

C770 SERIES COTTON HARVESTERS BROCHURE



JOHN DEERE



CP770 AND CS770 COTTON HARVESTERS

You plant it. You protect it. You sweat over it and fret over it. So when it comes time to harvest, make sure you're getting everything you can out of your cotton crop with the CP770 and CS770 Cotton Harvesters from John Deere. Redesigned from a clean sheet of paper, and with direct input from cotton growers across the country, the C770 Harvesters give you exactly what you asked for: a faster harvest, thanks to the high-speed picking units and 12-row stripper headers. Plus, the module building and handling system offers a significant reduction in wrap¹ and hauling costs¹, while the redesigned engine and power module offer higher transport speeds and a more fuel-efficient operation². And with Harvest Identification, Cotton Pro, you can take confidence in knowing every module is accounted for in detail once it leaves the field, giving you data you can share with partners, such as your ginner, seed sales rep, or agronomist.



CP770 COTTON PICKER

- 13.6 L, 555 hp engine
- Up to 20 mph transport speed
- 4.6 mph synchronized harvest speed
- 10% greater fuel efficiency*
- 8% reduction in wrap and hauling costs*

CS770 COTTON STRIPPER

- Available 8- and 12-row heads, including the SH12F Folding 12-Row Header
- 13.6 L, 515 hp engine
- Up to 20 mph transport speed
- 15% greater fuel efficiency**
- 12% reduction in wrap and hauling costs**



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¹Based on internal testing comparing C770 with C690. Individual results may vary.

²The CP770 uses 20% less fuel compared to a CP690. The CS770 uses 15% less fuel than the CS770. Based on internal testing. Individual results will vary based on operator and crop conditions.

Compared to the CP690 **Compared to the CS690

POWER *WITHOUT* COMPROMISE

When every minute matters, you need simple, reliable muscle that can get you through the heaviest yields with power to spare. So when we redesigned the C770 Series' engine and hydraulic module, we started with the proven JD14 John Deere 13.6L engine, tuned to deliver the horsepower you need when you need it, while also delivering lower overall fuel consumption¹, reduced noise levels, and higher transport speed.

But we know power isn't the only priority; there's not a second to waste on complicated, time-consuming maintenance procedures, either. That's why the C770 Series offers easier access to maintenance points, fewer unique engine components, simplified hydraulic routings, and extended service intervals.



¹The CP770 uses 20% less fuel compared to a CP690. The CS770 uses 15% less fuel than the CS770. Based on internal testing. Individual results will vary based on operator and crop conditions.



A. HIGHER TRANSPORT SPEED

Minutes matter when it comes to getting cotton out of the field. You and your operators will appreciate the increased transport speed...you can run from field to field at 20 mph, up from 17 mph over previous models.

B. INCREASED FUEL EFFICIENCY

Improved fuel efficiency lets you harvest more with every gallon. The CP770 uses 20% less fuel¹ than its predecessor, while the CS770 uses 15% less fuel than the previous stripper.

C. NEW – SOLUTION SYSTEM

Ever wish you had more pressure from your solution system? You can stop wishing with our new solution pump and spring-loaded solution column. This system will give you a more even solution distribution and allows you to flush in crop to keep spindles clean during long runs.

D. REDUCED NOISE

With the engine working at an easy 1,900 RPM, you'll notice reduced noise in the cab...3 dBA less² in the CP770, 5 dBA less³ in the CS770.

¹ Based on internal John Deere testing comparing C770 with older models. Individual results may vary.

² Compared to CP690.

³ Compared to CS690.



BUILT FOR ALL-DAY COMFORT.

When you're spending hours each day in the cab, comfort and convenience aren't luxuries... they're necessities. So to help keep you fresh and frosty, we equipped the C770 Series cab with a complete range of standard and available features, all designed to keep you going strong during even the longest days.

Our redesigned standard cab offers a full 30% more space than previous models, and features familiar automotive styling, active noise-cancelling materials, heat-to-feet HVAC ducts, a display that swivels with the seat, and plenty of USB ports for your phone, tablet, and other rechargeable devices. Want a ride that's even more plush? Choose any of our Comfort & Convenience packages, and you'll get C-suite features that make the tough days easier.

COMFORT & CONVENIENCE PACKAGES

	PREMIUM	ULTIMATE
Seat	Vision Cloth Electronic Controls Pneumatic Lumbar Mechanical Air Suspension 16° LH/16° RH Swivel Manual Adjust CA	Vision Leather Electronic Controls Pneumatic Lumbar 16° LH/16° RH Swivel Heated Ventilated Active Fatigue Prevention Adjustable Bolsters
Infotainment	6.5" Touchscreen App Radio / 2 speakers and 1 subwoofer	
StarFire™ Receiver	StarFire 7500 Integrated Receiver	
Business Band Ready	●	●
4 USB & 12V	●	●
Dual Tilt Column	●	●
Foot Rests	●	●
Refrigerator	●	●
Door Cinching		●
Carpeted Floor Mat		●
Leather Wrapped Steering Wheel		●
Active Seat II (e-Active Seat)		●

**C770 SERIES COTTON
HARVESTERS /
CAB COMFORT &
CONVENIENCE**

**A. ACTIVESEAT™ II
SUSPENSION**

ActiveSeat II Suspension reduces vertical seat motion by up to 90%¹, as compared to an air-suspended seat. Standard with Ultimate Cab Package.

B. TOUCHSCREEN RADIO

Available in our Premium and Ultimate Cab Packages, the SiriusXM-ready 6.5-inch touchscreen radio lets you connect your smartphone and listen to your favorite music, podcasts, or audiobooks. Two speakers plus a subwoofer give you the ultimate in-cab audio experience.

C. FOOT RESTS

Take a load off and get comfortable with our foot rests, available in the Premium and Ultimate Cab Packages.

D. REFRIGERATOR

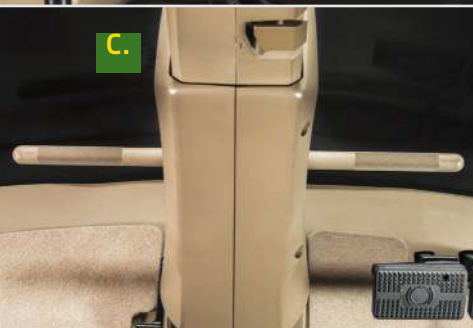
Order our Premium or Ultimate Cab Package, and you'll get a roomy fridge, perfect for keeping lunch and drinks cold.



A.



B.



C.



D.

¹Compared to standard air suspension seats.

COTTON'S MOST ADVANCED TECHNOLOGY

When you harvest with the C770 Series, you're taking the most advanced, most complete portfolio of in-base technology to the field with you. Your guidance, mapping, data-sharing, and remote-diagnostic capabilities start with the integrated G5^{Plus} CommandCenter™ Display; from there, our suite of standard technology products and applications can help you, your consultants, and your ginners make informed decisions that maximize productivity and profitability.

New – Recurring Flush

Focus more on your end row turns and less on flushing. With Recurring Flush, simply set your desired flush interval – and flush duration – and the system will automatically flush according to your settings. That's one less task to worry about.

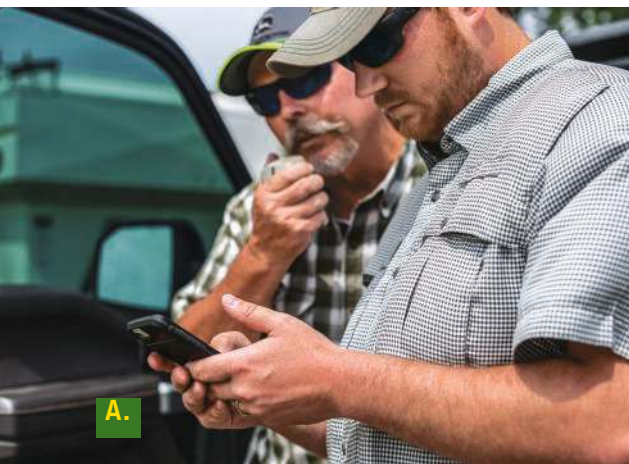
New – Handler Auto Raise

Handler Auto Raise is a software update that automatically raises the module handler after a module has dropped. That's one less manual task you need to worry about at the end of the row. It also reduces the risk of leaving the handler lowered, which can cause damage and downtime.

New – Accumulator Logic

Wish you could maintain ground speeds in higher-yielding crops? Now you can with this software update. It predicts when your accumulator is full or empty by using mass flow data and your existing sensors. It also minimizes the need to slow down during wrap eject cycle time.





A. JDLINK™ CONNECTIVITY

The C770 Series harvesters come standard with a JDLink modem and JDLink connectivity service. JDLink enables easy, reliable communication between your machines and you, your operators, and your dealer, and allows data streaming to the John Deere Operations Center™. JDLink Connectivity allows you to analyze machine progress and performance, transfer production data to and from the machines, plus use Machine Alerts and Service ADVISOR™ Remote to pre-empt or diagnose service issues.

B. JOHN DEERE OPERATIONS CENTER™

Access field, crop, and machine information anytime, anywhere, on your desktop computer or mobile device through John Deere Operations Center. Operations Center enables you to manage your operation more efficiently, do a better job on every pass, reduce costs, and improve profitability.



C. ROWSENSE™ AND AUTOTRAC™ ROWSENSE

Stay on the right track with RowSense and AutoTrac Guidance, both standard from the factory. RowSense uses picking-units-mounted mechanical sensors to give you non-GPS guidance through standing crop. When RowSense is engaged, AutoTrac provides secondary GPS guidance to help steer the machine through any gaps in the row. Together, they give you the highest level of guidance accuracy available.

**ActiveYield™**

The quality of your yield data hinges on the frequency of yield calibrations. ActiveYield automatically reconciles the estimated yield based on the weight reported by the handler's round module weighing system. That reduces time spent manually calibrating and increases your uptime in the field.

D. HARVEST IDENTIFICATION, COTTON PRO

Capture, store, analyze, and share harvest information down to the module with Harvest Identification, Cotton Pro. This powerful package lets you track 27 individual data points, including moisture and weight, for each module, then merge that information with Field Analyzer to help visualize trends. You can share that information with your gin to help prioritize module movement, allowing them to gin the right cotton, at the right moisture, at the right time. HID Cotton Pro allows traceability from the field, to the gin, to the end use.



E. DOCUMENTATION AND FIELD ANALYZER

Field Analyzer now makes it even easier to make informed decisions using your yield data. With new factory-installed Row by Row Documentation, your harvester will automatically record row-by-row yield data you can review in real time, allowing you to adjust units and improve your harvest performance. You can also track your yields from field to field, then generate and share detailed yield maps with your consultants, seed reps, scouts, or other advisors through John Deere Operations Center.

COTTON HARVEST: YIELD (WEIGHT)	
View in Analyze	
☒ Show HID Cotton (26 Modules)	
Start	Oct 8, 2020 1:16 PM
End	Oct 8, 2020 5:30 PM
WORK TOTALS	
Area Harvested	49.1 ac
Yield	1,452.4 lb/ac
Total Yield	71,294 lb
Gin Turnout	37 %
Seed Cotton	3,925.3 lb/ac
Total Seed Cotton	192,685 lb

MORE OF EVERYTHING

INTEGRATED G5^{PLUS} COMMANDCENTER™ DISPLAY AND STARFIRE RECEIVER INCLUDED

Our G5^{Plus} CommandCenter display can help you see more, know more, and do more. Offering clear, 1080p HD resolution on a 12.8-inch touchscreen, this display is 35% bigger than the previous Gen 4 display. Jam-packed with precision ag technology, the G5^{Plus} CommandCenter offers AutoTrac, Documentation, HID, Cotton Pro, Data Sync, over-the-air updates, and Remote Display Access all in base.

The New Next-Gen Primary Display is larger than previous models. It also gives you higher resolution and larger graphics to keep you in sync with harvest.

And if you want to get the most productivity and efficiency from your harvester, there's the G5 Advanced Cotton Harvest Package. It gives you access to some of our most advanced and popular automation technologies, like AutoPath™, which eliminates that dreaded Row of Shame.





REDUCE WRAP AND HAULING COSTS BY UP TO 12%*

You needed it, you asked for it, and the C770 Series delivers... a more cost-effective harvest, with a lower per-pound wrap cost and more efficient module hauling. How'd we do it? By going back to the drawing board and redesigning the round module builder and the wrap and handling systems.

Both the CP770 and the CS770 now pack more cotton into each module, reducing the overall cost of wrap while making for more efficient hauling. The wrap system improves overall feeding and stretching, while the redesigned module-handling system slashes the wrap-eject cycle times by one-third¹.

* Compared to CP690 and CS690.

¹ Based on internal study comparing C770 with C690. Individual results may vary.



A. DENSER MODULES = LESS WRAP PER POUND

Both the CP770 and CS770 can make modules up to 96 inches in diameter, allowing you to pack in more seed cotton per module while reducing total wrap costs. Picker customers, the CP770 returns a solid 8%² savings in wrap and hauling costs per lint pound; stripper growers, the CS770 gives you a 12%² reduction per lint pound in wrap and hauling.

B. REDUCED MODULE WRAP TIME

Our next-generation module handling system cuts the module wrap-eject cycle time by 33%², from 48 seconds to 32 seconds, allowing you to stay at harvest speeds longer, and making every harvest day more productive.

C. SMOOTHER, EASIER WRAP FEEDING

The positive-drive wrap handling system gives you easier reloading and more consistent wrap feeding, module after module.



² Based on internal study comparing C770 with C690. Individual results may vary.

HARVEST MORE ACRES PER DAY

Picker- and stripper-cotton producers alike have something to celebrate with the C770 Series. We've redesigned the picking units and introduced wider stripper headers, so no matter what type of cotton you produce, you'll get it out of the field faster, with less chance of quality loss from weather.

Picker producers, the MP16 Picking Units give you smoother, more gentle crop engagement and reduced boll loss. Stripper-cotton producers... if you'd like to harvest more acres per day, we have your answer: the 12-row stripper headers. The SH12F Folding Stripper Header was designed with major productivity and transportability into an easy-folding header. The 12-row rigid header features a redesigned header attachment system for quicker, easier hookup.



PICKER HEADERS

AUTO-GREASING SYSTEM

Here's one less thing to worry about. By automatically lubricating bars, spindle, and gears, you can improve durability and reliability.

INTEGRATED DRIVETRAIN ALIGNMENT

Using two machined cam track castings, a new, redesigned drivetrain increases component reliability. Servicing is easy with removable black covers.

IMPROVED CROP FLOW

With wider cabinets⁴, the new MP16 picking units allow for better crop flow to the air ducts. This increases throughput and reduces plugs, all without increasing unit weight or fan power.

HYDRAULIC PRESSURE DOORS

This dealer installed kit allows you to hydraulically adjust pressure on air doors – right from the cab. When ground speed reaches 0 the pressure doors release themselves to help clear plugs. It also allows for more incremental adjustments, all of which helps save you time.

³ Compared to CP770 with PRO16

⁴ MP16's 1.375-inch (3.492-centimeters) space behind air door compared to PRO16's .75-inch (1.905-centimeters).

STRIPPER HEADERS

A. 12-ROW FOLDING HEADER.

The SH12F Folding Stripper Header gives you 12 rows of harvesting muscle. Attached to the CS770, the SH12F can cover 48%¹ more acres per hour than an 8-row header on our previous stripper model...that's up to 100 more acres¹ in a typical 10-hour day. Plus, the SH12F folds in under two minutes, and can be transported without removing it from the stripper.

B. THREE AVAILABLE HEADERS.

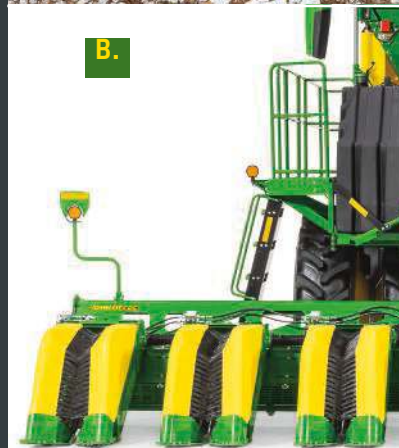
The SH12F joins our SH8R 8-row and SH12R 12-row rigid headers to create a complete lineup of stripper headers. The SH8R can accommodate 36-, 38-, and 40-inch rows; the SH12R can handle 30-, 32-, and 36-inch rows, while the SH12F takes on 38- and 40-inch rows.

C. IMPROVED HEADER HOOKUP.

For those times when you do need to attach and detach the header, we've reduced the time required by 50%², to an easy-to-handle 15 minutes².

¹ Based on internal John Deere testing comparing SH12F with 608SH in dryland cotton. Individual results will vary based on operator and crop conditions.

² Compared to 606SH and 608SH models.



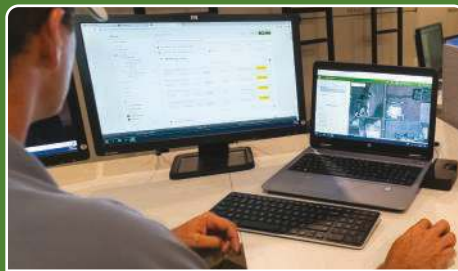
THE CONNECTED SUPPORT YOU NEED

When you're running, you don't want anything to slow you down. Your cotton harvester comes with a JDLink™ connection.¹ Once activated, your John Deere dealer can offer John Deere Connected Support services. With your permission, your dealer can "dial in" to your cotton harvester's diagnostic data and assess trouble codes to help you avoid downtime. Key components include:



SERVICE ADVISOR™ REMOTE

Allows your dealer to remotely analyze Diagnostic Trouble Codes in near real time so technicians arrive on-site with the right parts and the right tools to quickly repair your cotton harvester.



EXPERT ALERTS

An industry exclusive, Expert Alerts is a proactive monitoring system that notifies dealers of potential issues. This allows technicians to remotely diagnose issues (often before an operator/machine experiences any symptoms) and fix them before they become a problem.



REMOTE DISPLAY ACCESS

Lets your dealer remotely and quickly assist you with in-cab display setup and adjustments for optimal cotton harvester performance – eliminating the need for an onsite service call.

¹ Some additional accessories and/or components may be required. JDLink requires a cellular connection to transfer information from machine to John Deere Operations Center™ website. See your John Deere Dealer for coverage availability.



POWERGARD™ PROTECTION PLAN

Protect your investment. The John Deere PowerGard Protection Plan² lets you purchase extended comprehensive coverage or powertrain warranty coverage for up to an additional three years or 3,000 hours over the normal warranty period. You get flexible coverage, low deductibles and peace of mind.

² PowerGard Protection Plan extended warranty covers failures due to defective materials or original workmanship of covered components. Customers have a choice between either the Limited (engine & powertrain) coverage form or the Comprehensive (full-machine) coverage form. See your dealer or JohnDeere.com/PowerGard for details.

CP770

Engine	John Deere JD14 - 13.6L
Horsepower	414 kW 555 hp
Power Boost	25 kW 34 hp
Displacement	13.6 L 830 cu in.
Cylinders	6
Turbocharged/Aftercooled	Yes
Alternator	Single 330-amp alternator
Cooling System	
Variable Pitch Reversible Fan	Yes
Ground Level Access to Coolers	Yes
Fuel System	
Type	High-Pressure Common Rail
Governor	Electronic
On Board Diagnostics	Yes
Transmission	
	ProDrive™ automatic-shift (AST)
Gears	Two range
Sync mode 1 (4WD)	0-7.4 km/h 0-4.6 mph
Scrapping mode 2 (4WD)	0-9.0 km/h 0-5.5 mph
Field Transport mode 3 (4WD)	0-14.5 km/h 0-9 mph
Road Transport mode 4 (4WD)	0-32.2 km/h 0-20 mph
Brakes	
Type	Multi-disk, wet
Tires: (Two available packages)	
Standard Drive Tire (Dual)	520/85R42 (20.8R42) R1W
Standard Steering Tire	IF580/80R34 (R1W)
Optional Drive Tire (Dual)	VF520/85R42 (20.8R42) R2
Rear Wheel Drive	Yes (full time)

On-Board Module Builder	
Module Shape	Round/Cylindrical
Module Dimensions	Diameter up to 244 cm 96 in. Width up to 239 cm 94 in.
Module Weight	2,222-2,676 kg 4,900-5,900 lb
Unload on-the-go	Yes
Wrap system carrying capacity	120 portions
Picking Units	
Number of Rows	6
Spacings	76.2, 91.4, 96.5, 101.6 cm 30, 36, 38, 40 in.
Picking Units	
Style	In-line spindle-type picking units
Units Available	MP16
Drums	2
Bars Front and Rear	16 front drum, 12 rear drum
Spindles per Bar	20 (MP16)
Doffer Pads	Urethane
Moistener Pads	20
Unit Drive Protection	Slip clutch
Tank Capacities	
Fuel Tank	1,250 L 330 gal.
DEF Tank	104.4 L 27.5 gal.
Moistener System	1,363 L 360 gal.
Quick Fill	Yes
Hydraulic System	
Pump Type	Pressure/ flow compensated
Lengths	
Overall Length	10.2 m 33.4 ft
Wheel Base	4.3 m 14.2 ft
Heights	
Transport Mode	4.5m 14.75 ft
Harvest Mode	5.2 m 17.2 ft
Weights	
6-Row	31,257 kg 68,900 lb

CS770

Engine		John Deere JD14 - 13.6L
Horsepower		384 kW 515 hp
Power Boost		409 kW 33 hp
Displacement		13.6 L 830 cu in.
Cylinders		6
Turbocharged/Aftercooled		Yes
Alternator		Single 330-amp alternator
Cooling System		
Variable Pitch Reversible Fan		Yes
Ground Level Access to Coolers		Yes
Fuel System		
Type		High-Pressure Common Rail
Governor		Electronic
On Board Diagnostics		Yes
Transmission		ProDrive™ automatic-shift (AST)
Gears		Two range
Field mode 1 (4WD)		0-8.1 km/h 0-5 mph
Field mode 2 (4WD)		0-14.5 km/h 0-9 mph
Field Transport mode 3 (4WD)		0-14.5 km/h 0-9 mph
Road Transport mode 4 (4WD)		0-32.2 km/h 0-20 mph
Brakes		
Type		Multi-disk, wet
Tires		
Standard Drive Tire		520/85R42 (20.8R42) R1W
Standard Steering Tire		IF580/80R34 R1W

On-Board Module Builder		
Module Shape		Round/Cylindrical
Module Dimensions		Diameter up to 244 cm 96 in. Width up to 239 cm 94 in.
Module Weight		1,995.8-2,449.4 kg 4,400-5,400 lb
Unload on-the-go		Yes
Wrap system carrying capacity		120 portions
Picking Units		
Number of Rows		8 or 12
Spacings		76.2, 81.3, 91.4, 96.5, 101.6 cm 30, 32, 36, 38, 40 in.
Stripping Units		
Style		Bat/brush stripping units
Unit drive protection		Slip clutch – one per unit
Tank Capacities		
Fuel Tank		1,022 L 270 gal.
DEF Tank		104.4 L 27.5 gal.
Water Solution Tank		257 L 68 gal.
Heights		
Transport Mode		4.5m 14.75 ft
Harvest Mode		5.2m 17.2 ft
Weights		
Less Header		27,300 kg 60,200 lb
SH8R - 8-row rigid (8-row 40")		30,481 kg 67,200 lb
SH12R - 12-row rigid (12-row 30")		31,797 kg 70,100 lb
SH12F - 12-row folding (12-row 40")		32,477 kg 71,600 lb

Visit JohnDeere.com for complete specifications





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