S-SERIES COMBINES

JOHN DEERE

Harvest in Record Time

HARVEST IN RECORD TIME. THE NEW S-SERIES.

Start your next harvest season with a combine that makes it easy for you to get the best out of your crop, even in tough conditions. The new S-Series not only increases your productivity and efficiency but also reduces your total cost of harvesting – and that's something you can rely on in every situation.

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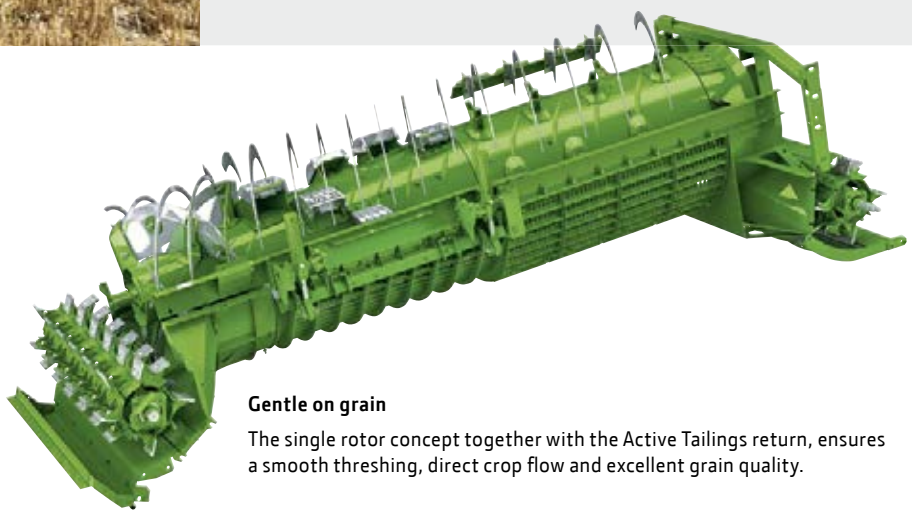
New DynaFlo Plus Cleaning system

The new cleaning system provides most efficient cleaning of grain combined with lightweight construction ensuring maximum performance and reliability.



Gentle on grain

The single rotor concept together with the Active Tailings return, ensures a smooth threshing, direct crop flow and excellent grain quality.

WORLD LEADING TECHNOLOGY UNRIVALLED PERFORMANCE

The single rotor combine is the logical evolution of years of designing, testing and listening to customers. Conventional combines offer excellent performance in specific areas. But single rotor combines are simply better all round.

John Deere invests more than any other agricultural equipment manufacturer in research and development. Now we've created the S-Series. Developed in Europe, it's also built in Europe.

Designed for heavy, dense crops and high capacity, it doesn't just harvest more tonnes per hour, it minimises losses and broken kernels so more than 99% of the grain goes into your tank and that means more money in your pocket.

UP TO 5%
MORE PERFORMANCE

WITH 40K IN MINUTES
TO THE NEXT FIELD

EXCEPTIONAL GRAIN QUALITY
LOWEST COST OF OPERATION

THE BASIS FOR TOP PERFORMANCE: CUSTOMER FOCUS, TRUST AND RELIABILITY

In designing the new S-Series, we fully focused on the needs and wishes of our customers: more performance at low loss levels even on hillsides going up-or downhill, less sensitivity and easier adjustment of the whole combine to make the operation of the combine possible even for inexperienced drivers. Weather turbulences resulting in down crop occur more often which can slow down harvesting quite a lot.

Increasing distances to fields and more contracting work are also trends we observed. But also we notice the need to train operators more professionally and manage people, machines and data though more professional systems.

BETTER THAN EVER: CLEANING SHOE, FEEDER HOUSE AND DATA MANAGEMENT FUNCTIONALITY

The new DynaFlo Plus cleaning shoe got optimized by our engineers from ground up. Through the adjustment of the crop flow and air flow speeds, we were able to achieve maximum throughput and minimal losses. We did not just extend the cleaning shoe to the rear – we completely re-designed it. We have kept proven elements such as the pre-chaffer and the fan type. We consciously decided against including active cleaning shoe leveling due to the excellent performance of our cleaning shoe on slight side slopes. This was the result of our research, and confirms what our customers already know: "If there's a side slope, you need HillMaster. But for slopes under 7%, you can do without."

“MADE IN GERMANY”
QUALITY FROM ZWEIBRÜCKEN
SINCE 1863

EVERY IDEA HAD TO MEET OUR STRICT REQUIREMENTS.

We did not pursue any idea that did not fulfill our strict requirements for user-friendly operation and maintenance. We also deployed forward-thinking technologies from other industries. For example, our cleaning shoe now features lightweight aluminum components. Our tests have led to the development of completely new connections with rivets that are commonly used in aircraft construction. This cleaning shoe has already proven itself by withstanding over 2,500 hours on the test bench.

We’re well-known for our reliability – and this continues to be the main goal of our development.

JOHN DEERE HAS BEEN BUILDING COMBINE HARVESTERS SINCE 1927. WE ARE THE LARGEST COMBINE HARVESTER MANUFACTURER IN THE WORLD. TO DATE, OVER 750,000 JOHN DEERE COMBINE HARVESTERS HAVE BEEN PRODUCED.

Over 20,000 hours testing in 53 countries and 36 different crop types makes the S-Series the most widely tested combine ever. That testing told us that no one combine configuration would meet every customer need.

European dense and high yielding conditions require adapted threshing and separating configurations for those tough conditions. No till or minimum till farming practice demand best in class chopping quality and residue distribution. This is why uniquely developed residue packages are available for European conditions. Due to the wide range of individual options John Deere ensures the outstanding performance of the S-Series combines in all crops and conditions.

Test field test included not only wheat and canola but also rice, soja, wet corn, grass seed and many other crops to be found in different areas of Europe. From dry Spanish fields up to the wet challenging rape and wheat conditions around the UK and the Baltic coast.

1

Spacious cab

Excellent all-round visibility and low noise level. With a volume of 3.34 m³ and total glass area of 5.39 m² it is one of the largest cabs on the market. Thanks to better insulation it is now quieter than ever.

2

John Deere Remote Display Access

Dealer can view the cab display remotely to offer advice on adjustments and settings.

3

Speeds up to 40 km/h

Exclusive ProDrive automatic transmission with a top speed of 40 km/h and fuel efficient engine-speed managemen.

4

Large grain tank ultra fast unloading

We not just claim it – we have it: 14,100 l tank size and 135 l/sec unloading rate truly optimize logistics in the field. Simply the biggest in the market.

Performance where it counts. Everywhere.

From cutting to residue management, from the field to the road, from first use to the end of the season – the S-Series will support you with clever technology, valuable features and innovative services so you can work faster, more comfortably and efficiently – for top performance under all conditions.

THE NEW 600X
HEADER WITH THE LONGEST
ADJUSTABLE TABLE LENGTH

9

Wide range of headers

True multicrop performance. No matter if standard, flex or variable header or performance increasing belt headers – we have them all!

10

Hydraulically tiltable feederhouse

Increases harvesting speed in down crop conditions up to 20% as the driver can adjust the distance of the cutter bar to the ground and improve the crop flow.

11

Fast Crop Conversion:

You can convert the whole combine from crop to crop in only few steps to stay flexible during harvest.

12

660 mm (26 inch) wide suspended tracks at 3.5 m width

For maximum soil preservation all wheels touch the ground. A large footprint of 1.18 m² is achieved at a transport width of 3.5 m.

Active tailings system

Gentle threshing with real rasp bars. Soft to the grain for low grain damage. More capacity thanks to less load at the rotor and an even spread on top of the cleaning shoe.

Air compressor

Fast and simple cleaning with the integrated air compressor.

New Engine Technology

Stage IV engines with up to 625 hp and the highest efficiency for Diesel and DEF consumption.

Flexible residue management

Switch between chopping or dropping at the touch of a button.

5 6 7 8

14,100 L GRAIN TANK
AND UNLAODING RATE
ON THE MARKET

VARI-STREAM ROTOR
AND LARGE DYNAFLO PLUS
CLEANING SHOE

13 14 15

DynaFlo Plus cleaning shoe

Innovative light-weight aluminium cleaning shoe and 12% increased sieve area combined with an optimized air flow.

Active concave isolation

Thanks to the hydraulic support of the concave a higher throughput in tough crop conditions is achieved.

Top Performance with ease

The new cleaning system is extremely simple to set. Even when not fully optimised, the cleaning shoe has and extremely stable performance curve which results in minimal losses.

600X HEADER:
CONVERT IN THE FIELD
IN JUST 5 MINUTES

What kind of header do you need? A flexible all-rounder or a specialist for specific challenges? John Deere offers you a wide range of harvest headers so you can find just the right solution tailored to your needs and expectations – giving you complete peace of mind that you are always using the full potential of the S-Series. John Deere gives you a choice of headers with passive crop flow (600R, 600F, 600X) or active crop flow (600PF or 600D) in varying widths.

Further information about John Deere headers can be found in the header brochure.

Convert from crop to crop in just 5 Minutes with the 600X Header

THE IDEAL HEADER FOR EVERY CROP

600R AND 600F

The 600R range has a field-tested, proven design incorporating optimum features to improve your harvest. It has all the components you've come to expect from John Deere, including a large diameter auger, stainless steel feed plates and the linear knife drive. The 600F features a flexible knife that can be raised or lowered by 15 cm and is controlled directly from the cab – making it perfect for harvesting close to the ground. A rapeseed header attachment is available for both versions.

600PF

The 600PF header with head-first crop flow processes short stalked grains, laid and long-growing crops with the same superb efficiency, consistency and 10% more performance than the 600R. It takes just 15 minutes to convert for rapeseed. The new 640PF with a large 760 mm auger diameter is the ideal partner for a large S-Series in tough rape seed harvesting conditions.

600X

The ultimate header for harvesting a variety of crops, with an unbeatable conversion time of under 3 minutes without the need for tools. With the longest table on the market, you won't lose any grain and thanks to the longest adjustable table length of 800 mm, you can also respond to changing conditions in the field from the comfort of the cab. With up to 6 individual fixed sensors adjusting the height of the table, your field will look like it has been given a close shave.

600D

The 600D* also features a head-first active crop feeder. The crop is transported along a rubber belt. The height control, via gauge wheels, and optional sensors, as well as the hydraulic cutting height adjustment, make for the perfect stubble height. A rapeseed kit is also available.

SPECIALIST 600C

The 600C corn header offers you maximum reliability due to its strong chains and unique loss-minimising collection concept. Headers up to 16 rows, rigid or folding including header trailer solutions for the larger heads are available in different row spacings.

*Not available for combines with the Hillmaster system

XTRA CAPACITY FEEDERHOUSE: PERFECT CROP FLOW AND THRESHING FROM THE VERY BEGINNING

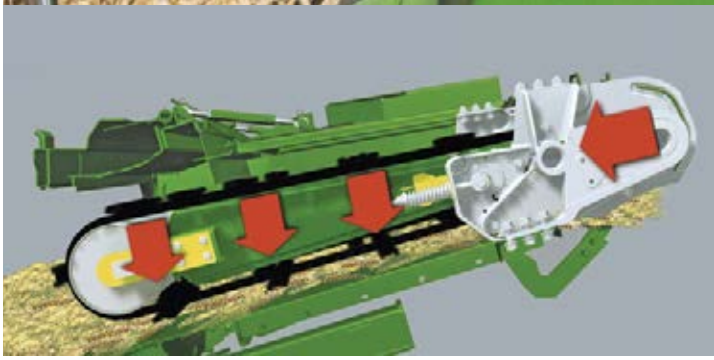
The robust S-Series feederhouse is the ultimate foundation for perfect results. The heavy duty chains and large feeder slats are designed for the toughest of conditions such as corn or rice harvest. The new wear plates are durable and do not need to be changed in your machine's lifetime. The slip clutch has an incredible capacity of 1200Nm forward and 1400Nm reverse. What's more, largest small grain and corn headers can be used in the highest yield conditions.

In the event that the feederhouse becomes blocked, the strongest mechanical reverser will help get everything out easily and begin harvesting again as quickly as possible. Headers of up to 12.20 m width (up to 9.15 m in the HillMaster version) as well as chopping corn headers of up to 16 rows are no problem at all.

Pivoting mid floor concept

The exclusive pivoting mid-floor concept of the S-Series contains full length extension from pivot point forward to the feed drum which enables more feeding capacity by deflecting the entire internal feederhouse components instead of only the front drum.

Especially in high volume crops this feature ensures better engagement of crop material and smoother conveyance to the threshing and separating components of the combine.



Variable Speed for large corn heads

The exclusive 5-speed PowerShift transmission matches crop conditions, intake and ground speed via a button on the multi-function control handle. It can transmit up to 202kW to corn heads up to 16 rows large.

High capacity

The wide cross-section and low profile roller increases throughput and the 4 chain feeder system handles dense, high yielding crops

1200 NM SLIP CLUTCH
DESIGNED FOR
MAXIMUM CAPACITY

Excellent visibility

The long feederhouse and low angle gives the operator a clear view to the header.

Rapid unblocking

In the unlikely event the feederhouse becomes blocked, the powerful reverser will get you harvesting again in moments.

Quick header hook-up

The multi-lever coupler connects all the hydraulics and electrics as well as the header latching pins with one operator movement.

50% MORE FEEDING CAPACITY COMPARED TO HYBRID COMBINES

3 equal crop streams

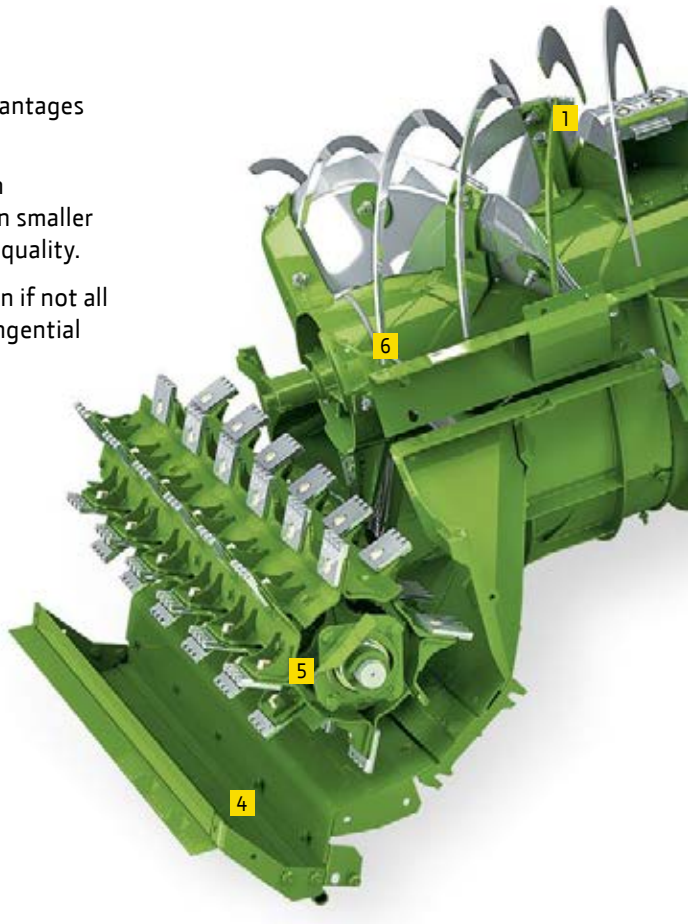
The 270° feeding concept is unique to John Deere. It ensures a smooth transition from a tangential crop flow from the beater to an axial crop flow for the rotor. More space in the front of the rotor makes this transition easier and less power consuming. Power which can be used for more effective threshing.

Single rotor
Multiple tasks: threshing

The single rotor is what makes the S-Series so unique. It gives you clear advantages over other, more traditional and hybrid systems:

Instead of splitting the crop flow up in two it keeps a single crop flow which consumes less power. the large rotor diameter generates higher inertia than smaller rotors enabling lower rotational speeds. The result? Better straw and grain quality.

The “crop on crop threshing” of the rotor allows the efficient threshing even if not all crop hits the concave resulting in a far wider “cross section area” than a tangential threshing system.



ONE COMBINE – ALL CROPS

It doesn’t matter if you’re harvesting large areas of a single crop or moving from crop to crop the S-Series offers true multi-crop capability. Tested in 36 different crops, you can customise every single component from the header through to the rotor and residue management system.

Crop conversion is done fast and easy with excellent access to the rotor and fast header conversion e.g. of the 600X. Conversion from small grain to rapeseed can even be done at the touch of a button. The dual range separator drive can be shifted easily with one lever to change the speed for e.g. corn harvest.

FAST stone trap

4

Effective stone protection

Large stones simply fall into the Feed Accelerator Stone Trap (FAST) before they can enter the machine and cause any damage.

1

Heavy Duty Grates

Heavy Duty Separator grates with dual row interrupter bars are available for tough, green small grain conditions to losen up the crop mat and improve separation capacity.

2

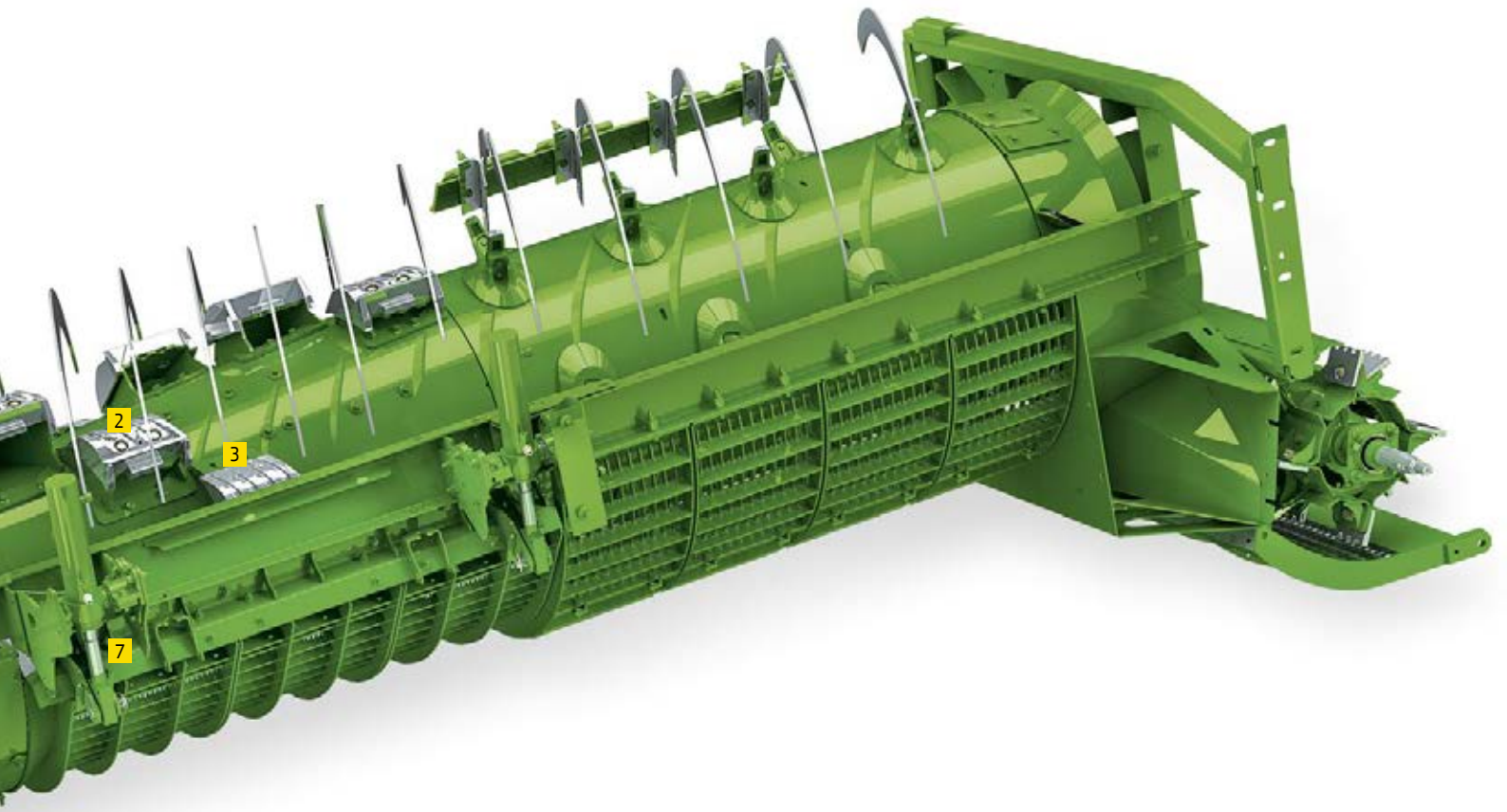
Progressive threshing

The thickness of the straw mat is reduced over the conical threshing area. In the front area the easiest to thresh grain is removed through gentle and efficient crop on crop threshing. In the rear part of the cone the remaining crop is threshed. The overall effect is a very gentle threshing for the best possible grain quality and the highest power efficiency.

3

Even transition

The discharge beater ensures reliable and even feeding of the chopper. The grate underneath the beater adds additional separation capacity.



A SINGLE ROTOR CONCEPT CONFIGURED TO FIT EUROPEAN CONDITIONS

5

High capacity feeding

The 8 wing beater improves feeding, reduces noise levels and lowers power consumption.

6

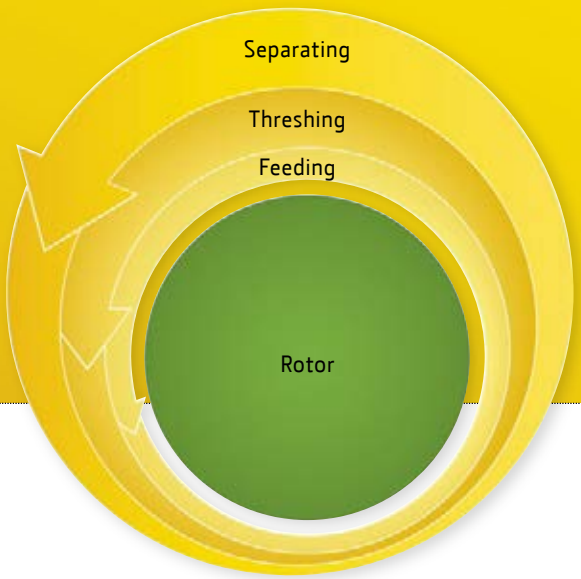
Even feeding

The crop is divided into 3 equal streams for balanced loading of the rotor. This maximises the capacity of the rotor. It also preserves straw quality as it prevents crop building up in one part of the rotor with potential damage the straw.

7

Active Concave Isolation (ACI)

Maintains a consistent concave clearance for more performance in large crop yields and uneven feeding. Enables to run the concave wider for more crop on crop threshing.



'Pull and release' threshing and separating

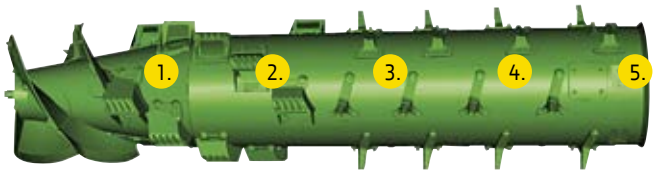
The off centre rotor creates a 'pull and release' effect with the crop compressed at the bottom as it passes the grates and is then released as it moves towards the top of the rotor. This produces a mixing effect which moves the grain to the outside of the crop flow where it is separated through the grates far more efficiently.

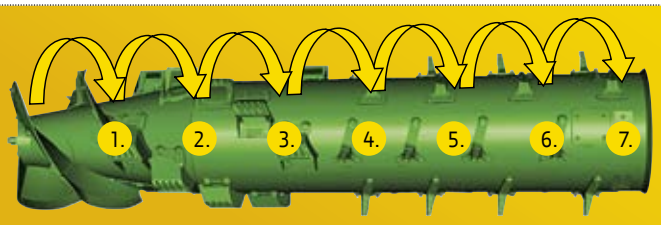
1

Single rotor Multiple tasks: separating

In the rear part or the rotor separation of the remaining grains becomes pre-eminent. John Deere exclusively offers you to choose from two rotor types: We recommend the TriStream Rotor for lower MOG (material other than grain) conditions.

The VariableStream Rotor is more more conical in the front. Also the amount of time crop stays in the rotor can be changed out of the cab. This will vary thresh intensity to react to moist or dry conditions during the day. The Variable stream rotor is recommended in rice, where conditions which are damp, wet and green or in tough straw conditions.





VariableStram Rotor – be flexible to conditions

On the S-Series the cropflow can be slowed down or speed up out of the cab. The operator can choose between two settings. In the standard position the crop makes 7 full rotations for higher separation of grain. However, if the operator wants to improve straw quality or reduce chaff load on the cleaning shoe in brittle conditions, he can switch to the advanced position. In this position the straw exits the rotor after only 5 rotations.

2

High inertia separating

The rear section of the rotor is designed for maximum separation. Here the diameter of the rotor and the inertia created is the biggest. This leads to increased separation versus competitive solutions with smaller rotor diameters. The large fingers lose up the crop mat and make sure trapped grain can escape from the straw.

3

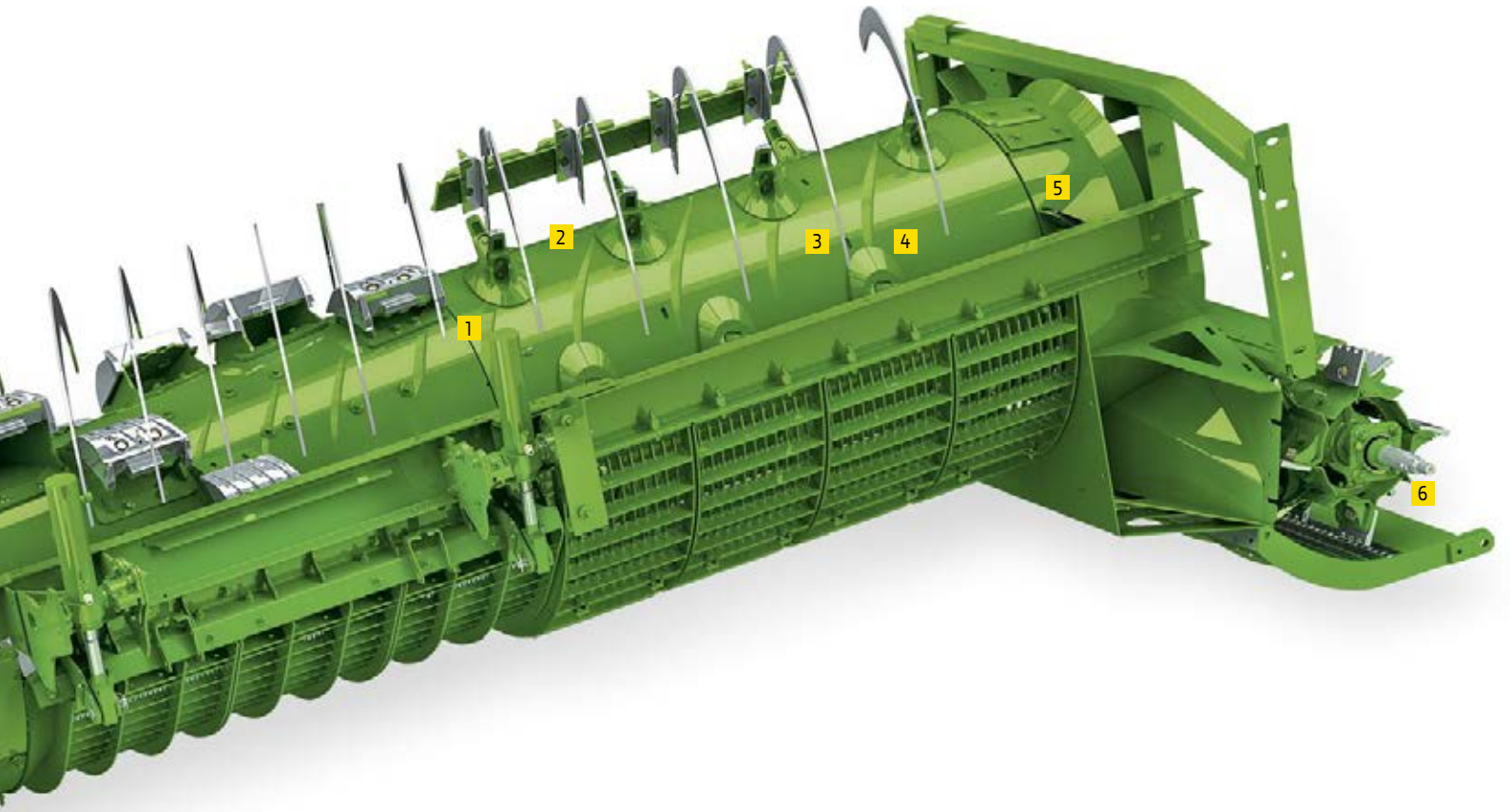
Adjustable top vanes

At the John Deere exclusive variable stream rotor the top vanes can to keep the material longer or shorter in the rotor for more aggressive separation or better straw quality.

4

Replaceable separator tines

The use of separation tines instead of separation elements improves the mixing effect and helps move the grain to the outside of the crop flow for better separation, even in tougher, green straw conditions.



VARISTREAM ROTOR
BETTER CROP AND GRAIN SEPARATION
WITH ONE SWITCH

5

Low energy discharge

The tapered rear cone allows material to expand before it is discharged through the 8-wing discharge beater. This improves power efficiency and straw quality.

6

Even chopper feeding

The discharge beater pulls crop out of the rotor instead of the chopper which preserves the stalks. The impellers provides even distribution of the crop to avoid plugging and feed the entire width of the chopper. This ensures lower knife wear, better chopping quality and more efficient distribution.

Simple adaption from crop to grass

With its 2 speed fan drive, the cleaning fan can be converted from crop to grass in a matter of minutes. Simply adjust the belt instead of having to swap the pulley.

1

Designed for high yields

The returns are guided back through the cylinder and distributed evenly over the entire width of the threshing cylinder. The material is recorded and then displayed in the cab via the electronic sensors. To manually check the return constituents, there is an inspection flap just outside the cab door.

2

The new DynaFlo Plus cleaning Shoe: Large, Light and less sensitive

How can you considerably enlarge the sieve surface without adding any weight to the overall combine? The developers at John Deere have found a brilliant answer to all of these questions. The use of an innovative, lightweight design and an aluminium structure resulting in reduced weight, which reduces peak engine loads and cuts down on vibration. Performance wise this means the harvested crop stays on the sieves longer, maximising cleaning time and minimising losses.

The S-Series is designed for the highest capacity. With a total sieve area of 5.10 m² according to international standards (ANSI/ASAE S343.4 T – the area of the opening if the louvers are removed, not counting include the finger, step pan or waterfall area) this is one of the largest cleaning shoes on the market.

5

Through intensive testing, we have developed a completely new combine cleaning system which is resistant to adjustment errors.

For optimum results in changeable conditions, it does not need to be constantly readjusted, making life considerably easier for the operator.

6

Conveyor augers

The heavy duty conveyor augers ensure active crop flow on slopes and under tough harvest conditions, meaning the cleaning shoe can be evenly loaded even in damp or sticky conditions.

3

New fan desing

The new fan ensures peak performance with up to 740 m³ of air generated. A steep pressure curve delivers high pressure and less volume loss. About 30% goes to the front chaffer at high speeds the rest goes to the rear chaffer and sieve.

4

2-Stage Pre-Cleaning

Unique to the S-Series is DynaFlo Plus cleaning shoe is the additional fixed raised front chaffer which helps thin the crop mat and the raised front chaffer which cleans up to 40 percent of the free grain before it reaches the main chaffer. A key difference to the W/T series as it adds not only more area but also more effective separation to match the capacity of the S-combines.

ONE OF THE
LARGEST CLEANING SYSTEM
ON THE MARKET WITH UP TO 5.9 M²

7

7% Hillside Performance in base 22% Optional

The sieve, with its considerably enlarged surface, offers highest cleaning performance. Thanks to SlopeMaster, you can effortlessly conquer slopes of up to 7%. The large sieve area and the perfect air distribution reduce further possible cleaning shoe losses on light slopes. For slopes up to 22%, HillMaster slope compensation comes in handy because it not only reduces walker losses but also cleaning shoe losses.

8

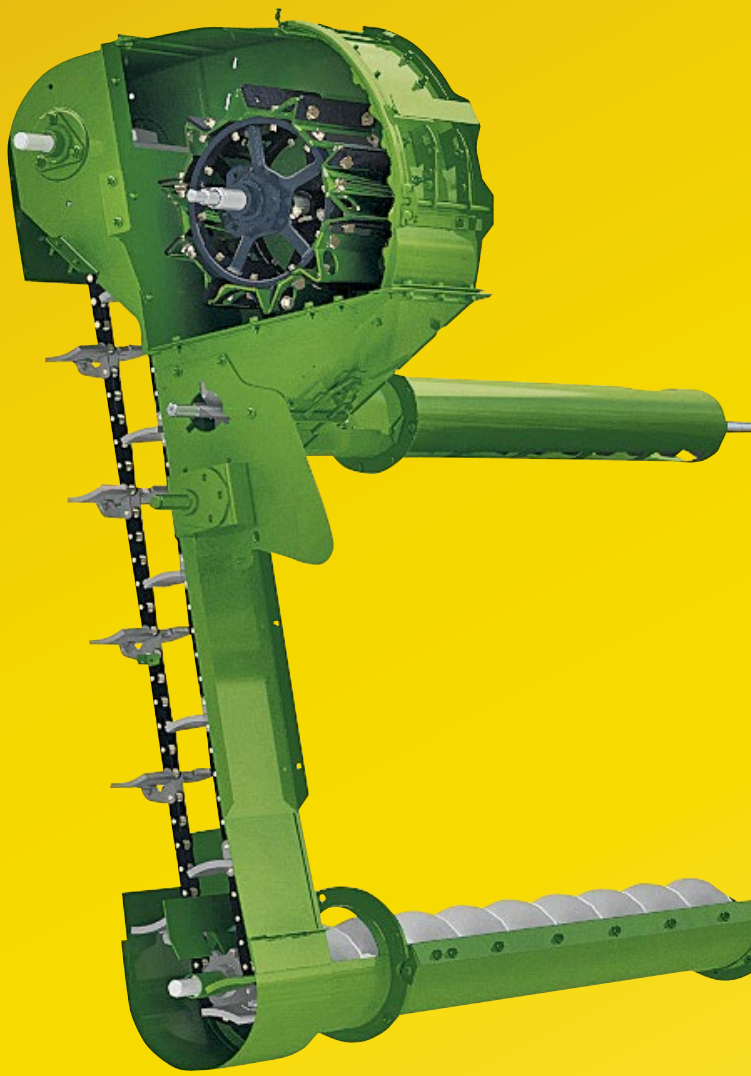
Easy removal

The new sieves are provided with mounts that can be installed and removed in a matter of minutes.

ACTIVE TAILINGS MANAGEMENT – PERFECTION IN ACTION

The active tailing system is a major feature of the S-Series. It increases the capacity of the combine by taking care of tailings separately and makes adjustment of the combine easier. It delivers better grain quality at low loss levels and contributes to more quality straw output and lower fuel consumption.

Thanks to the re-thresher taking care of tailings the concave can be opened more widely which lowers power- and fuel consumption and improves straw quality. The bottom sieve can be opened as well as tailings are less which increases capacity.



PROTECTING GRAIN QUALITY

The elevator with rubber paddles lifts the material constantly up to avoid material piling up being “processed” multiple times.

GENTLE THRESHING

A “mini”-threshing drum with real rasp bars and concave separates kernels still sitting in the ears. Focus is again to be not too aggressive and to avoid grain damage. The concave has two settings controlled by a spring lever to switch between small grain and corn fast and conveniently.

EVEN DISTRIBUTION ON THE SIEVE

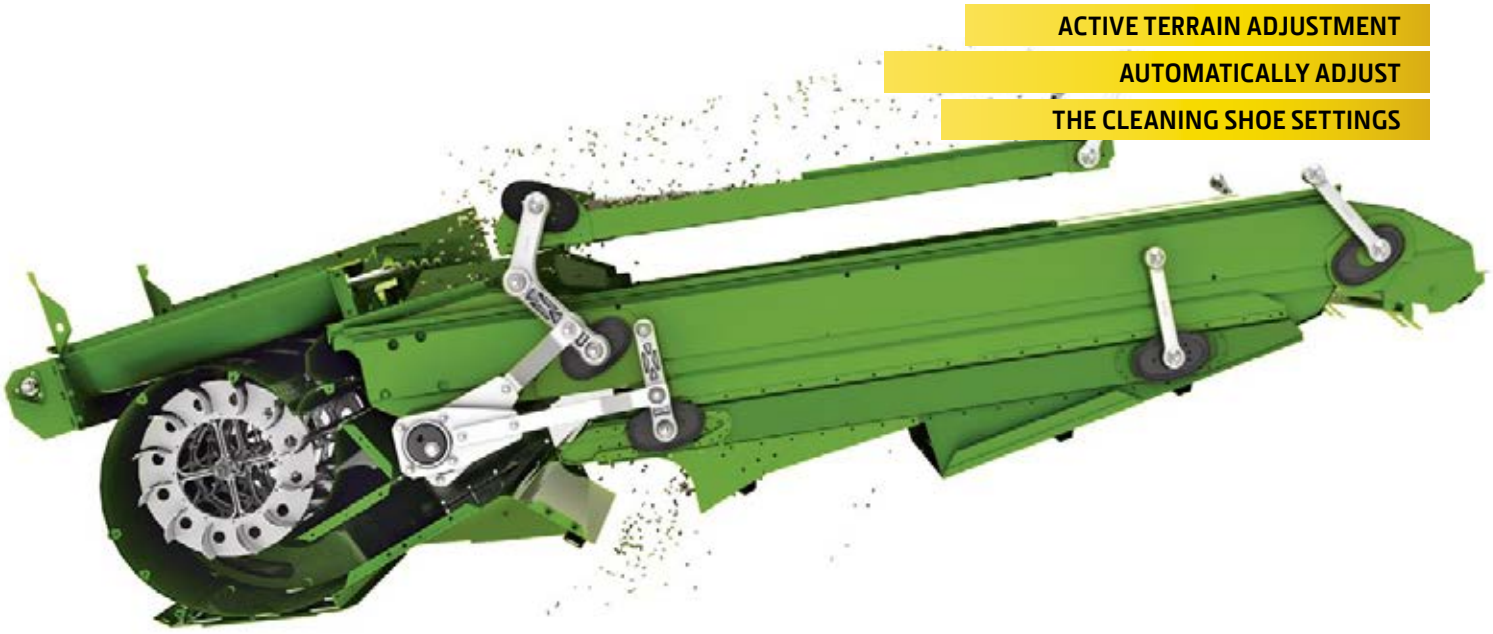
The material is distributed by an auger on top of the chaffer again. The opening at the bottom of the auger is in a triangle shape so material is spread evenly instead on of dropping it at one spot to avoid punctual overload of the cleaning system.

ACTIVE TERRAIN ADJUSTMENT

If you have rolling terrain in your field and need to go uphill or downhill frequently, **Active Terrain Adjustment** automatically adjusts fan speed, chaffer position and sieve position.

This exclusive system considers even the type of crop harvested. As rape seed for example is very sensitive to fan speed changes the chaffer and sieve settings are changed first before adjusting the fan speed.

Overall the combine will maintain ground speed and minimize grain loss with the varying landscape changes. Active Terrain Adjustment increases total combine capacity on uphill slopes to drastically reduce grain loss. And it reduces your tailings and gives you a cleaner grain tank sample, too. But perhaps the most impressive thing: All is done automatically so the operator can focus on the harvest operaion.



Uphil Slopes

Going up a hill both the chaffer and sieve are opened while fan speed is reduced to keep grain from going out the rear. The cleaning system performance increases up to 40% in inclines up to 10 degrees.

Downhil Slopes

On declines, the chaffer and sieve close, while fan speed increases to keep grain from pushing towards the front of the machine.

The tailings volume is reduced by up to 50% resulting in a cleaner grain tank sample and avoiding discounts due to poor samples.

HARVEST WITHOUT COMPROMISE, EVEN ON SLOPES

SLOPES OF UP TO 7%

John Deere has created a series of simple solutions aimed at avoiding cleaning shoe losses on light hillside locations:

The conveying augers move the material evenly onto the cleaning shoe. The slope divider plates on top of the chaffer sieve prevent crop escaping when going downhill before it has been cleaned.

For cleaning, there's nothing better than a large sieve surface – except an even larger surface. With the S-Series, the material is cleaned for a longer time on our extra-long and extra-large sieves.

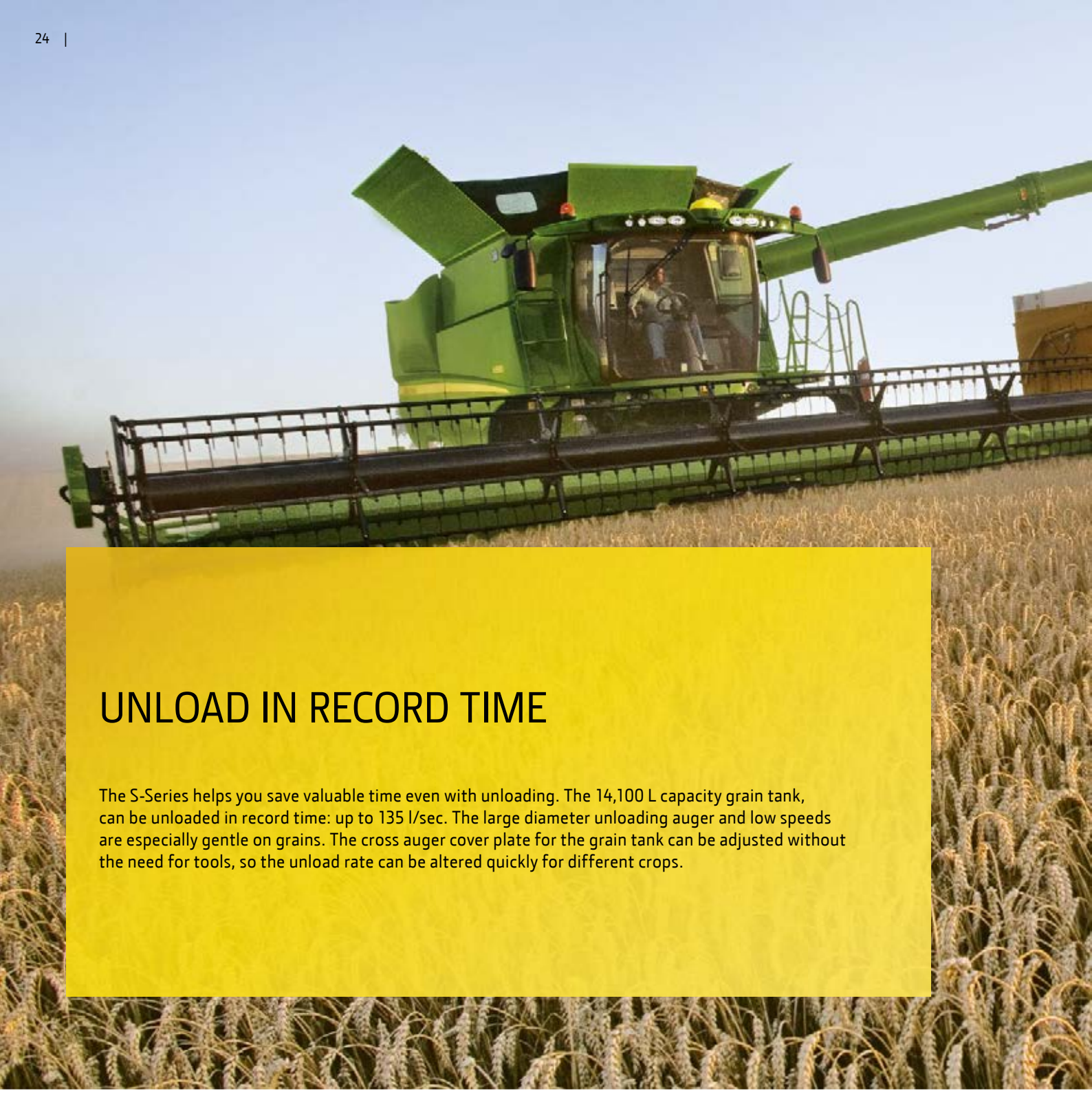
22% SLOPE COMPENSATION WITH HILLMASTER

HillMaster is available for from the S670 to the S690. Since the grain tank stays level, you can fill it right up and save on unloading stops. The improved side-to-side weight distribution gives you more traction and stability and the level cab helps operators stay focused and productive all day.

HILLMASTER

100% PRODUCTIVITY ON

SLOPES OF UP TO 22%



UNLOAD IN RECORD TIME

The S-Series helps you save valuable time even with unloading. The 14,100 L capacity grain tank, can be unloaded in record time: up to 135 l/sec. The large diameter unloading auger and low speeds are especially gentle on grains. The cross auger cover plate for the grain tank can be adjusted without the need for tools, so the unload rate can be altered quickly for different crops.

Visibility is excellent too. With a large rear window, you always have a clear view into the illuminated grain tank and you can always take a sample from next to the cab. The HarvestMon system can determine the grain through the mass flow sensor. This system is simple, reliable, can withstand side slopes and is easy to calibrate. Relevant data is displayed in the cab and can be recorded on the optional GreenStar 2630 and can be transferred to the Operations Center on MyJohnDeere.com – either manually via USB device or automatically via Wireless Data Transfer (WDT).

NON-STOP HARVESTING AND ON-THE-GO UNLOADING

The electronic engine management provides up to 37 KW/50 hp extra performance during unloading while driving so you can continue harvesting with full power. With John Deere Machine Sync, the combine operator can have the trailer drive alongside the combine while unloading. Once in position, the combine operator can control the ground speed and steering of the trailer. Grain trailer operators can see the grain tank levels of all working combines and can be “called” to empty the fullest tank. This saves time, diesel, nerves and minimizes soil compaction.

LESS UNLOADING CYCLES

LESS TIME LOST UNLOADING

OPTIMUM FILLING OF THE TRAILERS

EASIER IN-FIELD LOGISTICS

LESS GRAIN SPILLAGE DURING UNLOADING

NO DAMAGE OF WINDROWS FOR PERFECTLY DRY STRAW

Space-saving fold

The optional folding 6.90 m or 7.90 m unloading auger saves space during storage in your barn and helps manoeuvring in tight spaces.

Improved visibility

A camera mounted on the unloading auger spout improves visibility. To ease unloading on the go the picture can be transferred wireless into the cab monitor of the tractor driving next to the combine.

Unloading auger

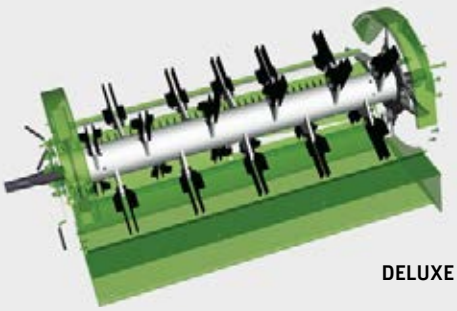
Unloading augers in various length offer the possibility to unload on the go and maintaining sufficient clearance to operate headers up to 12.20 m for unloading on the go.

RESIDUE MANAGEMENT SYSTEMS DESIGNED TO PERFORM RIGHT FROM THE START

Our residue management offers a choice of 3 different chopper systems suiting your operation. It is designed to perform from the very beginning to enable fine cut, even and wide spread or a good straw quality for baling.

Our Premium and Intermediate systems are equipped with a 100 knife, extra fine cut chopper, making sure it can be incorporated into the soil easily to release the full fertilization effect as fast as possible.

Our Premium system also let's you switch from dropping to chopping at the touch of a button. It's a real time-saver that soon pays for itself. For example you can quickly go for chopping headlands or parts of the field with low yields or green straw.



DELUXE

PREMIUM

	DELUXE	INTERMEDIATE	PREMIUM
Chopper type	Fine cut	Extra fine cut	Extra fine cut
Knives/Counter knives	44/39	100/49	100/49
Chopper rpm	2500	3000	3000
Electronically adj. vane tailboard	option	●	●
Power Cast	option	X	X
Advanced Power Cast	X	option	option
Overshot beater with straw slide	X	X	●
Chop to drop	X	X	●

SMALLEST RESIDUE SIZE FOR BETTER QUALITY BALES AND FAST DECOMPOSITION

DELUXE

- 44 rotating and 44 stationary counter knifes
- 2 manual adjustable speeds
- 3 minute manual conversion between chopping and dropping
- Chaff is distributed through the chopper or is dropped below the windrow. No separate chaff spreader needed
- No overshot beater and therefore less power required and less weight compared to premium chopper
- Chops well in dry straw
- Electrically adjustable tailboard for spread width up to 9 m

INTERMEDIATE

- 100 knife chopper produces one of the finest cut of straw on the market
- Two manual adjustable chopper speeds
- 3 minute manual conversion between chopping and dropping
- Chaff is distributed through the chopper or is dropped below the windrow. No separate chaff spreader needed
- No overshot beater and therefore less power required and less weight compared to premium chopper
- Electric Vane Tailboard or ActivePower Cast (APC) with two hydraulically driven enclosed discs (recommended above 9 m header width)

PREMIUM

- 100 knife chopper produces one of the finest cut of straw on the market
- Two manual adjustable chopper speeds
- Chop to Drop – switch from chopping straw to dropping windrows at – the touch of a button
- Chaff is distributed through the chopper or is dropped below the windrow. No separate chaff spreader needed
- Overshot beater blows chaff to the side of the chopper, away from the windrow, for bales without chaff
- Electric vane tailboard or Active Power Cast (APC) spreader (recommended above 9 m header width) with two hydraulically driven enclosed discs and a center divider with pendulum motion (left/right)spreading the material evenly

ADVANCED POWER CAST ACTIVE SPREADER

If you are looking for even distribution of the chopped straw this option is the ideal solution. The position is low in height to reduce the exposure to side winds. Same time it accelaerates the straw to a maximum speed to enable an even spread pattern.

The direction of spread as well as the spread width can be conveniently adjusted out ofthe cab. When changing driving direction a push at a button is sufficient to mirror the direction of spread as well.

GET THERE QUICKER, BE DONE FASTER

Spend more time harvesting and less time travelling between fields. With its automatic ProDrive transmission, the S-Series allows speeds of up to 40 km/h on roads.

INTELLIGENT SPEED MANAGEMENT TO SAVE FUEL

The intelligent engine speed management system reduces the engine speed on roads, saving fuel. And the overall width with tracks is just 3.50 m to pass narrow roads, bridges etc

FOUR WHEEL DRIVE TO MOVE ON IN TOUGH CONDITIONS

The optional four-wheel drive in combination with the front-differential lock and increase torque on the Pro-Drive transmission even bad weather can't stop you from bringing in your crop.

Push button shifting

Shifting is made easy by the optional push button shit transmission. Simply bring your combine to standstill, push one of the three buttons and let the combine do the rest. Once you bring the joystick into the neutral position the park brake is engaged automatically.

CRUIZE
BETWEEN FIELDS IN COMFORT
AT 40 KM/H

The ProDrive advantage

ProDrive transmission gives you precise control of your ground speed across two infinitely variable speed ranges. You simply set one range for your typical harvesting speed and the other for transport. All you then have to do is press the button for your chosen range and control the combine's speed within that range by pushing and pulling the hydro lever. There's no need to stop to change gear. It delivers you 64% more torque at a harvesting speed of 8 km/h to pull through tough spots or go uphill with the full grain tank.

ProDrive also saves you money. Engine Speed Management automatically controls the engine's rpm during road transport. The result is fuel savings of 10 to 20%.

Maximum traction
All conditions

The John Deere tracks spread the load evenly over all five traction wheels. So, in challenging conditions, you're still harvesting when others have stopped. And the best: You decide when to put them as tracks and wheels are interchangeable anytime.

The closed loop hydraulic system also means power is delivered smoothly and evenly. It helps minimise any potential soil damage and ensures excellent traction, even at low speeds.

Thanks to the narrower body of the S-Series we were able to build tracks that are shorter, but wider. This gives you an extra large footprint for maximum traction and it spreads the load across a wider area. So you'll also enjoy lower soil compaction and avoid the additional cost of deep tillage. The shorter track length also has the added advantage of reducing soil damage at headlands.

MAXIMUM TRACTION
REDUCED SOIL COMPACTION
LOWER TRANSPORT WIDTH

3

Low compaction

With a massive 1.18 m² of contact area per side, the advantages of tracks over tyres are easy to see. You'll be able to keep harvesting in wet conditions when conventional wheel driven machines have long stopped.

4

Off-Center pivot point

The low turning point of the track unit lead to pivoting upwards of the tracks instead of downwards. In muddy conditions the track unit is not pushing itself deeper into the ground but rather out of the dirt.

1

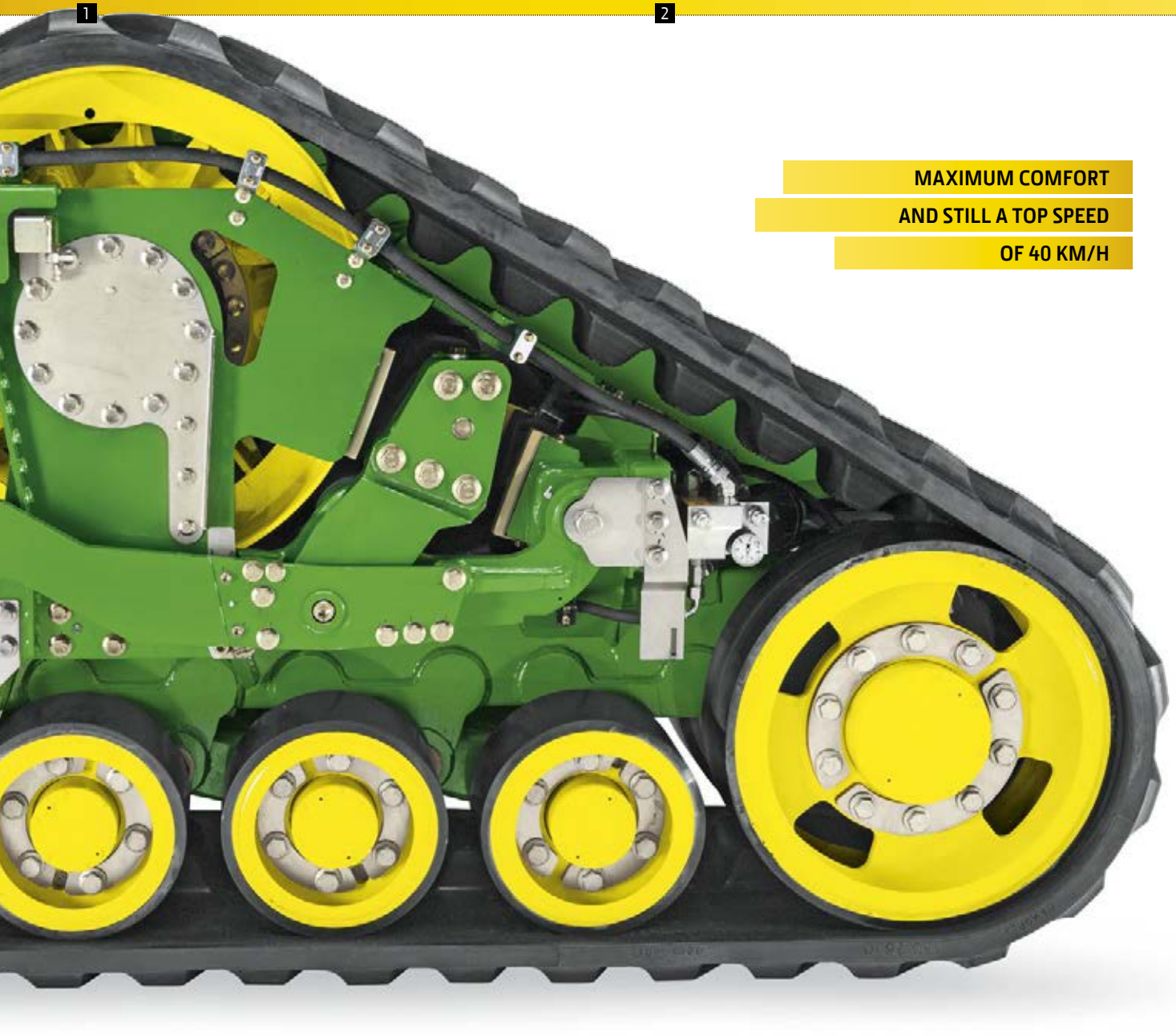
Excellent traction

Our tracks feature a drive wheel which grabs the rubber teeth inside the belt to move it forward. There is no slippage as the system does not rely on friction like others. Add to this our belt with optimised tread pattern and you'll enjoy better traction in muddy and wet conditions.

2

Smooth transport

The hydro-pneumatic suspension cushions dynamic loads so you won't feel the road when travelling at high speeds between fields. To reduce the wear during transport the front and rear roller´s hydraulic pressure is lowered.



MAXIMUM COMFORT
AND STILL A TOP SPEED
OF 40 KM/H

5

Longer belt life

The drive system which is not based on friction ensures even tension and reduced slippage for improved comfort and longer belt life.

6

Even loading

The rollers and central carriage mechanism are independently suspended for more even loading across the entire area of the track that's in contact with the ground.

A power boost for agriculture. Made by John Deere.

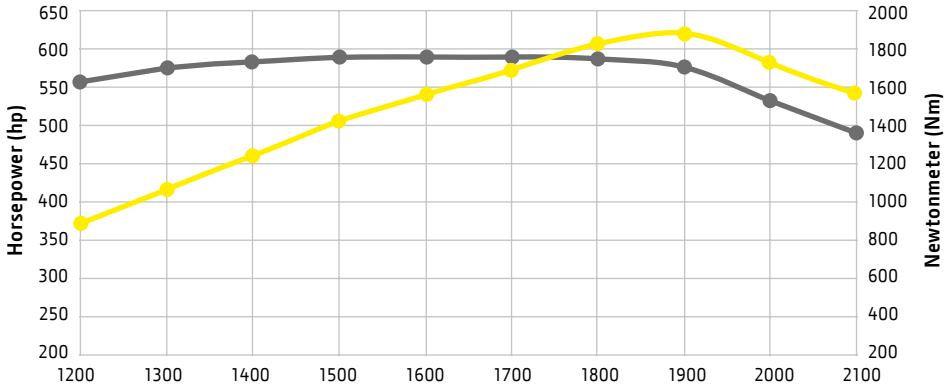
John Deere is one of a few manufacturer of agricultural machines to develop and produce its own engines. This delivers clear beneifts, as agricultural machines and on-road vehicles have completely different requirements. Whereas lorry engines used by other makes are designed for travel at variable engine speeds and low torque levels, John Deere engines feature heavier duty housings and bearings – designed for running at rated speed all day while still being able to cope with abruptly changing conditions and varying, often high toque levels during harvest time.

1

More power, more cost effectiveness, more throughput

The John Deere PowerTech Engines used in the new S-Series deliver even more power while offering unsurpassed fuel efficiency for diesel and diesel exhaust fluid (DEF). At the same time, they fulfill strict Tier IV emission regulations. The engine power is an impressive 460KW/625PS at the top of the range model, the S690.

S690 with 13.5 L engine



CONSISTENT PERFORMANCE UNDER VARYING LOAD

MODEL	DISPLACEMENT	POWER
S690	13.5 l	460 kW / 625 PS
S685	13.5 l	426 kW / 579 PS
S680	13.5 l	403 kW / 547 PS
S670	9.0 l	335 kW / 455 PS
S660	9.0 l	285 kW / 387 PS

4

John Deere PowerTech engines

John Deere's PowerTech engines offer consistent performance for uniform engine speeds and deliver up to 50 hp extra power during grain tank unloading.

Diesel particle filter

The filter regenerates itself automatically, and works in tandem with the diesel oxidation catalyst to ensure clean air. The entire system is encapsulated within a separate housing, and is completely segregated from its surroundings by means of overpressure.

Enhanced cooling

The cooling packs are large enough to get you through hot harvest days and aren't bogged down with an overly complex design. The position next to the engine allows unobstructed air circulation around the engine and prevents dust and dirt from settling in the corners. The slim size and low flow rate of the cooling package effectively prevent it from clogging.

2

3

UNPARALLELED EXPERIENCE YOU CAN RELY ON:

- Over 7 million off-highway engines produced
- Over 22 million operating hours with exhaust after-treatment processes
- Over 60 million operating hours with Tier 3B engines
- Over 200 million operating hours with variable geometry turbochargers and cooling exhaust gas recirculation
- The use of a the same engine across numerous John Deere machines simplifies maintenance thanks to uniform replacement components such as filters and oil
- Your John Deere sales partner is a trained engine specialist with long-term experience and can provide valuable support for all your challenges

5

Drivetrain designed for the utmost reliability

As standard, the S-Series comes equipped with discs instead of belt clutches. It shifts gears in a highly controlled fashion, keeping the belt from "squeaking" when the machine is turned on and increasing its operating life. The drum's high flywheel mass ensures extremely even load distribution, preserving the drivetrain. The Posi-Torq Variable Drives automatically tension the drive belt and prevent it from slipping.

6

Engine speed management

The engine speed management improves the fuel efficiency by reducing the engine RPM from 2200 (and 2100 for 13.5 L engine) to 1600 revolutions during on-road travel and to 1200 revolutions when the machine is standing (such as at traffic lights).

A MORE EFFICIENT AND RELAXING WAY TO WORK

Welcome to one of the most productive and comfortable places to work in the industry. The S-Series' roomy Premium Cab is loaded with a host of smart details to help you perform at your best while keeping you relaxed, even on long working days and under the toughest of harvesting conditions. And thanks to the tinted glass around the entire cab, the slimline cornerpost and highly ergonomic control elements, you always have a clear view – and are always in control.

A great view

The cab was designed specifically for combines. It provides an excellent view to the front and sides of your machine – such as when unloading the grain tank.

Leather package for greater comfort

For extra comfort, a leather air suspension seat is available as an option for the Premium Cab. The hard-wearing leather upholstery is complemented by a matching leather-covered steering wheel. Even better, the seat is air-cooled, making even the longest of harvesting days easier.

Roomy instructor seat and refrigerator

The S-Series' cab is one of the widest on the market. This means the passenger has just as much room as the operator. And there's also enough space for a refrigerator with an impressive 37 L interior – perfect for storing large bottles and snacks for a long working day.

Information and control centre

The GreenStar 2630 Display delivers much more than touchscreen operation and a brilliant 26 cm colour display: It also supports documentation of key harvest data and allows you to enter it into the online MyJohnDeere.com portal via a USB stick or wirelessly over your mobile data connection.

Bluetooth connectivity

Whether you're coordinating logistics processes via your smartphone during harvesting, consulting with your dealer on the best settings, navigating to the next field with the help of your tablet, or playing your favorite music from your MP3 player – with Bluetooth, you're always well connected.

1

2

Everything in its place

Our secret recipe for perfectly intuitive operation? The perfect balance between direct-access functions on the armrest and functions operated via a touchscreen monitor. This ensures that both seasoned John Deere operators and drivers more familiar with other brands can find their way around the features quickly and effortlessly.

4

Full control in the palm of your hand

The ergonomic MasterControl lever provides remarkably smooth hydrostatic speed control and enables you to operate a host of other functions such as the in/out swing of the unloading auger, feederhouse raise/lower, reel raise/lower and reel fore/aft, AutoTrac activation and the control of the 600X header. If the combine is equipped with MachineSync the tractor position can be changed back and forth with the buttons on the rear of the lever, too.

GreenStar 3 CommandCenter

Even in its base version, the GreenStar 3 Command Center Display enables numerous settings. This includes automatic basic machine settings, Interactive Combine Adjust (ICA), Harvest Monitor crop and moisture monitoring features, the Harvest Smart feedrate control, AutoTrac automatic steering or AutoTrac RowSense guidance for harvesting corn. It is possible to connect an external camera.

3

CONNECTED COMBINE. YOUR TECHNOLOGY ADVANTAGE

John Deere is committed to setting new standards in connected agriculture – because we believe that this offers tremendous potential to boost productivity, save valuable time and lower costs. We have identified the best technologies currently available on the combine market and brought them together in a single highly attractive package:

– AutoTrac automatic steering
– Connected customer support
– Connectivity to Operations Center
– Interactive Combine Adjust
– FarmSight Service Package

Interactive Combine Adjust (ICA)

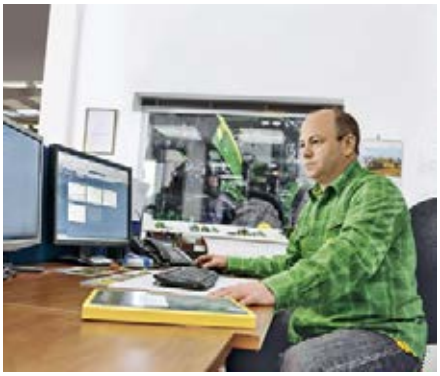
ICA enables you to boost the performance of your combine, minimise losses and increase grain and straw quality. And best of all, you can let the system work on these goals simultaneously.

AutoTrac automatic steering system

AutoTac guidance reliably steers your combine from day to night, through dust or on hilly terrain. This prevents costly overlaps or gaps and enables every operator to harvest at peak performance. You can expect up to 8* percent input savings and up to 14** percent productivity increase.

UP TO 14%
GREATER MACHINE
PRODUCTIVITY*

Go to the Operations Center to allocate exact field locations for the the next harvesting campaign, track the work progress of your machines, easily assign work orders to your operators, view yield and moisture maps automatically sent from the field as well as create, analyze and share harvest reports with trusted advisors and customers.



Connected customer support

Leveraging the machine-to-office connectivity your John Deere dealer can – with your permission – maximise machine uptime through preventive maintenance. For example, he can remotely check machine health and identify potential issues before they actually stop you from working. Moreover, with Remote Display Access you or your dealer have a live connection from the office to the GreenStar 2630 on the combine to assist the operator with machine setup and operation – without the need to drive out to the field.

*From 'Lohnunternehmen' 1/2010
**From 'Landtechnik' 6/2006

ACHIEVE MORE WITH LESS EFFORT

AUTOTRAC: AUTOMATIC STEERING FOR GREATER PRECISION

With our satellite-based hands-free AutoTrac system, every pass matches the full cutting width of your platform. This helps you reduce your input costs and boost your combine performance – even at night, in dusty conditions, on hillside terrains and even after long hours of operation. The automatic steering relieves your operators and allows them to concentrate on their yield.

When working with multiple machines in a field, the AutoTrac guidance lines can be shared from one machine to another so that all combines can harvest at the full cutting width. They can also be shared with the tractor or grain trailer operator so the machines can drive exactly parallel to each other during unloading.

Coverge map sharing visualises on the screen where other combines have already been in the field and you get a more accurate calculation of the total hectares harvested as you have full visibility to all combines in the field, the passes they did, header width and area covered.

AutoTrac RowSense adds even more comfort and productivity to corn harvest. It merges GPS based automatic steering and row guidance – leveraging row feelers on the header – to increase harvesting speed. When row feeler information is not available, for example in crop down situations the GPS signal takes over.

AUTOMATIC COMBINE ADJUST (ACA)

Standard on all models within the Series, Automatic Combine Adjust helps you effortlessly transition between crop types. By using standard John Deere values and retrieving data on your current threshing and separating conditions, it automatically adapts your machine to optimise its performance. You can then use these proposed values or modify and save them for later use.

HARVESTSMART: ALWAYS THE RIGHT SPEED

The HarvestSmart system automatically adapts the speed of the combine to maximise capacity or minimise losses with the highest output. Sensors on the threshing cylinder, the engine and the dedicated loss sensors control the system with the goal of minimising losses or maximising the throughput rate.

STARFIRE 6000 RECEIVER

Accessing John Deere's precision farming solutions starts with the new StarFire 6000 Receiver. Capabilities include better signal stability for maximum uptime and new SF3 accuracy delivering in-season repeatability. That means for you: the receiver always keeps you on track whatever the conditions are. And with the StarFire 6000 receiver you get repeatable results – no guidance line or boundary drift – throughout one season. Which adds even more precision and productivity.

The StarFire 6000 Receiver works seamlessly with all John Deere guidance systems and all accuracy levels (SF1, SF3, Mobile and Radio RTK).

UP TO 15% MORE
PRODUCTIVITY WITH
INTERACTIVE COMBINE ADJUST*

TOP-OF-THE LINE PRECISION

The StarFire 6000 receiver truly enables precision productivity. You can choose from the following accuracy levels:

- **Improved SF1 with 15 cm** pass-to-pass accuracy, free of charge
- **New SF3 enabling 3 cm** pass-to-pass accuracy and in.season-repeatability.
- **RTK with 2.5 cm** pass-to-pass accuracy, featuring long-term repeatability including 14 days RTK Extend if you loose line of sight. The ideal solution for Controlled Traffic Farming.

INTERACTIVE COMBINE ADJUST (ICA)

The Interactive Combine Adjust function lets you define your own priorities (grain loss, grain damage, grain tank sample). Also several optimization goals can be worked on at the same time (e.g. poor grain tank sample and high grain loss). ICA then suggest possible solutions which you can adjust or reject. All non-stop settings (cylinder speed, concave clearance, wind speed, chaffer and sieve settings) are automatically adjusted once accepted until the optimum setting is found.

All stop settings like for example the setting of the feederhouse front drum are also included to make sure the optimum performance can be achieved.

*according to Rademacher RKL 03/2015

YOUR GATE WAY TO BETTER BUSINESS DECISIONS

Modern farming isn't just managing a business – you are managing a complex enterprise. That's why maximising performance and productivity depends on being well connected. The Operations Center on MyJohnDeere.com makes things easy. it's your central location to connect to your fields, machines, operators and partners. Simply log-on from any internet-capable device.

YOUR FARM IN YOUR POCKET

Basically, the John Deere Operations Center fits your farm into your pocket. On one central map, you can get an overview of ongoing operations, follow your machines during the day as well as visualize and manage your fields and agronomic data. Upload field boundaries, yield and moisture maps from your GreenStar 2630 display. All information is easily accessible and clearly arranged on a map. From the Operations Center, you can also connect to your John Deere dealer or other trusted business farmers to share data – harvest results with your customers – for instance.

JDLINK MACHINE CONNECTIVITY

It all starts with machine-to-office connectivity. With John Deere's telematic system JDLink you always know where your machines are, what and how they're doing. You basically have two options delivering different level of functionality. JDLink Access includes machine location and performance monitoring, e.g. fuel consumption and machine utilisation tracking. Essential functionality is even available for non CAN-Bus tracking enabled John Deere as well as non-John Deere machines.

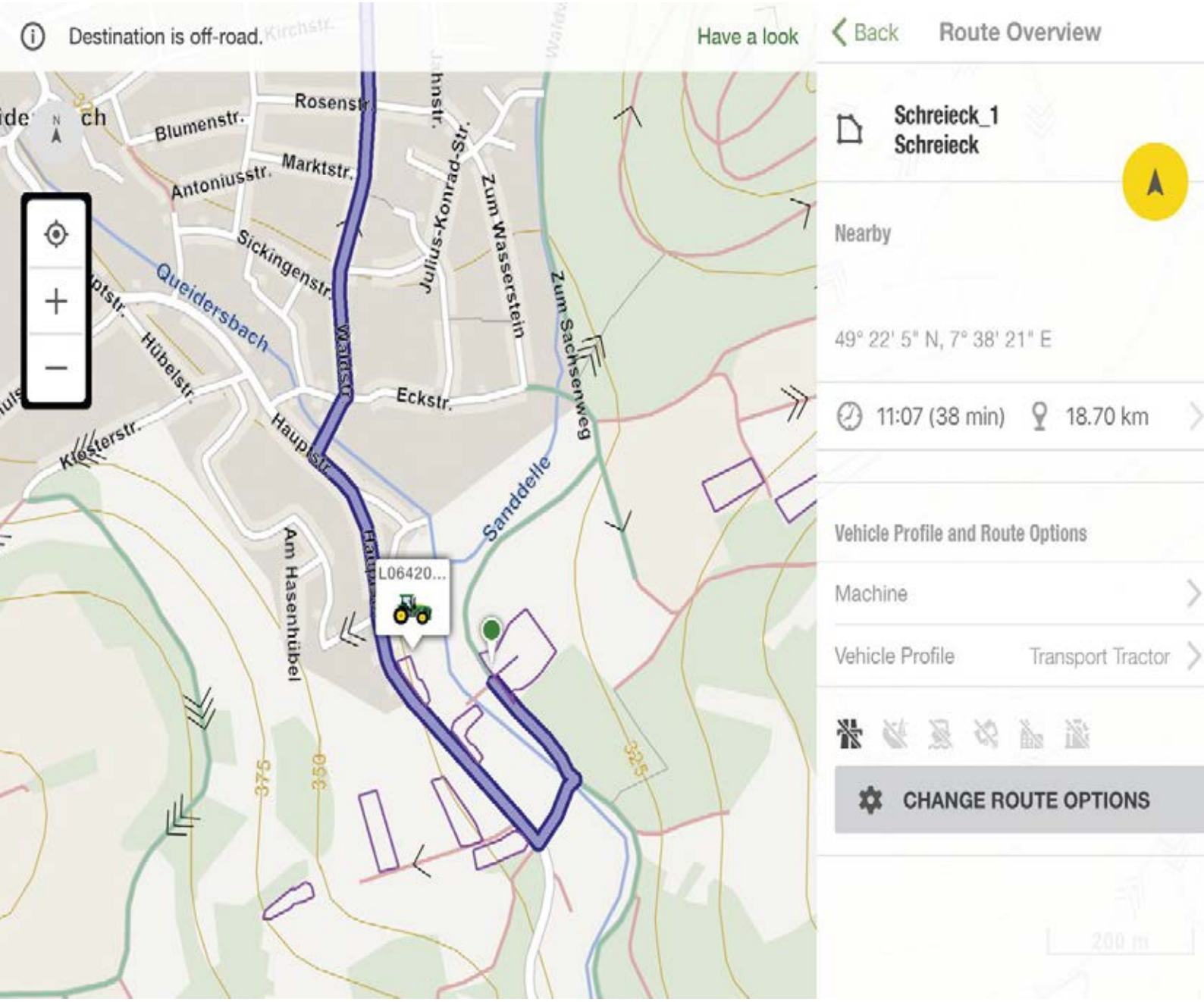
On top of that, JDLink Connect delivers Remote Display Access and Wireless Data Transfer to enable machine optimisation, remote operator support and seamless transfer of agronomic data (e.g. field boundaries, yield maps) in one package.

SEAMLESS DATA MANAGEMENT

Data on yield or moisture can either be uploaded manually to the Operations Center, leveraging a USB device or automatically with Wireless Data Transfer to enable seamless and error-free documentation. For older, non-JDLink machines there's also the possibility to transmit data via Mobile Data Transfer, utilizing your smart phone.

Once the data is available in the Operations Center you can – given, that you didn't have time for weight calibrations during harvest – retrospectively calibrate your data and print it out in the form of a report.

In addition, the Operations Center lets you prepare setup information for the upcoming harvesting season to ensure error-free documentation. The files can be sent wirelessly to your equipment where the date will pre-populate on the Greenstar 2630 display.



MyJobs and MyLogistics Apps: Ultimate coordination for a 100% optimized harvesting chain

With this new John Deere system there is NO need for paper, phone and magnetic boards anymore. Plan jobs ahead digitally. Remain flexible to changing conditions. Drag & drop jobs. In your office and in the field.

Drastically reduce the amount of phone calls and still avoid miscommunication!

All information is now in one work order. Your employee knows what to do and has all relevant information instantly available: Machine, customers, fields, settings, guidance lines and more.

Always see the current job status of your fleet to be able to give precise time commitments.

Field navigation

Stop searching for the right way to the right field. Start with your work immediately. With one click you get an optimized route to the field or the lead machine.

No detours as it respects road restrictions (e.g. width, height and weight). Field boundaries, entry points, obstacles, particularities – it´s all there! Estimated time of arrival for transport vehicles let you always make the best decision. It includes field roads and fleet overview and also works offline.

GO HARVEST
PREMIUM COMBINE SIMULATOR

This simulator was designed for dealers or large fleet owners and contractors to be able to train operators in a cost efficient way. It is commercially available for customers and can be found on dealerships today as well as a training tool. Rewarded at Agritechnica with a silver medal it features real cab controls and a real-world operator environment and a simulated field conditions on HD-TVs. Instructions and task are given on the TV screens in a gaming environment with several levels. It starts at simple operation of the main controls, goes over attaching front-end equipment, harvesting under different conditions and different crops, to unloading on the go or on the headland. At the final level operators have to optimize the combine and solve specific task such as high losses or get a better grain tank sample. Scores measure the progress of the trainee at each level.

The simulator offers off-season training in a safe environment with clear benefits in timing, cost and effectiveness. Result: A perfectly trained driver at the start of the season from day one.

MACHINE SYNC – UNLOADING ON THE GO

The full automation of the combine unloading operation is exclusively provided by John Deere. Machine Sync enables the creation of a network of combine operators and the logistic chain:

1. Control grain tank fill level
The grain cart operator is able to see the location of all the combines in the network, their direction of travel and the grain tank fill level. Based upon this he can effectively decide to which combine to go next.

2. Combine driver take control of tractor speed
Once he arrives near the combine his tractor gets controlled by the combine at a click on the screen. the tractor and grain cart is kept in parallel to the combine and the speed is synchronized with the combine, too.

3. Combine driver steers tractor
The combine operator can control the forward and sideward distance of the tractor relative to his combine and can unload and fill the grain cart while keeping full focus on the harvesting operation. There is less risk for damage or grain spillage and foremost less unnecessary traffic and less soil compaction on the field, a more smooth logistics and less stress for everybody involved.

YOUR JOHN DEERE DEALER – A TRUE HARVESTING PARTNER.

"It's tough out there during the harvest season because time is money. Your certified combine dealers are there to make sure your harvest runs smooth – whatever it takes."

A CERTIFIED PARTNER IS ALWAYS THERE FOR YOU

To guarantee you always benefit from a first-class harvesting service, before, during and after harvest, our dealers pass a rigorous certification programme. Please challenge us – we are prepared!
Simply ask your certified John Deere partner about the following services:

SPARE PARTS WITHIN 24 HOURS

Your Harvesting Partner takes advantage of the John Deere dedicated overnight parts delivery system day in day out and can provide more than 97% of all required parts within 24 hours to keep you moving.

BACK UP*

Your dealer keeps you harvesting during those long harvesting days and provide a back-up machine if service work is required.

EXPERTS IN PLACE

Certified dealers have full-time harvesting experts in place on the sales and service side to help you find the right model and specification required for your operation and are available during extended opening hours in season through dedicated hotlines. Factory trained experts setup your combine prior to the season and visit you in the season to make sure your machine is always running at the optimum performance level.

TRAINING

Certified dealers deliver a professional driver training done by factory trained experts. Those trainings are offer year after year to refresh the knowledge season-by-season.

EXPERT CHECK

Certified service specialists check your machine on over 180 points. They provide you with pre-season expertise to ensure your combine is ready for the next season.

USED COMBINES: PREMIUM INSPECTED*

Check out **www.machinefinder.co.uk** for our Premium Inspected Used Combines. All Premium Inspected combines have received the Expert Check. All necessary repairs are executed using original John Deere Quality spare parts to ensure your harvesting success.

*Available at participating dealerships

LOW COST OF OPERATION

The initial purchase price of a combine is only one element in calculating the profitability of an investment into a new combine. To get the full picture the running cost over the whole lifetime have to be considered. And here the S-series has clear advantages.

LOW WEAR PARTS COST

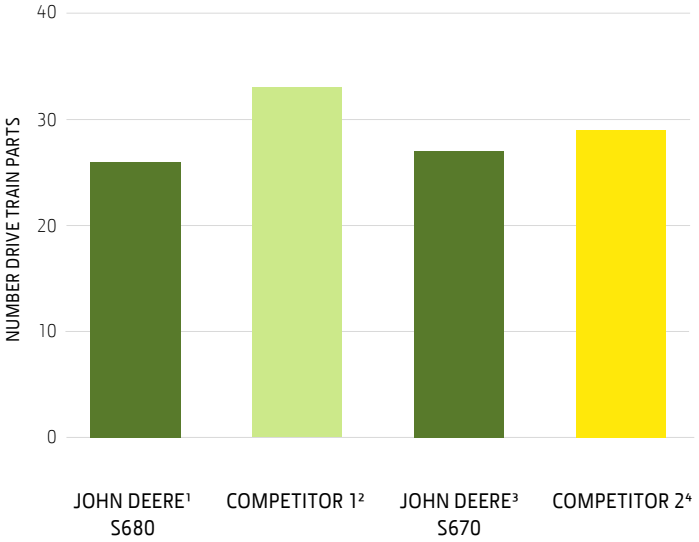
The S-Series design features a single rotor concept with a low amount of moving components.
The crop-engaging wear parts are designed to last. Tested and proven on large scale worldwide small grain farm operations as well as in the abrasive conditions in rice or soybean harvest or material stressing wet and dry corn conditions the S-Series concept earned its reputation for reliability.

S-series combine owner can benefit from more than 32% cost advantage on drive train parts.
A straight forward drive concept with a low amount of belts and chains keeps your costs at a minimum.
In addition genuine belts feature a special rubber mix with aramid cords that has been designed for heavy duty loads for the best performance.

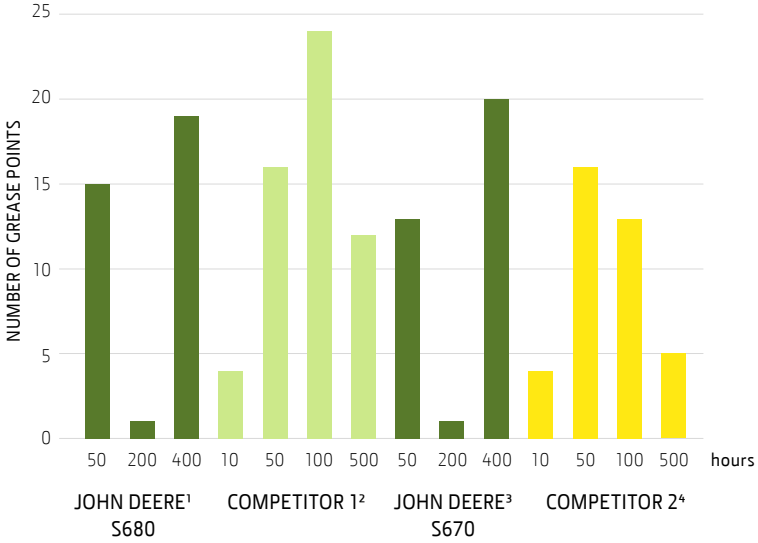
LOW MAINTENANCE COSTS

The single rotor design features less drives, belts, chains and bearings as well as less grease points compared to other concepts. The superior access to the rotor as the heart of the combine ensures maintenance is easy and convenient. A prerequisite to make sure it is done properly. No daily grease points and in general long maintenance intervals keep you in the field and reduce maintenance times and costs.

QUANTITY OF DRIVE TRAIN PARTS



NUMBER OF GREASE POINTS



According to competitive benchmarking that was done with comparable Stage IIB machines
¹Operators Manual John Deere S690 ²Operators Manual Claas
³Operators Manual John Deere S670 ⁴Operators Manual New Holland

HELP WITH YOUR COMBINE HARVESTER SETTINGS IN SECONDS

JDParts.com Online Parts Catalogue

All our parts catalogues are digitalised and always up to date. You can look up parts using the cut-away pictures or via part number search and order online for pickup at your dealership.

If you order prior the daily deadline the part is available overnight. Our dealers stock the most important harvesting parts themselves, have visibility to parts in all other dealerships world-wide or get delivery overnight from our central stock in Bruchsal, Germany.

EXPERT Check – The John Deere after-harvest check

Your certified service technician will check over 180 check points on your combine during winter to maximise uptime during the next season and boost your machine's resale value.

Maintenance and Extended Warranty Programs

PowerGard Maintenance contracts include the standard servicing and scheduled replacement by your John Deere dealer of parts using genuine components, lubricants and coolants without additional warranty.

PowerGard Protection provides on top of that warranty coverage of repairs on all engine, transmission and frame components up to 5 years / 2000 hours.

PowerGard Protection Plus covers also covers engine auxiliaries, electrical components, steering and brakes, hydraulics and the operator's station on top of other programs.

SERVICE AND MAINTENANCE MADE EASY

The S-Series doesn't just save you time in the field and on the road – but also on maintenance and cleaning. To make these tasks as simple and fast as possible, we always kept the operator in mind during the design process:

- No daily lubrication points
- Easy access to the rotor, engine and cooling package are just few examples
- A new air compressor with a 60 L reservoir and two connections, a 10 m hose and accessories so your machine can be cleaned comfortably

SHORT CONVERSION TIMES BETWEEN CORN AND SMALL GRAIN

- Changing the sieves just takes few minutes, adding de-awning plates to the rotor is easy thanks to the good access.
- The cover plate for the grain tank cross augers can be adjusted without any tools.
- Converting from barley to rapeseed with the new S-Series and the 600X header takes less than 5 minutes.

TURN NIGHT INTO DAY

The S-Series comes fitted with 10 lights in the front as standard – with the option of adding two extra lights for wider headers. A LED and service light package for lights on all key maintenance points round off our lighting packages.

DAILY
GREASING
IN 0:00 MINUTES

Driver Package included

Every combine operator will receive from his dealer clothing and merchandising as well as a fully equipped toolbox. Ready to work!

Up to 1250 liter fuel tank

The large up to 1250 liter fuel tank as well as the adblue and hydraulic tank is within easy reach from the rear platform.

GoHarvest App

The GoHarvest App, available for free for your smartphone, will suggest you initial settings for specific crop types. This includes photos and videos of important settings around the machine. In the notes section you can write down your individual settings found in specific conditions for future use.

OPTIMUM PERFORMANCE

In order to bring your machine to the next level of performance and comfort we offer several attachments to upgrade your machine if not equipped ex-factory. A small selection can be found on the next page, but there are far more. Just ask your John Deere dealer.

Printer

Cab integrated printer attachment for the printing of harvesting results.

Premium Maize Elements (CZ4)

The CZ4 chaffer is especially for maize harvest. The special tooth design (bend) will minimize the risk of plugging and ensure optimum cleaning shoe performance.

Tailings Cover

The tailings cover are recommended for working in wet maize and CCM to prevent overload of tailings system.

Camera System

The John Deere Video Camera System lets you observe your daily work and enables you to work more efficiently. You can connect up to three cameras on your GreenStar 2630 display.

Additional Grain Tank Sensor

The fast and easy way to let you know when your combine`s grain tank is full when harvesting on sidehills.

Rotary screen brush kits

Help keep you engine from overheating during harvest. This brush kit keeps the rotary screen clean of buildup and supports minimize plugging.

Specification

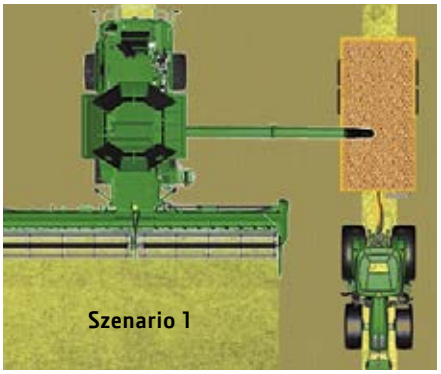
MODEL	S660	S670	S680	S685	S690
ENGINE					
John Deere PowerTech PSS Engine, 6 Cylinder, twin turbo charger with fully automatic EGR and SCR technology					
Emission Level	Stage IV	Stage IV	Stage IV	Stage IV	Stage IV
Displacement (l)	9	9	13.5	13.5	13.5
Rated speed	2,200	2,200	2,100	2,100	2,100
Rated power ECE R120 (kW/hp/PS)	249/334/339	292/392/397	353/473/480	373/500/507	405/543/551
Max Power ECE R120 (kW/hp/PS)	285/382/387	335/449/455	402/540/547	426/571/579	460/617/625
Boost (kW/hp/PS)	25/34/34	25/34/34	37/50/50	37/50/50	37/50/50
Engine Speed Management	NA	incl. w/ ProDrive	base	base	base
Fuel tank capacity, base/option (l)	950/750		1250/950		
DEF tank capacity (l)	54.9 (29 L when 750 L diesel tank is chosen)				
Air Compressor	optional				
FEEDERHOUSE					
Conveyor chains regular feederhouse	4				
Conveyor chains HM feederhouse	not available	3			
Slip Clutch	1200NM forward / 1400NM reverse				
Header reverser	Mechanical reverser				
Feederhouse Speed, m/sec (fix speed)	3.4 (26 tooth sprocket)				
Cutting angle adjustment (°)	17				
THRESHING & SEPARATION					
TriStream rotor with fixed crop flow (not on HM)	available	available	available	available	available
Variable Stream rotor with long front cone, rear cone, actively adjustable crop flow in separator	available	available	available	available	available
Rotor length (mm)	3,124	3,124	3,124	3,124	3,124
Rotor diameter (mm)	762	762	762	762	762
Shiftable rotor speed ranges, corn/small grain (rpm)	210-550 / 380-1,000	210-550 / 380-1,000	210-550 / 380-1,000	210-550 / 380-1,000	210-550 / 380-1,000
Threshing area (m²)	1.1	1.1	1.1	1.1	1.1
Rotor separation area (m²)	1.54	1.54	1.54	1.54	1.54
Discharge beater grate separation area, premium residue/deluxe + intermediate residue (m²)	0.36/0.52	0.36/0.52	0.36/0.52	0.36/0.52	0.36/0.52
DYNAFLO PLUS CLEANING SYSTEM WITH AUGER TYPE PREPARATION SYSTEM FRONT CHAFFER, CHAFFER AND SIEVE					
# of conveying augers	4				
Active tailings reuturn	not available		base		
Single range fan drive (RPM)	620-1,350				
Pre-Chaffer (m²)	0.5				
Chaffer (m²)	2.5				
Sieve (m²)	2.2				
TOTAL cleaning Shoe area (m²)	5.2				
Active Terrain Adjustment	option				
Electric Sieve adjustment	base				

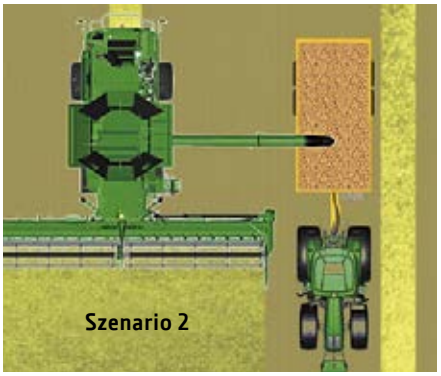
MODEL	S660	S670	S680	S685	S690
GRAIN TANK					
Volume acc. ANSI/ASAE S312 norm (l)	10,600	10,600	14,100 (10,600 for HM)	14,100 (10,600 for HM)	14,100 (10,600 for HM)
Unloading auger swing range (deg.)	105				
Standard unloading system at peak performance (l/sec)	120	120	135 (120 for HM)	135 (120 for HM)	135 (120 for HM)
RESIDUE MANAGEMENT					
Deluxe Residue – Manual adjustable Vane Tailboard *Fine Cut Chopper (44 knives), Integrated Chaff Spreader*	available	not available	not available	not available	not available
Deluxe Residue – In-cab electrically adjustable Vane Tailboard *Fine Cut Chopper (44 knives), Integrated Chaff Spreader*	available	available	not available	not available	not available
Deluxe Residue – In-cab operator controlled PowerCast Powered Tailboard with wind compensation *Fine Cut Chopper (44 knives), Integrated Chaff Spreader*	not available	not available	not available	not available	not available
Intermediate Residue – In-cab operator controlled Electric Vane Tailboard *Extra Fine Cut Chopper (100 knives), Integrated Chaff Spreader*	not available	available	available	available	available
Intermediate Residue – Advanced PowerCast powered tailboard with In-cab operator controlled wind compensation *Extra Fine Cut Chopper (100 knives), Integrated Chaff Spreader*	not available	available	available	available	available
Premium Residue – In-cab operator controlled Electric Vane Tailboard *Extra Fine Cut Chopper (100 knives), Integrated Chaff Spreader, Remote chop to drop door*	not available	available	available	available	available
Premium Residue – Advanced PowerCast powered tailboard with In-cab operator controlled wind compensation *Extra Fine Cut Chopper (100 knives), Integrated Chaff Spreader, Remote chop to drop door*	not available	available	available	available	available
SIDE-HILL SYSTEMS					
HillMaster (inclines up to 15%)	NA	option			
Side Hill Kit (for non HM machines)	option				
GROUND DRIVE					
Electrical Push Button Shift 3-Speed Transmission	base		not available		
ProDrive Stepless Transmission	not available	option	base		
Speed with wheels (km/h) (depending on country & homologation)	20/25/30	20/25/30/40	20/25/30/40		
Speed with tracks (km/h) (depending on country & homologation)	NA	20/25/30/40	20/25/30/40		
4WD	option				
John Deere 600DT Deluxe Tracks	NA	option			

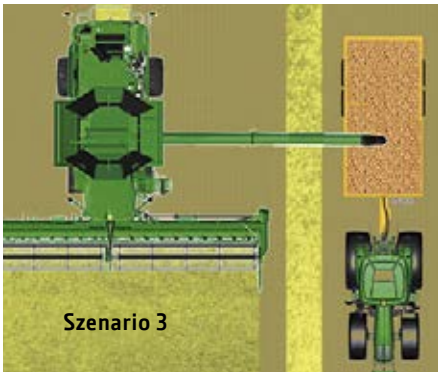
Specification

MODEL	S660	S670	S680	S685	S690
TRANSPORT WIDTH					
With 600DT Deluxe Tracks (m)	NA	3.49			
VF710/70R42 R42 (m)	3.49				
IF800/70R38 (m)	3.79				
IF900/60R38 (m)	3.99				
Maximum Shipping height with tires (m)	4				
Shipping length (with 6.9 m folding unloading auger) (m)	9.1				
INTEGRATED TECHNOLOGY					
HarvestMon Moisture Sensing	optional				
HarvestDoc Yield Documentation	optional				
HarvestSmart Automatic Forward Speed Regulation	NA	option	base		
AutoTrac Guidance	option				
Guidance Signal Availability	SF1, SF3, RTK				
AutoTrac Row Sense Guidance for corn headers	option				
Automatic Combine Adjustment	base				
Interactive Combine Adjustment	base				
ConnectedCombine	option				
JDLink	option				
Remote Display Access	option				
Wireless Data Transfer	option				
Data Analysis	available via MyJohnDeere.com				
myJob Apps	available via App				
Machine Sync	option				
CAB					
Driver Seat	air suspension seat with swivel and fore-aft & lateral attenuation				
Leather Package	NA	optional leather steering wheel, instructor seat, heated / air ventilated operator seat			
Passenger Seat	base				
7' GreenStar CommandCenter 3 Touchscreen Display	base				
10' GreenStar 2630 Touchscreen Display	option				
Cameras	optional (up to 4)				
Active Refridgerator	base				
Automatic Air Condition and Heating	base				

Unloading auger compatibility







AUGER LENGTH [M]				
PLATFORM	**5.6 m**	**6.9 m***	**7.9 m***	**8.7 m**
615P	depending on windrower cutting width			
620R / 620PremiumFlow / 620F	run on windrow	Szenario 3	Szenario 3	Szenario 3
622R / 622X / 622PremiumFlow / 622F	Szenario 1	run on windrow	Szenario 3	Szenario 3
625R / 625X / 625PremiumFlow / 625D / 625F	Szenario 1	run on windrow	run on windrow	Szenario 3
630R / 630X / 630PremiumFlow / 630D / 630F	Szenario 2	run on windrow	Szenario 1	run on windrow
635R / 635X / 635PremiumFlow / 635D / 635F	not compatible	Szenario 2	run on windrow	run on windrow
640X / 640 PremiumFlow / 640D	not compatible	very close to FEE	Szenario 2	Szenario 2

*Available as folding unloading auger and rigid unloading auger

NOTHING RUNS LIKE A DEERE

There´s no time for downtime when you`re harvesting, so our dealerships are geared to provide you with the best support in the business. They know your operational needs as well as your machines and have received regular in-depth training from John Deere. This expertise, together with the finest parts delivery service in the industry, is what makes your partnership with your John Deere dealer so valuable.

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JOHN DEERE FINANCIAL

John Deere Financial – A range of finance options as powerful as our products.
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YY16I4203MAS_GB 07/16