8 Series Tractors

230-410 Engine Horsepower

JOHN DEERE



8RX Tractors with ExactRate™ Tanks

TAKE THE NEXT LEAP FORWARD

At John Deere, we've cultivated more than 100 years of tractor expertise in the pursuit of progress for farmers of all kinds. And it's all led to this — the 8 Series Tractors available in three configurations — wheels, two-tracks and the game-changing four-track 8RX with exceptional traction and flotation. All with the most spacious and comfortable cab we've ever offered.

Now 8 Series Tractors precision ag offerings take a leap forward with G5^{Plus} display, StarFire™ integrated receiver, cornerpost display and more. The brighter, crisper displays and added processing power of the G5^{Plus} make applications you already use run even better. Like AutoTrac™ Turn Automation, which lets you execute end rows easily and have a stress-free day in the cab. AutoPath™ puts your secondary pass guidance lines where you want them, so you don't have to count rows or harvest a row of shame. With the new G5^{Plus} display, you'll get 35% more screen space to add additional maps and widgets, 3x faster processing for quicker boot times[1] and clear 1080p HD resolution. It's all easier with the G5^{Plus}.

Be prepared to enable high-speed data flow between the tractor and implement, once implement ethernet becomes available on planters and other implements. This will allow you to see more of your implement data in better quality than ever before.

In addition, you'll get more row spacing options on the 8RX, John Deere Central Tyre Inflation System (CTIS) on the 8R, rear window tint and more. All this on the 8 Series Tractors you love with power from 230 to 410 hp and the comfort of multiple cab options.

New technologies like the G5^{Plus}, integrated StarFire Receiver, implement ethernet and more help pave the path for you to adopt autonomy in the future.*



1 Compared with previous model.
* Additional hardware will be needed in the future to be fully autonomous.



4-5 8R Tractors
More horsepower options. More cab space. With more updates now available, see what you can accomplish in the 8R Tractor.

6-7 8RX Tractors
It's the only fixed-frame, four-track, row-crop tractor on the market. It's a bold leap forward, and it's got all the power, efficiency and comfort you could want. Plus additional track spacing options for those high-value specialty crops. It's the 8RX.

8-9 8RT Tractors
Experience straight-line pulling power plus the traction and flotation to handle your biggest jobs. You want excellent field efficiency and comfort? Then you need the two-track 8RT.

10-15 Cab Comfort
More headroom, more storage, more USB ports. More everything, really. We've gone all out to bring comfort and convenience to the 8 Series cab. See which package is right for you.

16-17 Visibility Packages
Sometimes the daytime hours just aren't enough. Fortunately, the visibility packages available with the 8 Series Tractors will have you seeing just fine, no matter the time.

18-19 Power and Efficiency
Looking for uncompromised performance? You'll find it in the 8 Series, and especially in your engine and transmission. Get ready to experience the power of choice.

20-21 Precision Ag Technology
The 8 Series Tractors are more connected than ever to help you make the best decisions for your operation. Learn about the services available in these technology-enabled machines.

22-23 Connected Support
You work hard to avoid downtime. With John Deere Connected Support™, your dealer can view your data and troubleshoot problems remotely to keep you running without a hitch.

24-25 Parts and Attachments
Add more to your 8 Series Tractor with John Deere attachments.

26-31 Specifications
Each 8 Series model was designed with clear intention. Learn what our tractors are made of and decide which will best serve your operation.

32 Dealer Support
John Deere is supported by one of the most responsive dealer networks in the business. Whatever your needs, your dealer knows exactly how to keep you up and running.

THE NEXT LEAP FORWARD

We've taken the most popular row-crop tractors and added more of what you want and need. More power of choice, including higher horsepower models, all powered by the dependable 9.0L engine. Power is delivered through 16-speed PowerShift, e23, IVT or EVT.

You'll see even more capability and reliability. A spacious cab. Exclusive seat with greater comfort and extra swivel. Improved visibility to the ground. LED lighting with 360-degree illumination. Cab suspension system. Sleek and refined cab styling. CommandPRO™ (IVT/EVT only) putting you in total control. Integrated StarFire™ receiver, G5^{Plus} display and improved cornerpost display as well as the latest in precision ag technology. Imagine how much more work you can do in total comfort and style. Discover more in the pages ahead.

Seven models from 230 to 410 engine hp. Find out more at JohnDeere.com.au/8R or JohnDeere.co.nz/8R.



John Deere Central Tyre Inflation System (CTIS)*
Run with the ideal tyre pressure whether you're in the field or on the road with CTIS. Inflate and deflate quickly at 2 PSI per minute from the cab with the press of a button. Lower tyre 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. Increase tyre pressure of transport, allowing you to reduce the contact area, increasing fluid efficiency and reducing tyre wear.

*Only available on Final Tier 4/EU Stage V engine.

IN 8R TRACTORS



8RX Tractors

You're looking at a bold leap forward in the 8 Series: the game-changing 8RX Four-Track Tractors. The only fixed-frame four-track row-crop tractor on the market. With everything you like about the 8R Tractors and inspired by our innovative 9RX 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 4,546 L of liquid capacity and reduced ground pressure without hindering your visibility or path to and from the cab. Together with our planter solution, applying high-rate fertiliser at planting is easier than ever.

You'll experience outstanding pulling power and efficiency, thanks to the John Deere PowerTech™ 9.0L engine and various transmission options, including the all-new Electric Variable Transmission (EVT). We made comfort a top priority with a larger cab and an easy-to-adjust seat with massaging option for a secure ride in tough terrain. Plus, put total machine control in your hand with CommandPRO™ (IVT/EVT only). You'll also get an integrated StarFire™ receiver, G5^{Plus} display and improved cornerpost display as well as the latest in precision ag technology.

Four models from 310 to 410 engine hp.
Find out more at JohnDeere.com.au/8R or JohnDeere.co.nz/8R.

Choose from eight tread settings:

- **193 cm (76 in.)**
- **203 cm (80 in.)**
- **223 cm (88 in.)**
- **305 cm (120 in.)**
- **335 cm (132 in.)**
- **345 cm (136 in.)**
- **366 cm (144 in.)**
- **386 cm (152 in.)**

Four track widths to fit your crop and field conditions:

- **42 cm (16.5 in.)**
- **46 cm (18 in.)**
- **61 cm (24 in.)**
- **76 cm (30 in.)**

THE FUTURE

Wide Row Spacing Options
Get new row spacing options with 335.28 cm (132 in.), 345.44 cm (136 in.), 365.76 cm (144 in.) and 386.1 cm (152 in.) row spacing kits available in all four track widths. ExactRate™ liquid fertiliser system is available on all these configurations.



IS RIGHT ON TRACK: 8RX TRACTORS



8RT Tractors

THE NEXT LEVEL OF TWO-TRACK IS THE 8RT

The next leap forward in two-track tractors is here: the 8RT Tractors. The 8RT delivers the straight-line pulling power and the traction and flotation you need to handle your toughest jobs. Our two-track design reduces ground pressure up to 37% compared to wheel models, reducing soil compaction.

You've asked for straight-line pulling power and efficiency. The 8RT delivers with our John Deere PowerTech™ 9.0L engine and your choice of transmission including the all-new Electric Variable Transmission (EVT). You've asked for greater operator comfort. The 8RT delivers with our most spacious cab, comfortable seat and our exclusive AirCushion™ Suspension and 4-post cab suspension. We know you need greater machine control in one hand, and our CommandPRO™ (IVT or EVT only) delivers. Enjoy an integrated StarFire™ receiver, G5^{Plus} display and improved cornerpost display as well as the latest in precision ag technology.

Four models from 310 to 410 engine hp. Find out more at JohnDeere.com.au/8R or JohnDeere.co.nz/8R.



TRACK TRACTORS:

Tread spacing from 183 – 406 cm (72 – 160 in.) on 41, 45, 61, 63 and 76 cm (16.5, 18, 24, 25 and 30 in.) track widths to fit your job.



8R/8RT/8RX Tractor Comfort and Convenience Packages

CAB SWEET CAB



When the hours are long and the terrain is tough, there's no better place to be than our cab. Your home away from home. Step inside our most spacious cab complete with an updated cornerpost display, digital camera, extra headroom, extra storage capacity, and extra USB ports. Enjoy a cooler cab and better visibility to operator screens with rear window tint on the CommandView™ 4 cab glass. Choose from these options; amenities vary by package. Discover more details at JohnDeere.com.au/8R or JohnDeere.co.nz/8R.

Select

- Cloth seat with mechanical controls and mechanical lumbar support; 8° left-hand and 40° right-hand swivel
- AM/FM/WX radio with auxiliary and Bluetooth inputs; 4 speakers
- 4 USB ports and 12V outlet
- Dual-tilt steering column
- Foot rests

Premium

- Cloth seat with electronic controls and pneumatic lumbar support; 25° left-hand and 40° right-hand swivel
- 16.5 cm (6.5 in.) touchscreen radio, SiriusXM ready; 6 speakers with subwoofer
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- 120/230VAC Power Outlet

Ultimate

- Leather seat with electronic controls, massage and pneumatic lumbar support; 25° left-hand and 40° right-hand swivel; heated and ventilated; adjustable bolsters
- 16.5 cm (6.5 in.) touchscreen radio, SiriusXM ready; 6 speakers with subwoofer
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- Carpeted floor mat
- Leather-wrapped steering wheel
- 120/230VAC Power Outlet



John Deere Signature Edition

Nothing says going all out for your operation's success than treating your field to the best of the best. The John Deere Signature Edition 8 Series Tractor includes the Ultimate Comfort and Convenience package, Ultimate Visibility package, cab suspension or ActiveSeat II and G5 Advanced package.

Ultimate Comfort and Convenience package shown.

8R/8RT/8RX Tractor Cab

OWN THE DAY

Take a seat and get ready to log some serious hours in comfort, style and peak productivity.
A higher backrest and adjustable side bolsters let you sit comfortably within the seat.
Massaging feature helps keep you alert when you're spending long hours in the cab.
And since the seat is heated and ventilated, you'll stay warm or cool depending on the season.
(Available in Ultimate Comfort & Convenience Package only)




Sensitivity
Medium
Resistance
0.0
ON
MENU

ENJOY THE VIEW



The view is amazing from any angle. Look at implements behind you with ease, thanks to three times more swivel to the right compared with previous models. Pneumatic lumbar support and electronic controls let you make adjustments with ease.



8R/8RT/8RX Tractor Visibility Packages

OWN THE NIGHT

There's no better feeling than knowing you've put in a hard day's work. After all, this is no 9-to-5 job. When you've got a job to do, you keep going even when day turns into night.

Take charge of your night when the daytime hours aren't enough. Our lighting packages are a bold leap forward, shedding light on nighttime productivity. Get twice the light when compared to Halogen bulbs for a brighter, 360-degree illumination of the field around you. (Available in Ultimate Visibility Package). Choose from three Visibility Packages to help you make the most of your time, no matter the time; amenities vary by package.



Select	*Premium*	*Ultimate*
• 18 Halogen work lights	• 18 LED work lights	• 22 LED work lights, 8 LED convenience lights
• Mechanical exterior mirrors	• Electronic, heated exterior mirrors	• Electric, heated, power telescoping exterior mirrors
• Front window sunshade	• Front, right-hand, and rear window sunshades	• Front, right-hand, and rear window sunshades
• Front and rear window wipers	• Front, right-hand, and rear window wipers	• Front, right-hand, and rear window wipers
• Camera ready	• Camera ready	• Integrated cameras



Ultimate Visibility package shown. Front ballast shown no longer available. Refer to your local dealer for more information.

SHIFT INTO HIGH GEAR

Power of choice in transmissions. No other manufacturer gives you this many transmission options with different benefits and capabilities. Whether you're looking for simple, reliable mechanical power or you want seamless control of your tractor and implements in the palm of your hand, we have a transmission that best fits your needs.

Electric Variable Transmission (EVT)
Experience everything you appreciate from an IVT with the new Electric Variable Transmission — now available on 8R, 8RT, and 8RX 410 hp tractors. Operating more quietly than an IVT, the EVT offers tremendous longevity, better overall tractor control, along with a system built for easy serviceability and diagnostics.

Infinitely Variable Transmission (IVT™)
Delivering the best in performance and operation, you can smoothly shift up from 40 or 50 km/h and any speed in between, including creeper speeds as low as 50 m (164 ft.) per hour.

e23™ PowerShift Transmission
Pair the benefits of a mechanical transmission with the ease of an Infinitely Variable Transmission 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.





CommandPRO™ on the IVT or EVT models delivers seamless control of your tractor and implements all in the palm of your hand. Move from parked to top speeds with a simple push of a button. Eleven customisable buttons let you match functions to the job, with options to configure various set speeds to keep you in command.

SEE MORE. KNOW MORE. DO MORE.

G5Plus CommandCenter™ Display

Bigger. Faster. Clearer.

Ready to see more? Know more? DO more? The G5Plus CommandCenter Display gives you a bigger picture of your 8R's performance and work in the field.

- 32.5 cm (12.8 in.) touchscreen — 35% larger to make on-the-go infield adjustments easier1
- 3x faster processor … 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 G5Plus 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 ag. Experience the benefits of the larger, faster, and clearer display no matter the job.



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 all the information you need at your fingertips to maximise 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
- Analyse this season's results to improve next season's crops



1 Compared with 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 mobile connection to transfer information from machine to JDLink website. Consult your John Deere Dealer for coverage availability.

G5 Advanced Package

More precision. More automation. More productivity.

Take your in-field productivity and performance to the next level with our optional G5 Advanced Package. It bundles some of Deere's most advanced precision ag tools into one easily renewable 1- or 3-year licence. 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™** — Forget guessing which guidance line to use, even in complex fields. No more counting rows in the field.
- **AutoTrac™ Turn Automation** — Gives you hands-off and stress-free confidence from one pass to the next. Consistently enter each pass square to reduce gaps and rework.
- **AutoTrac™ Implement Guidance** — Precise implement placement keeps spacing accurate, even on side hills or around curves.
- **In-Field Data Sharing** — Day or night, between multiple machines and fields, you can share guidance lines, coverage maps, as-applied pass-to-pass data and field totals … without wasting time on radio chatter.
- **Machine Sync** — On-the-go, stress-free unloading in every condition. Work faster, even with inexperienced grain cart operators.



HERE FOR YOU. HERE FOR YOUR MACHINE.

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 8R Series tractor operating at its best. From PowerGard™ to John Deere Connected Support, we have just what you need to keep running all year long.

POWERGARD

The PowerGard Protection Plan[1] offers valuable extended warranty coverage to protect your new 8R Series tractor from the unexpected and to ensure it's ready when you need it. PowerGard is available when purchased during the initial 24-month basic warranty[2] 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 authorised 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.au/PowerGard or JohnDeere.co.nz/PowerGard.

1 The PowerGard Protection Plan does not cover attachments, maintenance or wear parts, nor other non-covered components specifically mentioned in the contract terms.
2 All new John Deere 8R Series tractors come with a standard basic warranty of 24 months.



CONNECTED SUPPORT

Your 8R Series tractor comes with a JDLink™ connection and, once activated, your John Deere dealer can offer Connected Support services. With your permission, your dealer can "dial in" to your tractor's diagnostic data and assess trouble codes to help you avoid downtime.

Service Advisor™ Remote
Allows your dealer to remotely analyse Diagnostic Trouble Codes in near real time so technicians arrive on-site with the right parts and the right tools to quickly repair your tractor.

Expert Alerts
An industry exclusive, Expert Alerts is a proactive monitoring system that notifies dealers of potential tractor issues. This allows technicians to remotely diagnose issues 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 tractor performance.

Learn more at JohnDeere.com.au/ConnectedSupport or JohnDeere.co.nz/ConnectedSupport.

EXPERIENCE THE JOHN DEERE DIFFERENCE

From the person at the parts counter to the technician inspecting your machine, your John Deere dealer team is trained to know the ins and outs of your new 8R Series Tractor. It's an important piece of the John Deere Difference, but not the only one.

You'll notice others whenever you connect with your dealer. Like when you walk out the door with the right part, attachment or performance upgrade that meets both your expectations and your budget. Or when you get questions answered remotely while you keep working in the field.

But the John Deere Difference goes even further by offering:

- Genuine John Deere Parts, Reman and A&I Products
- 12-months limited parts and labour warranty[1]
- Multiple financing options

With all that, you can be confident that your local John Deere dealer has you covered season after season.



1 12-month limited warranty on new OEM, Reman and A&I agricultural parts purchased from an authorised John Deere dealer. See John Deere Limited Parts Warranty at JohnDeere.com.au or JohnDeere.co.nz for details.



MOUNTING POWER STRIP

Install a convenient power source to the interior of your tractor cab. Lets you plug in displays, monitors and other electronic devices.

RE596958: Mounting Power Strip (6 outlets)
BRE10575: Short Vertical Mounting Rail



REAR MID-BODY LED LIGHT KIT

Work into the wee hours of the night or well before the sun rises with LED lights. Kit provides easy installation at rear cab corners of your tractor. No software required.

BRE10446: Rear Mid-Body LED Kit (4 lights)



SCV COUPLER KITS

Boost the hydraulic capacity on your tractor by upgrading 127 mm (1/2 in.) standard flow SCV to a 190 mm (3/4 in.) high-flow SCV. Only 1 x 190 mm (3/4 in.) SCV is compatible per tractor.

BRE10107: 190 mm (3/4 in.) Coupler Kit (1 SCV)



SPACING KITS

Adjust the front and rear track spacing of an 8RX Tractor to meet the needs of crop production with these fixed spacing kit options. These kits allow operators to reconfigure to the desired measurement.

BXX10970: 3657 mm (144 in.) spacing, front axle kit.

BXX10912: 3657 mm (144 in.) spacing, rear axle kit.

Additional spacing kits from 1930–3860 mm (76 – 152 in.) are available.

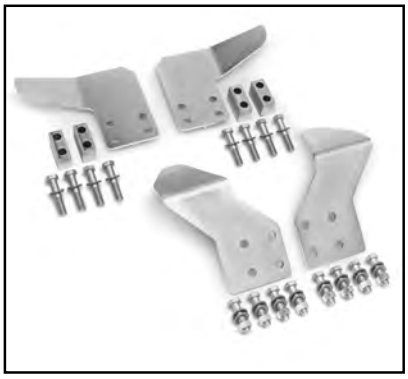


EXACTRATE™ TRACTOR TANK KIT

You can cover more hectares, between fills, with our industry exclusive 1000-gallon fertiliser tanks for field install on MY20-current 8RX tractors.

BRE10587: ExactRate Tank Kit*
BRE10510: Front Fill Connection Kit (Optional)

**Additional Parts Required to Complete Installation.*



DEBRIS MANAGEMENT KITS

Add mileage to your 8RX track belts with debris management kits. Help belts last a lot longer by mitigating harmful debris buildup.

BRE10407: Idler Debris Deflection Shield Kit
BRE10358: Driver Sprocket Debris Management Kit

Specifications 8R Tractors

POWER	8R 230	8R 250	8R 280	8R 310	8R 340	8R 370	8R 410
Rated PTO power (hp SAE) at rated engine speed†	182 hp (135 kW)	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)*	230 hp (169 kW)	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)*	253 hp (186 kW)	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 only on Final Tier 4)	35 additional engine horsepower PS (hp ISO) at 2,100 rpm (rated speed)						
PTO torque rise	40%						
PTO power bulge	10%						
ENGINE							
Manufacturer (US EPA Final Tier 3 and Tier 4)	John Deere PowerTech™ 9.0L						
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 (self priming)	Electronically controlled, high-pressure common rail with electric fuel transfer pump						
Required fuel type	Final Tier 4: Ultra low sulfur diesel (B20 diesel compatible) Tier 3: 50 PPM sulfur fuel (B20 max diesel compatible)						
TRANSMISSIONS							
16-speed PowerShift; 16F, 5R** with APS (Auto Power Shift.)	Available (Forward: 40 km/h @ 1952 erpm, with group 49 tyres, 40 km/h @ 2057 erpm, with group 48 tyres, 40 km/h @ 2168 erpm, with group 47 tyres Reverse: 15.2 – 16.9 km/h)b, c**				NA		
e23 PowerShift 40K, 26 mph (40 km/h)	Standard (Forward: 40 km/h @ 1339 ECO erpm, with group 49 tyres, 40 km/h @ 1412 ECO erpm, with group 48 tyres, 40 km/h @ 1488 ECO rpm with group 47 tyres Reverse: 30 km/h)c**						
e23 PowerShift 50K, 31 mph (50 km/h)	Available (Forward: 50 km/h @ 1674 ECO erpm, with group 49 tyres, 50 km/h @ 1765 ECO erpm, with group 48 tyres, 50 km/h @ 1859 ECO rpm with group 47 tyres Reverse: 30 km/h)c**						
John Deere Infinitely Variable Transmission (IVT™) , 26 mph (40 km/h)	Available (Forward: 0.05 – 40 km/h, 40 km/h @ 1292 ECO erpm, with group 49 tyres, 40km/h @ 1360 ECO erpm, with group 48 tyres, 40 km/h @ 1433 ECO rpm with group 47 tyres Reverse: 0.05 – 30 km/h)c**						NA
John Deere Infinitely Variable Transmission (IVT) , 31mph (50 km/h)	Available (Forward: 0.05 – 50 km/h, 50 km/h @ 1615 ECO erpm, with group 49 tyres, 50 km/h @ 1700 ECO erpm, with group 48 tyres, 50 km/h @ 1791 ECO rpm with group 47 tyres Reverse: 0.05 – 30 km/h)c**						NA
Electric Variable Transmission (EVT) 26mph (40km/h)	NA						Available (Forward: 0.05 – 40 km/h, 40 km/h @ 1148 ECO erpm, w/ group 49 tyres, 40 km/h @ 1148 ECO erpm, w/ group 48 tyres Reverse: 0.05 – 30 km/h)c**
Electric Variable Transmission (EVT) 31mph (50km/h)	NA						Available (Forward: 0.05 – 50 km/h, 50 km/h @ 1410 ECO erpm, w/ group 49 tyres, 50 km/h @ 1524 ECO erpm, w/ group 48 tyres Reverse: 0.05 – 30 km/h)c**
ELECTRICAL SYSTEM	Two batteries in parallel						
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							
110 x 3010 mm diameter (4.33 x 118.5 in.), single taper hub	Standard			NA			
110 x 3010 mm diameter (4.33 x 118.5 in.), dual taper hub	Available			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-centre, pressure/flow compensated system with load sensing						
Rear selective control valves with 1/2 in ISO couplers	Standard: 4; Available: 5 – 6						
Rear selective control valves with 3/4 in and 1/2 in ISO couplers	Available: 5 (SCV 1: 3/4 in. coupler, SCV 2 – 5: 1/2 in. couplers)						
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 (6893 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 stabilisers)	Available: 20,000 lb (9072 kg)			NA			
Category 4N/3 w/ hook ends (sway blocks or deluxe stabilisers)	Available: 19,841 lb (9000 kg) [requires 120mm dia axle]						
DRAWBAR							
Category 3	4,050 lb (1837 kg) – 6,000 lb (2700 kg) maximum vertical load dependent on drawbar position			NA			
Category 4	4,950 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						
1-3/4 in., 20-spline, 1,000-rpm	Standard						
1-3/4 in., 20-spline, 1,000-rpm; capable of 1-3/8 in 540/1000 rpm	Available					NA	
1-3/4 in., 20 spline, 1,000-rpm / 1,000E RPM	Available						



CAPACITIES			
Fuel tank	192 gal (727 L), w/ CTIS 172 gal (651 L)		727 L (192 gal) , w/ CTIS 651 L (172gal) w/ EVT 651 L (172 gal)
DEF tank	9.8 gal (37.2 L)		
WHEELBASE			
1300 Series MFWD / 1500 Series MFWD & ILS	121.3 in (3080 mm) / 120 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 tyres, 480/80R50 rear tyres, dual pumps, 6 SCVs, PTO, CAT4 hitch, HD drawbar, shipping fuel	27,800 lb (12600 kg)		
e23, ILS, 600/70R30 front tyres, 710/70R42 rear tyres, dual pumps, 6 SCVs, PTO, CAT4 hitch, HD drawbar, shipping fuel	28,000 lb (12700 kg)		
16spd, 1500 MFWD, 380/80R38 front tyres, 480/80R50 rear tyres, 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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** John Deere Standard RES10080, SAE Standards J1995.*
*** Base tractor configuration on level ground, with specified tyres groups above at mfg recommendation for tyre 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.

Specifications 8RT Tractors

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 only on Final Tier 4)	35 additional engine horsepower PS (hp ISO) at 2,100 RPM (rated speed)			
PTO torque rise	40%			
PTO power bulge	10%			
ENGINE				
Manufacturer (US EPA Final Tier 3 and Tier 4)	John Deere PowerTech™ 9.0L			
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, 26 mph (40 km/h) with Efficiency Manager™	Standard			
Infinitely Variable Transmission (IVT™) 26 mph (40 km/h)	Available			NA
Electric Variable Transmission (EVT) 26mph (40km/h)	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-centre pressure/flow compensated system with load sensing			
Rear selective control valves with $^{1}/_{2}$ in. ISO couplers	Standard: 4; Available: 5 – 6			
Rear selective control valves with $^{3}/_{4}$ in. and $^{1}/_{2}$ in ISO couplers	Available: 5 (SCV 1: $^{3}/_{4}$ in. coupler, SCV 2 – 5: $^{1}/_{2}$ in. couplers)			
Rated flow, 85 cc pump	60 gpm (227 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 kg)			
Category 4N/3 with Quik-Coupler and sway blocks	Standard: 20,000 lb (9072 kg)			
DRAWBAR				
Cat 4	Available: 4,950 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-$^{3}/_{4}$ 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 (16600 kg)			
VT, 18 in tracks, 5 SCVs, CAT4 hitch, HD drawbar, shipping fuel	35,850 lb (16200 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.





Specifications 8RX Tractors

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 PS (hp ISO) at 2,100 RPM (rated speed)			
PTO torque rise	40%			
Engine power bulge*	10%			
ENGINE				
Manufacturer (US EPA Final Tier 3 and Tier 4)	John Deere PowerTech™ 9.0L			
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, 26 mph (40 km/h) with Efficiency Manager™	Standard			
Infinitely Variable Transmission (IVT™) 26 mph (40 km/h)	Available			NA
Electric Variable Transmission (EVT) 26mph (40km/h)	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	Flange axle			
Tread spacing	76 in (1930.4 mm), 80 in (2032 mm), 88 in (2235 mm), 120 in (3048 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 MFWD - tread spacing	76 in (1930.4 mm), 80 in (2032 mm), 88 in (2235 mm), 120 in (3048 mm), 132 in (335 cm), 136 in (345 cm), 144 in (365 cm), 152 in (386 cm) kits available			
Drive type	Positive			
Track width	16.5 in (419 mm), 18 in (457 mm), 24 in (610 mm), 30 in (762 mm)			
HYDRAULIC SYSTEM	Closed-centre, pressure/flow compensated system with load sensing			
Rear selective control valves with 1/2 in ISO couplers	Standard: 4; Available: 5 – 6			
Rear selective control valves with 3/4 in and 1/2 in ISO couplers	Available: 5 (SCV 1: 3/4 in. coupler, SCV 2 – 5: 1/2 in. couplers)			
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 kg)			
Category 4N/3 with Quik-Coupler and sway blocks	Standard: 20,000 lb (9072 kg)			
Category 4N/3 with hook ends (deluxe stabilisers)	Available: 19,841 lb (9000 kg)			
DRAWBAR				
Category 4	Available: 4,950 lb (2245 kg) maximum vertical load			
Category 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			
1-3/4 in (45 mm), 20-spline, 1,000-rpm	Standard			
1-3/4 in, 20-spline, 1,000-rpm; capable of 1-3/8 in 540/1000 rpm	Available		NA	
1-3/4 in, 20-spline, 1,000-rpm / 1,000 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 (37.2 L)			
WHEELBASE				
MFWD	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 (3785 L)		

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Front ballast shown no longer available. Refer to your local dealer for more information.

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