out the windrow, the hay enters the baler and is forced back to the chamber by an aggressive rotor.



**2** The Atlas Pro™ control system helps operators control the outcome of the bale from the convenience of the cab including bale shape, bale size and number of wraps. Monitor real-time stats like bale count and moisture levels for up to 50 fields.



**3** Standard grease banks make it convenient for operators to perform routine maintenance on the baler to help prolong machine life. An optional Auto Lube greasing system is available to provide automatic lubrication to critical bearings at user-defined intervals set through the Atlas Pro control system.



**4** Meant for those who want to bale high-moisture crops at a quick, efficient pace, the 504R Premium baler can out bale other 504 R-series balers. Starting with the increased pickup speed and ending with a faster tie cycle than the 504R Signature baler, this baler can handle the intense pace of a full-time operator producing 5-ft x 4-ft (1.5-m x 1.2-m) bales.

**5** The 504R Premium comes with a standard silage kit, ready to put up wet hay. With heavy-duty components and an option for endless belts, this baler is rugged and ready to handle the rigors of baling heavy crop.

**6** The optional flotation tires offer a smooth ride on rough terrain and stability on hills. Flotation tires can reduce the amount of stress on the baler and can also minimize compaction on the land.



# ATLAS™ AND ATLAS PRO™ CONTROL SYSTEMS

Using the Atlas™ or Atlas Pro™ control system from Vermeer classifies operators as pros in the hay business. Serving as operators' in-cab consultants, these control systems provide real-time operational information, advanced field statistics and a large range of diagnostic capabilities, along with the basic field and bale statistics operators expect.



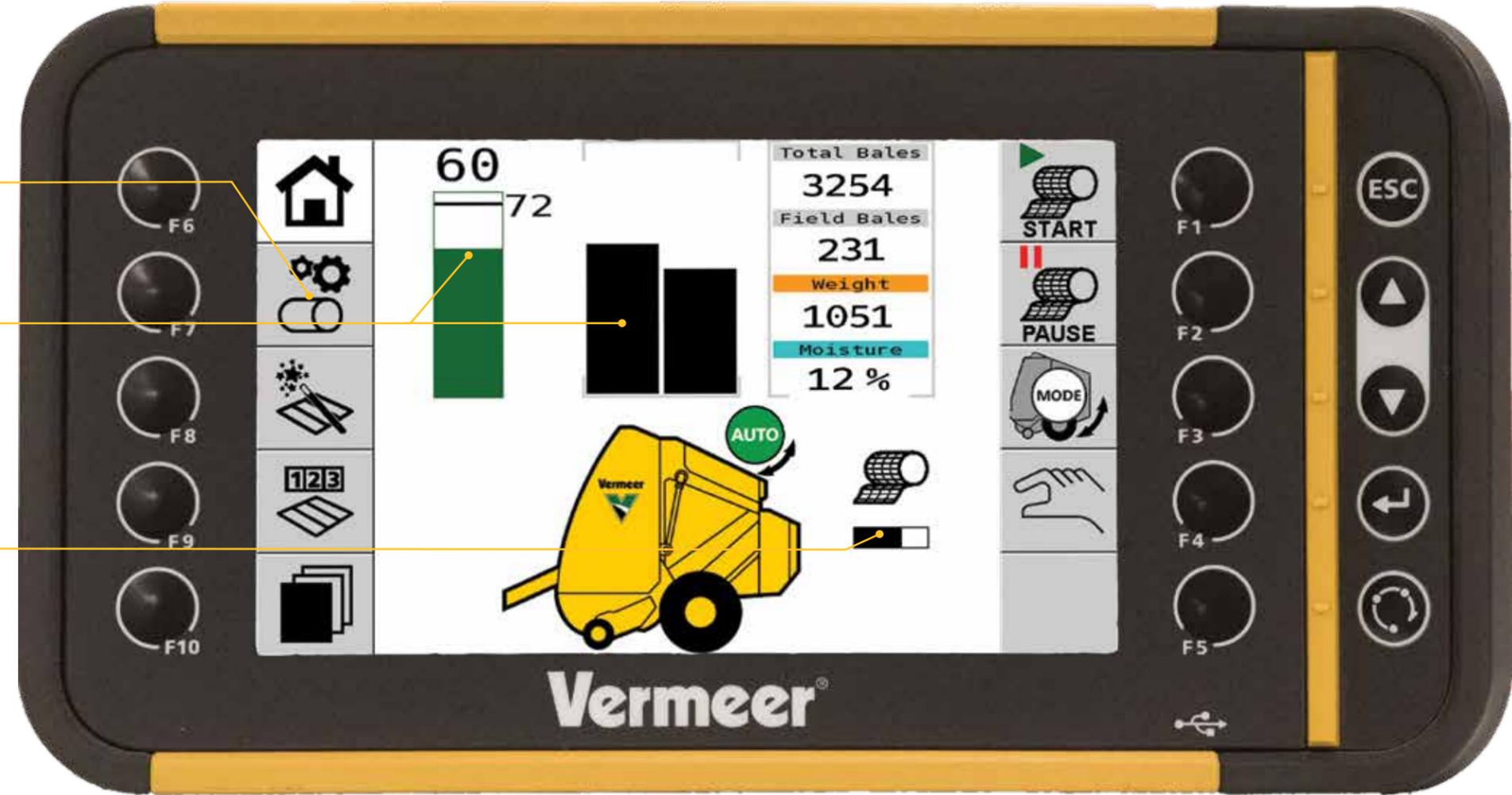
ACTUAL SIZE

1 Intuitive navigation allows operators to adjust settings, read bale statistics and review diagnostic screens.

2 Bale-size and bale-shape indicators keep operators informed in the field. Gain quick access to multiple settings and calibration functions by touching different graphics directly on the screens.

3 Use the netwrap gauge to see how much netwrap is left on the current roll. Operators can also adjust net tension using the Atlas and Atlas Pro control system.\*

4 Keep track of real-time bale data and field-average statistics, including bale count, bales per hour, moisture, field names and more.

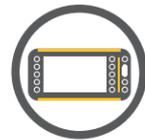


ACTUAL SIZE

# 604 S-SERIES BALERS

Trust us — bale envy is real. And it's all because of the 604 S-series balers by Vermeer. Built to deliver consistent square-shouldered bales you can be proud of, this series lets you stack, store and sell with confidence. A camless wide pickup and proven netwrap system makes them straightforward to operate and maintain and ready to perform bale after bale. Whether you're putting up a few hundred, or a few thousand bales per year, choose between the Rancher, Signature or Premium to match the right features to your operation.

FEATURE	604S RANCHER	604S SIGNATURE	604S PREMIUM
<b>Recommended horsepower</b>	80 hp (60 kW)	90 hp (70 kW)	105 hp (78 kW)
<b>Control system</b>	Atlas Pro™ control system	Atlas Pro™ control system	Atlas Pro™ control system
<b>Net lift system</b>	Optional	Optional	Optional
<b>Moisture sensors</b>	Standard - up to 29%	Standard - up to 29%	Standard - up to 29%
<b>Silage kit</b>	Optional	Optional	Optional
<b>Scale kit</b>	Optional	Optional	Optional
<b>Auto Lube greasing system</b>	Optional	Optional	Standard
<b>LED maintenance lights</b>	Optional	Optional	Standard
<b>Twine</b>	Optional	Optional	Optional



Atlas Pro™ control system



Net lift system



Moisture sensors



Silage kit



Scale kit



Auto Lube greasing system



LED maintenance lights

# 604 S-SERIES BALERS



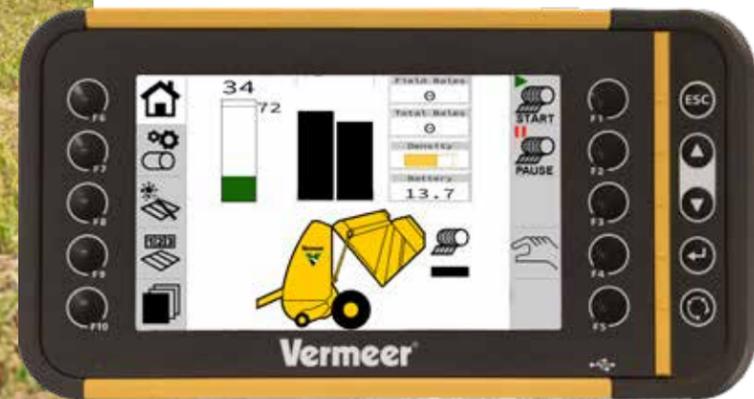
# 604S RANCHER BALER

Three words that describe the 604S Rancher baler by Vermeer? Simple. Reliable. Stout. Just like your best ranch hand.

**1** Help minimize maintenance and prolong the life of your machine with a 4-bar camless wide pickup with just one rotational bearing on each end.



**2** Control the outcome of your bale from the comfort of the cab with the Atlas Pro™ control system. View and keep track of real-time statistics for up to 50 fields including bale count and bales per hour.



**3** A proven mechanical netwrap system provides simplicity and convenience during operation. This system allows the baler belts to do the work rather than having to pull the net onto the bale using a rubber roller, which takes out unnecessary complexity and maintenance needs.



**5** Operators can rest assured with a 3-year pickup warranty on internal components including parts\* and labor.

**4** Help prevent damage to the tailgate and save time without having to backup for bale ejection with a hydraulic bale ramp. The hydraulic bale ramp is tied in with the tailgate sequence to help protect the tailgate from closing on the bale.

## 604S SIGNATURE **BALER**

Appearance matters – especially when it comes to bale shape. Meet the 604S Signature baler by Vermeer, ready to deliver consistent, square-shouldered bales every time so you can stack, store and transport with confidence.

- 1 Help minimize maintenance and prolong the life of your machine with a 5-bar camless wide pickup equipped with 70 rubber-mounted pickup teeth for added strength and durability in varying crop types and conditions.
- 2 Control the outcome of your bale from the comfort of the cab with the Atlas Pro™ control system. View and keep track of real-time statistics for up to 50 fields including average moisture, bale count and bales per hour. Adjust bale size, number of net wraps and density without ever leaving the seat of your tractor.



- 3 Make bales you can hang your hat on. Better bale shape and denser bales come from consistent belt pressure throughout the baling process. Additionally, operators can adjust density settings for different crop and field conditions from the comfort of the cab.



- 4 You'll know if it's too wet to bale with moisture sensors that deliver real-time and field-average moisture info through the control system.



- 5 Keep your net edge-to-edge from start to finish with a dual spiral spreader bars that maximizes net spread to help improve bale appearance.

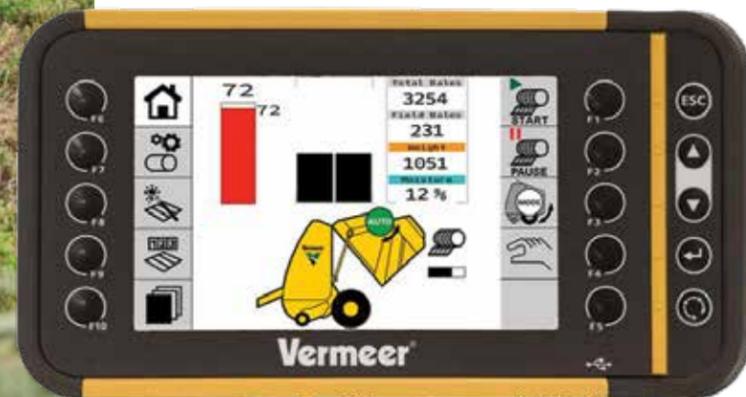
# 604S PREMIUM BALER

Sharp-looking bales that turn heads. Higher output with every pass. Smart automation that helps take the work out of your hands? Sign me up. Get more done in a day with the 604S Premium baler by Vermeer.

**4** Let the Auto Lube greasing system take care of maintenance for you as it provides automatic lubrication to critical bearings at user-defined intervals through the Atlas Pro control system.



**2** Control the outcome of your bale from the comfort of the cab with the Atlas Pro™ control system. View and keep track of real-time statistics for up to 50 fields including average moisture, bale count and bales per hour. Adjust bale size, number of net wraps and density without ever leaving the seat of your tractor.



**3** Tired of lifting heavy net rolls? No worries. Let your 604 S-series baler do the heavy lifting for you with an optional net lift system that raises the netwrap roll into the tailgate using a swing-out arm and switch.



**4** Let the baler do part of the work for you. The optional auto-eject system can open and close the tailgate without operator assistance and is designed to work on a variety of different tractors.\*

**5** Keep track of what your bales weigh without stopping with an optional scale system. Three load cells automatically weigh each bale as it is wrapped and give operators accurate weight reads through the control system in the cab.



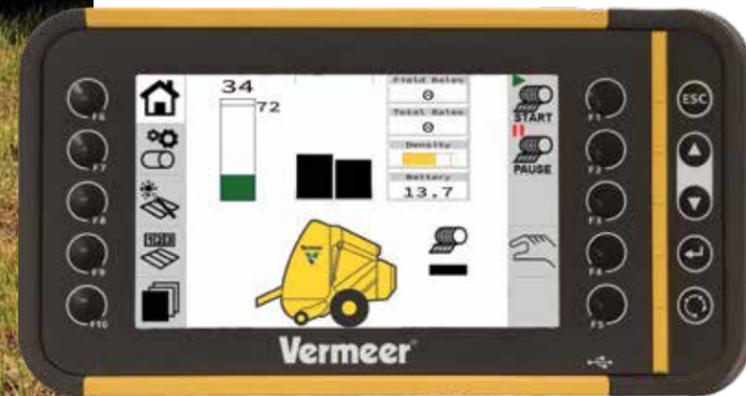
# 605S RANCHER BALER

1 Help minimize maintenance and prolong the life of your machine with a 4-bar camless wide pickup with just one rotational bearing on each end.



2 Stay in the cab even when you need to adjust your density. In-cab density adjustments make getting the most out of your crop simple.

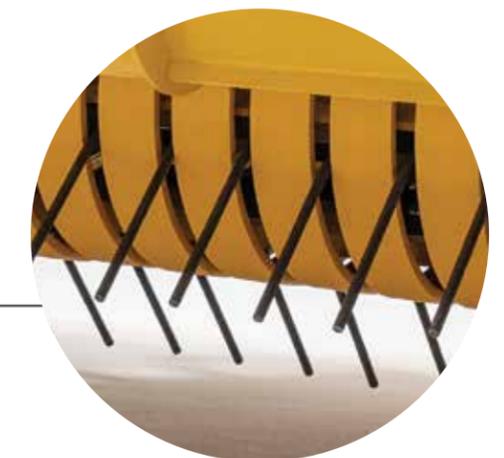
3 Control the outcome of your bale from the comfort of the cab with the Atlas Pro™ control system. View and keep track of real-time statistics for up to 50 fields including average moisture, bale count and bales per hour. Adjust bale shape, number of net wraps and density without ever leaving the seat of your tractor.



4 A proven mechanical netwrap system provides simplicity and convenience during operation. This system allows the baler belts to do the work rather than having to pull the net onto the bale using a rubber roller, which takes out unnecessary complexity and maintenance needs.

5 Keep track of what your bales weigh without stopping with an optional scale system. Three load cells automatically weigh each bale as it is wrapped and give operators accurate weight reads through the control system in the cab.

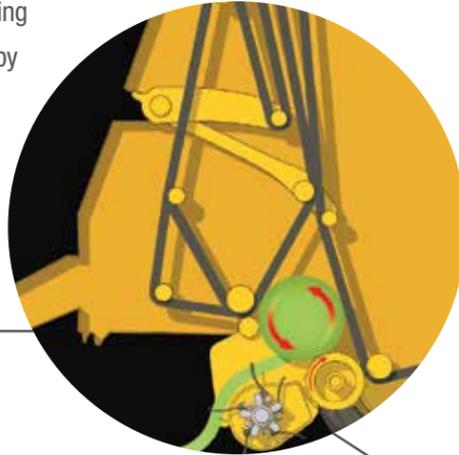
6 Stop spending your time replacing pickup teeth. Rubber-mounted pickup teeth are more durable and last longer than standard pickup teeth.



# 605N BALER AND 605N CORNSTALK SPECIAL BALER

Vermeer N-series balers are built with heavy-duty components for strength and durability in the field when operators need them most. Smart features like the available automatic pickup clutch and Auto Lube greasing system help extend machine life. Plus, they're backed by one of the best distribution networks in the industry.

**1** Direct crop feed enables forage to be fed directly to the bottom drum and bale-starting chamber.



**2** The E-Link Pro display can show bale weight and moisture readings on the home screen with standard moisture sensors and an optional scale kit. Additionally, the E-Link Pro display comes with the ability to keep track of information for up to 20 customers, with up to 10 fields per customer.



**3** Optional Auto Lube greasing system, controlled through the E-Link Pro display, provides automatic lubrication to critical bearings at user-defined intervals.



**4** The optional pickup clutch automatically stops the pickup when the desired bale size is reached, minimizing inadvertent overfill of the bale chamber to help protect the rollers, bearings and belts.\*

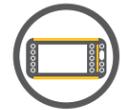
**5** Seals on either side of the pickup bushings help keep out dirt and dust. The toolless gauge wheel adjustment allows for efficient pickup height adjustments.

## 9 DIFFERENCES

THAT SET THE 605N CORNSTALK SPECIAL APART FROM THE 605N BALER

FEATURE	605N CORNSTALK SPECIAL
 POWERED WINDGUARD	✓
 EXTENDED LUBE DRIVELINE	✓
 O-RING CHAINS	✓
 WORK LIGHTS	✓
 FIRE EXTINGUISHER	✓
 AUTO LUBE GREASING SYSTEM	✓
 SCALE	✓
 EXTENDED WARRANTY	✓
 INLINE® RAMP	Optional

# 504 AND 604 PRO G4 BALERS



Atlas Pro™ control system



Bale shape indicators



Drop floor



Chopping system



**1** Baling tough crops? No problem. A 540 rpm or 1,000 rpm PTO tie into a split gearbox, running the pickup on one side and the chamber on the other, to help spread the load to both sides of the baler and allow for the use of a cutout clutch to help with longevity and torque.



**2** Spend more time baling hay and less time clearing out your pickup. The unique geometry of the poly riser stripper bands promotes crop stripping and minimizes pickup wrapping.

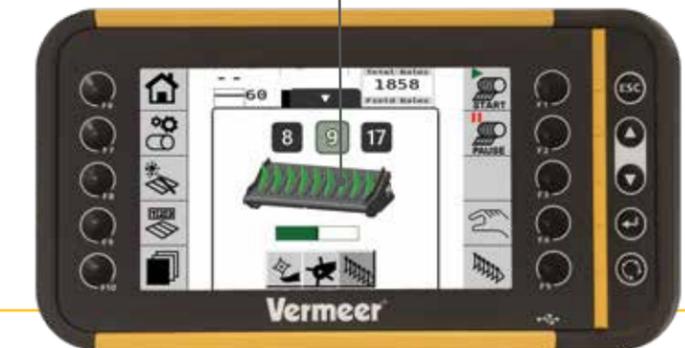


**3** Choose your preferred cut length for optimizing bale density, silage quality, feed mixing time and digestibility with a 17-knife chopping system. Select eight or nine knives from Atlas Pro™ control system for a moderate cut length, all 17 knives for maximum processing, or lower both knife banks to bale without chopping.

**4** Load and route netwrap with ease at the back of the baler with a rear-load netwrap system. Spread net edge to edge and adjust netwrap tension from the cab on a scale of 0 to 100 to maximize spread over the edges, depending on the type of netwrap. Plus, the net gauge on the Atlas Pro control system keeps track of how much net is left on the roll so you can focus on the windrow ahead of you.

**5** The last thing anyone wants to do is clear a plug from the pickup. The drop floor flexes during baling to help crop flow into the chamber with ease. If a plug does occur, operators can clear a plug from the cab with confidence by using tractor hydraulics to lower the floor, allowing crop to pass through so they can get back to baling.

**6** Control the outcome of the bale from the convenience of the cab with the Atlas Pro control system. Monitor real-time bale and crop statistics and adjust based on moisture, crop and customer preference for up to 50 fields. Plus, control features like the knife banks, drop floor and net tension, all without ever leaving the seat.





## RANCHER 6650 BALERS

Vermeer Rancher balers are economically priced and designed to match up with lower horsepower tractors commonly used in cow-calf operations.

**1** Haysaver wheels are a proven, reliable performer over millions of acres. A specially formed, long-finger design gives operators positive raking action, minimizes bounce in rugged terrain and offers a clean wide sweep of the field.

**2** The radial pin clutch provides protection at the pickup for durability and reliability.

**3** Features on the Bale Expert™ monitor — like Auto-Start Advance; standard moisture sensing; left and right bale shape indicators; bale count reporting; near-full, full-bale, and tailgate lock alarms — give operators information, control and convenience.



**4** The optional netwrap system feeds net directly to the main belts of the baler. The brake tension/friction design helps maximize the number of wrapped bales per roll. A spiral roller provides full bale coverage on every rotation, even at the start of the wrap cycle.

## MORE THAN ONE WAY TO PACKAGE A BALE

Vermeer balers are built to consistently make good-looking bales in optimal time. To accomplish this task, a key component is the wrapping technology that operators choose. Vermeer offers three types of bale packaging — plastic film, twine and netwrap — to meet operator's haymaking needs.

### Plastic film

Maintain quality forage and nutrition for up to 12 months with the superior strength and airtight seal of plastic film. The reflective white material provides ultraviolet protection for outdoor storage. With a minimum film thickness of 1 mil (25 micron), bales can stand a chance against unpredictable weather and unwanted pests. Endcaps are also available.

### Twine

Vermeer offers **three twine options** including sisal, plastic and solar degradable.

Extra-long **sisal twine** boasts strong fibers to aid in consistent trouble-free baling. Sporting continuous filaments within the plastic, monofilament baler twine has become the industry standard.

With their tight, brightly colored polypropylene spiral, **plastic twine**-wrapped bales can be stored outdoors for up to 18 months without significant deterioration.

With the degradability of sisal twine and the durability of plastic twine, **solar-degradable twine** can provide a more custom solution for any operation.

### Vermeer® Net

Available for 4-ft and 5-ft (1.2-m and 1.5-m) balers of all kinds, Vermeer Net is the choice for strength and reliability. With nine size options to choose from, there's a roll size to fit each baler and operational need. The black, white and green bale wrap color scheme signifies some really tough netwrap.

### VERMEER NET SIZES

ROLL WIDTH	ROLL LENGTH
48 in (121.9 cm)	5,000 ft (1,524 m)
48 in (121.9 cm)	9,840 ft (3,000 m)
51 in (129.5 cm)	5,000 ft (1,524 m)
51 in (129.5 cm)	9,840 ft (3,000 m)
53 in (134.6 cm)*	9,840 ft (3,000 m)
64 in (162.6 cm)	7,000 ft (2,133 m)
64 in (162.6 cm)	8,800 ft (2,682 m)
67 in (170.1 cm)	7,000 ft (2,133 m)
67 in (170.1 cm)	8,000 ft (2,438 m)



### BALE SHAPE

Choosing Vermeer Net isn't just about improving bale appearance. It's an investment that helps protect the time and energy put into growing forage. Above all else, it's a statement that says the nutritional quality of bales is something worth protecting.



### NET SPREAD

Little net stretch with optimum net spread covers square-shouldered bales from one side to the other.



### TIME SAVED

When using netwrap, two to three turns of the bale are necessary for an ideal bale wrap, compared to using twine, which requires at least eight revolutions. That equates to savings in time, labor, fuel and materials.



### VERSATILITY

Vermeer Net can be used when baling wet and dry hay. Nine different sizes are available. Don't own a yellow baler? No problem — Vermeer Net fits most balers.



### STACKABILITY

Bales wrapped with Vermeer Net often keep their shape better and have squarer shoulders — making them more visually appealing, more efficient to stack and better able to withstand handling and hauling.



### STRENGTH

Strong netwrap, like Vermeer Net, can keep the bale wrapped tight. Tight and dense bales create improved water-shedding capabilities for reduced hay loss while storing hay.

SPECIFICATION	504R CLASSIC BALER	504R SIGNATURE BALER	504R PREMIUM BALER
<b>BALE SIZE</b>			
Bale diameter	36 in - 60 in (91 cm - 150 cm)	36 in - 60 in (91 cm - 150 cm)	36 in - 60 in (91 cm - 150 cm)
Bale width	47 in (120 cm)	47 in (120 cm)	47 in (120 cm)
Maximum bale weight	1,000 lb (450 kg)	2,000 lb (910 kg)	2,000 lb (910 kg)
<b>DIMENSIONS AND WEIGHTS</b>			
Length standard	156 in (396 cm)	156 in (396 cm)	156 in (396 cm)
Length with net	173 in (439 cm)	173 in (439 cm)	173 in (439 cm)
Length with ramp	169 in (429 cm)	169 in (429 cm)	169 in (429 cm)
Height	107 in (272 cm)	111 in (282 cm)	111 in (282 cm)
Width with standard tires	100 in (254 cm)	100 in (254 cm)	100 in (254 cm)
Tires	Standard: 11L-15; Optional: 31 x 13.5-5	Standard: 31 x 13.5-15; Optional: 480-45 R17 flotation tire	Standard: 31 x 13.5-15; Optional: 480-45 R17 flotation tire
Weight fully optioned	5,260 lb (2,390 kg)	5,400 lb (2,450 kg)	5,460 lb (2,480 kg)
<b>BALE FORMING CHAMBER</b>			
Drive roller size	4.78 in (12.1 cm)	4.78 in (12.1 cm)	4.78 in (12.1 cm)
Idler roller size	3.5 in, 4.0 in (8.9 cm, 10.2 cm)	3.5 in, 4.0 in (8.9 cm, 10.2 cm)	3.5 in, 4.0 in (8.9 cm, 10.2 cm)
Start roller size	4.5 in (11 cm)	4.5 in (11 cm)	4.5 in (11 cm)
Belt type	Standard mini rough top	Standard mini rough top	Premium mini rough top or endless
Number of belts	5	6	6
Width of belt	6.8 in (17 cm)	6.8 in (17 cm)	6.8 in (17 cm)
Length of belt (long)	455 in (1,160 cm)	455 in (1,160 cm)	455 in (1,160 cm)
Length of belt (short)	465 in (1,180 cm)	465 in (1,180 cm)	465 in (1,180 cm)
Type of lace	Alligator rivet	Alligator rivet	Alligator rivet or no laces (endless belts)
Silage kit	NA	Optional	Standard
<b>DRIVE SYSTEM</b>			
Driveline	540 rpm, standard lube, radial pin clutch	540 rpm, standard lube, friction clutch	540 rpm, extended lube, friction clutch
Torque protection pickup	Radial pin clutch	Radial pin clutch	Radial pin clutch
Roller chains	Single 60	Single 60 and 80	Single 60 and 80
Bearing and sprocket configuration	Round drive shafts and bearings	Round drive shafts and bearings	Round drive shafts and bearings
<b>TRACTOR REQUIREMENTS</b>			
PTO horsepower minimum	40 hp (30 kW)	45 hp (34 kW)	55 hp (41 kW)
PTO horsepower recommended	50 hp (40 kW)	55 hp (41 kW)	65 hp (48 kW)

SPECIFICATION	504R CLASSIC BALER	504R SIGNATURE BALER	504R PREMIUM BALER
<b>PICKUP</b>			
Pickup type	Camless wide	Camless wide	Camless wide
Width tooth to tooth	60 in (150 cm)	60 in (150 cm)	60 in (150 cm)
Tooth bars	4	5	5
Number of teeth	(48) double steel coil	(60) double steel coil	(10) double steel coil; (50) double rubber-mounted
Teeth spacing	2.8 in (7.1 cm)	2.8 in (7.1 cm)	2.8 in (7.1 cm)
Stripper bands	Steel	Steel	Poly
Flotation	Optional gauge wheels 4.8-16 HD semi-pneumatic with spring assist	Gauge wheels 4.8-16 HD semi-pneumatic with spring assist	Gauge wheels 4.8-16 HD semi-pneumatic with spring assist
Pickup lift	Manual standard, hydraulic optional	Manual standard, hydraulic optional	Hydraulic
3-year pickup warranty	Standard	Standard	Standard
<b>CONTROL SYSTEM</b>			
Control system type	Atlas™ control system	Atlas Pro™ control system	Atlas Pro™ control system
Display	4.3-in (11-cm) color touch screen	7-in (18-cm) color touch screen	7-in (18-cm) color touch screen
Field statistics	10 fields	50 fields	50 fields
Field statistics download	NA	USB	USB
Bale shape indicators	Optional	Standard - 2	Standard - 2
Moisture	Optional up to 29%	Standard up to 29%	Standard up to 29%
Bales per hour	Standard	Standard	Standard
<b>DENSITY</b>			
Bale density adjustments	Standard manual through hydraulic relief valve	Standard manual through hydraulic relief valve	Standard manual through hydraulic relief valve
Density readings	Optional physical gauge	Physical gauge	Physical gauge
Cylinder size	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)
<b>BALE TIE SYSTEM</b>			
Twine system	Optional	Optional	Optional
Netwrap system	Optional	Optional	Standard
Net tension control	Via mechanical adjustment	Via mechanical adjustment	Via mechanical adjustment
Extra roll storage	Standard	Standard	Standard
<b>FEATURES</b>			
Bale ramp	Optional spring loaded	Optional spring loaded	Spring loaded
Auto Lube greasing system	NA	NA	Optional
Grease bank	NA	NA	Standard
LED maintenance lights	NA	NA	Optional
Fire extinguisher, safety chain	Optional	Optional	Optional

SPECIFICATION	604S RANCHER BALER	604S SIGNATURE BALER	604S PREMIUM BALER
<b>BALE SIZE</b>			
Bale diameter	36 in - 72 in (91 cm - 180 cm)	36 in - 72 in (91 cm - 180 cm)	36 in - 72 in (91 cm - 180 cm)
Bale width	47 in (120 cm)	47 in (120 cm)	47 in (120 cm)
Maximum bale weight	2,000 lb (910 kg)	2,400 lb (1,100 kg)	2,400 lb (1,100 kg)
<b>DIMENSIONS AND WEIGHTS</b>			
Length standard	187 in (475 cm)	187 in (475 cm)	187 in (475 cm)
Length with net	187 in (475 cm)	187 in (475 cm)	187 in (475 cm)
Length with ramp	208 in (528 cm)	208 in (528 cm)	208 in (528 cm)
Height	121 in (307 cm)	121 in (307 cm)	121 in (307 cm)
Width with standard tires	101 in (257 cm)	115 in (292 cm)	115 in (292 cm)
Tires	14L-16.1	21.5L-16.1	21.5L-16.1
Weight fully optioned	8,000 lb (3,629 kg)	8,400 lb (3,811 kg)	8,400 lb (3,811 kg)
<b>BALE FORMING CHAMBER</b>			
Drive roller size	5.5 in (14 cm)	5.5 in (14 cm)	5.5 in (14 cm)
Idler roller size	3.5 in, 4.8 in (8.9 cm, 12 cm)	3.5 in, 4.8 in (8.9 cm, 12 cm)	3.5 in, 4.8 in (8.9 cm, 12 cm)
Start roller size	5.3 in (13.5 cm)	5.3 in (13.5 cm)	5.3 in (13.5 cm)
Belt type	Premium mini rough top	Premium mini rough top	Premium mini rough top
Number of belts	6	6	6
Width of belt	6.8 in (17 cm)	6.8 in (17 cm)	6.8 in (17 cm)
Length of belt (long)	564 in (1,430 cm)	564 in (1,430 cm)	564 in (1,430 cm)
Length of belt (short)	557 in (1,410 cm)	557 in (1,410 cm)	557 in (1,410 cm)
Type of lace	Alligator rivet	Alligator rivet	Alligator rivet
Silage kit	Optional	Optional	Optional
<b>DRIVE SYSTEM</b>			
Driveline	540 rpm, standard lube, friction clutch	Standard: 540 rpm, standard lube, friction clutch; Optional: 1,000 rpm, standard lube, automatic clutch	Standard: 540 rpm, extended lube, automatic clutch; Optional: 1-3/8 1,000 rpm, extended lube, automatic clutch or Optional 1-3/4 1,000 rpm, extended lube, automatic clutch
Torque protection pickup	Radial pin clutch	Radial pin clutch	Radial pin clutch
Roller chains	Single 60 and 80	Single 60 and 80	Single 60 and 100
Bearing and sprocket configuration	Hex drive shafts and bearings	Hex drive shafts and bearings	Hex drive shafts and bearings
<b>TRACTOR REQUIREMENTS</b>			
PTO horsepower minimum	60 hp (40 kW)	70 hp (50 kW)	85 hp (63 kW)
PTO horsepower recommended	80 hp (60 kW)	90 hp (70 kW)	105 hp (78 kW)

SPECIFICATION	604S RANCHER BALER	604S SIGNATURE BALER	604S PREMIUM BALER
<b>PICKUP</b>			
Pickup type	Camless wide	Camless wide	Camless wide
Width tooth to tooth	69 in (175 cm)	69 in (175 cm)	69 in (175 cm)
Width on outside flair	82 in (191 cm)	82 in (191 cm)	82 in (191 cm)
Tooth bars	4	5	5
Number of teeth	(56) double steel coil	(70) double rubber-mounted	(70) double rubber mounted
Teeth spacing	2.8 in (7.1 cm)	2.8 in (7.1 cm)	2.8 in (7.1 cm)
Stripper bands	Poly	Poly	Poly
Flotation	Gauge wheels 4.8 - 16 HD semi-pneumatic with spring assist	Gauge wheels 4.8 - 16 HD semi-pneumatic with spring assist	Gauge wheels 7.1 - 16 HD semi-pneumatic with spring assist
Pickup lift	Hydraulic	Hydraulic	Hydraulic
3-year pickup coverage	Standard	Standard	Standard
<b>CONTROL SYSTEM</b>			
Control system type	Atlas Pro™ control system	Atlas Pro™ control system	Atlas Pro™ control system
Display	7-in (18-cm) color touch screen	7-in (18-cm) color touch screen	7-in (18-cm) color touch screen
Field statistics	50 fields with names	50 fields with names	50 fields with names
Field statistics download	USB	USB	USB
Bale shape indicators	Standard – 2	Standard – 2	Standard – 2
Moisture	Optional up to 29%	Standard up to 29%	Standard up to 29%
Bales per hour	Standard	Standard	Standard
Auto eject	NA	Optional	Optional
ISOBUS Capable	Optional	Standard	Standard
<b>DENSITY</b>			
Bale density adjustments	Standard through control system monitor	Standard through control system monitor	Standard through control system monitor
Density readings	Digital gauge	Digital gauge	Digital gauge
Cylinder size	3 in (8 cm)	3 in (8 cm)	3 in (8 cm)
<b>BALE TIE SYSTEM</b>			
Twine system	Optional	Optional	Optional
Netwrap system	Standard	Standard	Standard
Net gauge via control system	Standard	Standard	Standard
Net tension control	Manual	Manual	Manual
Net lift system	Optional	Optional	Optional
Extra roll storage	Standard	Standard	Standard
<b>FEATURES</b>			
Bale ramp	Hydraulic	Hydraulic	Hydraulic
Auto Lube greasing system	Optional	Optional	Standard
Grease bank	NA	Standard	NA
Automatic chain lube system	Optional	Optional	Optional
LED maintenance lights	Optional	Optional	Standard
Fire extinguisher, safety chain	Optional	Optional	Optional
Scale kit	Optional	Optional	Optional

SPECIFICATION	605S RANCHER BALER	605N BALER	605N CSS BALER
<b>BALE SIZE</b>			
Bale diameter	36 in - 72 in (91 cm - 180 cm)	36 in - 72 in (91 cm - 180 cm)	36 in - 72 in (91 cm - 180 cm)
Bale width	61 in (150 cm)	61 in (150 cm)	61 in (150 cm)
Maximum bale weight	2,400 lb (1,100 kg)	2,400 lb (1,100 kg)	2,400 lb (1,100 kg)
<b>DIMENSIONS AND WEIGHTS</b>			
Length standard	187 in (475 cm)	166 in (422 cm)	195 in (495 cm)
Length with net	187 in (475 cm)	195 in (495 cm)	NA
Length with ramp	208 in (528 cm)	195 in (495 cm)	NA
Height	121 in (307 cm)	117 in (297 cm)	117 in (297 cm)
Width with standard tires	129 in (328 cm)	114 in (290 cm)	129 in (328 cm)
Width with optional tires	NA	129 in (328 cm)	NA
Tires	21.5L-16.1	Standard: 14L-16.1; Optional: 21.5L-16.1 flotation tire	21.5L-16.1 flotation tire
Weight fully optioned	9,200 lb (4,174 kg)	8,600 lb (3,900 kg)	8,600 lb (3,900 kg)
<b>BALE FORMING CHAMBER</b>			
Drive roller size	5.5 in (14 cm)	5.5 in (14 cm)	5.5 in (14 cm)
Drum roller size	NA	12 in (30 cm)	12 in (30 cm)
Idler roller size	3.5 in, 3.6 in, 4 in, 4.8 in, 5.5 in (8.9 cm, 9.2 cm, 10.2 cm, 12 cm, 14 cm)	3.5 in, 4.8 in, 5.5 in (8.9 cm, 12 cm, 14 cm)	3.5 in, 4.8 in, 5.5 in (8.9 cm, 12 cm, 14 cm)
Start roller size	5.3 in (13.5 cm)	4.5 in (11 cm)	4.5 in (11 cm)
Belt type	Premium mini rough top	Premium mini rough top	Premium mini rough top
Number of belts	8	8	8
Width of belt	6.8 in (17 cm)	6.8 in (17 cm)	6.8 in (17 cm)
Length of belt (long)	564 in (1,430 cm)	540 in (1,370 cm)	540 in (1,370 cm)
Length of belt (short)	557 in (1,410 cm)	533 in (1,350 cm)	533 in (1,350 cm)
Type of lace	Alligator rivet	Alligator rivet	Alligator rivet
Silage kit	Optional	Optional	Optional
<b>DRIVE SYSTEM</b>			
Driveline	540 rpm, standard lube, friction clutch or 1,000 rpm, cutout	540 rpm, standard lube, friction clutch or 1,000 rpm, cutout	1,000 rpm, extended lube, cutout clutch
Torque protection pickup	Radial pin clutch	Radial pin clutch or friction with slip-sensing	Friction with slip-sensing
Roller chains	Single 60 and 80	Single 50, 60 and 80	Single 50 (60, 80 — O-ring)
Bearing and sprocket configuration	Hex drive shafts and bearings	Hex shaft and bearings	Hex shaft and bearings
<b>TRACTOR REQUIREMENTS</b>			
PTO horsepower minimum	75 hp (63 kW)	80 hp (60 kW)	150 hp (110 kW)
PTO horsepower recommended	100 hp (70 kW)	100 hp (70 kW)	NA

SPECIFICATION	605S RANCHER BALER	605N BALER	605N CSS BALER
<b>PICKUP</b>			
Pickup type	Camless wide	Cammed wide	Cammed wide
Width tooth to tooth	77 in (200 cm)	77 in (200 cm)	77 in (200 cm)
Width on outside flair	91 in (232 cm)	90 in (230 cm)	90 in (230 cm)
Tooth bars	4	10	10
Number of teeth	(60) double rubber-mounted	(65) double rubber mounted	(65) double rubber mounted
Teeth spacing	2.8 in (7.1 cm)	3-1/16 in (7.8 cm)	3-1/16 in (7.8 cm)
Stripper bands	Poly	Steel	Steel
Flotation	Gauge wheels 4.8 — 16 HD semi-pneumatic with spring assist	Gauge wheels 7.1 - 16 HD semi-pneumatic with spring assist	Gauge wheels 7.1 - 16 HD semi-pneumatic with spring assist
Pickup lift	Hydraulic	Hydraulic	Hydraulic
3-year pickup coverage	Standard		
<b>CONTROL SYSTEM</b>			
Control system type	Atlas Pro™ control system	E-Link Pro display	E-Link Pro display
Display	7-in (18-cm) color touch screen	7-in (18-cm) color touch screen	7-in (18-cm) color touch screen
Field statistics	50 fields with names	20 customers with 10 fields each	20 customers with 10 fields each
Field statistics download	USB	USB	USB
Bale shape indicators	Standard — 2	Standard	Standard
Moisture	Standard up to 29%	Standard up to 27%	Standard up to 27%
Bales per hour	Standard	Standard	Standard
ISOBUS capability	Optional	NA	NA
<b>DENSITY</b>			
Bale density adjustments	Standard through control system monitor	Standard	Standard
Density readings	Digital gauge	Physical gauge	Physical gauge
Cylinder size	3 in (8 cm)	3 in (8 cm)	3 in (8 cm)
<b>BALE TIE SYSTEM</b>			
Twine system	Optional	Optional	NA
Netwrap system	Standard	Optional	Standard
Net gauge via control system	Standard		
Net tension control	Via mechanical adjustment	Via mechanical adjustment	Via mechanical adjustment
Net lift system	Optional	NA	NA
Extra roll storage	Standard	Standard	Standard
<b>FEATURES</b>			
Bale ramp	Hydraulic	Optional hydraulic	Standard hydraulic; Optional Inline® ramp
Auto Lube greasing system	Optional	Optional	Standard
Grease bank	NA	Standard	NA
Automatic chain lube system	Optional	Optional	Optional
LED maintenance lights	Optional	Optional	Standard
Fire extinguisher, safety chain	Optional	Optional	Optional
Scale kit	Optional	Optional	Standard

SPECIFICATION	504 PRO G4 BALER	604 PRO G4 BALER
<b>BALE SIZE</b>		
Bale diameter	36 in - 60 in (91 cm - 150 cm)	36 in - 72 in (91 cm - 180 cm)
Bale width	48 in (120 cm)	48 in (120 cm)
Maximum bale weight	2,400 lb (1,100 kg)	2,400 lb (1,100 kg)
<b>DIMENSIONS AND WEIGHTS</b>		
Length standard	205 in (521 cm)	213 in (541 cm)
Length with net	205 in (521 cm)	213 in (541 cm)
Length with ramp	205 in (521 cm)	213 in (541 cm)
Height	120 in (305 cm)	120 in (305 cm)
Width with standard tires	112 in (284 cm)	112 in (284 cm)
Tires	21.5L-16.1 flotation tire	21.5L-16.1 flotation tire
Weight fully optioned	10,250 lb (4,600 kg)	10,500 lb (4,800 kg)
<b>BALE FORMING CHAMBER</b>		
Drive roller size	7.1-in (18-cm) rubber and (1) 6.6-in (17-cm) steel	7.1-in (18-cm) rubber and (1) 6.6-in (17-cm) steel
Drum roller size	9.5 in (24 cm)	9.5 in (24 cm)
Idler roller size	6.6 in, 4.5 in (17 cm, 11 cm)	9.5 in, 6.6 in, 4.5 in (24 cm, 17 cm, 11 cm)
Start roller size	8 in (20 cm)	8 in (20 cm)
Belt type	Endless belts	Endless belts
Number of belts	4	4
Width of belt	11.2 in (28 cm)	11.2 in (28 cm)
Length of belt (long)	433 in (1,100 cm)	472 in (1,200 cm)
Type of lace	No laces	No laces
<b>DRIVE SYSTEM</b>		
Driveline	Standard: 540 rpm, standard lube, cut-out clutch Optional: 1,000 rpm, standard lube, cut-out clutch	Standard: 540 rpm, standard lube, cut-out clutch Optional: 1,000 rpm, standard lube, cut-out clutch
Torque protection pickup	Radial pin clutch	Radial pin clutch
Roller chains	Single 60, 80, 100 and double 80	Single 60, 80, 100 and double 80
Bearing and sprocket configuration	Round and hex drive shafts, greasable roller bearings	Round and hex drive shafts, greasable roller bearings
<b>TRACTOR REQUIREMENTS</b>		
PTO horsepower minimum	80 hp (60 kW)	90 hp (70 kW)
PTO horsepower recommended	110 hp (82 kW)	120 hp (90 kW)

SPECIFICATION	504 PRO G4 BALER	604 PRO G4 BALER
<b>PICKUP</b>		
Pickup type	Camless wide	Camless wide
Width tooth to tooth	73 in (190 cm)	73 in (190 cm)
Width on outside flair	78 in (200 cm)	78 in (200 cm)
Tooth bars	5	5
Number of teeth	(75) double rubber mounted	(75) double rubber mounted
Teeth spacing	2.5 in (6.4 cm)	2.5 in (6.4 cm)
Stripper bands	Poly	Poly
Flotation	Gauge wheels 7.10-16 HD semi-pneumatic with spring assist	Gauge wheels 7.10-16 HD semi-pneumatic with spring assist
Pickup lift	Hydraulic	Hydraulic
3-year pickup warranty	Standard	Standard
<b>CONTROL SYSTEM</b>		
Control system type	Atlas Pro™ control system	Atlas Pro™ control system
Display	7-in (18-cm) color touch screen	7-in (18-cm) color touch screen
Field statistics	50 fields with names	50 fields with names
Field statistics download	USB	USB
Bale shape indicators	Standard	Standard
Moisture	Optional up to 29%	Optional up to 29%
Bales per hour	Standard	Standard
ISOBUS capability	Standard	Standard
<b>DENSITY</b>		
Bale density adjustments	Standard through control system monitor	Standard through control system monitor
Density readings	Digital gauge	Digital gauge
Cylinder size	2.5 in (6.4 cm)	2.5 in (6.4 cm)
<b>BALE TIE SYSTEM</b>		
Netwrap system	Standard	Standard
Net gauge via control system	Standard	Standard
Net tension control	Standard through control system monitor	Standard through control system monitor
Extra roll storage	Standard	Standard
<b>FEATURES</b>		
Bale ramp	Spring-loaded	Spring-loaded
Grease bank	Standard	Standard
Automatic chain lube system	Optional	Optional
LED maintenance lights	Optional	Optional
Fire extinguisher, safety chain	Optional	Optional
Scale kit	Optional	Optional

SPECIFICATION	RANCHER 6650 BALER
<b>BALE SIZE</b>	
Bale diameter	36 in - 66 in (91 cm - 170 cm)
Bale width	61 in (150 cm)
Maximum bale weight	1,700 lb (770 kg)
<b>DIMENSIONS AND WEIGHTS</b>	
Length standard	160 in (410 cm)
Length with net	181 in (460 cm)
Length with ramp	171 in (434 cm)
Height	111 in (282 cm)
Width with standard tires	109 in (277 cm)
Tires	31x13.5-15
Weight fully optioned	5,850 lb (2,650 kg)
<b>BALE FORMING CHAMBER</b>	
Drive roller size	5.5 in (14 cm)
Drum roller size	12 in (30.5 cm)
Idler roller size	3.5 in, 4.8 in (8.9 cm, 12.1 cm)
Start roller size	4.5 in (11 cm)
Belt type	Standard mini rough top
Number of belts	8
Width of belt	6.8 in (17 cm)
Length of belt (long)	492 in (1,250 cm)
Length of belt (short)	482 in (1,220 cm)
Type of lace	Alligator rivet
<b>DRIVE SYSTEM</b>	
Driveline	540 rpm, standard lube, friction clutch
Torque protection pickup	Radial pin clutch
Bearing and sprocket configuration	Round drive shafts and bearings — hex shaft on drum
<b>TRACTOR REQUIREMENTS</b>	
PTO horsepower minimum	60 hp (45 kW)
PTO horsepower recommended	75 hp (56 kW)

SPECIFICATION	RANCHER 6650 BALER
<b>PICKUP</b>	
Pickup type	Standard
Width tooth to tooth	57 in (140 cm)
Width on outside flair	72 in (180 cm)
Width of Haysaver wheels*	87 in (220 cm)
Tooth bars	5
Number of teeth	(50) double rubber mounted
Flotation	Spring assist
Pickup lift	Manual
<b>CONTROL SYSTEM</b>	
Control system type	Bale Expert™
Display	Monochrome LCD screen
Bale shape indicators	Standard
Moisture	Standard up to 27%
<b>DENSITY</b>	
Bale density adjustments	Manual adjustment on relief valve
Density readings	Physical gauge
Cylinder size	2.5 in (6.4 cm)
<b>BALE TIE SYSTEM</b>	
Twine system	Optional
Netwrap system	Optional
Net tension control	Via mechanical adjustment
Extra roll storage	Standard
<b>FEATURES</b>	
Bale ramp	Optional spring loaded
LED maintenance lights	Optional
Fire extinguisher, safety chain	Optional
Scale kit	Optional

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