

S7 Combines

S7 600, 700, 800 and 900



JOHN DEERE



HARVEST

THE ALL NEW S7 COMBINE



READY



4-5	S7 Overview
6-7	Power and Productivity
8-9	Grain Management
10-11	Precision and Automation
12-13	Ultimate Technology Package
14-15	Comfort and Convenience
16-17	Visibility
18-21	Service and Support
22-23	Specifications S7 Combines

S SERIES

REMASTERED





The sleek, new lines. The grain-eating heart. The rugged dependability. When we built the all new S7 Combine from the ground up, we looked to its legendary big brother—the X9. Borrowing some of the best X9 features, we gave the S7 the same cab, with more comfort and visibility. We loaded it with smart guidance and automation tools to increase productivity and decrease stress. And we gave it improved grain loss sensing and residue management system. Together, it all adds up to the most advanced, comfortable, and capable S7 Combine ever built.

IT'S THE SMART POWER PLAY

John Deere PowerTech™ 13.6 L engine

Ag built for ag work in the toughest conditions. The turbo-charged, 13.6 L (830 cu in.) power plant in the S7 800 and S7 900 not only gives you maximum-rated power at lower engine RPM, it also boosts maximum torque by up to 10%. More productivity, less fuel. That's what we call smart power.

UP TO **10%**
LESS FUEL USED¹

UP TO **10%**
MORE MAX TORQUE¹

John Deere PowerTech™ 9.0 L engine

And for the new S7 700 and S7 600, the new generation 9.0 L (549 cu in.) engine features a new L40 control system that delivers advanced diagnostics. Improved fuel dosing and EGR system refinements on FT4 engine reduce fuel usage and provide easier serviceability. Together this engine offers a giant leap in helping you reduce fuel consumption, machine operating costs and environmental impact. It's a win win!





Premium PowerCast™ Residue System

Next season's tillage actually starts during this season's harvest, as your combine residue begins returning nutrients to the soil. Using a combination of straight blade knives and a mechanical drive, the PowerCast system delivers even residue distribution up to 45 ft., while conserving up to 15 horsepower.



Improved Grain Loss Sensing

The enhanced grain loss monitoring system—now standard on the S7—has 2x the sensors as before to give you more accurate loss sensing.

NO PAIN

HarvestLab™ 3000 Grain Sensing

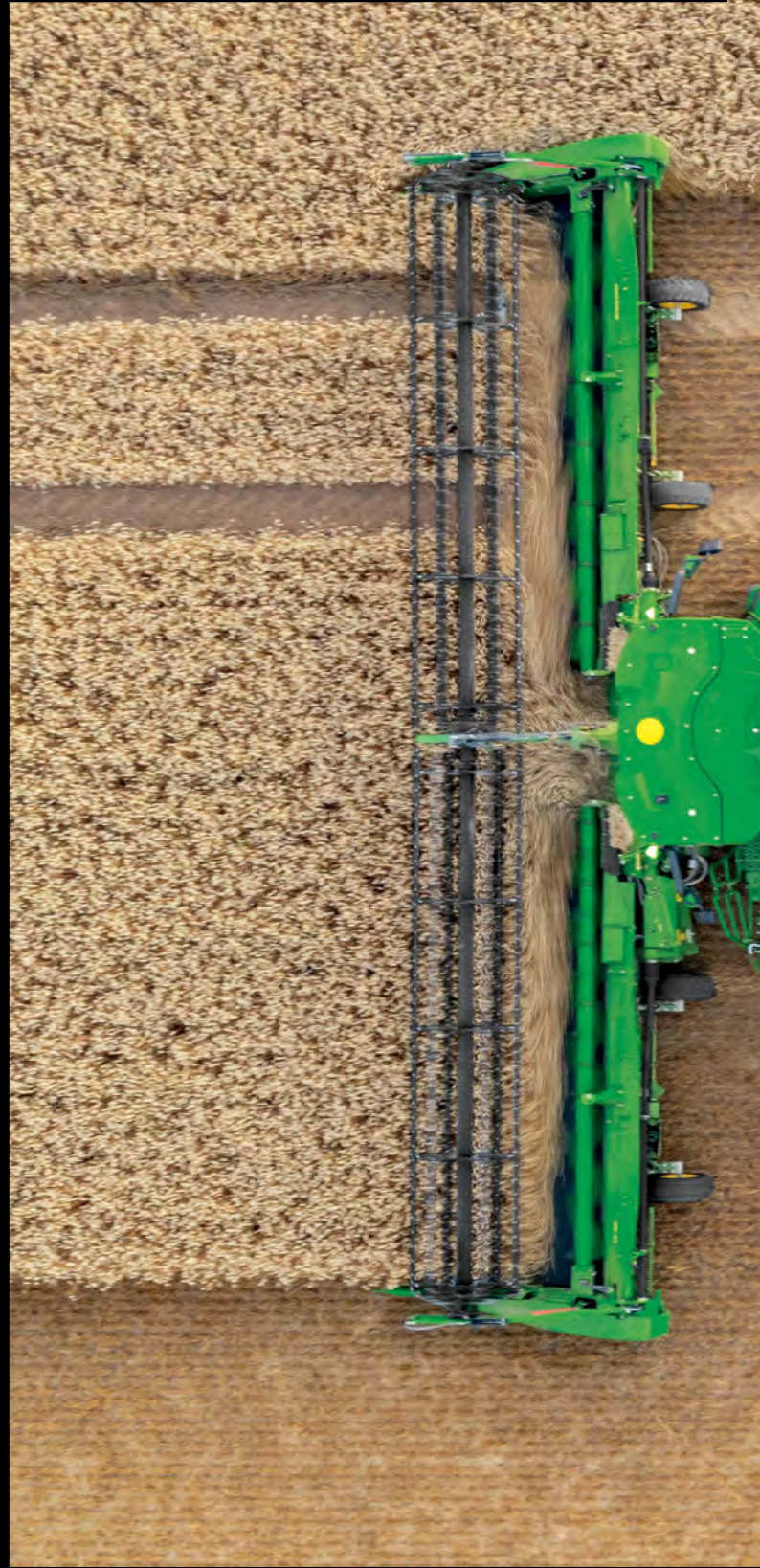
Grain quality matters. And the best way to monitor it is with HarvestLab 3000. HarvestLab automatically measures—on the go—moisture, protein, starch, and oil values in wheat, barley, and canola.

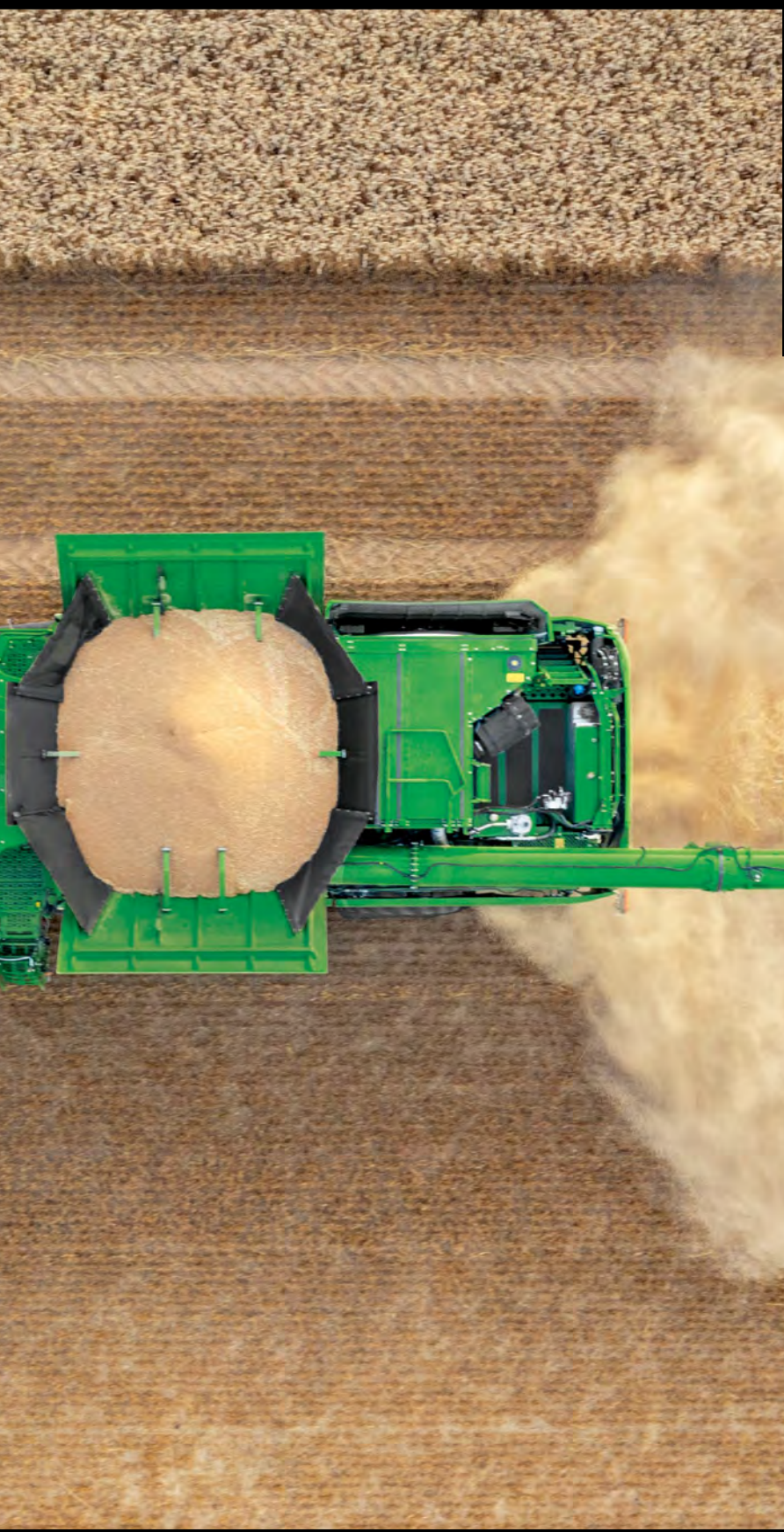
HarvestLab records and maps small grains data as it's harvested. By viewing this data directly in your combine— or in John Deere Operations Center™—you can:

- Market your grain for highest potential returns and take advantage of premiums for constituent values, such as protein.
- Prepare for the next growing season by knowing your protein and yield. This tells you accurately how much nitrogen was removed, so you know what needs to be replaced to get the best yields next year.
- Reduce input costs and maximised yield and protein. With the right information, you can improve nutrient management or variety choice by simply targeting field areas where high-protein grain was harvested and focusing on areas that didn't reach the quality or yield targets.



ALL GRAIN





Adjustable Auger Spout

With the Adjustable Auger Spout, you can adjust auger positions right from your cab. That makes it easier to fill chaser bins or trailers on the go, and reduces unnecessary grain spillage, increasing your overall grain retention.



Cross Auger Shutoff

Optional on S7 Combines, the cross auger shutoff automatically ensures the auger is completely emptied on every unload. This reduces weight in the auger and peak loads when engaging the unloading system. And, by creating less torque on the chain and unloading sprocket at start up, it reduces potential sheer pin breakages that cause time-wasting downtime.

MORE **PRODUCTIVITY?** LET'S GET **PRECISE.**

G5 Advanced Package

More automation means more productivity and less stress. And that's what you get with the G5 Advanced Package, which bundles five of our most advanced guidance and automation technologies into a single 1- or 3-year license. That gives you not only a lower up-front cost, but also technology that gets better over time, as you'll get automatic access to new features as they are released.

The G5 Advanced Package includes:



AutoPath™

Forget guessing which guidance line to use, even in complex fields. No more counting rows or harvesting that row of shame.



AutoTrac™ Turn Automation

AutoTrac Turn Automation gives you hands-off and stress-free confidence from one pass to the next.



Machine Sync

On-the-go, stress-free unloading in every condition. Work faster, even with inexperienced chaser bin operators.



In-Field Data Sharing

Between multiple machines and fields, share guidance lines, coverage maps, as-applied pass-to-pass data, and field totals, without wasteful radio chatter.





G5^{Plus} CommandCenter™ Display

Bigger. Faster. Clearer. The G5^{Plus} Display gives you more space to see and do more, with a 35% larger screen space. A 3x faster processor for faster boots. And a crisp, 1080p high definition resolution gives you visual clarity in any condition¹.



John Deere Operations Center Mobile™

Manage your harvest from anywhere with the Operations Center Mobile app. Remotely view harvest information such as yield, moisture, and area worked. You can also remotely view and adjust combine settings. Plus, you can leverage historical map layers, as well as harvest summary information.

MORE HECTARES. LESS STRESS. AUTOMATICALLY.

Harvest Settings Automation

It's your crop. You know what you want out of it.
Does your combine?

Harvest Settings Automation³—included in the Premium and Ultimate Technology Packages—makes it easier than ever to set the specific outcomes you expect. Using your G5^{Plus} Display, simply set acceptable limits for grain loss, foreign material, and broken grain.

Once set, the combine automatically adjusts itself to deliver the performance you want. No more manually adjusting rotor speed, fan speed, and concave, chaffer, and sieve clearances. The combine does it for you according to outcomes you've already prescribed.

That gets you into crops faster and reduces the things you have to constantly monitor. When set limits are exceeded, your display shows you where the setting adjustment is being made and why.

Plus, your G5^{Plus} Display comes preloaded with a variety of harvest modules, so you customise your harvest run pages to monitor things like grain loss and yield and productivity history. That means less switching from page to page, allowing you to focus on other things.

Ultimate Technology Package can increase productivity up to 20%²

¹ Requires ProDrive™ or ProDrive™ XL Transmission

² Based on anonymised Ops Center data comparing John Deere combine models with and without Predictive Ground Speed Automation. Productivity represented by tonnes of crop per hour. Results will vary depending on model, crop and field and operating conditions.

³ Available in both Premium and Ultimate license packages and includes factory-in stalled hardware, such as cameras and more.





Predictive Ground Speed Automation

How many more hectares could you harvest if your combine were more predictive and less reactive? Find out with the Ultimate Technology Package which includes Predictive Ground Speed Automation¹.

Using two forward, cab-mounted stereo cameras—and pre-harvest satellite field images—the S7 generates a predictive field map AND constantly measures crop height and volume. The combine takes this data and automatically adjusts ground speed BEFORE entering changing crop areas.

That means you can maintain peak feed rates all day long, even in inconsistent crop conditions. That helps you increase combine capacity while minimising grain loss.

And by anticipating the crop load, the combine has time to gently adjust speed, helping you increase combine capacity while minimising grain loss.

Less stress. More harvested hectares. All automatically. Who could've predicted that? Only the S7.

THEY SAY OUR NEW CAB

HAS THAT

X FACTOR

That's because the same cab that's on industry-leading X9 Combines is the same one we put on the new S7. With improved visibility, this new cab gives you all-day comfort for all-day work. To keep you connected with your combine, we included an integrated G5 CommandCenter™ Display and an integrated StarFire™ Receiver. And the all new primary display is bigger than previous models, giving you more visibility and control.

An all-new swing ladder makes entry and exit faster and easier, and gives you a narrower profile for transit.

More convenience. More control. More comfort. That's how you keep operators at their best... all day long.

COMFORT PACKAGES

SELECT

Cloth air suspension seat with mechanical controls and lumbar support
Foot rests
Heat and air-conditioning vent at the base of the seat
Five cupholders
Accessory rail with tablet mount
USB and power ports

PREMIUM

Cloth air suspension seat with electronic controls and lumbar support; 16 degrees of swivel to the left and right
Foot rests
Refrigerator
Touchscreen radio (satellite and smart phone ready)
Five cupholders
Accessory rail with tablet mount
USB and power ports

ULTIMATE

Appointed leather seat with electronic controls and lumbar support; left-hand and right-hand swivel; heated, ventilated; massaging feature
Auto-cinching door
Foot rests
Refrigerator
Touchscreen radio (satellite and smart phone ready)
Five cupholders
Accessory rail with tablet mount
USB and power ports

SUSPENSION PACKAGES

Two packages offer you a choice in seat suspension.

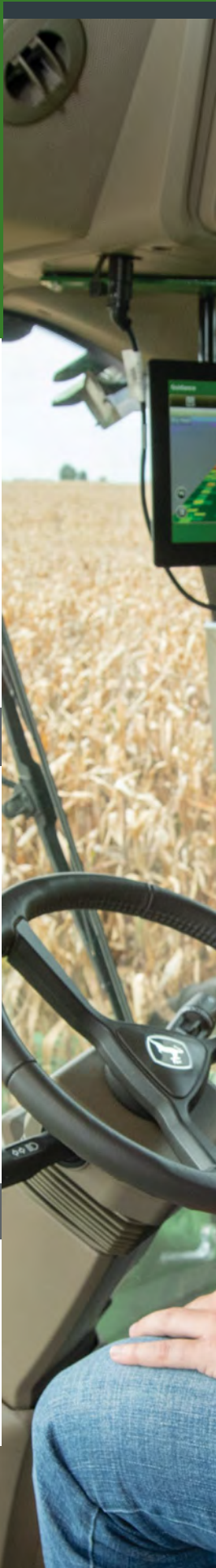
PREMIUM

Cloth seat with air suspension

ULTIMATE¹

Includes ActiveSeat™ II

Significantly reduces vertical motion up to 90% compared to the Premium Package





LIGHT YOUR WAY

When harvest work stretches into the night, your S7 Combine has three Visibility Packages. Mix or match them with your choice of Comfort and Convenience Packages.

SELECT

- LED lights
- Manual, unheated mirrors
- Grain tank mirror
- Front sunshade
- Front wiper
- Backup camera

PREMIUM

- LED lights with twice as much output as previous model
- LED lights under each wing
- Electric and heated mirrors
- Grain tank mirror
- Front sunshade
- Front wiper
- Backup camera

ULTIMATE

- 360-degree LED lights
- LED lights under each wing
- Electric and heated mirrors
- Grain tank mirror
- Front sunshade
- Right-hand sunshade
- Front wiper
- Backup camera
- Grain tank and unloading auger cameras
- Lighting on sides of combine and under the grain tank covers





SERVICE AND SUPPORT

YOU'VE GOT CONNECTIONS



JDLink™ Connected Service

Your S7 Combine comes standard with a JDLink Modem, and you can activate JDLink connected service free from your Operations Center account¹. Once activated, your John Deere dealer offers the connection needed to keep you running when it's crunch time. With your approval, JDLink provides the bridge to proactive and predictive alerts that identify possible issues and from there, the dealer can remotely assess the problem, saving you time and money.

Service ADVISOR™ Remote

Allows your dealer to remotely analyse diagnostic trouble codes in near real time so technicians arrive on-site with the right parts and the right tools to quickly repair your tractor.

Proactive Alerts

Avoid possible downtime by allowing your dealer to remotely monitor your tractor. If they spot a possible issue, they can proactively alert you before it becomes a costly, time-eating problem.

Remote Display Access

Lets your dealer remotely and quickly assist you with in-cab display setup and adjustments for optimal tractor performance.



¹ JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your Operations Center account for free. JDLink requires a mobile connection to transfer information from machine to a JDLink website. Consult your John Deere Dealer for coverage availability.



PARTS, SERVICE AND SUPPORT

TO KEEP YOU RUNNING

The John Deere dealer network is here to serve you. If you need a part, attachment, or service, you can head to a local dealer and use their expertise to find the right solution for your budget. They know the ins and outs of your combine and have a clear understanding of your unique needs. You can count on our highly trained technicians to keep you up and running.

► ADDITIONAL OPTIONS FOR THRESHING AND SEPARATING ENHANCEMENTS



KONDEX® REVOLUTION™ HALF-WIDTH CONCAVES

Versatility to match varying crop conditions. These concaves provide robust, yet gentle threshing ability in tough-threshing crops, like green stemmed-beans. Their half-width size makes them light and easy to change and install. Two-piece bundle options are offered for small grains and are most commonly paired with OEM concaves in positions 2 and 3.

Kondex is a registered trademark of Kondex Corporation.



CONCAVE THRESHING INSERTS

Made for round-bar concaves, these inserts enable flexibility to harvest additional crops by increasing threshing where inserts are installed.



CONCAVE COVER PLATES

Cover plates install on the bottom side of the concave, encourage even distribution of material in the cleaning shoe, and provide additional threshing for small grains.



HEAVY-DUTY SEPARATOR GRATE WITH INTERRUPTER BARS

A solution for high-yielding corn and tough, small grains and rice, the interrupter bars are excellent at breaking apart corn husk and matted straw and help reduce loss in the separator area.



SEPARATOR GRATE COVER

Separator grate covers are recommended for small grains to reduce chaff load and alter distribution of material to cleaning shoe.



SMALL WIRE CONCAVE INSERTS/INTERRUPTER BARS

Add threshing ability and help reduce white caps. Only for use with small-wire concaves and to be installed on the first concave section.

► CAB ENHANCEMENTS



FOOT RESTS

Improve comfort while harvesting with this simple upgrade.



TABLET MOUNT

Keep your data in plain sight and secure with an in-cab tablet mount.

SPECIFICATIONS S7 COMBINES

COMBINE MODEL	S7 600	S7 700	S7 800	S7 900
ENGINE SPECIFICATIONS				
Type	John Deere PowerTech™	John Deere PowerTech™	John Deere PowerTech™	John Deere PowerTech™
Displacement	9.0 L (549 cu in.)	9.0 L (549 cu in.)	13.6 L (830 cu in.)	13.6 L (830 cu in.)
Emission Level	Final Tier 4 / Tier 3 (Australia/New Zealand)	Final Tier 4 / Tier 3 (Australia / New Zealand)	Final Tier 4 / Tier 3 (Australia/New Zealand)	Final Tier 4 / Tier 3 (Australia/New Zealand)
Rated Engine Speed	2,200 rpm	2,200 rpm	2,000 rpm	2,000 rpm
Rated Engine Power	249 kW (334 hp)	300 kW (402 hp) / 278 kW (373 hp)	353 kW (473 hp)	405 kW (543 hp)
Power Boost @ Rated Speed	25 kW (34 hp)	25 kW (34 hp)	25 kW (34 hp)	37 kW (50 hp)
Max Engine Power Speed	2,000 rpm	2,000 rpm	1,800 rpm	1,800 rpm
Max Engine Power	285 kW (382 hp)	343 kW (460 hp) / 316 kW (425 hp)	402 kW (540 hp)	460 kW (617 hp)
Fuel Capacity	950 L (250 gal.)	950 L (250 gal.)	1,250 L (330 gal.)	1,250 L (330 gal.)
DEF Capacity	74.2 L (19.6 gal.)	74.2 L (19.6 gal.)	74.2 L (19.6 gal.)	74.2 L (19.6 gal.)
FEEDING				
Drive Type	Fixed or Variable	Fixed, Variable, or Multi-Speed	Fixed or Multi-Speed	Fixed or Multi-Speed
Conveyor Chain Slat Type	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Width	139.7 cm (55 in.)	139.7 cm (55 in.)	139.7 cm (55 in.)	139.7 cm (55 in.)
Length	172.5 cm (67.9 in.)	172.5 cm (67.9 in.)	172.5 cm (67.9 in.)	172.5 cm (67.9 in.)
Feed Accelerator, Stone Trap (FAST)	Standard	Standard	Standard	Standard
Reverser	Standard	Standard	Standard	Standard
THRESHING/SEPARATING				
Separator Type	Rotary	Rotary	Rotary	Rotary
Rotor Length	312 cm (123 in.)	312 cm (123 in.)	312 cm (123 in.)	312 cm (123 in.)
Rotor Diameter	76.2 cm (30 in.)	76.2 cm (30 in.)	76.2 cm (30 in.)	76.2 cm (30 in.)
Rotor Speed Range (High / Low)	400-1,000 / 210-530 rpm	400-1,000 / 210-530 rpm	400-1,000 / 210-530 rpm	400-1,000 / 210-530 rpm
Rotor Threshing Concave Area	1.1 m² (11.8 sq ft)	1.1 m² (11.8 sq ft)	1.1 m² (11.8 sq ft)	1.1 m² (11.8 sq ft)
Rotor Separation Grate Area	1.54 m² (16.6 sq ft)	1.54 m² (16.6 sq ft)	1.54 m² (16.6 sq ft)	1.54 m² (16.6 sq ft)
Discharge Separation Grate Area	0.36 m² (3.9 sq ft)	0.36 m² (3.9 sq ft)	0.45 m² (4.8 sq ft)	0.45 m² (4.8 sq ft)
CLEANING				
Front chaffer	0.5 m² (5.4 sq ft)	0.5 m² (5.4 sq ft)	0.5 m² (5.4 sq ft)	0.5 m² (5.4 sq ft)
Front Chaffer Extension (Code: 8496)	N/A	N/A	0.8 m² (8.6 sq ft)	0.8 m² (8.6 sq ft)
Chaffer	2.5 m² (26.9 sq ft)	2.5 m² (26.9 sq ft)	2.5 m² (26.9 sq ft)	2.5 m² (26.9 sq ft)
Sieve Area	2.1 m² (22.6 sq ft)	2.1 m² (22.6 sq ft)	2.1 m² (22.6 sq ft)	2.1 m² (22.6 sq ft)
Total Cleaning Area (louvered)	5.1 m² (54.9 sq ft)	5.1 m² (54.9 sq ft)	5.9 m² (63.5 sq ft)	5.9 m² (63.5 sq ft)
Cleaning Fan Speed	620-1,350 rpm	620-1,350 rpm	620-1,350 rpm	620-1,350 rpm
GRAIN HANDLING				
Grain Tank Size	10,600 L (300 bu)	10,600 L (300 bu)	14,100 L (400 bu)	14,100 L (400 bu)
Unloading Auger Length	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)	6.9, 7.9, or 8.7 m (22.5, 26, or 28.5 ft)
Peak Unloading Rate	127 L/s (3.6 bu/sec)	150 L/s (4.2 bu/sec)	150 L/s (4.2 bu/sec)	150 L/s (4.2 bu/sec)
BASE WEIGHT—LESS HEAD				
Front Axle	9,858 kg (21,737 lb)	10,366 kg (22,857 lb)	11,116 kg (24,511 lb)	11,116 kg (24,511 lb)
Rear Axle	9,646 kg (21,269 lb)	9,476 kg (20,895 lb)	11,170 kg (24,630 lb)	11,170 kg (24,630 lb)
Total Machine	19,504 kg (43,006 lb)	19,842 kg (43,752 lb)	22,286 kg (49,141 lb)	22,286 kg (49,141 lb)

	S7 600	S7 700	S7 800	S7 900
TRACKS				
36 inch John Deere Tracks (MI)		X	X	X
30 inch John Deere Tracks (MI)		X	X	X
FRONT TYRES				
520/85R42 157A8 R-1 Dual (FS/GY)	X	X		
520/85R42 162A8 R-2 Dual (FS/GY)	X	X	X	X
IF 520/85R42 CFO 169B R-1W Dual (GY)	X	X	X	X
VF 520/85R42 CFO 174A8 R-1W Dual (FS)	X	X	X	X
580/85R42 166A8 R-1W Dual (FS/GY/MT)	X	X	X	X
650/85R38 173A8 R-1W Dual (FS/GY/MT/MI)	X	X	X	X
800/65R32 172A8 R-1W (FS)	X			
800/70R38 173A8 R-1W (FS/GY)	X	X		
VF 800/70R38 CFO 193B R-1W (FS)	X	X	X	X
LSW 800/55R46 190D R-1W (GY)	X	X	X	X
IF 900/65R32 CFO 191A8 R-2 (GY)	X	X	X	X
VF 900/60R32 CFO 193B R-1W (FS)	X	X	X	X
LSW 1100/45R46 CFO 190A8 R-1W (GY)	X	X	X	X
IF 1250/50R32 CFO 188B R-1W (FS)	X	X	X	X
LSW 1250/35R46 CFO 195A8 R-2 (GY)	X	X	X	X
REAR TYRES				
600/70R28 161A8 R-1W (FS/GY/MT)	X	X		
620/75R26 166A8 R-1W (FS/GY)	X	X	X	X
VF 620/75R26 172A8 R-1W (FS)	X	X	X	X
VF 620/70R26 RIW 173A8 (MI)	X	X	X	X
LSW 710/60R30 177A8 R-1W (GY)	X	X	X	X
VF 710/65R26 177D R-2 (GY)	X	X	X	X
750/65R26 166A8 R-1W (FS/GY/MT)	X	X	X	X
VF 750/65R26 177B R-1W (FS)		X	X	X
VF 750/65R26 CFO+ RIW 180A8 (MI)	X	X	X	X

S7 Combines Tyres and Tracks

Whether you need to curb compaction, reduce rutting, or simply want greater traction when tackling muddy fields, John Deere offers you multiple flotation choices. You're sure to find a flotation system that will fit your operation and your budget.



Low Sidewall (LSW) Drive-and-Steer Tyres

You'll find some of the smoothest performance imaginable from our new LSW drive-and-steer tyres. They offer a similar benefit solution as a track machine in a tyre offering. That means you get superior traction and flotation when harvesting in soft, wet soil conditions. Also, they greatly reduce compaction and stubble damage to the tyre. If that's not all, the LSW tyres allow you to maintain transport speed without tyre hop.

A 580/85R42 RIW dual tyre option is available on a universal rim that can be dished in or out without axle spacers.



Supported by one of the most responsive dealer networks in the business

Nobody cares more about keeping your equipment in solid working order than your John Deere dealer. With a complete inventory of genuine John Deere parts, highly trained service technicians, and a thorough understanding of your business, your John Deere dealer knows how to keep you and your equipment up and running.

A strong name in equipment, and a strong dealership network: get it all with John Deere.



JOHN DEERE

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