

8 SERIES TRACTORS

250-410 Engine Horsepower



JOHN DEERE





8R



8RX



8RT



PAVING THE WAY FORWARD

At John Deere, we've cultivated more than 100 years of tractor expertise in the pursuit of progress for farmers. Now we're paving the path to the future with the 8 Series Tractors, which take a pivotal step in the direction of autonomy.

The 8 Series Tractors are available in three configurations: 8R wheels, two-track 8RTs, and four-track 8RXs.

Take your 8 Series capabilities to new levels with G5 Advanced, Implement Ethernet, AutoTrac™ Turn Automation, and AutoPath™, so you can place your implement, sprayer, and harvester in the most efficient path through your field.

Ride with confidence and control with advanced technologies at your fingertips – located on a newly designed CommandARM™ console, featuring the CommandX, CommandX Plus or CommandX Pro drive levers, Convenience Display, and more – creating a cohesive operator experience across all 8 Series Tractors.

The 8R and 8RX are available with the Autonomy Ready option. These tractors are built with additional components from the factory that make them ready to adopt the fully autonomous solution.¹

All this and more can be found in our newly updated 8 Series Tractors with 250 to 410 hp.

¹Will require Autonomy Kit and license once full autonomy is available.

Always ballast your tractor according to Operator's Manual.

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THE NEXT LEAP FORWARD IN 8R TRACTORS

More customization. More power. More reliability.¹ Choose the perfect model for your operation among our 8 Series Tractors powered by the dependable 9.0L engine, and outfit it with one of the four excellent transmission options we offer.

You'll discover more capability, comfort, and ease-of-use in the 8 Series than ever before.¹ A spacious cab. An exclusive seat with superior comfort and swivel. Great visibility to the ground and drawbar. LED lighting with 360-degree illumination. With the adjustable cab suspension you can make it a smooth ride in most field conditions. Sleek and refined cab styling.

Reactive Command Steering, a factory orderable option, automatically returns the steering wheel to the center for you after making a turn. Every pass, every turn, and every hour in the

seat feels confident and controlled. CommandX™ Pro (e23, IVT, EVT) transmission drive lever, now in 250-410 8 Series tractors marks the next step toward delivering a consistent, unified operator experience. Enhance your productivity with the Integrated StarFire™ 7500 receiver and the latest in precision ag technology that is all controlled on the G5^{Plus} display. Imagine how much more you can get done – and how much faster you can do it.

There are six models to choose from and customize to your specifications, from 250 to 410 (184 kW to 306 kW) engine hp. Find out more at JohnDeere.com/8R or JohnDeere.ca/8R.

¹Compared to previous models.





John Deere Central Tire Inflation System (CTIS)

Run with ideal tire pressure with CTIS available on 8R Tractors. Inflate and deflate quickly at 2 PSI per minute from the cab with the press of a button. Lower tire pressure increases your footprint by 25%, reducing slip in the field by 2 to 4%. This lets you boost field productivity by 6% while reducing compaction and smearing.²

²Based on internal John Deere testing.

THE FUTURE IS RIGHT ON TRACK: 8RX TRACTORS

You're looking at a bold leap forward in the 8 Series: the 8RX Four-Track Tractor is the only fixed-frame four-track row-crop tractor on the market. Inspired by our innovative 9RX Tractors and including everything you love about the 8R Tractors, the 8RX has four independent tracks and a 4-post cab suspension to give you exceptional flotation, traction, and ride quality.

Boost your efficiency with factory integrated ExactRate™ tanks that offer 1,000 gallons (3,785 liters) of liquid capacity and reduce ground pressure without hindering your visibility. Together with our planter solution, applying high-rate fertilizer at planting is easier than ever¹.

Comfort is a top feature of the 8RX. The CommandView™ 4 Plus cab offers increased right-hand visibility and 15% more floor space.¹ Its large cab and an adjustable seat with optional massager help you make it through long hours. You'll also get an integrated StarFire™ 7500 Receiver, G5^{Plus} Display, a crystal clear primary display unit, and even more precision technology.

¹Compared to previous models.

Always ballast your tractor according to Operator's Manual.



Integrated Electric Power Generation

With John Deere tractors, you can choose from two power off-boarding options for EVT transmissions: 56V Power Off-boarding for planter applications or 700V Power Offboarding for Spudnick AirSep™ Harvester.

56V Power Offboarding unlocks the ultimate planter solution with EVT transmission — delivering dedicated power where it matters most for unmatched planting performance. The Spudnick AirSep enables precise speed control of the electric fan and improves cleaning of potatoes, separates rocks and debris, and maximizes profitable yield.



TRACK SPACING OPTIONS:

76 in. (193 cm)
80 in. (203 cm)
88 in. (224 cm)
120 in. (305 cm)

TRACK WIDTH OPTIONS:

17 in. (43 cm)
18 in. (46 cm)
24 in. (61 cm)
30 in. (76 cm) Rear Only

WIDE ROW SPACING OPTIONS:

132 in. (335 cm)
136 in. (345 cm)
144 in. (366 cm)
152 in. (386 cm)

Row spacing kits available in all four track widths. These kits are installed at the dealership. ExactRate liquid fertilizer system is available on all these configurations.



GO TO THE NEXT LEVEL. TWO-TRACK TRACTORS. 8RT TRACTORS

The 8RT delivers the straight-line pulling power and the traction and flotation you need to handle your toughest jobs. The two-track design reduces ground pressure up to 37% compared to wheel models, reducing soil compaction.¹

You asked for straight-line pulling power and efficiency. The 8RT delivers with the John Deere 9.0L engine and your choice of transmission, including the Electric Variable Transmission (EVT).

You asked for greater operator comfort. The 8RT delivers with an incredibly comfortable seat, exclusive AirCushion™ Suspension, and 4-post cab suspension.

The CommandX™ suite of transmission drive levers (CommandX™, CommandX™ Plus, and CommandX™ Pro) delivers increasing functionality and customization across three tiers — so you can run your tractor exactly the way you want. Enjoy an integrated StarFire™ 7500 receiver, G5^{Plus} display, primary display unit, and the latest in precision technology.

Four models available, from 310 to 410 engine hp. Tread spacing ranges from 72 in. - 160 in. (183 cm - 406.4 cm) on 16.5 in., 18 in., 24 in., 25 in., and 30 in. (41 cm, 45 cm, 61 cm, 63 cm, and 76 cm) track widths to fit your job.

Find out more at JohnDeere.com/8R or JohnDeere.ca/8R.

¹ Based on John Deere internal testing comparing 8RT and 8R Tractors.





BUILT FOR YOU

The John Deere Operator Experience is built around one person: you. Confidence, control, and comfort — all in a day's work.

The redesigned CommandARM™ Console puts advanced technologies right at your fingertips. An immersive Convenience Display houses your HVAC, radio, seat controls, and more — putting operator comfort settings within easy reach. With added amenities, like wireless phone charging and a heated, ventilated, massaging seat, every hour in the cab is more enjoyable — and more efficient.

Engine and throttle controls, plus quick-access buttons, let you sit back, enjoy the view, and have those needed controls right where you need them for quick and easy adjustment while you work.

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

¹Compared to previous models.



COMFORT & CONVENIENCE PACKAGES¹

FEATURE	SELECT	PREMIUM	ULTIMATE
Seat Options	• Cloth Seat with Mechanical Controls and Mechanical Lumbar Support • 24° LH / 40° RH swivel	• Vision Cloth • Electronic Controls • Pneumatic Lumbar • 24° LH / 40° RH swivel • Screen interface for seat adjust • Full width cushion length adjust • Choose from three adjustable memory settings	Ultimate Seat includes all the features of the Premium, with these additional features: • Vision Leather • Heated / Ventilated • Massage • Adjustable Bolsters • Seatback vent (HVAC Blower)
Infotainment	• AM/FM/WX Radio with Auxiliary and Bluetooth Inputs • 4 Speakers	• 8 in. (20 cm) Touchscreen Radio • 6 Speakers with Subwoofer	• 8 in. (20 cm) Touchscreen Radio • 6 Speakers with Subwoofer
Foot Rests	✓	✓	✓
Cell Phone Mount & Wireless Charger	✓	✓	✓
Refrigerator		✓	✓
RH Accessory Rail, 120V Outlet		✓	✓
Door Cinch			✓
Carpeted Floor Mat			✓
Leather-Wrapped Steering Wheel			✓
Mechanical CommandARM™ Adjust	✓		
Electric CommandARM™ Adjust		✓	✓



TAKE A SEAT

Get ready to log some serious hours in comfort, style, and peak productivity. A high-backrest with seatback ventilation let you sit comfortably within the cab. The massaging feature helps you stay relaxed and refreshed during long days in the field. And since the seat is heated and ventilated, you'll stay warm or cool depending on the season (Available in Ultimate Comfort & Convenience Packages only).



CONVENIENCE DISPLAY

Experience a smarter, more intuitive cab with the new Convenience Display built directly into the CommandARM. This immersive convenience experience brings essential comfort and connectivity controls—radio, HVAC, seat settings, and phone features—together in one streamlined digital display.



PUSH-BUTTON START

With push-button start, you're working faster from the moment you climb into the cab. No key fumbling—just press and go. Optional PIN set up can be turned on for an additional layer of machine security.

OWN THE NIGHT

This is not a 9-to-5 job. Take charge of your night when the daytime work hours aren't enough to get the job done. Our lighting packages illuminate the path to nighttime productivity. Get 360-degree illumination of the field around you. Choose from three Visibility Packages to help you make the most of your time; amenities vary by package.



SELECT²

- 18 LED work lights
- Mechanical exterior mirrors
- Front and rear window wipers
- Camera-ready

PREMIUM

- 20 LED work lights
- Electronic, heated exterior mirrors
- Front, right-hand, and rear window sunshades
- Front, right-hand, and rear window wipers
- Camera-ready

ULTIMATE

- 24 LED work lights, 8 LED convenience lights
- Electric, heated, power telescoping exterior mirrors
- Front, right-hand, and rear window sunshades
- Front, right-hand, and rear window wipers
- Integrated cameras

² SELECT package available in select markets only.



SHIFT INTO HIGH GEAR

Power of choice in transmissions. Choose from several excellent transmission options with different benefits and capabilities. Whether you're looking for simple, reliable mechanical power or seamless control at your fingertips, we have a transmission that fits your needs.

Across our e23, IVT, and EVT transmissions, operators can choose from three drive lever options — CommandX, CommandX Plus, and CommandX Pro — each built on a common drive strategy while progressively adding capability and control to match any operating style.



CommandX Pro delivers the highest level of customization, with unmatched flexibility to tailor the operator experience to your exact needs. Right-tip cruise activation, an inching gate for precise low-speed control, and additional reconfigurable buttons give you the ultimate command of your machine.

Feature	CommandX™	CommandX™ Plus	CommandX™ Pro
• Left Hand Reverser	✓	✓	✓
• 2 Reconfigurable Rocker Switches	✓	✓	
• 2 Reconfigurable Buttons	✓	✓	
• 2 Cruise Speed Buttons	✓	✓	✓
• Drive Lever Adjustment Wheel	✓	✓	✓
• Activation Button		✓	✓
• Foot Accelerator Pedal		✓	✓
• Left Tip Shuttle Shift		✓	✓
• 4 Reconfigurable Rocker Switches			✓
• 4 Reconfigurable Button			✓
• Right Tip Cruise Activation			✓
• Inching In Left Gate (IVT/EVT)			✓
• Auto-Hold Mode (IVT/EVT)			✓

¹ CommandX, CommandX Plus, and CommandX Pro available on e23, IVT, and EVT transmissions in 250–410 8 Series tractors. Always ballast your tractor according to Operator's Manual.



Electric Variable Transmission (EVT)

Experience everything you appreciate from an IVT™ with the Electric Variable Transmission—available on 8 series 370 and 410 tractors. Using a combination of mechanical and electrical power, the EVT provides automatic control of engine rpm and ground speed. It also provides the ability for electric power generation.

Infinitely Variable Transmission (IVT™)

Delivering the best in performance and operation, you can smoothly shift up from 0 to 25 or 31 mph (40 or 50 km/h) and any speed in between, including creeper speeds as low as 164 ft (50 m) per hour.

e23™ PowerShift™ Transmission

Pair the benefits of a mechanical transmission with the ease of an IVT with the e23 PowerShift transmission. 23 forward gears are evenly spaced 15% apart to fit your different operating conditions and implements.

16-Speed PowerShift Transmission

Simple. Reliable. Cost-effective. The 16-speed PowerShift transmission delivers smooth on-the-go power delivery for fuel-saving performance.



FRONT

BACK

SEE MORE. KNOW MORE. DO MORE.

G5^{PLUS} COMMANDCENTER™ DISPLAY

Precision. Performance. Productivity.

The G5^{PLUS} CommandCenter™ Display gives you a bigger, clearer view of your 8 Series performance and work in the field, while enabling advanced precision technology capabilities that improve in-field performance today and continue to evolve over time.

- 12.8 in. (32.5 cm) touchscreen – 35% larger to make on-the-go in-field adjustments easier¹
- 3× faster processor – for quicker boot times and smoother operation
- High resolution 1080p screen for brighter, clearer views
- 2 digital and 4 analog video inputs – for expanded camera visibility
- Designed to support advanced automation features and future in-field capabilities

The G5^{PLUS} CommandCenter™ includes permanent AutoTrac™ and Section Control capabilities, with an available permanent AutoTrac™ RowSense™ license.

For even greater productivity, the optional G5 Advanced package adds additional automation and precision ag capabilities. More than a display, G5^{PLUS} is your platform for continuous improvement—delivering new features, enhanced performance, and expanded automation over time.

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 free,² 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, analyze the past to make decisions for the future, and stay ahead of maintenance and service.

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



G5 ADVANCED PACKAGE

More affordable. More accessible, More adaptable.

Take your in-field productivity and performance to the next level with our optional G5 Advanced Package. It bundles some of John Deere's most advanced precision ag tools into one easily renewable 1-year license. Tailored to your machines, G5 Advanced Package offers lower up-front cost, gets better over time, and you only pay for what your farm needs. Designed to make you more productive, more precise, and less stressed, the G5 Advanced Package includes:

AutoPath™ (Boundaries) – Plan once in the Operations Center or right on your display and get to work faster. Eliminate up to one pass through the field and work with confidence knowing your guidance lines are exactly where they need to be, across the entire field.

AutoPath™ (Rows) – Get repeatable precision every time you enter the field with guidance lines that are automatically generated for the entire field using your machine width and row data captured on the first pass.

AutoTrac Turn Automation – Take the stress out of every turn with consistent, repeatable performance at the end of each row. Spend less time steering and maneuvering your equipment, and more time focusing on doing the job right.

AutoTrac Implement Guidance – Keep your implement right on track with precise and consistent spacing pass after pass, even on hills and uneven terrain, making guess rows a thing of the past.

In-Field Data Sharing – Share guidance lines, as applied coverage maps, field totals, and more between multiple machines working in the same field to enhance team communication without the radio chatter.

Machine Sync – Experience seamless coordination between the combine and grain cart, boosting productivity by up to 8.3% while unloading on the go. This technology minimizes downtime, reduces operator stress, and ensures a smooth and efficient harvest.

Grain Harvest Weight Sharing – Communicate effortlessly with real-time grain cart weight insights shared instantly across all operators.

Satellite Maps – Enhance your in-cab mapping experience with real image context relative to your machine's physical location.

SF-RTK (Optional) – Stay dialed in with 2.5 cm season-to-season repeatability and precision on every pass, directly from the sky, no additional hardware needed.



¹ Compared to previous Generation 4 displays.

² Activation required. JDLink™ hardware comes standard with the machine. The customer can turn on the JDLink service in their 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.



REASSURANCE TO KEEP YOU IN THE FIELD

With the purchase of a new John Deere 8 Series Tractor, you can get additional peace of mind with a PowerGard™ extended warranty and a John Deere Protect™ extended service plan. Both will help you manage expenses, increase uptime, and maintain original performance related to the ownership and operation of 8 Series Tractors.¹

PowerGard

You can buy a PowerGard Protection Plan² from the date of tractor delivery up to 12 months or 1,000 engine hours with no surcharges. After this period, you can still purchase a plan within 24 months or 2,000 engine hours from the date of delivery.

Length of terms includes 36, 48, 60, or 72 months for both *Comprehensive Plans* (main components of entire machine) and *Limited Plans* (main components of engine and powertrain).

PowerGard also offers the following benefits:

- No pre-approval of claims
- John Deere OEM parts for all repairs
- Availability of service at any authorized John Deere dealership
- Transferability to a new owner

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

John Deere Protect

With the purchase of a PowerGard Protection Plan, you're eligible to buy a John Deere Protect *Maintenance Plus Plan*³ for 8 Series Tractors. It covers the first 36 Months/1,500 Hours, 36 Months/3,000 Hours, 60 Months/3,000 Hours, or 60 Months/5,000 Hours of ownership — and features no deductible⁴ and no additional charges.

In addition to two to 10 scheduled maintenance events,⁵ the plan also provides:

- Three to five annual expert inspections
- 24-hour uptime assurance⁶
- John Deere OEM Parts (10% discount)
- Transferability to a new owner

Learn more about John Deere Protect plans at JohnDeere.com/Protect or JohnDeere.ca/Protect.

¹ All new John Deere tractors purchased from an authorized John Deere dealer come standard with a 12 month/unlimited hours (full machine) warranty and 24 month/2000 hours (engine only) warranty. Terms, conditions, exclusions, and warranty limitations apply. See your John Deere dealer or JohnDeere.com and JohnDeere.ca for details.

² The PowerGard Protection Plan (comprehensive or limited) does not cover headers, attachments, maintenance, or high-wear items, nor other non-covered components specifically mentioned in the contract terms.

³ PowerGard Protection Plan with minimum terms equal to or greater than the months/hours of the desired John Deere Protect Plan must be purchased separately to be eligible for John Deere Protect extended service plans. Additional details are included in the selling description of each plan.

⁴ PowerGard deductible applies to any failures under PowerGard coverage.

⁵ Number of scheduled maintenance events varies based on specific model and John Deere Protect Plan. Please see your participating dealer for complete details.

⁶ Subject to availability.

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 8 Series Tractor.

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

Whether you perform the work yourself — or partner with your local John Deere dealer and/or alternative service provider — be sure to keep running with products and parts made for your new tractor.

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 tractors.



Greases & Lubricants

John Deere produces a proprietary line of greases and lubricants for its equipment to help owners keep up with routine maintenance.



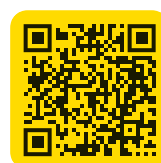
Hydraulic Hoses

Your local John Deere dealer can replace worn or damaged hydraulic hoses on your 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

Use Equipment Mobile to easily track service intervals, view Operator's Manual, and access parts information for your tractor. Download for free.

**ORDER FROM YOUR LOCAL JOHN DEERE DEALER
IN-STORE OR ONLINE AT [SHOP.DEERE.COM](https://shop.deere.com)
OR [SHOP.DEERE.COM/CA](https://shop.deere.com/ca)**

8R TRACTOR SPECIFICATIONS

POWER	8R 250	8R 280	8R 310	8R 340	8R 370	8R 410						
Rated PTO power (hp SAE) at rated engine speed†	200 hp (149 kW)	228 hp (170 kW)	257 hp (191 kW)	284 hp (211 kW)	310 hp (231 kW)	310 hp (231 kW)						
Rated engine power PS (hp ISO) at rated engine speed (ECE-R120)*	250 hp (184 kW)	280 hp (206 kW)	310 hp (228 kW)	340 hp (250 kW)	370 hp (272 kW)	410 hp (302 kW)						
Max engine power PS (hp ISO) at max engine power speed (ECE-R120)*	275 hp (202 kW)	308 hp (227 kW)	341 hp (251 kW)	374 hp (275 kW)	407 hp (299 kW)	443 hp (326 kW)						
Intelligent Power Management (Available)	35 additional engine horsepower (26 kW) PS (hp ISO) at 2,100 rpm (rated speed)											
Max engine power PS (hp ISO) with boost at max engine power speed (ECE-R120)*	295 hp (217 kW)	326 hp (243 kW)	357 hp (266 kW)	388 hp (289 kW)	420 hp (313 kW)	458 hp (342 kW)						
PTO torque rise	40%											
PTO power bulge	10%											
ENGINE												
Manufacturer (US EPA Final Tier 4)	JD9 (B30 diesel compatible)											
Rated speed	2 100 rpm											
Aspiration	Single turbocharger, variable geometry turbo				Dual turbochargers, variable geometry turbo with fixed geometry turbo in series							
Displacement	549 cu in (9.0L)											
FUEL SYSTEM												
	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)											
Required fuel type	Ultra low sulfur diesel (B30 diesel compatible)											
TRANSMISSIONS												
16-speed PowerShift; 16F, 5R** with APS (Auto Power Shift)	Available (Forward: 40 km/h @ 1952 erpm, with group 49 tires, 40 km/h @ 2057 erpm, with group 48 tires, 40 km/h @ 2168 erpm, with group 47 tires Reverse: 15.2-16.9 km/h)			NA								
e23** PowerShift 40 km/h, (25 mph)	Standard (Forward: 40 km/h @ 1339 ECO erpm, with group 49 tires, 40 km/h @ 1412 ECO erpm, with group 48 tires, 40 km/h @ 1488 ECO rpm with group 47 tires Reverse: 30 km/h)c**											
e23** PowerShift 50 km/h, (31 mph)	Available (Forward: 50 km/h @ 1674 ECO erpm, with group 49 tires, 50 km/h @ 1765 ECO erpm, with group 48 tires, 50 km/h @ 1859 ECO rpm with group 47 tires Reverse: 30 km/h)c**											
John Deere Infinitely Variable Transmission (IVT**), 40 km/h, (25 mph)	Available (Forward: 0.05 - 40 km/h, 40 km/h @ 1292 ECO erpm, with group 49 tires, 40 km/h @ 1360 ECO erpm, with group 48 tires, 40 km/h @ 1433 ECO rpm with group 47 tires Reverse: 0.05 - 30 km/h)c**				NA	NA						
John Deere Infinitely Variable Transmission (IVT**), 50 km/h (31 mph)	Available (Forward: 0.05 - 50 km/h, 50 km/h @ 1615 ECO erpm, with group 49 tires, 50 km/h @ 1700 ECO erpm, with group 48 tires, 50 km/h @ 1791 ECO rpm with group 47 tires Reverse: 0.05 - 30 km/h)c**				NA	NA						
Electric Variable Transmission (EVT), 40km/h, (25 mph)	NA				Available (Forward: 0.05 - 40 km/h, 40 km/h @ 1148 ECO erpm, w/ group 49 tires, 40 km/h @ 1148 ECO erpm, w/group 48 tires Reverse: 0.05 - 30 km/h)c**							
Electric Variable Transmission (EVT), 50 km/h, (31 mph)	NA				Available (Forward: 0.05 - 50 km/h, 50 km/h @ 1410 ECO erpm, w/ group 49 tires, 50 km/h @ 1524 ECO erpm, w/ group 48 tires Reverse: 0.05 - 30 km/h)c**							
ELECTRICAL SYSTEM												
Alternator/Battery	Two batteries in parallel											
Total cold cranking amps	Standard: 250 amps / 12 volt, Available: 330 amps / 12 volt 1850 (2-925 CCA grp 31 batteries)											
REAR AXLES												
110 x 3010 mm diameter (4.33 x 118.5 in), dual taper hub	Standard		NA									
120 x 3010 mm diameter (4.72 x 118.5 in), dual taper hub	Available		Standard		NA							
120 x 2550 mm diameter (4.72 x 100.4 in), double flat axle with single taper hub	Available											
120 x 3010 mm diameter (4.72 x 118.5 in), double flat axle with single taper hub	Available					Standard						
FRONT AXLES												
1300 Series MFWD - tread range 60 to 88 in (1524 to 2235 mm) 5 step drop	Standard		NA									
1500 Series MFWD - tread range 60 to 144 in (1524 to 3657 mm) 5 step drop			Available w/ or w/o duals									
ILS - tread range 60 to 144 in (1524 to 3657 mm) 5 or 6 step drop	Available w/ or w/o duals		Standard w/ or w/o duals									
DIFFERENTIAL LOCK - FRONT AXLE												
1300 Series MFWD	Limited Slip		NA									
1500 Series MFWD	Full-locking electrohydraulic (actuated at same time as rear diff-lock)											
ILS	Full-locking electrohydraulic (actuated at same time as rear diff-lock)											
HYDRAULIC SYSTEM												
	Closed-center, pressure/flow compensated system with load sensing											
Rear selective control valves with 1/2 in ISO couplers	Standard: 5; Available: 4-6											
Rated flow, 85cc pump	60 gpm (227 lpm)											
Rated flow, dual pump 85cc plus 35cc	84 gpm (318 lpm)											
3-POINT HITCH - REAR												
	(lift capacity per OECD: 24 inch / 610 mm behind the coupler) Electrohydraulic sensing											
Category 3/3N w/ Quick-Coupler	Standard: 15,200 lb (6895 kg)		NA									
Category 3/3N w/ Quick-Coupler	Available: 18,500 lb (8391 kg)		NA									
Category 4N/3 w/ Quick-Coupler	Available: 15,200 lb (6894.5 kg)											
Category 4N/3 w/ Quick-Coupler	Available: 20,000 lb (9072 kg) [requires 120mm dia axle]		Standard: 20,000 lb (9072 kg) [requires 120mm dia axle]									
Category 3/3N w/ hook ends (sway blocks)	Available: 15,200 lb (6893 kg)		NA									
Category 3/3N w/ hook ends (sway blocks or deluxe stabilizers)	Available: 18,000 lb (8165 kg)		NA									
Category 4N/3 w/ hook ends (sway blocks or deluxe stabilizers)	Available: 19,841 lb (9000 kg) [requires 120mm dia axle]											
DRAWBAR												
Category 3	4050 lb (1837 kg) - 6000 lb (2700 kg) maximum vertical load dependent on drawbar position		NA									
Category 4	4950 lb (2245 kg) maximum vertical load											
Cat 4 w/HD support	11,000 lb (4990 kg) maximum vertical load											
REAR POWER TAKE OFF (PTO)												
	Independent, electrohydraulic switched via oil-cooled multi-disc clutch											
1.75 in, (45 mm), 20 spline, 1,000 rpm	Standard											
1.75 in, (45 mm), 20 spline, 1,000 rpm; capable of 1.375 in (35 mm) 540/1000 rpm	Available				NA							
1.75 in, (45 mm), 20 spline, 1,000 rpm / 1,000E rpm	Available											
CAPACITIES												
Fuel tank	192 gal (727 L), w/ CTIS 172 gal (651 L)				192 gal (727 L), w/ CTIS or EVT 172 gal (651 L)							
DEF tank	9.8 gal (37.2 L)											
WHEELBASE												
1300 Series MFWD / 1500 Series MFWD & ILS	121.3 in (3080 mm) / 120.1 in (3050 mm)		NA / 120.1 in (3050 mm)									
MFWD / ILS axle clearance	27 in (686 mm) / 23.2 in (590 mm)											
AVERAGE BASE WEIGHT												
IVT, ILS, 420/85R34 front tires, 480/80R50 rear tires, dual pumps, 6 SCVs, PTO, CAT4 hitch, HD drawbar, shipping fuel	27,800 lb (12600 kg)											
e23, ILS, 600/70R30 front tires, 710/70R42 rear tires, dual pumps, 6 SCVs, PTO, CAT4 hitch, HD drawbar, shipping fuel	28,000 lb (12700 kg)											
16spd, 1500 MFWD, 380/80R38 front tires, 480/80R50 rear tires, single pump, 4 SCVs, PTO, CAT3 hitch, std. drawbar, shipping fuel	25,200 lb (11400 kg)			NA								
WEIGHT CAPACITIES												
Max ballast level	44,100 lb (20003 kg) - see OM for specific ballast instructions											
Max permissible weight	44,100 lb (20003 kg) - see OM for specific ballast instructions											

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** Base tractor configuration on level ground, with specified tires groups above at mfg recommendation for tire pressure. erpm, are load dependent.

† PTO power for IVT models. Does not include available equipment losses. Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations.

8RT TRACTORS SPECIFICATIONS

POWER	8RT 310	8RT 340	8RT 370	8RT 410
Rated PTO power (hp SAE) at rated engine speed†	246 hp (183 kW)	273 hp (203 kW)	300 hp (223 kW)	300 hp (223 kW)
Rated engine power PS (hp ISO) at rated engine speed (ECE-R120)*	310 hp (228 kW)	340 hp (250 kW)	370 hp (272 kW)	410 hp (302 kW)
Max engine power PS (hp ISO) at max engine power speed (ECE-R120)*	341 hp (251 kW)	374 hp (275 kW)	407 hp (299 kW)	443 hp (326 kW)
Intelligent Power Management (Available)	35 additional engine horsepower PS (hp ISO) at 2,100 RPM (rated speed)			
Max engine power PS (hp ISO) with boost at max engine power speed (ECE-R120)*	357 hp (263 kW)	388 hp (289 kW)	420 hp (313 kW)	458 hp (342 kW)
PTO torque rise	40%			
PTO power bulge	10%			
ENGINE				
Manufacturer (US EPA Final Tier 4)	JD9 (B30 diesel compatible)			
Rated speed	2,100 rpm			
Aspiration	Single turbocharger, variable geometry turbo		Dual turbochargers, variable geometry turbo with fixed geometry turbo in series	
Displacement	549 cu in (9.0L)			
TRANSMISSIONS				
e23 PowerShift 40K, 25 mph (40 km/h)	Standard			
Infinitely Variable Transmission (IVT™) 40km/h, (25 mph)	Available		NA	
Electric Variable Transmission (EVT) 40km/h, (25 mph)	NA		Available	
ELECTRICAL SYSTEM				
Alternator/Battery	Standard: 250 amps / 12 volt, Available: 330 amps / 12 volt			
Total cold cranking amps	1850 (2-925 CCA grp 31 batteries)			
REAR AXLES				
Tread spacing, standard	72 - 120 in (1829 - 3048 mm)			
Tread spacing, available	112 - 160 in (2845 - 4064 mm)			
Drive type	Friction			
Track width	16.5 in (419 mm), 18 in (457 mm), 24 in (609 mm), 25 in (635 mm), 30 in (762 mm)			
HYDRAULIC SYSTEM				
Closed-center, pressure/flow compensated system with load sensing				
Rear selective control valves with 1/2 in ISO couplers	Standard: 5; Available: 4 - 6			
Rated flow, 85cc pump	60 gpm (227 lpm)			
3-POINT HITCH - REAR Lift capacity per OECD: 24 inch / 610 mm behind the coupler				
Category 4N/3 with Quik-Coupler and sway blocks	Available: 15,200 lb (6894.5 kg)			
Category 4N/3 with Quik-Coupler and sway blocks	Standard: 20,000 lb (9072 kg)			
DRAWBAR				
Cat 4	Available: 4950 lb (2245 kg) maximum vertical load			
Cat 4 w/ HD support	Standard: 11,000 lb (4990 kg) maximum vertical load			
REAR POWER TAKE OFF (PTO)				
Independent, electrohydraulic switched via oil-cooled multi disk clutch				
1.75 in (45 mm), 20 spline, 1,000 rpm	Standard			
CAPACITIES				
Fuel tank	202 gal (764 L)			
DEF tank	8.3 gal (31.3 L)			
WHEELBASE				
Description	97.5 in (2477 mm)			
AVERAGE BASE WEIGHT				
e23, 30 in tracks, 5 SCVs, CAT4 hitch, HD drawbar, shipping fuel	36,500 lb (16,600 kg)			
IVT, 18 in tracks, 5 SCVs, CAT4 hitch, HD drawbar, shipping fuel	35,850 lb (16,200 kg)			
WEIGHT CAPACITIES				
Max Ballast	39,000 lb (17,700 kg)			

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* John Deere Standard RES10080, SAE Standards J1995.

† PTO power for IVT models. Does not include available equipment losses. Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations.

8RX TRACTORS SPECIFICATIONS

POWER	8RX 310	8RX 340	8RX 370	8RX 410
Rated PTO power (hp SAE) at rated engine speed†	257 hp (191 kW)	284 hp (211 kW)	310 hp (231 kW)	310 hp (231 kW)
Rated engine power PS (hp ISO) at rated engine speed (ECE-R120)*	310 hp (228 kW)	340 hp (250 kW)	370 hp (272 kW)	410 hp (302 kW)
Max engine power PS (hp ISO) at max engine power speed (ECE-R120)*	341 hp (251 kW)	374 hp (275 kW)	407 hp (299 kW)	443 hp (326 kW)
Intelligent Power Management (Available)	35 additional engine horsepower (26 kW) PS (hp ISO) at 2,100 RPM (rated speed)			
Max engine power PS (hp ISO) with boost at max engine power speed (ECE-R120)*	357 hp (263 kW)	388 hp (285 kW)	420 hp (309 kW)	458 hp (337 kW)
PTO torque rise	40%			
PTO power bulge	10%			
ENGINE				
Manufacturer (US EPA Final Tier 4)	JD9 (B30 diesel compatible)			
Rated speed	2,100 rpm			
Aspiration	Single turbocharger, variable geometry turbo		Dual turbochargers, variable geometry turbo with fixed geometry turbo in series	
Displacement	549 cu in (9.0L)			
TRANSMISSIONS				
e23™ PowerShift 40K, 25 mph (40 km/h)	Standard			
Infinitely Variable Transmission (IVT™) 25 mph (40 km/h)	Available		NA	
Electric Variable Transmission (EVT) 25 mph (40km/h)	NA		Available	
ELECTRICAL SYSTEM				
Alternator/Battery	Standard: 250 amps / 12 volt, Available: 330 amps / 12 volt			
Total cold cranking amps	1900 (2-950 CCA grp 31 batteries)			
REAR AXLES				
Tread spacing	Factory: 76 in (1930 mm), 80 in (2032 mm), 88 in (2235 mm), 120 in (3048 mm) Aftermarket: 132 in (3353 mm), 136 in (3454 mm), 144 in (3658 mm), 152 in (3860 mm)			
Drive type	Positive			
Track width	16.5 in (419 mm), 18 in (457 mm), 24 in (610 mm), 30 in (762 mm)			
FRONT AXLE				
	1700 Series MFW			
Tread spacing	Factory: 76 in (1930 mm), 80 in (2032 mm), 88 in (2235 mm), 120 in (3048 mm) Aftermarket: 132 in (3353 mm), 136 in (3454 mm), 144 in (3658 mm), 152 in (3860 mm)			
Drive type	Positive			
Track width	16.5 in (419 mm), 18 in (457 mm), 24 in (610 mm)			
HYDRAULIC SYSTEM				
	Closed-center, pressure/flow compensated system with load sensing			
Rear selective control valves with ½ in ISO couplers	Standard: 5, Available 4 or 6			
Rated flow, single pump 85cc	60 gpm (227 lpm)			
Rated flow, dual pump 85cc plus 35cc	84 gpm (318 lpm)			
3-POINT HITCH - REAR Lift capacity per OECD: 24 inch / 610 mm behind the coupler			Electrohydraulic sensing	
Category 4N/3 with Quik-Coupler and sway blocks	Available: 15,200 lb (6894.5 kg)			
Category 4N/3 with Quik-Coupler and sway blocks	Standard: 20,000 lb (9072 kg)			
Category 4N/3 with hook ends (sway blocks or deluxe stabilizers)	Available: 19,841 lb (9000 kg)			
DRAWBAR				
Category 4	Available: 4,950 lb (2,245 kg) maximum vertical load			
Category 4 w/HD Support	Standard: 11,000 lb (4,990 kg) maximum vertical load			
REAR POWER TAKE OFF (PTO)				
Independent, electrohydraulic switched via oil-cooled multi disk clutch				
1.75 in (45 mm), 20 spline, 1,000 rpm	Standard			
1.75 in (45 mm), 20 spline, 1,000 rpm; capable of 1.375 in (35 mm) 540/1000 rpm	Available		NA	
1.75 in (45 mm), 20 spline, 1,000 rpm / 1,000E rpm	Available			
CAPACITIES				
Fuel tank	244 gal (924 L)		e23 924 L (244 gal), w/EVT 829 L (219 gal)	
DEF tank	9.8 gal (37 L)			
WHEELBASE				
MFW	127.36 in (3235 mm)			
AVERAGE BASE WEIGHT				
e23, 24in front, 30in rear, 88in spacing, dual pumps, 5 SCVs, PTO, CAT4 hitch, HD drawbar, shipping fuel	41,600 lb (18900 kg)			
IVT, 18in front, 18in rear, 120in spacing, dual pumps, 5 SCVs, PTO, CAT4 hitch, HD drawbar, shipping fuel	43,000 lb (19500 kg)			
WEIGHT CAPACITIES				
Max ballast level	44,100 lb (20000 kg) - see OM for specific ballast instructions			
Max permissible weight	53,000 lb (24040 kg) - see OM for specific ballast instructions			
ExactRate™ TRACTOR TANKS				
Tank capacity (total fluid)	NA		1000 gal (3,785 L)	

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