



JOHN DEERE

NOTHING RUNS LIKE A DEERE

9000 SERIES

PURE PERFORMANCE



PURE PERFORMANCE









The 8000 Series raised the bar for quality forage harvesting – a true success story since day one. Building on that foundation and fuelled by our ambition to help you produce more high-quality silage more efficiently – we present the 9000 Series!

**THE EVOLUTION
OF EXCELLENCE:
9000 SERIES SPFH**



When you’re ready to take things to the next level, the 9000 Series is your SPFH. Think top of the line crop analysis and documentation capabilities, peerless forage quality with an exceptionally robust kernel processor – all powered by a true goliath of an engine with all the power anyone could ever need. Go ahead and take your business further.

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MACHINE EVOLUTION

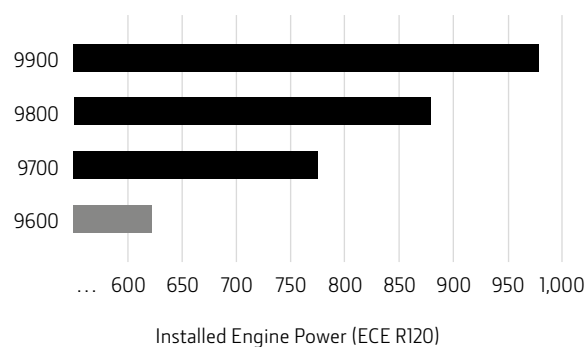
The 9000 Series is a direct result of our commitment to improve the harvesting process and forage quality for our customers.

HARVESTMOTION

A state-of-the-art engine with ideal performance characteristics and low specific fuel consumption at reduced rpm, perfectly aligned and synchronized with a superior crop flow. This is our HarvestMotion concept for pure performance and the highest efficiency.

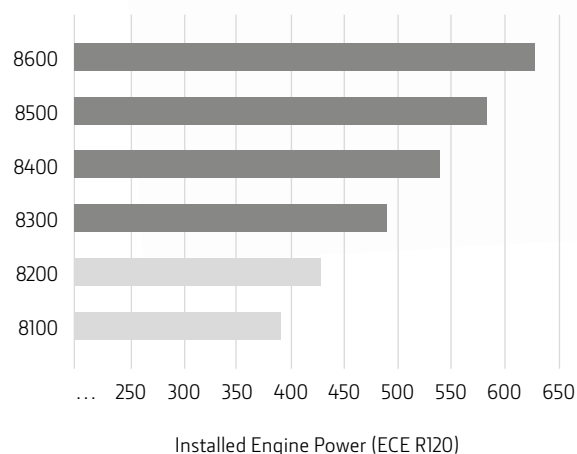


9000 SERIES UP TO 970 PS



■ Liebherr V12, 24.2 L
 ■ PowerTech PSS, 13.5 L
 ■ PowerTech PSS, 9 L

8000 SERIES UP TO 625 PS





**ENHANCED, IMPROVED,
EVEN BETTER:**

- Engine & Cooling
- Driveline
- Cropflow
- Kernel Processing
- 490^{plus}
- Premium Pick-up

EXCELLENCE EVOLVED

OVERVIEW

The engine is the heart of a machine – that is especially true for the new 9000 Series and that's where much of its productivity impact comes from. But it's more than just the engine.

**WE LOOKED AT
EVERYTHING THAT
WORKS GREAT.
AND STARTED
IMPROVING.**

Let us show you point by point how the renowned qualities of the 8000 Series, combined with the innovations of the 9000 Series SPFH, take these machines to the top rung of the evolutionary ladder.

1 | HARVESTMOTION

Our new performance concept adds significantly more throughput at optimized component speed for perfect power dynamics alignment at a low engine rpm, while resulting in low specific fuel consumption.

2 | INTELLIGENT FORAGE MANAGEMENT

The HarvestLab 3000 measures and documents both dry matter and constituents in real-time for accurate silage quality analysis.

3 | FUNCTIONAL COMFORT CAB

It's built around you, with panoramic views, plenty of space and intuitive controls and displays.

4 | DYNAMIC CROP FLOW

Intake losses are down to the absolute minimum while our ProStream crop flow takes throughput per kW to a new level.

5 | EXTREME KERNEL PROCESSING

Get the proven JD Premium KP or opt for our new John Deere XStream KP for ideal processing results at any length of cut.

6 | DURA LINE LOW WEAR PARTS

Hard wearing Dura Line crop flow liners* and the extremely durable all-crop Dura Line Plus shearbars last for seasons.

*guaranteed up to 3,000 engine hours (max.5 years) in EU28+ and CIS



7 | HIGH EFFICIENCY HEADERS

Choose from a header range designed and engineered for high horsepower and rely on excellent crop handling and efficient and reliable operation.

8 | MORE GRIP

Up to 2.15 m diameter reduced weight tyres with pressure down to 1 bar get you more traction with less compaction.

9 | ALL POWER TO THE GROUND

There's nothing like our ProDrive automatic transmission on the market – put your power where it counts.

10 | LOWER COST OF OPERATION

Long, 1,000 hour service intervals, less daily maintenance points and excellent access – it's how you keep costs down and productivity up.

POWER CORE

ENGINE & COOLING SYSTEM

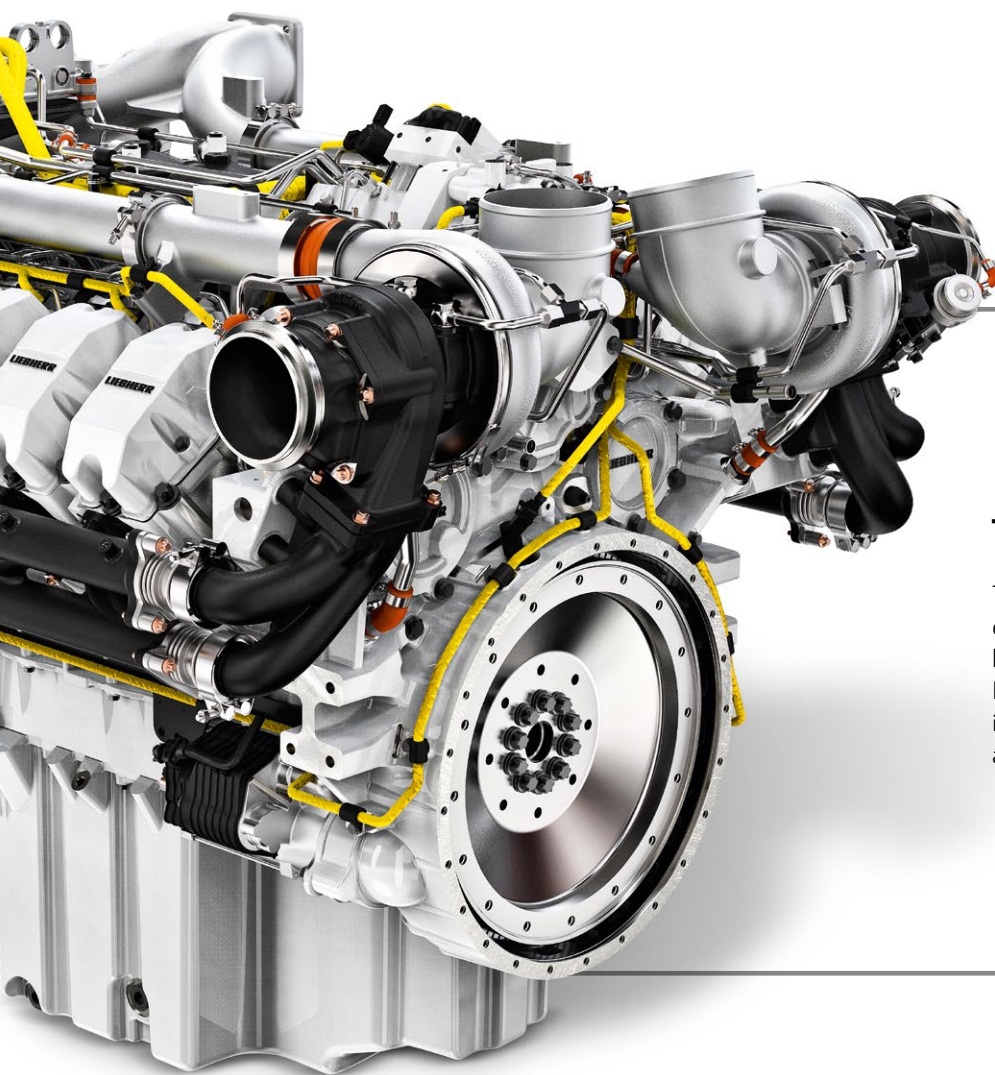
More power, more throughput, more output. Get the productivity you've been looking for in extra heavy crop conditions.

The 9700, 9800 and 9900 models are equipped with a highly efficient 24.2 l Liebherr V12 engine, powering the machine with up to 970 PS. The 9600 features a John Deere PowerTech PSS engine with 13.5 l displacement. Mounted longitudinally, both engines perfect cooling efficiency with minimal fan power requirements and feature excellent serviceability and weight distribution. The bottom line: improved fuel efficiency, cleaner emissions and a massive amount of power at your disposal.



COOLER BY DESIGN

The longitudinal layout of the 9000 Series' engine eliminates the need for the large and power intensive cooling packages that transverse engines require: More of the engine's surface area is closer to the outer edges of the machine, unobstructed by other components. Cool air is drawn in through the channels behind the cab and is guided along the sides of the engine to the exits at the rear and the sides. A way of more efficient cooling with less components.



TRIED AND TRUE

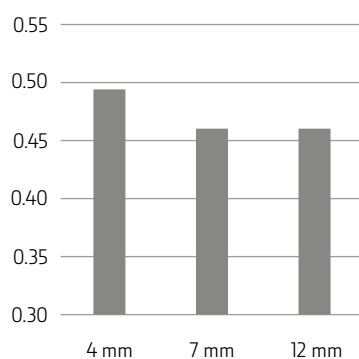
The new 24.2 L Liebherr V12 engine has extensive years and hours of testing under its belt. Exceptional 1,000-hour service intervals give you more uptime and less costs.

PURE PERFORMANCE – PROVEN

The renowned German Agricultural Society (DLG) thoroughly tested the performance of our new 9000 Series under various harvesting conditions. Independently proven and certified.

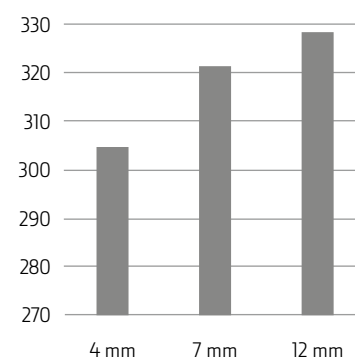


FUEL ECONOMY 9800 (LITRES/TON)



"... with values below 0.5 litres/ton of harvested crop, the measured fuel consumption values are on a very low level..."

THROUGHPUT 9800 (TONS/HOUR)



"... with throughput values of up to 328 t/h, the tested 9800 shows its huge performance potential..."

EFFICIENCY BOOSTED

DRIVELINE

Every single component of the 9000 Series' driveline was designed to contribute to more efficiency. Crop flow components are powered by up to nine grooves to ensure the prodigious engine power available is transferred reliably to the main drive belt. The kernel processor drive has had a significant upgrade too. Overall fuel efficiency improves, thanks to a lower driveline top speed of 1,800 rpm.

LOWER RPM, LOWER COST

Efficient machines are simply good business. The 9000 Series driveline was specifically designed to deliver optimal crop flow exactly when the engine is operating in its efficiency sweet spot. That's HarvestMotion.

1 | OPTIMISED HEADER DRIVE

You'll get even higher performance and throughput thanks to a larger hydrostatic drive, larger shaft diameter and bearings, and our new PTO. Of course, the gear ratio is matched exactly to the new engine power curve.

2 | NEW ENGINE INTEGRATION

Due to the compact and low integration of the Liebherr engine at the rear, less additional weights are needed to put power to the ground, which results in better fuel efficiency on the road and less soil compaction in the field.

3 | NEW LIGHTER MAIN CLUTCH

The new main clutch design incorporates some serious weight optimisation to help reduce power losses and maximise overall fuel economy.

4 | MAIN FRAME DESIGN

The main frame was designed to accommodate larger headers and features new engine mountings for a lower centre of gravity and to provide more space for an overall stronger driveline.





5 | HYDRAULICS SYSTEM ENHANCED

At its core is a sophisticated load sensing system for maximum hydraulic performance with reduced losses and less pressure if needed. For optimized speeds, a hydraulic kernel processor belt tensioner comes standard.

6 | FEEDROLLS

We're sticking to the successful tried and tested design of the 8000 Series. We reinforced drives due to the higher engine power and throughput. For easier maintenance access we made wear parts easier to reach under the side panel.



HIGH-EFFICIENCY CROP STREAM

The straightforward design produces reliable and powerful material transport no matter what.

1 | FAST HEADER ATTACHMENT

The self-adjusting header locking system connects the driveline automatically.

2 | WIDE PROFILE KNIFE MOUNTINGS

The knife mountings are wider and the profile is designed to channel the crop for a more stable and even flow.

3 | PATENTED QUICK STOP SYSTEM

Within 85 ms, a patented hydraulic system instantaneously switches off the feedrolls without the stresses of traditional mechanical linkages.

4 | SMOOTH AND EVEN CROP FLOW

When you're chopping uneven swath, our feedroll dampening system compensates and smoothes out the crop mat for even feeding and consistent length of cut.



PROSTREAM: HIGH POWER, LOW FRICTION



CROP FLOW

The ProStream crop flow is designed with extra heavy-duty components for even higher engine horsepower outputs, and a throughput capacity of more than 400 tons per hour. The smooth, gentle arc of the channel minimises resistance for an even cropflow stream and lower wear.

5 | LONG LASTING HYDRAULIC KNIFE SHARPENER

The new, all hydraulic system is more resistant to vibrations for better reliability.

6 | REVERSE MODE KNIFE SHARPENING

This exclusive feature results in exceptionally low power requirements for cutting and crop transition.

7 | FEEDROLL ADVANTAGE

Four feedrolls, perfectly synchronized with the header, produce a smooth cropflow and springs ensure a flat crop mat for perfect cutting quality.

8 | EXTRA FINE SHEARBAR ADJUSTMENT

The adjustment pivoting point is positioned far below the shearbar, ensuring minimum horizontal change when adjusting to worn out knives.

9 | 5 MINUTE KERNEL PROCESSOR CHANGEOVER

Its swing out/swing in design allows it to be moved out of the crop flow and to be replaced with a grass chute that quickly.

10 | HIGH QUALITY, HEAVY DUTY BEARINGS

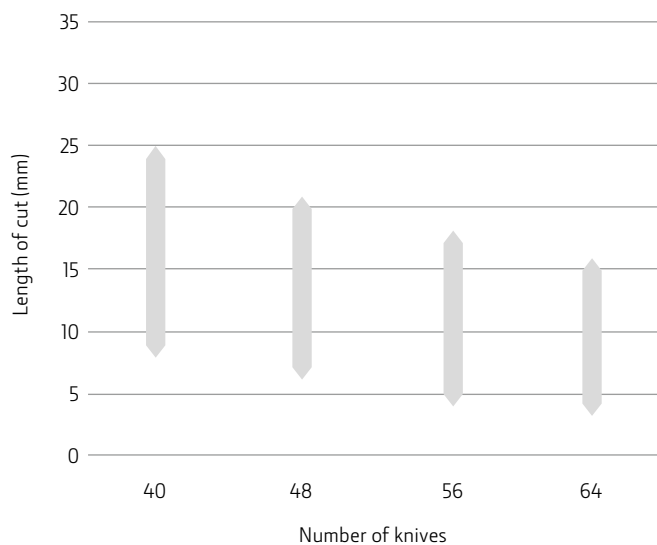
The extra strong bearings are designed for loads and throughput much higher than they'll ever have to bear.

ONE CUTTERHEAD, ALL CROPS.

CUTTERHEAD

Our universal cutterhead is designed to perform with remarkable flexibility for very different harvesting requirements.

It will meet your demands without having to compromise forage quality. Depending on your specific requirements, you can also choose from either 40, 48, 56 or even 64 knife configurations.



The Dura-Drum cutterhead design offers a wide length-of-cut range.



SMOOTH CROPFLOW

Using advanced high speed video cameras we were able to understand and refine the cropflow in ways that were simply not possible a few years ago. The large diameter 680 mm drum creates a faster cropflow which makes a big difference when the harvester is working at extra short cut lengths. The net result is higher throughput with lower power consumption.

HIGH EFFICIENCY CUTTING

The combination of the knife holder design and long knives, with a 20 mm tungsten carbide coating, means you can keep chopping without any loss in performance as the knives wear. Also, with our smart shearbar system, it's never been easier to cut high quality silage all season long.

LOWER FUEL CONSUMPTION

The unique design of the knife holders creates a more uniform and bundled crop stream. They also optimise the point of exit for the crop, helping to reduce the overall power demand of the crop flow by up to 20 kW. When you're chopping non stop, day after day, that adds up to significant fuel savings.

MAXIMISE BIOGAS AND LIVESTOCK POTENTIAL

Our cutterhead design gives you much more chopping flexibility: you can use the 40, 48, 56 and 64 knife cutterheads with 1/2 or 3/4 knife configurations for even longer lengths of cut. Totally unique to John Deere, it means you can meet all the needs of biogas, livestock and dairy farmers with a single cutterhead.

QUALITY SILAGE

KERNEL PROCESSING

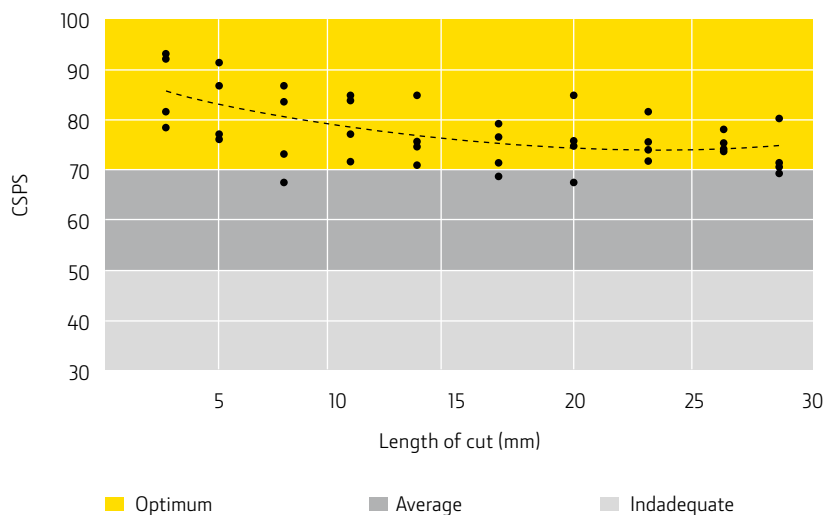
The massive throughput of the 9000 Series creates special demands for kernel processing – our XStream KP and Premium KP handle them with ease.

PURE PERFORMANCE – PROVEN

Professional dairy or biogas operations rightfully ask for consistently high chopping quality and intense kernel processing. To ensure we are also exceeding highest customer expectations we asked several neutral institutions such as two German Chambers of Agriculture, a renowned University and a specialized laboratory, to analyse cutting quality, fragment distribution or kernel processing scores. With truly exciting results. Independently proven.



CORN SILAGE PROCESSING SCORES 2016



Landwirtschafts-
kammer
Schleswig-Holstein

LKS
LABOR

universität **bonn**

Landwirtschaftskammer
Nordrhein-Westfalen



Up your processing productivity and consistently achieve smashed kernels and intensively processed plants with the new John Deere XStream kernel processor – shown here with Dura Line saw tooth rolls.

XSTREAM KP

Together with the renowned experts from Scherer, a global leader in kernel processing roll design, we developed the new John Deere XStream kernel processor for high horsepower. With 250 mm diameter rolls and 50% speed differential it delivers consistently smashed kernels and intensively processed plants regardless of chop length.



PREMIUM KP

Our Premium KP is a proven high intensity processing solution that produces excellent forage quality at any length of chop and features DuraLine rolls for longer equipment life with more volume.



Dura Line saw tooth and Dura Line XCut kernel processing rolls.

	PREMIUM KP	XSTREAM KP
BASE FEATURES		
Housing	Standard KP housing	Heavy Duty housing with KP roll quick exchange system
Lubrication	Grease lubrication	Pressurized oil lubrication
Roll diameter	240 mm	250 mm
Speed differential	32%	50%
OPTIONS		
40% speed differential	■	–
Bearing temp. monitoring system	–	■
KP ROLLS		
Standard Sawtooth	■	–
Duraline Sawtooth	■	■
Duraline XCut	–	■
Whole Crop	■	–
Whole Crop XCut	–	■


PICK-UP 6X9

MODEL	TRANSPORT WIDTH	WORKING WIDTH
639	3 m	2.56 m
649	4 m	3.64 m
659	4.5 m	4.15 m

VARIABLE HEADER DRIVE

If you've been looking to improve feeding at all lengths of cut, you'll be pleased with the variable pick-up speed feature of the 6X9. Both standard pick-up reel and auger speed are linked to the feedrolls of the SPFH to guarantee a constant crop flow and optimized throughput.

ALL-STAR HEADER PERFORMANCE

HEADERS

For the productivity levels you're looking for from the 9000 Series, only the most advanced headers will do. Our range is designed for high horsepower, radical efficiency and total reliability. We've also introduced self-centring attaching points, a single lever locking mechanism and a multi-coupler for all hydraulic and electrical connections. And finally, "header recognition" does away with recalibration after header changes.

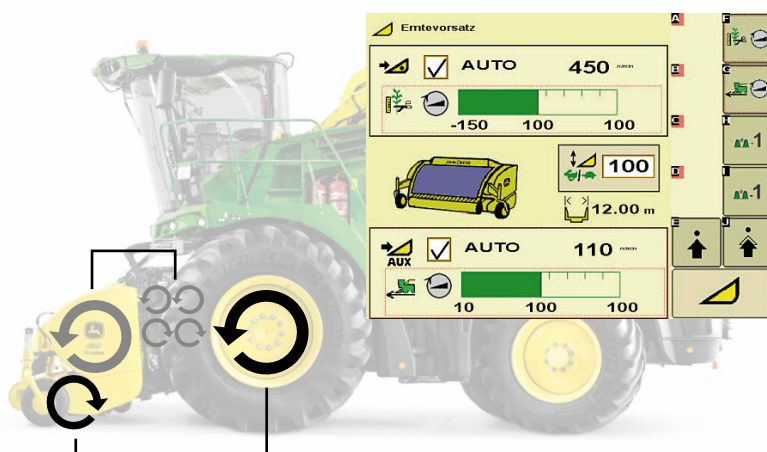


GRASS: NOTHING LEFT BEHIND

For the 9000 Series we offer our 6X9 premium pickups which are designed especially for high horsepower grass collection. Wherever the job, whatever the conditions, the new premium parts stay in the game longer in extreme field conditions – because it's DuraLine. Not only is the pickup reel built more robustly, we also added heavy duty chains. The robust auger with extra wear strips and deck plates with extra DuraLine coating on the corners will last at least 3 times longer.

EXTRA THOROUGH

Variable header drive in base synchronises auger speed to LOC for great chopping quality. Whether harvesting lighter or very heavy windrows, the optional dual header drive adjusts the speed of the pick-up tines independent of the auger, matching the ground speed and making sure no crop gets left behind.





PROFI CUT	
MODEL	WORKING WIDTH
530	5.3 m
700	7.0 m

DESIGNED FOR PEAK PERFORMANCE

Built for John Deere, Zürn ProfiCut 530 and 700 are high efficiency headers developed for cutting whole-crop silage clean and low with a tried and tested disc-cutterbar. To help you achieve maximum throughput with optimal forage quality, you're even able to adjust the auger speed to the length of cut.

WHOLE-CROP SILAGE PERFORMANCE

When you focus, you get superior results. Zürn is a John Deere partner that specialises in producing high-end attachments for harvesting machinery. Whole-crop silage harvesting does not get better than with the ProfiCut headers from Zürn.



1 | BIG VOLUME

Large floating auger for superior intake performance of large yield quantities.

2 | PERFECT FIT

Ideal for the wide body of the 9000 Series and quick header adaptation.

3 | LUBED FOR LIFE

The disc cutterbar is maintenance-free for continuous precision cutting quality and clean stubble.

4 | LESS DOWNTIME

The quick-knife-replacement system keeps interruptions short.

5 | CROP VERSATILITY

Easily mounted side knives feature fast coupling and collision protection – switch to new crops quickly and easily.

6 | IT'S SAFE

The powerful outer drives of the two separate cutterbars are synchronized for completely safe operation and superior longevity.

7 | HIGH CROPS

The hydraulically adjustable front deflector lets you adjust the header to very high crop from the operator's seat.

8 | AUTO CHAIN LUBE

No need to worry about chain lubrication – it happens automatically.

9 | LOADING CONVENIENCE

Loading and unloading is easy with the hydraulically lowered header transporter.



1 | HIGH-SPEED CUTTING

Fast turning rotors, for a perfect cut even under the most difficult conditions such as wet crops with lots of weeds.

2 | HEADER VERSATILITY

Chop maize and many other crops for feed or biogas production even under tough conditions.

6 | LESS WEAR

Power is transmitted by closed oil bath gearboxes and safety clutches for minimal wear at the driveline parts.

7 | LUBE FASTER

Our headers feature less lubrication points to make daily maintenance easier and quicker.

8 | INSPECT LESS

The main hexagonal shaft in our headers connects all gearboxes and minimises daily inspection requirements.

FLEXIBLE, LEGENDARY RELIABILITY

Built by Kemper, a John Deere company, our 300^{plus} and 400^{plus} corn headers are renowned worldwide for high capacity, reliability and low maintenance. With the wide variety of header sizes, you can choose what fits best for you.



TRANSPORT: CONVENIENT AND SAFE

We've made transport efficiency a priority to make sure that you don't lose any time when changing fields. For excellent on road driving comfort, we now offer a comfort support wheel for 300^{plus} and 400^{plus} headers. Part of the weight of the header is carried by a large 360° turning transport wheel. All safety equipment is conveniently integrated so that you leave nothing behind, and automatically folds in for transport so that you don't have to leave the cab to do it manually – when others are still folding, you're already chopping!

3 | UP WITH DOWN CROP

The integrated low outer pointers make sure that down crop gets picked up perfectly every time.

4 | FAST STUBBLE DECOMP

Specially shaped cleaners on the underside of the cutting rotors break up sharp edged maize stubble for faster decomposition.

5 | QUICK FIELD CHANGES

The comfort support wheel mounts in 30 seconds – from the cab. All security features are integrated, and lighting connects automatically.

9 | STEERING SENSOR

It allows you to direct your full attention to the header and spout functions for increased productivity.

10 | ADVANCED CONTROL

The perfect header position every time, thanks to the active height control of Advanced Header Control (AHC).

11 | ATTACH IT FASTER

The multi coupler and the optional integrated quick coupler make attachment and removal a fast and painless process.

COMPACT PERFORMER

300^{plus} HEADERS

Short, compact and with a light-weight small drum design, the 300^{plus} Series is easy on the soil and great for short to medium-height crops.

For the 9000 Series, the 300^{plus} is available in 6, 7.5 and 9 metre working widths, which gives you a perfect fit for what you're harvesting most. The row-independent harvesting technology lets you work the field from any side. Thanks to the even, length wise feeding the 300^{plus} Series is your best choice for perfect chopping quality.



SUPERIOR COVERAGE

Row-independent harvesting technology with fast-running rotors for seamless cutting over the entire width.

SHORT AND COMPACT

The compact design gives you a better view for enhanced road transport safety.

IT'S LIGHTER

We've reduced the overall weight so there's less of it on the front axle. You'll leave the field in better shape with less soil compaction.

WIDE RANGE

The 300^{plus} Series features a wide range of working widths. Choose between 6, 7.5 and 9 metre working widths.



ROTARY HEADER 300^{plus}

MODEL	WORKING WIDTH	TRANSPORT WIDTH
360 ^{plus}	6 m	3 m
375 ^{plus}	7.5 m	3 m
390 ^{plus}	9 m	3.3 m

MOUNTING COMPATIBILITY

MODEL	9600	9700	9800	9900
360 ^{plus}	■	□	□	□
375 ^{plus}	■	■	□	□
390 ^{plus}	■	■	■	■

■ Recommended

□ Possible

THROUGHPUT CHAMPION

400^{plus} HEADERS

When you need to harvest lots of high yield crops quickly, you can't do better than our 400^{plus} Series.

Designed and built for the greatest throughput, the 400^{plus} Series uses the big drum design to cut, gather and feed the crop into your SPFH. Developed with an emphasis on customer value, the 400^{plus} Series machines shine when you're looking for more yield, more productivity and more performance under extreme conditions.



ROTARY HEADER 400 ^{plus}		
MODEL	WORKING WIDTH	TRANSPORT WIDTH
460 ^{plus}	6 m	3 m
475 ^{plus}	7.5 m	3.3* m
490 ^{plus}	9 m	3 m

*All dimensions are nominal dimensions. Actual dimensions may vary from case to case.

MOUNTING COMPATIBILITY				
MODEL	9600	9700	9800	9900
460 ^{plus}	■	□	□	□
475 ^{plus}	■	■	■	■
490 ^{plus}	■	■	■	■

■ Recommended □ Possible



ALL NEW 490^{plus}

Maximum performance and highest throughput even in the toughest conditions.

1 | HIGH-YIELD EXPERT

The 400^{plus} is specially designed for harvesting high-yield crops even under difficult harvesting conditions.

2 | LESS BLOCKAGE

The design with less handover points lowers blockage risk and creates a more direct crop flow for higher throughput.

3 | PRIME QUALITY

The plants go fully lengthwise through the header to the feed rolls to achieve a perfect chopping result.

4 | FULLEST REACH

Get more done faster with the new 12-row large drum header of the 490^{plus} and its six equally sized drums.

5 | MOVE IT FAST

The double-fold mechanism of the 490^{plus} folds the entire header in about half a minute – and it's on to the next field.



FULL TRACTION, FULL CONTROL

TYRES & PRODRIVE

John Deere forage harvesters deliver enormous traction and superior control in all driving conditions – you profit from bigger tyres and ProDrive as standard features.

BIGGER TYRES, BETTER GRIP

With diameters of up to 2.15 m, the 9000 Series features extra big tyres. And at up to 0.5 m it also delivers extremely high ground clearance. Add to this a tyre pressure of as low as 1 bar, a reduced overall weight and you have a simple and efficient formula that gives you more traction and less compaction, still allowing you to zip along at speeds of up to 40 km/h on the road.





PRODRIVE – A TRANSMISSION BENCHMARK

ProDrive is the other half of the traction equation, with numerous other benefits. The sophistication of this breakthrough transmission technology stays on the inside – to you it is supremely easy to operate. ProDrive provides automatic shifting across two pre-set speed ranges in which you select a speed that will be maintained continuously, even when you're harvesting downhill on slopes. It could not be simpler: There's no gear lever and no parking brake, just a master control lever you push to move. Braking is just as easy – just pull back the lever and two brake units, and the parking brake engages automatically. While ProDrive gives you all the traction you need, it is also gentle on soft soil. On a 4WD harvester, if a wheel loses traction, the hydraulic flow is automatically directed to the wheels that still have grip and you keep moving. On softer soil, a speed differential between the front and rear axles prevents the wheels from disturbing the soil when turning.



**HIGHEST GROUND
CLEARANCE AVAILABLE
ON THE MARKET**



MORE SMILES PER HECTARE

CAB

It's quiet in here. You can focus and relax. You have all your comforts and tech tools at hand to enjoy hectare after hectare of pure productivity. Sit back and smile, you're in a 9000.

1 | SEE MORE CLEARLY

More glass, less obstructions, less reflections, rain or shine, day or night. It's all about a better view of everything.

5 | ERGONOMIC CONTROLS

Perfectly laid out controls with programmable buttons on the hydro handle.

8 | ONE-HANDED CONTROL

All key controls, one multi-function lever: speed, header fold and lift, spout turn and lift, feedroll and header engagement.



2 | ON TOP OF THINGS

The higher driving position gives you more control, the centre-cab seat adjusts to you, its air suspension protects you.

3 | INSTRUCTOR SEAT

Enough room for a passenger or second driver. When not needed, the seat folds away and turns into a work space.

4 | CONTROL YOUR CLIMATE

Precisely adjust your air conditioning from the CommandARM.

6 | ONE GLANCE, TOTAL INFORMATION

All essential operational data is displayed with extra sharp text and graphics for quick and effortless reading.

7 | STORAGE

Lots of space available to store anything you need to bring along, including a large refrigerated compartment.

9 | CHARGE AND CONNECT

Lots of 12 V sockets for charging mobile devices, plus Bluetooth to connect to the audio system for calls or music.

10 | MAINTENANCE EASE

Enjoy the convenience of an oil and greasing system that allows you to lubricate the pick-up from the cab.

A COMMANDING VIEW





Thanks to their unique hard-wearing high-tech coating, Dura Line parts help to significantly reduce in-season downtime.



40 km/h speed
limit depending on
country.

SAVING FUEL ON THE ROAD

Getting an SPFH from field to field on the road is not exactly its most productive time and costs you fuel and money. That's where John Deere engine speed management comes in: it reduces engine rpm during road transport while you maintain a productive ground speed – more fuel efficiency, more savings.



GOOD FOR BUSINESS

The more resources you have available to you, the more you can accomplish, the more you can evolve. That's why everything about the new 9000 Series was designed to help you cut down your cost of operation.

COMPONENTS THAT LAST

In the end, it's about money: When the wear parts of your machine last longer, the machine becomes more profitable. That's why we packed the 9000 Series chock full of ultra-hard wearing Dura Line components throughout the crop flow – shearbars, knife holders, the chute – Dura Line is everywhere to let you go season after season without exchanging wear components.

STRETCHED OUT SERVICE INTERVALS

Oils and filters in the engine and the hydraulic system need to be changed regularly – that's time and money. But in our case, less of that: change engine oil and filters only every 1,000 hours – up to 2,000 h for hydraulic oil and 1,000 for hydraulic filters.



READY TO HELP

SERVICES

Your 9000 Series SPFH comes with a dealer network which is there for you 100% – with answers, parts and services that will make sure you get the very best from your machine.



EXPERIENCE THE POWERGARD FEELING

When it comes to protecting your machines and your business, peace of mind is not something that somehow happens if you're lucky. Peace of mind is a choice that you can make. PowerGard agreements protect you against unexpected repair costs and keep your maintenance on track with genuine parts. Three fixed rate packages provide increasingly comprehensive levels of cover to keep your machine running at peak performance with steady uptime.

FARMSIGHT SERVICES. UPTIME DELIVERED

You rely on your SPFH every second during season. You should, and you can – with FarmSight Services packages. We're committed to keep you working without compromise. We continuously invest in technician training and the latest technology to support you in the most efficient manner. Our FarmSight Services packages have been designed with two goals in mind: maximise your uptime and minimise your cost of operation. See for yourself – unlock the full potential of your John Deere SPFH.



WE'LL KEEP YOU MOVING

When you need a part, you need it quickly. Your dealer keeps most of them in stock. For everything else, the professional John Deere logistics network brings it in promptly. You can count on it.



CONNECTED SUPPORT

A machine connected with JDLink helps your dealer to connect with your in-cab display and remotely assist you with machine setup and operation, leveraging Remote Display Access. Service Advisor Remote enables your dealer to install the latest software updates, read out diagnostic trouble codes on demand or perform various recordings to support initial error diagnosis much quicker and more cost-effectively than with in-field visits. Based on software algorithms, Expert Alerts will help service technicians to predict certain upcoming issues before they arise, so that they can react quickly and increase uptime significantly.

Ideally, you should be connected with a FarmSight Service agreement to train and support you with the use of these technologies.



FAST AND FLAWLESS

AUTOTRAC & ROWSENSE

Automatic hands-free guidance is an essential feature for high volume harvesting operations when you need to fully load the harvester hour after hour.

Apart from ensuring you get a full header width with every pass, it saves fuel by eliminating missed or skipped sections and lets you consistently harvest at higher speeds hour after hour. Guidance also has the added benefit of taking away the stress of harvesting tall maize and other row crops. So, you can relax and focus on other essential tasks and processes for cutting excellent silage.



MANUAL ROWSENSE

Exclusively designed for harvesting maize, Manual RowSense is an electro-mechanical system which uses digital feelers mounted in the maize header to follow the position of the stalks. The signal from the feelers is relayed to a wheel angle sensor and the wheels are automatically adjusted to align the harvester precisely in line with the crop. It is very flexible and will work in row spaces from 50 cm up to 85 cm. Using Manual RowSense couldn't be simpler. Operated via a single button on the multi-function control lever it automatically compensates for any uneven planting or field contours. The steering is adapted to the ground speed of the harvester and becomes more responsive as the machine's speed increases.





RELAX, FILL, REPEAT – ACTIVE FILL CONTROL

John Deere Active Fill Control utilises a stereo camera to control the rotation and flap position of the spout automatically. The system can actively track transport vehicles and aim the crop from the best position to execute a desired fill strategy, also in rear-unload conditions when opening up a new field*. Meanwhile, you can relax and focus on overall harvesting optimisation and machine operation.



*requires StarFire receiver

BETTER INFORMATION, MORE VALUE

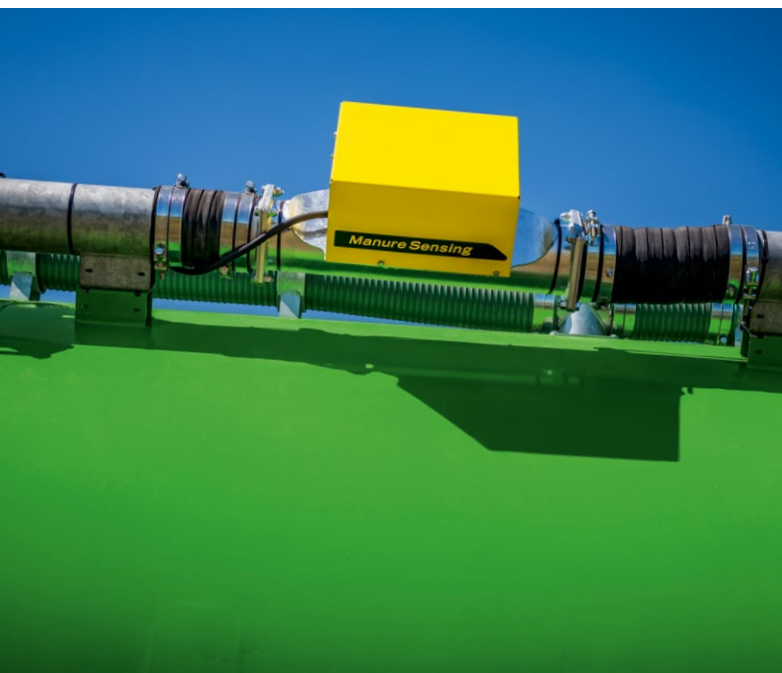
HARVESTLAB 3000 FORAGE AND MANURE ANALYSIS

Take real-time forage and manure information from the HarvestLab 3000 sensor and make in-field adjustments to create the best product you have ever delivered – accurately and reliably.

ONE SENSOR, THREE APPLICATIONS

A true multi-purpose device, you can use HarvestLab 3000 on an SPFH, a slurry tanker, or as a mobile laboratory.

Fitting HarvestLab 3000 to a slurry tanker lets you precisely apply N/P/K in kg/ha, save on mineral fertilizer, and achieve better and more consistent crop growth and quality.



HarvestLab 3000 also pays off after a manure or forage harvesting season: Take it off the machine to use the sensor as a stationary unit which measures the ingredients of your ensiled material from the clamp in order to optimize your feed rations.





	SPFH	MOBILE LABORATORY	SLURRY TANKER
HarvestLab 3000 Sensor	■	■	■
Constituent Sensing Calibrations	■	■	–
Turn Table & Stationary Kit	–	■	–
StarFire Receiver	■	–	■
4640 Display or GreenStar 3 2630 display	■	–	■
Manure Sensing Calibrations	–	–	■
Manure Sensing Kit	–	–	■



**AWARD WINNING
TECHNOLOGY**

HavestLab technology has proven itself in the field for years, and is a consistent favourite on the awards circuit.

Agritechnica
Silver Medal 2007
HarvestLab

Agritechnica
Silver Medal 2011
Constituent Sensing

Fima Medal 2014

Agrotechniek
Bronze Sickle 2014

Agritechnica
Gold Medal 2015
Connected Nutrient
Management

THE SECRET TO GREAT SILAGE

HARVESTLAB 3000 ON YOUR SPFH

HarvestLab 3000 simultaneously measures the dry matter and various constituents of harvested crops. Its sensor uses near-infrared-reflectance (NIR) technology that takes over 4,000 readings per second to produce instant and highly accurate data on-the-go. The technology has been certified by the Deutsche Landwirtschafts-Gesellschaft (DLG) for dry-matter analysis of corn silage with a +/- 2% precision. Since its introduction in 2008, thousands of HarvestLab units have been operating around the world, with excellent performance even in challenging field conditions.

Fitted to an SPFH, HarvestLab 3000 enables automated length of cut adjustment depending on dry matter content, ensuring optimum silage compaction and conservation. Additionally, livestock and dairy farmers profit from real-time detection of changes in feed quality and better control over the use of silage additives. Biogas producers like HarvestLab 3000 because it gives them accurate information on the actual crop quality they buy.



CROP TYPE	DRY MATTER (DM)	CRUDE PROTEIN (XP)	STARCH	CRUDE FIBRE (XF)	NDF (OM)	ADF (OM)	SUGAR (XZ)	CRUDE ASH
Corn	■	■	■	—	■	■	—	—
Grass	■	■	—	■	■	■	■	■
Alfalfa	■	—	—	—	—	—	—	—
Whole Crop Silage	■	—	—	—	—	—	—	—

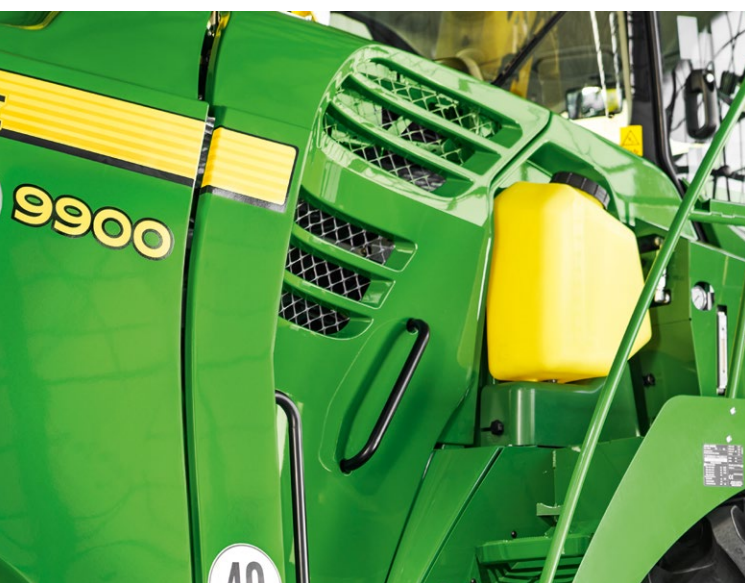
CAPABILITIES AT ONE GLANCE

- DM, protein, starch, fibre, NDF, ADF, Crude Ash and sugar analysis on-the-go
- Automatic length of cut adjustment
- Precise dosing of silage additives





Easy to read display



30 L concentrate tank

INTEGRATED CROP DOSING

HarvestLab sensor readings also work beautifully with another feature of the 8000 and 9000 Series: the fully integrated ADS Twin Line system doses silage additives based on time, harvested tons or on dry matter tons using HarvestLab sensor readings. Supplied from two different tanks, the dosing nozzles are positioned at air intake of the crop accelerator and allow you to choose either fixed or variable dosing rates based on moisture readings from HarvestLab. The twin tanks allow you to add two different inoculants together, or apply them at different times, giving you the flexibility to adapt to each specific job's needs.



MOBILE INTELLIGENCE

THE EVERYWHERE LAB



The John Deere HarvestLab 3000 sensor can also be used as a laboratory unit at a storage facility or home office. Connecting to a vehicle power outlet keeps you completely mobile and provides you with instant information wherever you are.



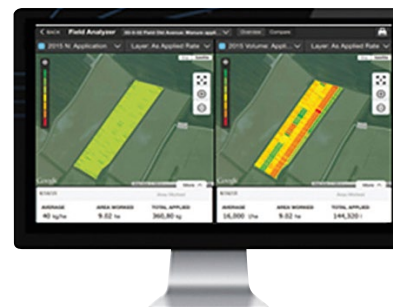
Daily analysis is critical to ensure proper bunk management, feed rationing and livestock health. As a result you can save on unnecessary supplements while achieving higher yields in beef, dairy or biogas production and ultimately higher business profitability.



BE SMART ABOUT YOUR MANURE

HARVESTLAB 3000 ON A SLURRY TANKER

HarvestLab 3000 is manure technology with real bottom-line impact. Enjoy instant, accurate, on-the-go nutrient analysis with over 4,000 readings per second with comprehensive automated site-specific application and nutrient documentation. In the end you're using less mineral fertiliser while achieving higher yields. Of course it's fully compatible with manure systems from Fliegl, Joskin, Kotte, Pichon, Samson and Vervaet, and you can also retrofit it to drag hose systems independent of brand.



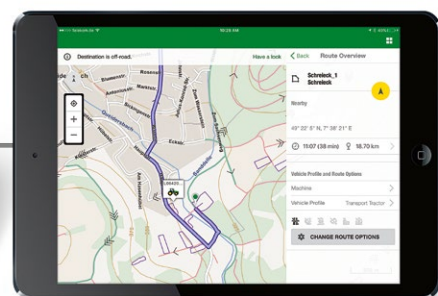
1. Site-specific Application – John Deere Manure Sensing is controlled intuitively, via the familiar Generation 4 or GS3 2630 display. Prior to application, you define the target rate for one nutrient. You can then define a limit rate for a second nutrient. For an even higher level of precision you can also upload site specific prescription maps.

2. The NIR sensor constantly compares actual nutrient levels with target levels and automatically controls the speed and/or flow regulation to ensure the desired nutrient rate is applied. In case a given speed limit is reached, flow rates can be adjusted for selected slurry tanker brands.

3. Documentation – Up to 4 nutrients can be documented site-specifically and sent to the John Deere Operations Center. Based on this information, prescription maps for secondary mineral fertiliser application can be derived and sent back to the machine. This saves you mineral fertiliser costs and optimises the nutrient supply for your crops.



MANURE TYPE	DRY MATTER (DM)	N _{TOT}	P (P ₂ O ₅)	K (K ₂ O)	NH ₄
Pig	■	■	■	■	■
Cattle	■	■	■	■	■
Biogas Digestate	■	■	■	■	■



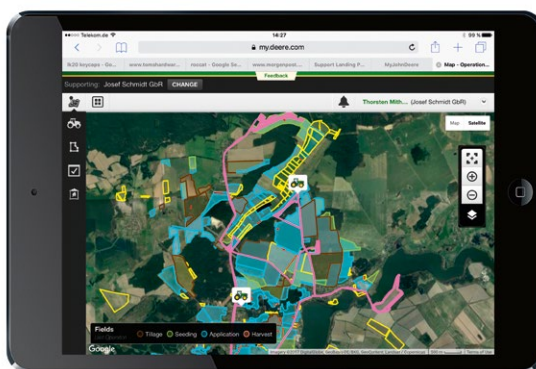
JOB MANAGEMENT MADE EASY

MyJobConnect lets you assign tasks to your operators on-the-go, utilising the MyJobsManager App. Your operators can view the work orders in real-time and execute accordingly using the MyJobs App on their mobile device. At the end of the job, you have complete data at hand for quicker reporting and professional invoicing. MyJobConnect Premium extends these and other capabilities into a powerful mixed fleet logistics solution.

YOUR GATEWAY TO BETTER BUSINESS DECISIONS

You're managing a complex enterprise. That's why optimising the overall business depends on being well connected to your ongoing operations.

The Operations Center on our Ag web portal MyJohnDeere.com makes it simple. It connects you to your machines, your operators and your fields from one central location. It also allows you to exchange information seamlessly with your John Deere dealer or other trusted partners.



John Deere Operations Center – Allocate exact field locations for the next jobs, track the work progress of your machines, assign work orders to your operators, view "as-applied" maps automatically sent from the field and create, analyse and share application reports with partners and customers.



SPECIFICATIONS

MODEL	9600
ENGINE POWER	
Maximum power @ 1,800 rpm ECE R120, kW (hp)	460 kW-625 hp
Fuel tank capacity	1,100 L
DEF tank capacity	43 L
ENGINE	
Manufacturer	John Deere
Type	PowerTech PSS 13.5 L Exhaust emission regulation compliancy: Tier 4 Final / Stage V
Model	6135HZ021
Displacement	13.5 L
Cylinders	In line six
Fuel system	Unit injectors plus four valves
Air compressor	Optional
COOLING SYSTEM	
Cooling system capacity	113 L
Cooling fan drive	Direct
DRIVELINE	
Ground drive	Prodrive, autoshift transmission, differential lock (automatic and manual), automatic wet brake system Engine rpm on road: 1,400-2,100 rpm
Main Hydraulics	Load sensing
Main clutch	Dry clutch
Number of clutch discs	One disc
Main driveband	Reinforced with Kevlar inserts
Belt tensioning	Active, hydraulic pressure
Main driveband, polybelt belts	Six grooves
ELECTRICAL SYSTEM/ELECTRICAL AND HYDRAULIC SYSTEM	
Type/voltage	12 V
Battery quantity/capacity	2 x 174 amp-hr
Alternator	200 amp
Hydraulic system capacity	50 L
GROUND DRIVE	
Maximum transport speed	20/25/30/40 km/h
Rear axle type	Hydro-Mechanical 4WD
Automatic wet brake system	Standard
Engine rpm – Management	Standard
LENGTH OF CUT	
40 knife cutterhead	7-26 mm LOC in 1 mm steps / 1,100 rpm
48 knife cutterhead	6-22 mm LOC in 1 mm steps / 1,100 rpm
56 knife cutterhead	5-19 mm LOC in 1 mm steps / 1,100 rpm 4-17 mm LOC in 1 mm steps / 1,200 rpm
64 knife cutterhead	3-15 mm LOC in 1 mm steps / 1,200 rpm
HARVEST CHANNEL	
Width	Wide body channel

9700	9800	9900
566 kW-770 hp	640 kW-870 hp	713 kW-970 hp
1,500 L	1,500 L	1,500 L
90 L	90 L	90 L
Liebherr	Liebherr	Liebherr
D9512 A7 04	D9512 A7 04	D9512 A7 04
Exhaust emission regulation compliancy: Tier 4 Final / Stage V	Exhaust emission regulation compliancy: Tier 4 Final / Stage V	Exhaust emission regulation compliancy: Tier 4 Final / Stage V
D9512 A7 04	D9512 A7 04	D9512 A7 04
24.2 L	24.2 L	24.2 L
V 12	V 12	V 12
Common rail plus four valves	Common rail plus four valves	Common rail plus four valves
Standard	Standard	Standard
130 L	130 L	130 L
Direct	Direct	Direct
Prodrive, autoshift transmission, differential lock (automatic and manual), automatic wet brake system	Prodrive, autoshift transmission, differential lock (automatic and manual), automatic wet brake system	Prodrive, autoshift transmission, differential lock (automatic and manual), automatic wet brake system
Engine rpm on road: 1,200-1,800 rpm	Engine rpm on road: 1,200-1,800 rpm	Engine rpm on road: 1,200-1,800 rpm
Load sensing	Load sensing	Load sensing
Dry clutch	Dry clutch	Dry clutch
Two discs	Two discs	Two discs
Reinforced with Kevlar inserts	Reinforced with Kevlar inserts	Reinforced with Kevlar inserts
Active, hydraulic pressure	Active, hydraulic pressure	Active, hydraulic pressure
Eight grooves	Nine grooves	Nine grooves
12 V / 24 V	12 V / 24 V	12 V / 24 V
3 x 174 amp-hr	3 x 174 amp-hr	3 x 174 amp-hr
12 V-200 amp // 24 V-140 amp	12 V-200 amp // 24 V-140 amp	12 V-200 amp // 24 V-140 amp
50 L	50 L	50 L
20/25/30/40 km/h	20/25/30/40 km/h	20/25/30/40 km/h
Hydro-Mechanical 4-WD	Hydro-Mechanical 4-WD	Hydro-Mechanical 4-WD
Standard	Standard	Standard
Standard	Standard	Standard
7-25 mm LOC in 1 mm steps / 1,170 rpm	7-25 mm LOC in 1 mm steps / 1,170 rpm	7-25 mm LOC in 1 mm steps / 1,170 rpm
6-21 mm LOC in 1 mm steps / 1,170 rpm	6-21 mm LOC in 1 mm steps / 1,170 rpm	6-21 mm LOC in 1 mm steps / 1,170 rpm
4-18 mm LOC in 1 mm steps / 1,170 rpm	4-18 mm LOC in 1 mm steps / 1,170 rpm	4-18 mm LOC in 1 mm steps / 1,170 rpm
4-16 mm LOC in 1 mm steps / 1,350 rpm	4-16 mm LOC in 1 mm steps / 1,350 rpm	4-16 mm LOC in 1 mm steps / 1,350 rpm
3-16 mm LOC in 1 mm steps / 1,170 rpm	3-16 mm LOC in 1 mm steps / 1,170 rpm	3-16 mm LOC in 1 mm steps / 1,170 rpm
3-14 mm LOC in 1 mm steps / 1,350 rpm	3-14 mm LOC in 1 mm steps / 1,350 rpm	3-14 mm LOC in 1 mm steps / 1,350 rpm
Wide body channel	Wide body channel	Wide body channel



SPECIFICATIONS

MODEL	9600	
FEEDROLLS		
Feed roll frame opening	Swing away, 37-45 degree (angle)	
Number feedrolls	Four	
Metal detector	Standard	
Stone detector	Optional	
Feeding channel width, front	830 mm	
Hydro feedroll drive with Infinite Variable Length of Cut	Standard	
HEADER CONNECTION		
Infinitely variable header drive	Standard	
Lateral Pivoting frame	Standard	
Mutli coupler	Standard	
Auto PTO coupler	Optional	
Header Height and float pressure control	Standard	
Hydraulic actuated lateral header tilt	Optional Advanced Header Control (AHC)	
Grass pick-ups (transport width)	3.0, 4.0, 4.5 m	
Maize headers	8, 10 or 12 rows	
CUTTERHEAD		
Type	Dura-Drum cutterhead	
Cutterhead width	850 mm	
Cutterhead diameter	670 mm	
Speed at rated engine speed	1,100 rpm / 1,200 (Option)	
Number of knives	40 - 48 - 56 - 64	
Knife types available (crop)	Straight (grass/universal) Curved (corn)	
Shearbar options	Grass, Corn or Dura Line Plus	
Fine Shearbar Adjust	Standard	
Quick Shearbar Adjust	Standard	
KNIFE SHARPENING SYSTEM		
Reverse rotation	Yes	
Sharpening control	Remote from cab	
Sharpening modes	Grinding and finishing	
KERNEL PROCESSOR		
Available KP types	Premium KP, XStream KP	
Quick KP removal	Crane with remote controlled electric hoist	
KERNEL PROCESSING OPTIONS		
PREMIUM KP		
Housing	Standard KP housing	
Lubrication	Grease	
Roll diameter (mm)	240	
Speed differential	32% (optional: 40%)	
Maize, saw teeth number	118	
Wholecrop, saw teeth number	178	
XSTREAM KP		
Housing	Heavy Duty Housing	
Lubrication	Pressurized oil	
Roll diameter (mm)	250	
Speed differential (%)	50	
Maize, saw teeth number	110/145	
Wholecrop, saw teeth number	145/165	

9700	9800	9900
Swing away, 37-45 degree (angle)	Swing away, 37-45 degree (angle)	Swing away, 37-45 degree (angle)
Four	Four	Four
Standard	Standard	Standard
Optional	Optional	Optional
830 mm	830 mm	830 mm
Standard	Standard	Standard
Standard	Standard	Standard
Standard	Standard	Standard
Optional	Optional	Optional
Standard	Standard	Standard
Optional Advanced Header Control (AHC)	Optional Advanced Header Control (AHC)	Optional Advanced Header Control (AHC)
3.0, 4.0, 4.5 m	3.0, 4.0, 4.5 m	3.0, 4.0, 4.5 m
8, 10 or 12 rows	8, 10 or 12 rows	8, 10 or 12 rows
Dura-Drum cutterhead	Dura-Drum cutterhead	Dura-Drum cutterhead
850 mm	850 mm	850 mm
670 mm	670 mm	670 mm
1,170 rpm / 1,350 (Option)	1,170 rpm / 1,350 (Option)	1,170 rpm / 1,350 (Option)
40 - 48 - 56 - 64	40 - 48 - 56 - 64	40 - 48 - 56 - 64
Straight (grass/universal)	Straight (grass/universal)	Straight (grass/universal)
Curved (corn)	Curved (corn)	Curved (corn)
Grass, Corn or Dura Line Plus	Grass, Corn or Dura Line Plus	Grass, Corn or Dura Line Plus
Standard	Standard	Standard
Standard	Standard	Standard
Yes	Yes	Yes
Remote from cab	Remote from cab	Remote from cab
Grinding and finishing	Grinding and finishing	Grinding and finishing
Premium KP, XStream KP	Premium KP, XStream KP	XStream KP
Crane with remote controlled electric hoist	Crane with remote controlled electric hoist	Crane with remote controlled electric hoist
Standard KP housing	Standard KP housing	—
Grease	Grease	—
240	240	—
32% (optional: 40%)	32% (optional: 40%)	—
118	118	—
178	178	—
Heavy Duty Housing	Heavy Duty Housing	Heavy Duty Housing
Pressurized oil	Pressurized oil	Pressurized oil
250	250	250
50	50	50
110/145	110/145	110/145
145/165	145/165	145/165

SPECIFICATIONS

MODEL	9600
CROP ACCELERATOR	
Rotor Diameter / Width	560 / 620 mm
Number of blades	10
Rotor Speed [rpm]	1,800
SPOUT	
Rotation	210°
Reach from centre line (m) (optional) (m)	4.73 (5.87, 6.71)
Working height (maximum)	Height to spout: 6.60 m
Spout Camera	Optional
Active Fill Control	Optional
CAB	
Panoramic view windows	Standard
Touch screen display	Standard
Refrigerator	Optional
Bluetooth radio	Optional
AGRICULTURAL MANAGEMENT SOLUTIONS	
Yield monitoring	Harvest Monitor optional
Documentation	Harvest Doc optional
Crop analysis	HarvestLab 3000 optional
Length-of-cut control based on crop	AutoLOC optional with HarvestLab 3000
Assisted steering	AutoTrac or Manual RowSense optional
VEHICLE	
FRONT TYRE OPTIONS	
650/85 R38	Available
710/70 R42	Available
710/75 R42	Available
800/70 R38	Available
800/70 R42	Available
900/60 R38	Available
900/60 R42	Available
REAR TYRES	
500/85 R30	Available
520/85 R30	Available
620/70 R30	Available
620/75 R30	Available
650/60 R34	Available
710/60 R30	Available
750/65 R26	Available
Transport length (without header)	6.6 m
Transport width (without header)	3.1-3.49 m
Transport height (to cab roof)	Below 4.0 m

9700	9800	9900
560 / 620 mm	560 / 620 mm	560 / 620 mm
10	10	10
1,800	1,800	1,800
210°	210°	210°
4.73 (5.87, 6.71)	4.73 (5.87, 6.71)	4.73 (5.87, 6.71)
Height to spout: 6.60 m	Height to spout: 6.60 m	Height to spout: 6.60 m
Optional	Optional	Optional
Optional	Optional	Optional
Standard	Standard	Standard
Standard	Standard	Standard
Optional	Optional	Optional
Optional	Optional	Optional
Harvest Monitor optional	Harvest Monitor optional	Harvest Monitor optional
Harvest Doc optional	Harvest Doc optional	Harvest Doc optional
HarvestLab 3000 optional	HarvestLab 3000 optional	HarvestLab 3000 optional
AutoLOC optional with HarvestLab 3000	AutoLOC optional with HarvestLab 3000	AutoLOC optional with HarvestLab 3000
AutoTrac or Manual RowSense optional	AutoTrac or Manual RowSense optional	AutoTrac or Manual RowSense optional
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
—	—	—
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
Available	Available	Available
6.6 m	6.6 m	6.6 m
3.1-3.49 m	3.1-3.49 m	3.1-3.49 m
Below 4.0 m	Below 4.0 m	Below 4.0 m



NOTHING RUNS LIKE A DEERE

As technology like the 9000 Series evolves, and as your business evolves, you can count on one thing: we're there when you need us – for advice, to solve a problem, or for a part. Reach out, we'll be there with technicians who are factory trained, ready to go to work for you, using only genuine John Deere parts and products.



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