

8 SERIES TRACTORS

230-410 Engine Horsepower



JOHN DEERE



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 times¹ 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 Tire 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. The Autonomy Prep option equips your tractor with hardware components needed to operate autonomously in the future. New technologies like the G5^{Plus}, StarFire™ Receiver, implement ethernet and more help pave the path for you to adopt autonomy. Autonomy Prep option equips your tractor with hardware components needed to operate autonomously in the future.*

*Additional hardware will be needed in the future to be fully autonomous.

¹Compared with previous model.





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 what 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 in North America 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/8R or JohnDeere.ca/8R.



John Deere Central Tire Inflation System (CTIS)

Run with the ideal tire 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 tire pressure increases your footprint by 25 percent, reducing slip in the field by 2 to 4 percent. This lets you boost field productivity by 6 percent while reducing compaction and smearing. Increase tire pressure of transport, allowing you to reduce the contact area, increasing fluid efficiency and reducing tire wear.

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 1,000 gallons 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 fertilizer 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/8R or JohnDeere.ca/8R.

Choose from eight tread settings:

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

Four track widths to fit your crop and field conditions:

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

THE FUTURE

Wide Row Spacing Options

Get new row spacing options with 132-inch, 136-inch, 144-inch and 152-inch row spacing kits available in all four track widths. ExactRate™ liquid fertilizer system is available on all these configurations.



IS RIGHT ON TRACK: 8RX TRACTORS



8RT Tractors

THE NEXT LEVEL OF TWO- 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 percent 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/8R or JohnDeere.ca/8R.



TRACK TRACTORS:

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



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/8R or JohnDeere.ca/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
- Business-band ready
- 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
- 6.5-inch (16.5 cm) touchscreen radio, SiriusXM ready; 6 speakers with subwoofer
- Business-band ready
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- 120V 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
- 6.5-inch (16.5 cm) touchscreen radio, SiriusXM ready; 6 speakers with subwoofer
- Business-band ready
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- Carpeted floor mat
- Leather-wrapped steering wheel
- 120V 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)





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.



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 ● Mechanical exterior mirrors ● Front window sunshade ● Front and rear window wipers ● Camera ready	● 18 LED work lights ● Electronic, heated exterior mirrors ● Front, right-hand, and rear window sunshades ● Front, right-hand, and rear window wipers ● Camera ready	● 22 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



Ultimate Visibility package shown.

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 0 to 26 or 31 mph (40 or 50 km/h) and any speed in between, including creeper speeds as low as 164 feet (50 m) 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 customizable 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.

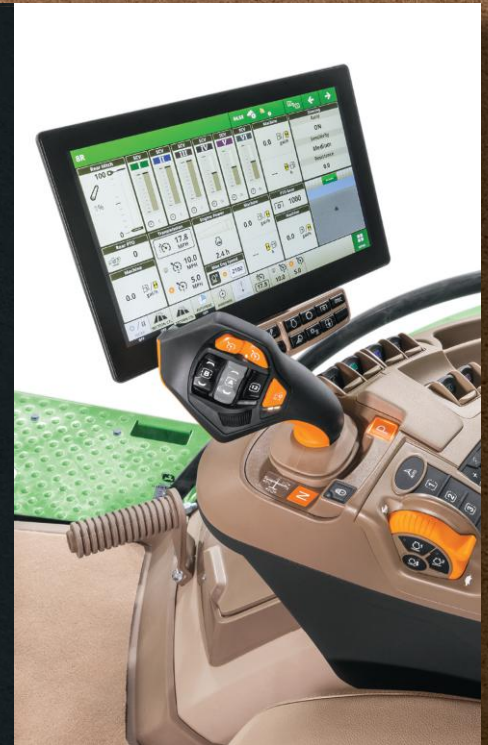
G5^{Plus} CommandCenter™ Display

Bigger. Faster. Clearer.

Ready to see more? Know more? DO more? The G5^{Plus} CommandCenter™ Display gives you a bigger picture of your 8R's performance and work in the field.

- 12.8-inch 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 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 ag. Experience the benefits of the larger, faster, and clearer display no matter the job.



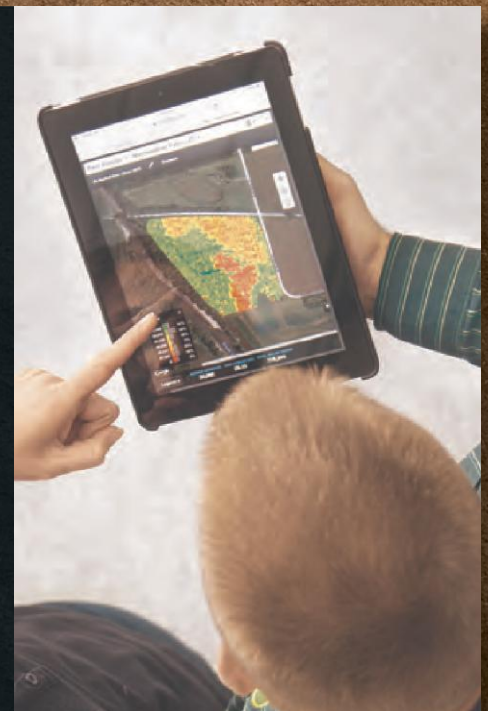
John Deere Operations Center™ :

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 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 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 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 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™ – 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™ 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 8R Series tractor from the unexpected and to ensure it's ready when you need it. PowerGard is available when purchased during the initial 12-month basic warranty² 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 Plus Plan is designed to help you maintain original performance and uptime of your new John Deere 8R Series tractor for the first 36 months/1,500 or 3,000 engine hours (with no deductible³ and no additional charges). You can buy the plan when purchased in conjunction with a PowerGard™ Comprehensive Protection Plan⁴.

The John Deere Protect Maintenance Plus Plan⁵ includes:

- **3 Annual Expert Inspections**
- **3 or 6 Scheduled Maintenance Events**
- **24-Hour Uptime Assurance⁶**

The three end-of-season expert inspections evaluate all critical areas of your 8R Series tractor and identify potential problems to prevent downtime; while the three or six scheduled preventive maintenance events keep the machine properly maintained for upcoming field work.

24-hour uptime assurance enables you to keep working if your 8R Series tractor cannot be repaired within 24 hours.

Learn more at JohnDeere.com or JohnDeere.ca.

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 12 months.

³ PowerGard deductible applies to any failures under PowerGard coverage.

⁴ PowerGard Comprehensive Protection Plan with a minimum term of 36 months/1,500 or 3,000 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.

⁵ For complete plan details, contact a participating dealer near you.

⁶ Subject to machine availability, a rental machine will be provided while yours is being repaired.

⁷ JDLink requires a cellular connection to transfer information from machine to JDLink website. Connectivity service is subject to country availability. Consult your John Deere Dealer for coverage availability.

A man wearing a black John Deere baseball cap and a blue polo shirt with horizontal stripes is leaning against a green tractor. He is looking off to the side with a slight smile. The background is a blurred outdoor setting with other tractors.

CONNECTED SUPPORT

Your 8R Series tractor comes with a JDLink™⁷ 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 analyze Diagnostic Trouble Codes in near real time so technicians arrive on-site with the right parts and the right tools to quickly repair your 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/ConnectedSupport or JohnDeere.ca/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 labor warranty¹
- Multiple financing options²

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



¹12 month/unlimited hour warranty on most new John Deere agricultural parts when installed by an authorized John Deere Dealer. 6 month/unlimited hour warranty for most new John Deere agricultural and turf equipment parts. See John Deere Service Parts Warranty US & Canada and participating dealers for more details. Most A&I/Sunbelt parts carry a 1-year warranty. Some exclusions apply. See your participating A&I re-seller or John Deere Dealer for more details.

²Financing on approved John Deere Financial credit only. Contact your Multi-Use Account merchant or dealer for complete 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 1/2" standard flow SCV to a 3/4" high-flow SCV. Only 1 3/4" SCV is compatible per tractor.

BRE10107: 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 76" up to 152" are available.



EXACTRATE™ TRACTOR TANK KIT

You can cover more acres, between fills, with our industry exclusive 1000-gallon fertilizer 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)	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 4)	John Deere PowerTech™ 9.0L (B20 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							
Required fuel type	Ultra low sulfur diesel (B20 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/b, c**) NA						
e23 PowerShift 40K, 26 mph (40 km/h)	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**) NA						
e23 PowerShift 50K, 31 mph (50 km/h)	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**) NA						
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 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*), 31mph (50 km/h)	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) 26mph (40km/h)	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**) NA
Electric Variable Transmission (EVT) 31mph (50km/h)	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**) NA
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-center, pressure/flow compensated system with load sensing							
Rear selective control valves with ½ in ISO couplers	Standard: 4; Available: 5 - 6						
Rear selective control valves with ¾ in and ½ in ISO couplers	Available: 5 (ISCV 1: ¾ in coupler, SCV 2-5: ½ 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 stabilizers)	Available: 20,000 lb (9072 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	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							
1-¾ in, 20-spline, 1,000-rpm				Standard			
1-¾ in, 20-spline, 1,000-rpm; capable of 1-¾ in 540/1000 rpm				Available		NA	
1-¾ 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 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						

Specifications and design subject to change without notice. See JohnDeere.com for full listing of specifications. Pre-production models shown.

* John Deere Standard RES10080, SAE Standards J1995.

** 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.



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)	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 4)	John Deere PowerTech™ 9.0L (B20 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, 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-center, pressure/flow compensated system with load sensing			
Rear selective control valves with ½ in ISO couplers	Standard: 4; Available: 5 - 6			
Rear selective control valves with ¾ in and ½ in ISO couplers	Available: 5 (SCV1: ¾ in coupler, SCV 2-5: ½ in couplers)			
Rated flow, 85cc 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			
1-¾ 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%			8%
ENGINE				
Manufacturer (US EPA Final Tier 4)	John Deere PowerTech™ 9.0L (B20 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, 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-center, pressure/flow compensated system with load sensing			
Rear selective control valves with ½ in ISO couplers	Standard: 4; Available: 5 - 6			
Rear selective control valves with ¾ in and ½ in ISO couplers	Available: 5 (SCV1: ¾ in coupler, SCV 2-5: ½ 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	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 stabilizers)	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			
1-¾ in (45 mm), 20-spline, 1,000-rpm	Standard			
1-¾ in, 20-spline, 1,000-rpm; capable of 1-⅝ in 540/1000 rpm	Available			NA
1-¾ in, 20-spline, 1,000-rpm / 1,000 RPM	Available			
CAPACITIES				
Fuel tank	244 gal (924 L)			e23 924 L (244 gall), 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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