

8 SERIES TRACTORS

440-540 Engine Horsepower



JOHN DEERE



ENDLESS POSSIBILITIES

The legacy of the 8 Series lives on — now larger, smarter, stronger, and faster than ever. Get more done with up to 540 rated horsepower (634 max horsepower). Extra muscle effortlessly pulls heavier, wider implements while maintaining speed, so you can stay ahead of the clock during tight windows and plant up to 1,200 acres (485.6 hectares) each day.¹

Whether you're planting, tilling, or transporting, you can confidently navigate challenging conditions, haul heavy loads, and save time. The high-horsepower 8R & 8RX are ready for you, no matter the application or the situation.

The advanced JD14 (13.6L) engine backs performance with intelligent power, allowing for optimal planting speeds. Toggle between operating modes so you can maximize productivity and boost fuel efficiency. Peak Power Intelligent Power Management (IPM) keeps your tractor moving at your target speed by unlocking up to an additional 40 HP at the top of the power curve. That means more consistent performance across slopes and soil types, faster fieldwork, and allowing you to hit your optimal planting window. It's not just more horsepower—it's smarter, responsive power that adapts to your toughest moments in the field.

Step into the redesigned cab, featuring updates to our CommandARM™, additional seat features, and new transmission control offerings. Enjoy enhanced visibility and a smooth, quiet ride with the latest precision technologies at your fingertips, including the G5^{Plus} Display, Autonomy Ready, Machine Sync, and JDLink™ Boost.

¹Planting 1,200 acres each day is based on internal testing of an 8R 490 with Peak Power IPM pulling a DB90 at 12.5 mph (20.12 km/h) over 12.3 hours with 80% efficiency.





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SMART POWER STARTS HERE

Haul faster, ride smarter. Powered by a JD14 (13.6L) engine, you can harness the power and precision to give you an agronomic advantage when the going gets tough.

Choose from three operating modes on a fixed-frame tractor, so you're set for whatever the day throws your way. Eco prioritizes fuel efficiency and operator comfort. Standard balances power with efficiency and comfort. Max offers the quickest response times in dynamic load-changing conditions.

The Electric Variable Transmission (EVT) merges the efficiency of electric power with the adaptability of an Infinitely Variable Transmission, delivering exceptional performance. This transmission, when paired with the 60 kph (37 mph) option, gets you to your destination swiftly. The power offboarding options offboard power directly to implements, creating a seamless production system that keeps your heavy equipment running smoothly.

With a powerful 700V (100 kW) output for tools like tankers or potato harvesters and a 56V (15 kW) supply for John Deere planters, the EVT ensures dependable electrical power exactly when you need it. Its intelligent design features larger, smarter internal components to manage increased torque.

Simplifying connections and boosting efficiency compared to traditional hydraulic systems, the EVT allows you to quickly get back to work each season. This technology is designed to maximize productivity by simplifying the process and complexity of connecting to a planter.

Models include 440, 490, and 540 engine horsepower. Find out more at JohnDeere.com or JohnDeere.ca.



INTELLIGENT POWER MANAGEMENT (IPM)

Intelligent Power Management (IPM) gives you more power when you need it – automatically. No buttons to push, and no guesswork. It's smart, efficient, and built to keep your operation moving faster and smoother.

Adapt to changing field conditions while maintaining optimal speed while under heavy hydraulic or electrical offboarding loads. The innovative system can unlock an additional 40 horsepower beyond the rated engine and maximum engine output as needed, ensuring you have the extra power needed for demanding tasks.

Peak Power IPM is the ultimate power booster for your most demanding field conditions. It gives you an additional 40 horsepower on top of the traditional max engine power. The result? A game – changing boost when your tractor faces changing conditions - unlocking power that was never available before.

When hydraulic demands surge or you are accelerating up to speed on the road, Peak Power IPM keeps your tractor moving at your target speed by unlocking an additional 40 HP at the top of the power curve. That means more consistent performance across slopes and soil types, faster fieldwork, and allowing you to hit your optimal planting window.

It's not just more horsepower – it's smarter, responsive power that adapts to your toughest moments in the field.



TAKE A HIGH-HORSEPOWER 8R WALK-THROUGH

Displays

- G5^{Plus} Display: 12.8 in. (32.5 cm) touchscreen with rapid processing speeds.

Transmission Controls

- A new suite of transmission control handles designed to meet every operator's needs - offering increasing functionality and customization as you move through the lineup - so you can run the tractor the way you want.

- CommandX™
- CommandX™ Plus
- CommandX™ Pro

Command Each Turn

- Enhanced turn radius capabilities.
- Increased steering performance with larger steering cylinders along with the return to center feature that comes with Reactive Command Steering (RCS).
- Rugged & Durable ILS system built to handle increased power and weight.

Ballast for Performance

- Ballast the tractor up to 52,910 lb (24,000 kg).
- 1,500 lb (680.4 kg) stackable front weights can easily be put on or taken off with a forklift to optimize the tractor's weight split for maximum productivity and performance.

JD14 Engine

- JD14 Engine (13.6L).
- Peak Power IPM provides up to 40 HP extra, at the max engine power RPM, unlocking previously unavailable power.
- Available with engine brake to help slow down large loads while on the road or in the fields.





Operator Experience & Convenience

- Optional Door Cinch: Seal perfectly with a gentle close of the cab.
- Seat: Customized comfort for a smooth ride.
- Adjustable Cab Suspension: Tailored settings to meet every operator's needs.
- Push-Button Start: Effortless start-up and personalized PIN access upon customer setup.
- Convenience Display: Easy access to radio controls, HVAC controls, locks, seat, and CommandARM™ adjustments along with phone functions.

Rear Implement Connections

- The 56V power off-boarding option allows you to effortlessly hook up your John Deere planter to this tractor.

Rear Hitch & Drawbar

- Now available with a 24,000 lb (10,886.2 kg) lift capacity you can work with larger and heavier implements.
- Hitch downforce now available to help maintain a consistent depth with integral planters and many other implements.
- The CAT V drawbar has a vertical load capacity of 19,000 lb (8,618.3 kg) creating exceptional reliability even while pulling large implements.

Wheels & Tires

- Group 49 & 50 Tires for maximum traction and footprint in the field.
- 140 mm diameter axle for greater torque transfer.

Electric Variable Transmission (EVT)

- All 8R 440/490/540 models come standard with an EVT transmission.
- Accelerate quickly and smoothly even with large loads behind the tractor.

TAKE A HIGH-HORSEPOWER 8RX WALK-THROUGH

Displays

- G5^{Plus} Display: 12.8 in. (32.5 cm) touchscreen with rapid processing speeds.

Rear Implement Connections

- The 56V power off-boarding option allows you to effortlessly hook up your John Deere planter to this tractor.

Steering Improvements

- Increased steering performance with the return to center feature and 3 selectable steering modes that come with Reactive Command Steering (RCS).

Electric Variable Transmission (EVT)

- All 8RX 440/490/540 models come standard with an EVT transmission.
- Accelerate quickly and smoothly even with large loads behind the tractor.

Ballast for Performance

- Ballast the tractor up to 50,706 lb (23,000 kg).
- 1,500 lb (680.4 kg) stackable front weights can easily be put on or taken off with a forklift to optimize the tractor's weight split for maximum productivity and performance.

JD14 Engine

- JD14 Engine (13.6L).
- Peak Power IPM provides up to 40 HP extra, at the max engine power RPM, unlocking previously unavailable power.
- Available with engine brake to help slow down large loads while on the road or in the fields.





Operator Experience & Convenience

- Optional Door Cinch: Seal perfectly with a gentle close of the cab.
- Seat: Customized comfort for a smooth ride.
- Push-Button Start: Effortlessly start-up and optional personalized PIN access upon customer setup.
- CommandView™ 4 Plus Cab offers increased right-hand visibility and 15% more floor space.¹
- Convenience Display: Easy access to radio controls, HVAC controls, locks, seat, and CommandARM™ adjustments along with phone functions.

ExactRate™ Tanks

- Spend less time refilling with a 1,000 gallon (3,785.4 L) tank (500 per tank) capacity and front-fill option.

Rear Hitch & Drawbar

- Now available with a 24,000 lb (10,886.2 kg) lift capacity you can work with larger and heavier implements.
- Hitch downforce now available to help maintain a consistent depth with integral planters and many other implements.
- The CAT V drawbar has a vertical load capacity of 19,000 lb (8,618.3 kg) creating exceptional reliability even while pulling large implements.

Transmission Controls

- A new suite of transmission control handles designed to meet every operator's needs - offering increasing functionality and customization as you move through the lineup - so you can run the tractor the way you want.
 - CommandX™
 - CommandX™ Plus
 - CommandX™ Pro

Belts, Track Widths & Spacing

- **Track widths:** 21 in. (53.3 cm), 24 in. (61.0 cm), 30 in. (76.2 cm) (rear only).
- **Spacing options:** 80 in. (203.2 cm), 88 in. (223.5 cm), 120 in. (304.8 cm) Factory; 132 in. (335.3 cm), 136 in. (345.4 cm), 144 in. (365.8 cm) Aftermarket.

¹ Compared to a Model Year 2026 8RX 410.

Comfort & Convenience Packages (8R / 8RX 440-540)

FEATURE	PREMIUM	ULTIMATE
Seat Options	• Vision Cloth • Electronic Controls • Pneumatic Lumbar • 24 degrees LH / 40 degrees RH swivel • Screen interface for seat adjust • Full width cushion length adjust • Choose from three adjustable memory settings	<i>Ultimate Seat includes all the features of the Premium, with these additional features:</i> • Vision Leather • Heated / Ventilated • Massage • Adjustable Bolsters • Seatback vent (HVAC Blower)
CommandARM™ Adjust	Electric	Electric
Infotainment	• 8 in. (20 cm) Touchscreen Radio • 6 Speakers with Subwoofer	• 8 in. (20 cm) Touchscreen Radio • 6 Speakers with Subwoofer
Refrigerator	●	●
Foot Rests	●	●
Cell Phone Mount & Wireless Charger	●	●
RH Accessory Rail, 120V Outlet	●	●
Door Cinch		●
Carpeted Floor Mat		●
Leather-Wrapped Steering Wheel		●



A RIDE WITH A VIEW

Ride with confidence, control, and comfort. With enhanced visibility, adjustable cab suspension, a self-sealing door cinch, improved in-cab technologies, and an adjustable seat, your days are about to get more enjoyable – and more efficient.

The redesigned CommandARM™ Console gives you controls at your fingertips, making it easier for occasional operators or professionals. A wide variety of advanced technologies are available (see pages 12-13).

Standard on the 8RX, CommandView™ 4 Plus Cab offers increased right-hand visibility and 15% more floor space.¹ By removing the back right fender, you will be able to see more off your right side, and also turn in your seat more with the additional floor space.¹ Enjoy a better view, with extra room for your toolbox or lunchbox.

¹ Compared to a Model Year 2026 8RX 410.

Pre-production model shown. Specifications and design subject to change.



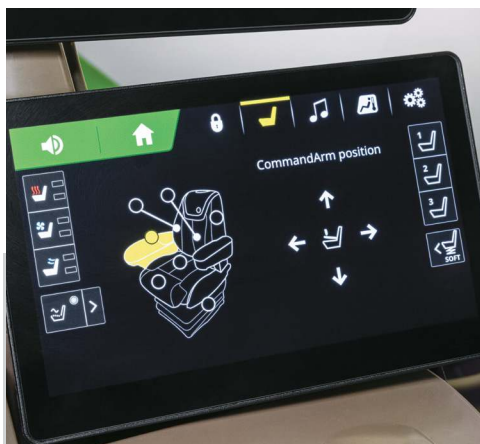




COMMAND MORE COMFORT & CONTROL

Ride with confidence and control. The redesigned CommandARM™ console gives you advanced technologies at your fingertips and fuel-saving customized operating modes.

Added features like a convenience display, a new drive strategy featuring updates to our transmission controls, engine/throttle controls, and quick-access buttons allow you to sit back and enjoy your ride knowing that everything is running smoothly. As you move up the lineup, the drive strategy adds increasing levels of customization and drive-preference options (CommandX™, CommandX™ Plus, CommandX™ Pro) — allowing you to choose the level of drive experience that best fits your needs.



Convenience Display

Immersive convenience experience, including radio controls, HVAC, seat adjustments, and tractor control locks.



Integrated Wireless Charging Phone Holder

Keep all your communications running in one easy-to-reach place.



Push-Button Start

Control who starts your tractor with a personalized PIN. Get up and go when you press the green button.

G5^{PLUS} COMMANDCENTER™ DISPLAY

Bigger. Faster. Clearer.

Ready to see more? Know more? DO more?

The G5^{Plus} CommandCenter™ Display gives you a bigger picture of your 8 Series Tractor's performance and work in the field.

- 12.8 in. (32.5-cm) touchscreen – 35% larger to make on-the-go in-field adjustments easier¹
- 3x faster processor allows for quicker boot times¹
- High resolution 1080p screen for brighter, clearer views
- 2 digital and 4 analog video camera inputs
- Essential to be ready for future autonomous and sense-and-act technology

The G5^{Plus} CommandCenter comes with a permanent AutoTrac™ and Section Control license. And a permanent AutoTrac RowSense™ license is also available. And for even more automation productivity there's also an optional G5 Advanced Package that bundles our most popular precision tools. More than a display, this is your path to the future of precision technology. Experience the benefits of the larger, faster, and clearer display.

JOHN DEERE OPERATIONS CENTER™

Unlock the full power of your farm data.

Imagine, managing your farm operations anytime, anywhere. You can with John Deere Operations Center™. It's a free², online farm management system that enables 24/7 access to farm information through web, tablet, or mobile phone. Operations Center empowers you to manage your operation more efficiently, do a better job on every pass, reduce costs, and improve profitability.

With Operations Center, you can seamlessly connect data from your fields, your machines, and your operators and advisors. It puts at your fingertips all the information you need to maximize critical farm operations, from tillage, planting, and seeding to applying and harvesting.

- Setup and manage your critical farm operations
- Plan work to reduce errors and gain efficiencies
- Monitor job quality and productivity in near-real time
- Analyze this season's results to improve next season's crops

¹ Compared with previous Generation 4 displays

² JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.



Pre-production model shown. Specifications and design subject to change.



G5 ADVANCED PACKAGE

More automation means more productivity and less stress. That's what you get with the G5 Advanced Package, which bundles five of our most advanced guidance and automation technologies into a single renewable 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™

Save time and make your job easier in complex fields by eliminating guesswork when deciding which guidance line to use.

AutoTrac™ Turn Automation

AutoTrac Turn Automation gives you hands-off and stress-free confidence from one pass to the next. Consistently enter each pass to reduce untilled gaps and rework. Precise implement placement keeps spacing accurate, even on side hills or around curves.

AutoTrac™ Implement Guidance

Precise implement placement cuts out wide-narrow guess rows and keeps spacing accurate.

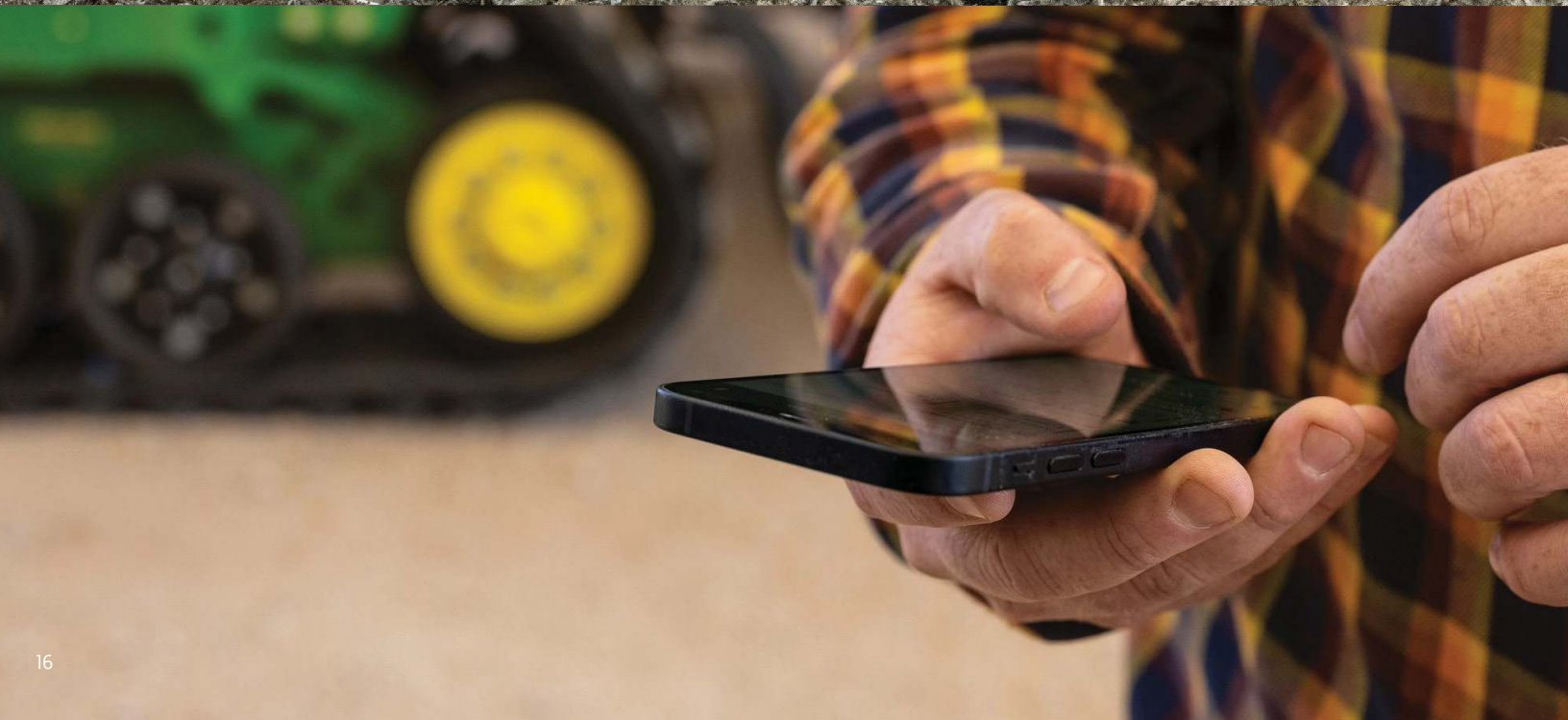
Machine Sync

On-the-go, stress-free unloading in every condition. Work faster, even with less experienced grain cart 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.







BRING YOUR FARM TO THE FUTURE — TODAY.

Autonomy is a strong step forward toward adapting to the evolving farming industry, supporting growth for generations to come.

By allowing the tractor to do the work on its own, you can shave precious minutes off tight windows, beat the weather, and take advantage of favorable soil conditions when the time's right. Take back control of your schedule, so you can focus on optimizing your resources and redirect time and labor towards more critical and high-value tasks.

Compatible Tillage Equipment

CC Series Coulter Chisels

2660VT Vertical Tillage

HSD Series High-Speed Disks

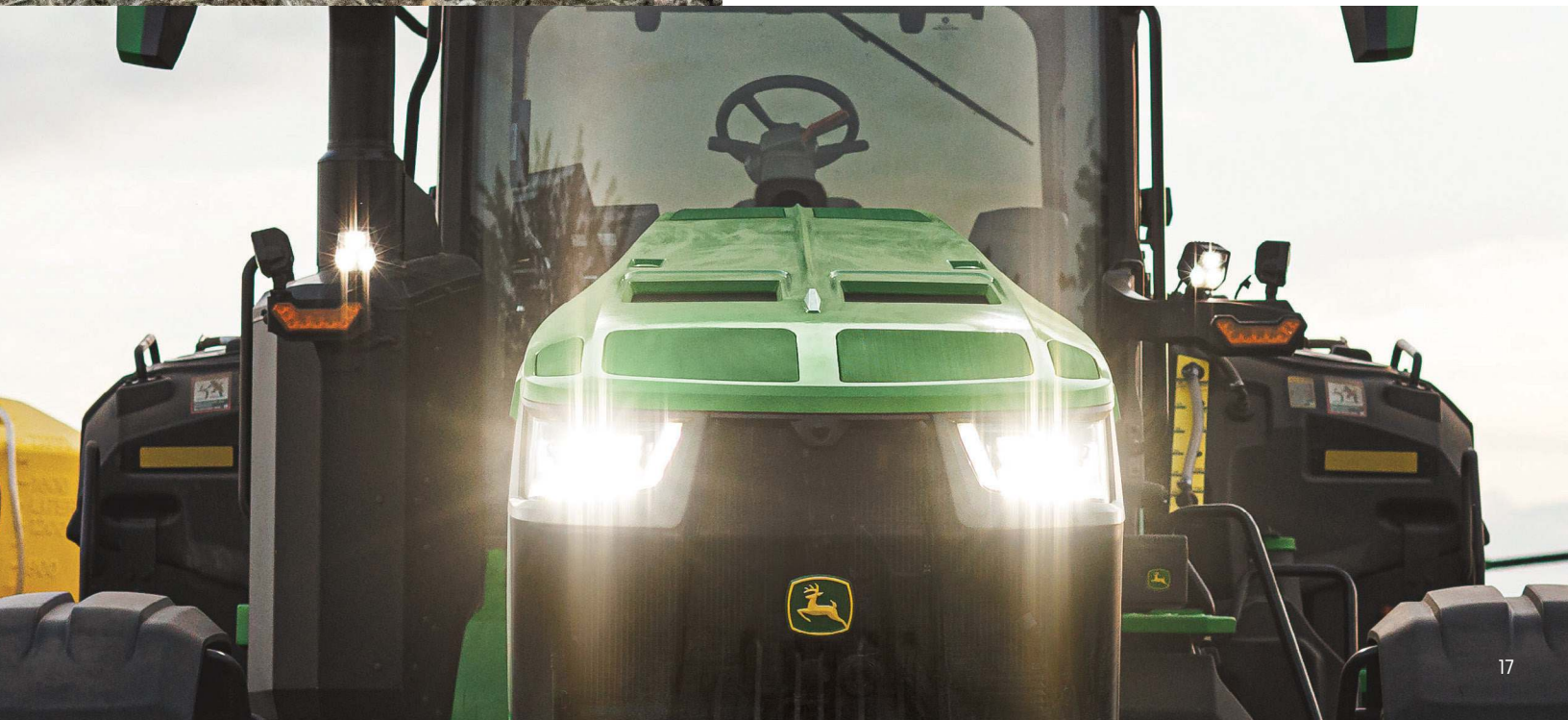
2430 Chisel Plow

2730 Combination Ripper

2230LL Level-Lift™ Field Cultivator

2230FH Floating Hitch Field Cultivator

Pre-production model shown. Specifications and design subject to change.







TIGHT TURNS. TAILORED STEERING.

No longer do you have to choose between power and maneuverability. We drew a line in the dirt around maintaining a tight turning radius. The rigid, but narrow frame on the 8R 440, 490, and 540 was intentionally designed so these tractors can turn on a dime.

With Reactive Command Steering (RCS), the steering wheel turns back to center automatically. Choose from three settings, adjusting the steering response to your preference for optimal comfort and control. The electric steering also gives the operator consistent feedback from the steering wheel, so you can handle turns with ease, regardless of heavy, front-mounted implements or large front dual tires. The 8R offers a 19% improvement in turning radius over competitors¹ when equipped with row-crop duals.

With customizable settings, you get a tailored driving experience that enhances comfort and reduces repetitive movements. You'll enjoy reliable and responsive control, allowing for improved operational effectiveness and productivity.

¹ Based on internal testing done of an 8R 540 vs. a 500 hp competitor fixed frame row crop tractor both with 380 front duals at 60 in. / 120 in. (152.4 cm / 304.8 cm) spacing. The 8R 540 had a turn radius of 28.2 ft (8.6 m) and the competition had a turn radius of 33.5 ft (10.2 m).



YOUR TOTAL PLANTING SOLUTION

The high-horsepower 8R and 8RX Tractors give you a rare combination of power, technology, and maneuverability to get all your seed in the ground, precisely, during tight planting windows, so you can plant 1,200 acres (486 hectares) each day.¹

The JD14 13.6L engine paired with Peak Power Intelligent Power Management (IPM) gives you the brains and muscles to tackle dynamic, changing conditions without losing speed. The fixed frame means you'll enjoy high horsepower yet high maneuverability at the same time.

Added power allows you to pull heavier, wider implements, which means fewer, faster passes – eliminating up to 30% of pinch rows too.² The Ethernet connection enables seamless HD data transfer from the planter to the tractor, which is easily monitored in-cab via the G5^{Plus} Display. Combined with front-fill, ExactRate™ tanks, and the 56V power off-boarding option, the 8RX is the ultimate planting solution. With 14-hour run times³, a convenient, tech-enabled cab experience featuring the next-gen CommandARM™, and smart automation, you can spend more time planting and less time stressing.

¹ Planting 1,200 acres (486 ha.) each day is based on internal testing of an 8R 490 with Peak Power IPM pulling a DB90 at 12.5 mph (20.1 km/h) over 12.3 hours with 80% efficiency.

² Comparison is based on planting a square 80 acre (32.4 ha.) field planted with a 24R row 1775 on an 8R 410 vs. a 36 row DB90 on an 8R 440, both with row crop duals at 30 inch (76.2 cm.) spacing. It would take 32 passes with the 8R 410 vs. 21 passes with the 8R 440. That is 11 passes less, or a reduction of 34% in pinch rows caused by the tractor tires in the field.

³ Based on internal data on an 8RX 540 power curve at 1900 rated engine speed the tractor would use 293.3 gallons (1,110.3 L) of fuel.



TILLAGE REDEFINED

Prepare 40% more ground¹ with the high-horsepower 8R and 8RX Tractors, which deliver an exceptional blend of power, technology, and maneuverability for your tillage operations. These tractors enable you to tackle challenging terrains, maintain speed during inclines and transport, and are connected with a seamless HD data transfer to help you combine intelligence while hauling heavy implements.

Autonomous Tillage

Revolutionize the way you get work done. Automating tasks allows you to streamline your workflow and unlock the full potential of your operation. Operate several machines simultaneously. Expand your operational windows so you can cover those acres during shorter windows. It's farming, reimagined, with Autonomy Ready capabilities on the high-horsepower 8R and 8RX Tractors.

¹Preparing 40% more acres (hectares) per hour is based on internal testing of an 8R 490 with a HSD35 going 11.5 mph (18.5 km/h) vs. an 8R 410 with a HSD25 going 11.3 mph (18.2 km/h) in the same field, with both being maxed out at 100% load.





PROTECT YOUR EQUIPMENT

We know peace of mind is important to you. That's why we provide comprehensive protection and warranty packages – along with superior customer support – to keep your new 8 Series Tractor operating at its best. From PowerGard™ and John Deere Protect™ to John Deere Connected Support, we have just what you need to keep running all year long.

POWERGARD

The PowerGard Protection Plan¹ offers valuable extended warranty coverage to protect your new high-horsepower 8R or 8RX Tractor from the unexpected and to ensure it's ready when you need it. PowerGard is available for purchasing during the initial 24 month basic warranty period.² It is the most cost-effective option to purchase in the first 12 months and provides two options:

- Comprehensive (for main components of the full machine)
- Limited (for main components of the engine and powertrain)

Other benefits of a PowerGard Protection Plan include:

- Select from a variety of flexible term lengths, in total months and total hours.
- No pre-approval of claims necessary. Call or visit any authorized John Deere dealership for service.
- Expert dealer technicians will fix it right, with exactly the right John Deere parts to fit your machine.
- Any remaining PowerGard coverage is fully transferable to a new owner, with no transfer fee.

Learn more at JohnDeere.com/PowerGard or JohnDeere.ca/PowerGard.

JOHN DEERE PROTECT

The John Deere Protect Maintenance Plans are designed to help you maintain original performance and uptime of your new John Deere high-horsepower 8R or 8RX Tractor, with coverage options below.

36 Months/1500 Hours Parts & Fluids Maintenance Plan³

- Includes all recommended Parts and Fluids for the customer to complete scheduled maintenance events
- Does Not include Dealer Labor

36 Months/1500 Hours Maintenance Plan⁴

- Annual Expert Inspections
- Scheduled Maintenance Events with Labor completed by a Dealer Technician
- You can buy this plan when purchased in conjunction with a PowerGard Limited or Comprehensive plan⁵

36 Months/3000 Hours Maintenance Plan⁴

- Annual Expert Inspections
- Scheduled Maintenance Events with Labor completed by a Dealer Technician
- You can buy this plan when purchased in conjunction with a PowerGard Limited or Comprehensive plan⁵

See your John Deere dealer or visit JohnDeere.com/Protect or JohnDeere.ca/Protect to learn more.

¹ The PowerGard Protection Plan does not cover attachments, maintenance or wear parts, nor other non-covered components specifically mentioned in the contract terms. Other terms, conditions, exclusions and warranty limitations apply. See your John Deere dealer or visit JohnDeere.com/Protect or JohnDeere.ca/Protect to learn more.

² All new John Deere 8 Series Tractors come with a standard basic warranty of 24 months. Terms, conditions, exclusions, and warranty limitations apply. See your John Deere Dealer for details.

³ PowerGard is not required for this plan. For complete plan details, contact a participating dealer near you.

⁴ PowerGard is required for this plan. For complete plan details, contact a participating dealer near you.

⁵ PowerGard Comprehensive Protection Plan with a minimum term of 36 months/1,500 or 3,000 engine hours and 60 months/3,000 or 5,000 hours must be purchased separately to be eligible for John Deere Protect extended service plans. Additional details are included in the selling descriptions of each included plan. Other terms, conditions, exclusions and warranty limitations apply. See your John Deere dealer or visit JohnDeere.com/Protect or JohnDeere.ca/Protect to learn more.

RUN IT YOUR WAY

When you choose John Deere, you get more than just horsepower. You get game-changing technology that provides clear, reliable information for you to get the most out of your new 8R or 8RX Tractor.

With digital tools like **John Deere Operations Center™** and **Equipment Mobile** — along with the convenience of purchasing parts, attachments, and accessories from your dealer online at Shop.Deere.com or Shop.Deere.ca— it's now easier to use, maintain, diagnose, repair, and protect your machine for the long run.

Whether you perform the work yourself — or partner with your local John Deere dealer and/or local service center — keep running with products and parts made specifically for your machine. Learn more at JohnDeere.com/RunItYourWay or JohnDeere.ca/RunItYourWay.



Oils

PLUS-50™ II SAE 15W-40 engine oil and HyGard™ transmission/hydraulic oil are specially formulated to enhance the performance of John Deere tractors.



Filters

From oil, fuel, and transmission filters to air and diesel exhaust fluid (DEF) filters, John Deere manufactures OEM replacements for 8R Tractors.



Greases & Lubricants

John Deere offers a proprietary line of high-performance greases and lubricants that helps equipment owners maintain reliability and keep up with routine service needs.



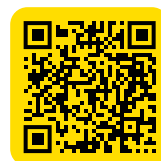
Hydraulic Hoses

Your local John Deere dealer can replace worn or damaged hydraulic hoses on your 8R tractor with all new hoses.



SCV Components

Change out worn selective control valve (SCV) components — like couplers and valve spools — with new John Deere parts.



Equipment Mobile

Download the Equipment Mobile app to easily track service intervals, view Operator's Manual, and access parts information for your 8R Tractor.

**ORDER FROM YOUR LOCAL JOHN DEERE DEALER
IN-STORE OR ONLINE AT SHOP.DEERE.COM OR SHOP.DEERE.CA**

HIGH-HORSEPOWER 8R & 8RX TRACTORS SPECIFICATIONS

POWER	8R 440	8R 490	8R 540
Rated PTO power (hp SAE) at rated engine speed ¹	355 hp (265 kW)	400 hp (298 kW)	445 hp (332 kW)
Rated 1300 PTO power (hp SAE) at rated PTO speed	386 hp (288 kW)	434 hp (324 kW)	482 hp (360 kW)
Rated engine power PS (hp ISO) at rated engine speed (ECE-R120) ²	440 hp (324 kW)	490 hp (360 kW)	540 hp (397 kW)
Max engine power PS (hp ISO) at max engine power speed (ECE-R120) ²	484 hp (356 kW)	539 hp (396 kW)	594 hp (437 kW)
Intelligent Power Management (available), additional engine horsepower PS (hp ISO) at 1,900 rpm (rated speed)	40 hp (29 kW)	40 hp (29 kW)	40 hp (29 kW)
Peak Power Intelligent Power Management (available), additional engine horsepower PS (hp ISO) at 1,700 rpm	40 hp (29 kW)	40 hp (29 kW)	40 hp (29 kW)
Max engine power PS (hp ISO) with boost at max engine power speed (ECE-R120) ²	524 hp (385 kW)	579 hp (426 kW)	634 hp (466 kW)
Engine peak torque (Nm) at max torque engine speed ²	2196 Nm	2445 Nm	2695 Nm
Engine power bulge ²	10%	10%	10%
PTO torque rise	41%	41%	40%
ENGINE			
Manufacturer	John Deere		
Engine model	JD14		
Rated speed	1,900 rpm		
Aspiration	Single wastegated turbocharger air-to-air aftercooling and cooled exhaust gas recirculation		
Displacement	827 cu in (13.6 L)		
FUEL SYSTEM			
Required fuel type	Ultra low sulfur diesel (B30 diesel compatible)		
TRANSMISSION			
eAutoPowr™ EVT 40K	Available (Forward: 0.05 - 40 km/h, 40 km/h @ min erpm of 1200, with group 50 tires, 40 km/h @ min erpm of 1200, with group 49 tires Reverse: 0.05 - 30 km/h) ³		
eAutoPowr™ EVT 50K	Available (Forward: 0.05 - 50 km/h, 50 km/h @ min erpm of 1200, with group 50 tires, 50 km/h @ min erpm of 1260, with group 49 tires Reverse: 0.05 - 30 km/h) ³		
eAutoPowr™ EVT 60K	Available (Forward: 0.05 - 60 km/h, 60 km/h @ min erpm of 1439, with group 50 tires, 60 km/h @ min erpm of 1510, with group 49 tires Reverse: 0.05 - 30 km/h) ³		
ELECTRIC POWER GENERATION (Optional)			
Power output	100 kW		
Voltage	480 VAC / 700 VDC		
Power output	15 kW		
Voltage	56 VDC		
ELECTRICAL SYSTEM			
Alternator/battery	Standard: 250 A / 12 V, Available: 330 A / 12 V		
Total cold cranking amps	3 X 950 CCA : 2,850 CCA Total		
REAR AXLES			
140 x 2550 mm diameter (5.51 x 100.4 in), double flat axle with single taper hub	Available		
140 x 3010 mm diameter (5.51 x 118.5 in), double flat axle with single taper hub	Standard		
FRONT AXLES			
ILS - tread range 60 to 160 in (1524 to 4064 mm) 4.5 or 5 step drop	Standard w/ or w/o duals		
STEERING			
Reactive Command Steering (RCS) w/ electronic back-up pump	Tilt & telescope steering with memory function, 345-mm steering wheel (all options) Standard: Variable ratio 15:1 to 20:1 (31-5.0 turns lock-to-lock) w/ tactile feedback, includes return-to-center capability		
HYDRAULIC SYSTEM			
Rear selective control valves with 1/2 in (12.7 mm) ISO couplers	Closed-center, pressure/flow compensated system with load sensing Standard: 5; Available: 4 or 6		
Rear selective control valves with 3/4 in (19.05 mm) and 1/2 in (12.7 mm) ISO couplers	Available: 6 (SCV 1: 3/4 in coupler, SCV 2-6: 1/2 in couplers)		
Dual hydraulic pump	84 gpm (319.8 lpm)		
High flow dual hydraulic pump	110 gpm (418.2 lpm)		
Available flow at a single selective control valve - 1/2 in (12.7 mm) coupler	35 gpm (132 lpm)		
Available flow at a single selective control valve with High-Flow - 3/4 in (19.05 mm) coupler	45 gpm (170 lpm)		
3-POINT HITCH - REAR	Electrohydraulic sensing		
Lift capacity per OECD: 24 inch / 610 mm behind the coupler			
Category 4N/3 w/ Quick-Coupler and sway blocks	Standard: 20,000 lb (9072 kg), Available: 24,000 lb (10,886 kg)		
Category 4N/3 w/ ball/hook ends and sway blocks	Standard: 19,841 lb (9000 kg)		
Category 4N/3 w/ ball/hook ends and deluxe sway stabilizers	Standard: 19,841 lb (9000 kg), Available: 24,000 lb (10,886 kg)		
DRAWBAR			
Category 5 with Category 4 insert	19,000 lb (8636 kg) max vertical load		
Category 5	NA		
	19,000 lb (8636 kg) max vertical load		
REAR POWER TAKE OFF (PTO)			
1,000 rpm 20-spline 45 mm (1-3/4 in) PTO	Standard		
1,000 rpm / 1,000E rpm 20-spline 45 mm (1-3/4 in) and 1,300 rpm 22-spline 57.5mm (2-1/4 in) PTO	Available		
3-POINT HITCH - FRONT			
Lift capacity through full range 24 in (610 mm) in front of the coupler (Values reported per ISO 789-2)	10,710 lb (4860 kg)		
FRONT POWER TAKE OFF (PTO)	Electrohydraulic switched via oil cooled multi-disc clutch		
1,000 rpm 21-spline 35 mm (1-3/8 in) CCW rotation (facing PTO) type 2	Available		
INTEGRATED TECHNOLOGY			
Integrated AutoTrac™	Standard		
Connectivity subscription	JDLink connectivity ⁴ can be enabled in John Deere Operations Center™		
CAPACITIES			
Fuel tank	247 gal (936 L)		
DEF tank	18.2 gal (69 L)		
WHEELBASE			
ILS	131.9 in (3350 mm)		
MFWD / ILS axle clearance	21.9 in (555 mm)		
AVERAGE BASE WEIGHT			
EVT, ILS, VF650/65R38 front tires, VF750/75R46 rear tires, 85 gpm (321.76 lpm) dual pumps, 5 SCVs, PTO, Premium Front Hitch, CAT4 hitch, CAT 5 drawbar, Air & Hydraulic Trailer Brakes, Shipping ⁵ Fuel and DEF	37,377 lb (16,954 kg)		
EVT, ILS, Dual VF420/85R38 front tires, Dual VF480/95R50 rear tires, 950kg Integrated Rear Wheel Weights, 85 gpm (321.76 lpm) dual pumps, 5 SCVs, PTO, CAT4 hitch, CAT 5 drawbar, Shipping ⁵ Fuel and DEF	43,193 lb (19,592 kg)		
WEIGHT CAPACITIES			
Max ballast level	52,910 lb (24,000 kg)		
Max permissible weight	52,910 lb (24,000 kg) - 40 kph, 52,910 lb (24,000 kg) - 50 kph w front brakes 44,100 lb (20,000 kg) - 50 kph w/o front brakes, 44,100 lb (20,000 kg) - 60 kph w front brakes		

¹PTO power for EVT models. Does not include optional equipment losses. Requires CAT IV PTO Shaft. ²Equivalents: John Deere Standard RES10080, SAE Standards J1995. ³Base tractor configuration on level ground, with specified tires groups above at mfg recommendation for tire pressure, erpm, are load dependent. ⁴JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability. ⁵Shipping = 10% of tank size

POWER	8RX 440	8RX 490	8RX 540
Rated PTO power (hp SAE) at rated engine speed ¹	355 hp (265 kW)	400 hp (298 kW)	445 hp (332 kW)
Rated 1300 PTO power (hp SAE) at rated PTO speed	386 hp (288 kW)	434 hp (324 kW)	482 hp (360 kW)
Rated engine power PS (hp ISO) at rated engine speed (ECE-R120) ²	440 hp (324 kW)	490 hp (360 kW)	540 hp (397 kW)
Max engine power PS (hp ISO) at max engine power speed (ECE-R120) ²	484 hp (356 kW)	539 hp (396 kW)	594 hp (437 kW)
Intelligent Power Management (available), additional engine horsepower PS (hp ISO) at 1,900 rpm (rated speed)	40 hp (29 kW)	40 hp (29 kW)	40 hp (29 kW)
Peak Power Intelligent Power Management (available), additional engine horsepower PS (hp ISO) at 1,700 rpm	40 hp (29 kW)	40 hp (29 kW)	40 hp (29 kW)
Max engine power PS (hp ISO) with boost at max engine power speed (ECE-R120) ²	524 hp (385 kW)	579 hp (426 kW)	634 hp (466 kW)
Engine peak torque (Nm) at max torque engine speed ²	2196 Nm	2445 Nm	2695 Nm
Engine power bulge ²	10%	10%	10%
PTO torque rise	41%	41%	40%
ENGINE			
Manufacturer	John Deere		
Engine model	JD14		
Rated speed	1,900 rpm		
Aspiration	Single wastegated turbocharger air-to-air aftercooling and cooled exhaust gas recirculation		
Displacement	827 cu in (13.6 L)		
FUEL SYSTEM			
Required fuel type	Ultra low sulfur diesel (B30 diesel compatible)		
TRANSMISSION			
eAutoPower™ EVT 40K	Available (Variable forward: 0.05 - 40 km/h, 40 km/h @ min erpm of 1200 Variable reverse: 0.05 - 30 km/h) ³		
ELECTRIC POWER GENERATION (Optional)			
Power output	100 kW		
Voltage	480 VAC / 700 VDC		
Power output	15 kW		
Voltage	56 VDC		
ELECTRICAL SYSTEM			
Alternator/battery	Standard: 250 A / 12 V, Available: 330 A / 12 V		
Total cold cranking amps	3 X 950 CCA - 2,850 CCA Total		
REAR AXLES			
Tread spacing	Factory: 80 in (2032 mm), 88 in (2235.2 mm), 120 in (3048 mm) Aftermarket: 132 in (3352.8 mm), 136 in (3454.4), 144 in (3657.6 mm)		
Drive type	Positive		
Track width	21 in (533 mm), 24 in (610 mm), 30 in (762 mm)		
FRONT AXLE			
Tread Spacing	Factory: 80 in (2032 mm), 88 in (2235.2 mm), 120 in (3048 mm) Aftermarket: 132 in (3352.8 mm), 136 in (3454.4), 144 in (3657.6 mm)		
Drive type	Positive		
Track width	21 in (533 mm), 24 in (610 mm)		
STEERING			
Reactive Command Steering (RCS) w/ electronic back-up pump	Tilt & telescope steering with memory function, 345-mm steering wheel (all options)		
	Standard: Variable ratio 15:1 to 20:1 (31-5.0 turns lock-to-lock) w/ tactile feedback, includes return-to-center capability		
HYDRAULIC SYSTEM			
	Closed-center, pressure/flow compensated system with load sensing		
Rear selective control valves with 1/2 in (12.7 mm) ISO couplers	Standard: 5; Available: 4 or 6		
Rear selective control valves with 3/4 in (19.05 mm) and 1/2 in (12.7 mm) ISO couplers	Available: 6 (SCV 1: 3/4 in coupler, SCV 2-6: 1/2 in couplers)		
Dual hydraulic pump	84 gpm (319.8 lpm)		
High flow dual hydraulic pump	110 gpm (418.2 lpm)		
Available flow at a single selective control valve - 1/2 in (12.7 mm) coupler	35 gpm (132 lpm)		
Available flow at a single selective control valve with High-Flow - 3/4 in (19.05 mm) coupler	45 gpm (170 lpm)		
3-POINT HITCH - REAR			
Lift capacity per OECD: 24 inch / 610 mm behind the coupler			
Category 4N/3 w/ Quick-Coupler sway blocks	Standard: 20,000 lb (9072 kg), Available: 24,000 lb (10,886 kg)		
Category 4N/3 w/ ball/hook ends and sway blocks	Standard: 19,841 lb (9000 kg)		
Category 4N/3 w/ ball/hook ends and deluxe sway stabilizers	Standard: 19,841 lb (9000 kg), Available: 24,000 lb (10,886 kg)		
DRAWBAR			
Category 5 with Category 4 insert	19,000 lb (8636 kg) max vertical load	NA	NA
Category 5	19,000 lb (8636 kg) max vertical load		
REAR POWER TAKE OFF (PTO)			
1,000 rpm 20-spline 45 mm (1-3/4 in) PTO	Independent, electrohydraulic switched via oil-cooled multi-disc clutch		
	Standard		
1,000 rpm / 1,000E rpm 20-spline 45 mm (1-3/4 in) and 1,300 rpm 22-spline 57.5mm (2-1/4 in) PTO	Available		
3-POINT HITCH - FRONT			
Lift capacity through full range 24 in (610 mm) in front of the coupler (Values reported per ISO 789-2)	10,710 lb (4860 kg)		
INTEGRATED TECHNOLOGY			
Integrated AutoTrac™	Standard		
Connectivity subscription	JDLink connectivity ⁴ can be enabled in John Deere Operations Center™		
CAPACITIES			
Fuel tank	296.6 gal (1123 L)		
DEF tank	18.2 gal (69 L)		
WHEELBASE			
MFWD	130.1 in (3305 mm)		
AVERAGE BASE WEIGHT			
eVT, 21 in front, 21 in rear, 120 in spacing, 85 gpm dual pumps, 5 SCVs, PTO, CAT4 hitch, CAT 5 drawbar, Shipping ⁵ Fuel & DEF	48,389 lb (21,949 kg)		
ExactRate™ TRACTOR TANKS			
Capacity	1,000 gal (3,785 L)		
WEIGHT CAPACITIES			
Max ballast level	50,706 lb (23,000 kg)		
Max permissible weight	62,831 lb (28,500 kg)		

¹ PTO power for EVT models. Does not include optional equipment losses. Requires CAT IV PTO Shaft.

² Equivalents: John Deere Standard RES10080, SAE Standards J1995.

³ Base tractor configuration on level ground. ERPMs are load dependent.

⁴ JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

⁵ Shipping = 10% of tank size.

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