

8R/8RT Series

Model Year 2012, 235- to 360-Horsepower Tractors



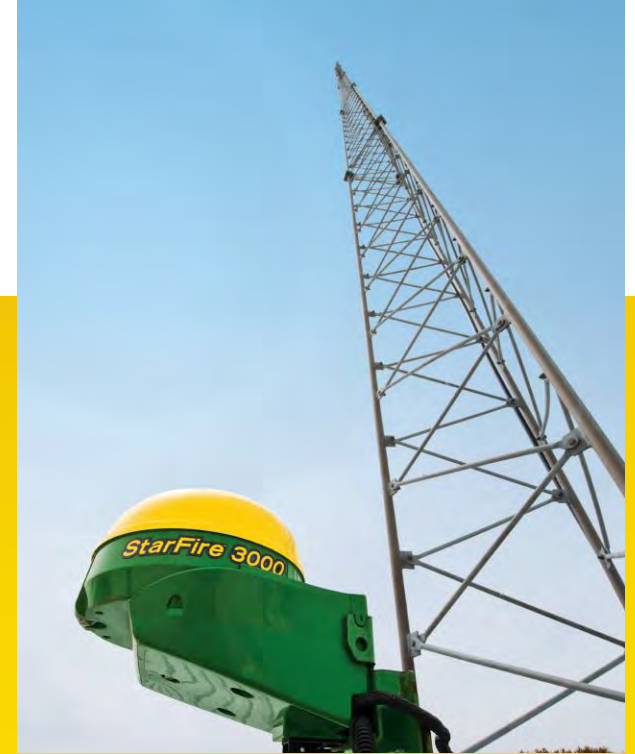


Your tractor is calling

You rise before the sun ... not just to farm, but to grow your farm's potential. To grow your bottom line. And becoming more profitable these days requires you to be more efficient, whether it's making the most of your time, your equipment, your seed and chemical costs, or your workforce. That's why you need the 8R/8RT Series Tractors in your operation – these powerful, intelligent tractors are smart machines integrated with GreenStar™ guidance and the new JDLink™ information-management system.

This fusion of intelligent iron and communication technologies allows your tractor to e-mail you with regular updates on how and where it's operating. You can even log onto your computer at the office to get status updates and manage logistics. Your tractor can talk with other tractors and self-propelled equipment. And with your permission, your dealer can "dial in" from the dealership to the tractor in the field and perform remote software updates plus diagnostics to keep your operation up and running – and your bottom line growing.

Your tractor is calling. Only from John Deere.



CONTENTS

Engine and Transmissions	8
CommandView™ II Cab	10
Controls and Displays	12
ActiveCommand Steering	14
Suspension Systems, Axles, Tires	16
Loader, Front Hitch and PTO	20
Implement Versatility and Compatibility	22
Service and Support	26
Attachments and Accessories	28
Specifications.....	30

Test Your Tractor Smarts. In what year did John Deere enter the tractor business? (Check your answer on page 27.)



Meet the most intelligent tractors in the world

With intuitive controls, integrated GreenStar™ and JDLink™ technology, the exclusive ActiveCommand Steering (ACS™) system, the best cab in its class, the revolutionary Infinitely Variable Transmission (IVT™) with Auto Mode, and up to 360 engine hp plus an additional 35 engine hp through Intelligent Power Management, the 8R Series has the power to help you turn your farm into a more efficient and productive operation.

2012 8R SERIES TRACTORS

Model number	Engine hp ¹	PTO hp ²
8235R	235	192
8260R	260	216
8285R	285	239
8310R	310	261
8335R	335	283
8360R	360	305

1 – Rated engine hp (ISO) per 97/68/EC. 2 – Rear PTO at 2,100 engine RPM.

Test Your Tractor Smarts. What was John Deere's first diesel-powered tractor? (Check your answer on page 27.)





Is it ironic that SMART is spelled with an RT?

The 8RT Series Track Tractors are not just a tracked version of a row-crop tractor – they have an impressive number of smart features that sets them apart. Like hitch-lift capacity of up to 20,000 pounds (9702 kg), and up to 60 gpm (227 L/min) hydraulic capacity. A massive undercarriage and the longest wheelbase of any tractor in its class. The exclusive AirCushion™ Suspension System. And the new JDLink™ information-management system plus integrated GreenStar™ guidance. Now that's smart.

2012 8RT SERIES TRACK TRACTORS

Model number	Engine hp ¹	PTO hp ²
8310RT	310	251
8335RT	335	273
8360RT	360	295

1 – Rated engine hp (ISO) per 97/68/EC. 2 – Rear PTO at 2,100 engine RPM.

Test Your Tractor Smarts. What was the first John Deere tractor series to be equipped with a tracked undercarriage? (Check your answer on page 27.)

The 8R/8RT Series meets the U.S. Environmental Protection Agency's Interim Tier 4 Emissions Regulations by utilizing cooled exhaust gas recirculation for controlling oxides of nitrogen and a smart exhaust filter for reducing particulate matter. The filter automatically cleans itself during normal machine operation for hassle-free and worry-free emissions compliance.



Smart power and performance

The John Deere PowerTech™ PSX 9.0 L Engine delivers uncompromised performance, up to 360 engine hp, and over 400 engine hp through Intelligent Power Management. That's the most horsepower we've put in a row-crop tractor. And it's all possible thanks to an incredibly smart Engine Control Unit, which senses engine speed and load changes at a rate of 100 times per second. This highly evolved and patented system allows the engine to instantly adjust fuel quantity and injection timing, air-to-fuel ratio, multiple fuel injections, and amount of cooled exhaust gas recirculation for outstanding fuel economy and improved engine responsiveness. A fixed turbocharger and a variable geometry turbocharger broaden the engine's operating range with higher power density and increased low-speed torque.



The John Deere PowerTech PSX 9.0 L Engine uses air-to-air aspiration, two turbochargers in a series, a four-valve-per-cylinder design, plus a high-pressure common-rail fuel system to deliver outstanding engine responsiveness, torque rise, fuel economy, and durability.

Transmission choices for powerful versatility

Choose between two field-proven transmissions: the 16-speed automatic PowerShift or the John Deere Infinitely Variable Transmission (IVT™). PowerShift delivers the strength to handle sudden, high-torque loads while maintaining responsive, application-based shifts. For the ultimate in convenience and productivity, opt up to the IVT. Simply select your operating speed, choose from one of three operating modes, and the IVT automatically maintains the engine speed – even under changing load conditions.



You'll love the convenience of the IVT AutoMode. Constant communication between the IVT and engine allows the tractor to automatically change transmission-operating modes, leaving you free to handle other duties. Your tractor also can anticipate a heavy draft load and will automatically adjust the engine and transmission accordingly to help save fuel and improve productivity.

Test Your Tractor Smarts. How many engines did the John Deere Model R Tractor have? (Check your answer on page 27.)



Available options include a heated, leather operator's seat, leather-wrapped steering wheel, and a premium radio package with a superb sound system.

Smart comfort and control

Making smart decisions comes easy when you're relaxed and in control. That's why the CommandView II Cab is loaded with extra space, extra amenities, and extra-easy-to-use controls. A passive noise-reduction system and a superb heating and air-conditioning system keep you in total comfort.

■ **Details, details, details.** No time for lunch? No problem. There's ample storage space behind the seat for coolers and insulated-beverage containers. Need to make some calls to keep your operation in check? Make them hands-free with integrated Bluetooth® technology. Want to pass the time while listening to your favorite tunes? Go with the Premium Entertainment Package and enjoy an extraordinary listening experience. Add it all up and it's easy to see why the CommandView II Cab is the smartest-put-together cab in its class.



The instructional seat folds down and doubles as a work station so you can take care of business during meal breaks and planter refills.



Go with the Premium Entertainment Package and enjoy an extraordinary listening experience thanks to a subwoofer behind the operator's seat, plus MP3 and satellite radio compatibility. You also can take advantage of integrated Bluetooth® technology for hands-free phone calls.

Test Your Tractor Smarts. What was the name of John Deere's first factory-installed cab? (Check your answer on page 27.)



The ergonomic design of the CommandARM Console puts virtually all tractor controls right at your fingertips. The entire CommandARM moves with your seat, which swivels to the right for a more comfortable view out the back window. In addition, the entire CommandARM can be raised, lowered, and moved forward and back so you can comfortably rest your arm on it.



Smart technology

What makes the 8R/8RT Series the most intelligent tractors in the world isn't just their advanced technology, but how we made the technology intuitive and easy to use, regardless of operator skill level.

■ **CommandARM™ Console and GS3 CommandCenter™ Display.** The CommandARM features a simple set of soft-keys arranged with the most frequently used keys up front, while cab-environment controls are at the back. The console contains gear and throttle levers; controls for the hitch, PTO, and SCVs; and switches to activate iTEC™ sequences and to resume AutoTrac™ hands-free steering. The GS3 CommandCenter is available in a standard and touch-screen version. Both let you easily program and monitor almost every tractor function – even in multiple languages.

■ **GreenStar™ Guidance.** Whether you choose to be hands-on with Parallel Tracking™ or hands-free with AutoTrac and RTK accuracy, one thing is certain – GreenStar precision improves your productivity, efficiency, and profitability. All models with MFWD are AutoTrac-ready. Displays, receivers, and activations can be factory-installed, making it easier than ever to integrate GreenStar solutions into your operation.

■ JDLINK™ Information-Management System.

Once you activate your one year of free JDLINK Ultimate service, your 8R/8RT Series Tractor will send you regular updates via the web and your cell phone with information on how and where it's operating so you can better manage your operation, your machines, and your costs. *See page 27 for more information.*



The GS3 CommandCenter Display (left) comes loaded with select GreenStar 3 software applications such as AutoTrac and Section Control (apps require activation fee). You also can run other apps such as SeedStar™ XP, SpreadStar™, and AccuDepth™. What's more, it doubles as a universal performance monitor and is ISOBUS compatible – hook up a compatible implement and its controls automatically load onto the display. Go with the optional touch-screen version and get video-streaming capabilities when you attach a remote camera to your planter, grain cart, or other implements. The new GS3 2630 Display (right) gives you even more guidance options with applications such as iGuide and iSteer, plus prescription mapping and documentation.

Test Your Tractor Smarts. What two tractor models were introduced by John Deere in 1934 and 1935, and were in production for 18 years? (Check your answer on page 27.)

The 31-mph (50 km/h) option lets you move at faster speeds to haul more throughout the day. It's available on wheel tractors equipped with an Infinitely Variable Transmission (IVT™). These tractors also require Independent Link Suspension (ILS™) with integrated brakes, trailer brakes (air or hydraulic), front fenders, a 4.72-in. (120 mm) rear axle, and B-speed rated front and rear tires. Track tractors can reach speeds of 26 mph (42 km/h) when equipped with an IVT.



Smart down the line

As your farm grows, so does your time on the road. Our exclusive ActiveCommand Steering (ACS™) system makes your transport time more comfortable by using variable-ratio and variable-effort steering to adjust the amount of effort required to turn the steering wheel, and the number of steering wheel rotations, based on your speed. It also uses dynamic road-wheel offset control to help prevent oversteering and to provide unprecedented line-holding ability. ACS is optional equipment on wheel models only.

- **Dynamic road-wheel offset control** uses a gyroscope to sense the tractor's movement and automatically makes small steering adjustments. You'll keep the tractor straight in your lane with minimal effort – even at transport speeds of 31 mph (50 km/h).
- **Variable-ratio steering** changes the number of steering-wheel rotations required to turn the tractor based on speed. You'll make fewer turns of the steering wheel at slower speeds for enhanced comfort.
- **Variable-effort steering** changes the amount of torque you experience when turning the steering wheel. You'll sense less torque in the steering wheel at slow speeds, and more torque during transport speeds for an enhanced sense of control.



During headland turns, ACS reduces the amount of torque in the steering wheel, making it easier for you to turn the wheel. It also reduces the number of times you must rotate the wheel for enhanced comfort.



As your speed increases during transport, you'll experience more torque in the steering wheel for an enhanced sense of control. Slow down to make a turn and the steering wheel automatically becomes easier to rotate. And when driving straight down your lane, you'll keep the tractor centered with minimal effort.

Test Your Tractor Smarts. Power front-wheel drive was first offered as an option in what year and on what models? (Check your answer on page 27.)

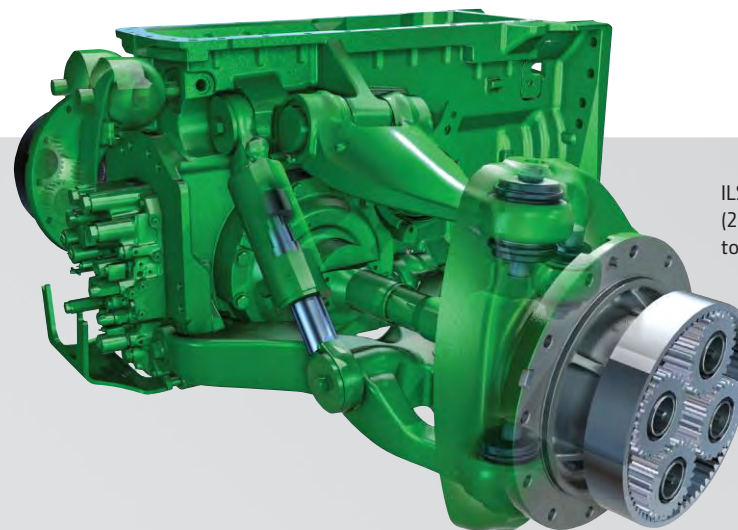
Choose from a large selection of tires in singles, doubles, and triples to fit your needs. Front tires are available in widths ranging from 11.4 in. (290 mm) to 24.4 in. (620 mm); rear tires in widths from 12.6 in. (320 mm) to 31.5 in. (800 mm).



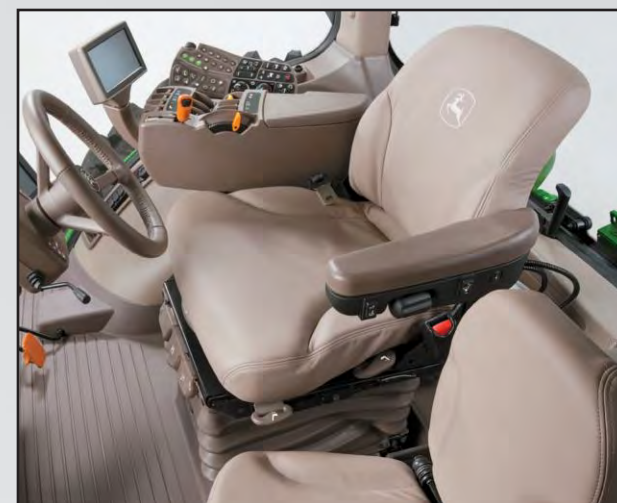
Smart power to the ground

8R Series Tractors can be equipped with front Independent Link Suspension (ILS™) while the 8RT Series Track Tractors feature the revolutionary AirCushion™ Suspension System. Both suspension systems provide a super-smooth ride and maintain faster field and transport speeds. Their unsurpassed traction and flotation help put more power to the ground, plus more comfort in the cab.

■ **Axle Choices.** 8R Series Tractors come with your choice of a mechanical front-wheel-drive (MFWD) axle or ILS. Go with the MFWD option and choose between the 1300 and 1500 Series Axles. Both have electro-hydraulic automatic engagement and give you the drawbar pulling power you need in all operating conditions. The 1500 Series MFWD option lets you add duals to your front axle for added load-carrying capacity, traction, and flotation.



ILS gives you 10 inches (25.4 cm) of suspension travel to keep front duals in contact with the ground, which means you can work at faster speeds for improved productivity and enhanced comfort.



8R Series Tractors can be equipped with the exclusive John Deere ActiveSeat,™ which isolates you from up to 90 percent of vertical movements for an even smoother ride. (ActiveSeat not available on track tractors.)

Test Your Tractor Smarts. What was the first John Deere tractor to have a tricycle front axle to fit between two crop rows, and a rear axle wide enough for the wheels to straddle two rows? (Check your answer on page 27.)

AirCushion™ Suspension System

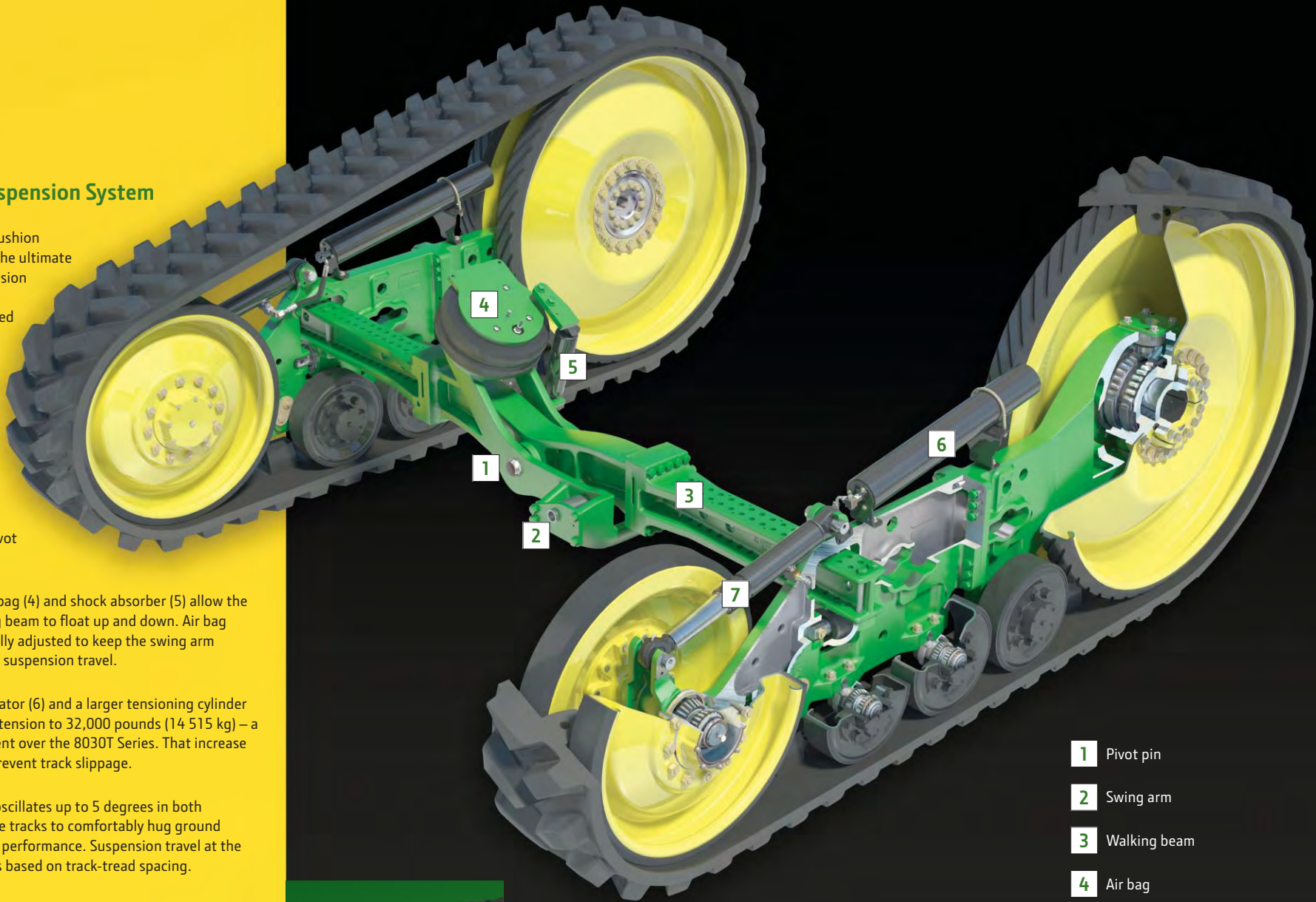
The revolutionary AirCushion Suspension System is the ultimate in track-tractor suspension technology. You'll appreciate the enhanced comfort when working rough ground, plus you'll like the faster field and transport speeds.

■ A massive pivot pin (1) provides support and allows the swing arm (2) and walking beam (3) to pivot individually.

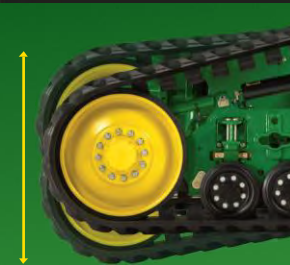
■ The heavy-duty air bag (4) and shock absorber (5) allow the swing arm and walking beam to float up and down. Air bag pressure is automatically adjusted to keep the swing arm centered for maximum suspension travel.

■ A nitrogen accumulator (6) and a larger tensioning cylinder (7) increase track-belt tension to 32,000 pounds (14 515 kg) – a 45-percent improvement over the 8030T Series. That increase in belt tension helps prevent track slippage.

■ The walking beam oscillates up to 5 degrees in both directions, allowing the tracks to comfortably hug ground contours for improved performance. Suspension travel at the front idler wheel varies based on track-tread spacing.



- 1 Pivot pin
- 2 Swing arm
- 3 Walking beam
- 4 Air bag
- 5 Shock absorber
- 6 Nitrogen accumulator
- 7 Tensioning cylinder



The AirCushion Suspension System on track tractors allows 9.6 inches (24.4 cm) of vertical suspension travel at the front idlers when tracks are set at a 72-inch (1.8 m) tread spacing, and up to 15.3 inches (38.9 cm) when set at the 120-inch (3 m) tread spacing. Add the optional extension kit, space the tracks out to 160 inches (4 m), and the suspension travel increases to 20.4 inches (51.8 cm).

Set your track treads where you want them – spacing points are positioned in 4-inch (10.2 cm) increments across the walking beam so you can space them from 72- to 120-inches (1.8 to 3 m) wide. And if 120 inches isn't wide enough, go with the optional 112 to 160-inch (4 m) field-installed kit. This design eliminates the need for separate tractor frames to accommodate narrow or wide settings.

Track Suspension and Spacing



The new factory-installed front hitch and PTO option makes the 8R Series compatible with the new John Deere Triple-Mounted Mower Conditioner. With AutoTrac™ guidance activated, you can easily cut up to 40 acres an hour – hands free.



Smart versatility

■ **New integrated front hitch and PTO** make the 8R Series an impressive performer in front-implement applications. The integrated and compact style maintains full maneuverability even with large front tires. Standard lift capacity is 11,464 pounds (5200 kg).

■ **New H480 Loader.** Connect the new H480 Loader to your 8R Series Tractor and turn your tractor into the ultimate versatility machine. Load silage. Move round bales. Clean your feedlots. And more. The H480 is built with the added strength befitting the largest loader in our ag lineup, with mounting frames that are integrated into the tractor frame for a durable connection between the loader and the tractor. Oil lines are routed through the boom arms to protect them from damage. And a mechanical self-leveling linkage helps ensure the load remains at the same angle to the ground.

Test Your Tractor Smarts. John Deere built more than 200,000 tractors of what model? (Check your answer on page 27.)





Smart capacity

■ **Hydraulics and SCVs.** The heavy-duty hydraulic system boasts plenty of reserve capacity to operate large hydraulic motors, even at reduced engine speeds. Closed-center pressure and flow-compensated hydraulics are standard equipment and are used for all steering, brake, hitch, and SCV functions. You can choose three to six SCVs at the rear of the tractor to meet your needs. Simple hydraulic control lets you easily adjust flow and time detents for each hydraulic coupler right from the CommandARM™ Console.

■ **Rear Hitch and Drawbar.** The optional Category 4N/3 hitch on wheel models has a lift capacity of 18,700 pounds (8482 kg). Track models feature an impressive 20,000-pound (9702 kg) hitch-lift capacity. An optional Category 4 drawbar and 2-inch (50.8 mm) hitch pin with heavy-duty drawbar support and 11,000-pound (4990 kg) tongue-weight capacity provides added load-bearing strength to handle large-capacity and extra-wide implements.

■ **PTO.** Use the rear PTO to power everything from your potato diggers, beet or forage harvesters, and more. A fully independent 1 3/4-inch (4.4 cm) 1,000-rpm PTO is standard equipment. The 20-spline shaft is built to handle high-power, heavy PTO loads that require full horsepower. PTO engagements are automatically modulated for smooth starts to help protect your implement from high-torque overloads.



Test Your Tractor Smarts. A “Johnny Popper” is what kind of tractor?
(Check your answer on page 27.)



Smart at all hours of the day and night

The integrated technology of the 8R/8RT Series helps keep you productive as your day turns into night. Field Cruise™ maintains a constant engine and ground speed as the load on the tractor varies, which is especially useful when you put in long hours on critical operations, such as planting. It also helps save fuel by keeping the speed at a lower level. And intelligent Total Equipment Control (ITEC) lets you program, save and edit two headland sequences for up to five implements. Each sequence can learn up to 20 tractor functions, so you can effortlessly conduct multiple functions all at once.

The Premium Lighting Package uses high-intensity discharge (HID) lamps to illuminate your fields a complete 360 degrees. Five additional Xenon lights deliver excellent brightness for improved visibility.



Test Your Tractor Smarts. Where were the front lights located on the John Deere 4020 Tractor? (Check your answer on page 27.)

Supported by one of the most responsive dealer networks in the business

Nobody cares more about keeping your equipment in solid working order than your John Deere dealer. With a complete inventory of genuine John Deere parts, highly trained service technicians, and a thorough understanding of your business, your John Deere dealer knows how to keep you and your equipment up and running.

A strong name in equipment, and a strong dealership network. Get it all with John Deere.



Protect your investment with a PowerGard™ Plan

The John Deere PowerGard Maintenance Plan lets you purchase scheduled maintenance when you purchase your tractor ... you pick the program that's right for your usage, and your equipment will get routine inspection and service by your John Deere dealer.

The PowerGard Protection Plan* lets you purchase extended coverage and powertrain warranty coverage for up to an additional three years or 3,000 hours over the normal warranty period. You get flexible coverage, low deductibles, and peace of mind. Ask your dealer for details, or visit www.powergard.com.

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

Record-breaking uptime is closer than you think

Your 8R/8RT Series Tractor comes standard with the new JDLink™ Information-Management System and one-year of free JDLink Ultimate Service.* Once you activate the service, you get all the benefits of Service ADVISOR™ Remote. With your permission, your John Deere dealer can “dial in” to your tractor’s diagnostic data to assess trouble codes and help you avoid downtime. Plus, if your tractor throws a code while in the field, service technicians at the dealership can view the code along with the tractor’s location so they know which tools and parts to bring, and where to drive, for best-in-class service. And software updates are a breeze – your dealer can upload the latest version from the dealership to your tractor while the tractor is in the field.

*Free subscription to JDLink Ultimate expires one year from date of purchase of qualifying 2012 8R/8RT Series Tractor. This subscription will not be automatically renewed. For subscription to continue, customer must actively renew and subscription fees shall apply.

Answers to Test Your Tractor Smarts. Page 3: 1918, when John Deere purchased the Waterloo Boy Tractor Company. Page 5: The Model R, introduced in 1949. Page 7: The Model MC, introduced in 1949. It was the Model M converted to a crawler. Page 9: Two, one was a gasoline engine that provided the power to start the diesel engine. Page 11: The Sound-Gard Body, introduced in 1972. Page 13: The Model A and Model B. Page 15: In 1966 on the 3020 and 4020 Tractors. Page 17: The GP Wide-Tread, introduced in 1929. Page 21: The 4020 diesel row-crop tricycle, built between 1963 and 1972. Page 23: A two-cylinder John Deere tractor built between 1924 and 1960. Page 25: Under the rear fenders.

Attachments and Accessories

Your John Deere dealer has a wide array of quality attachments and accessories to fit your 8R/8RT Series Tractor, from controlled-traffic wheel spacers, high-intensity-discharge lights, and even insulated coolers. All are precision matched for uniform fit, finish and color consistency.



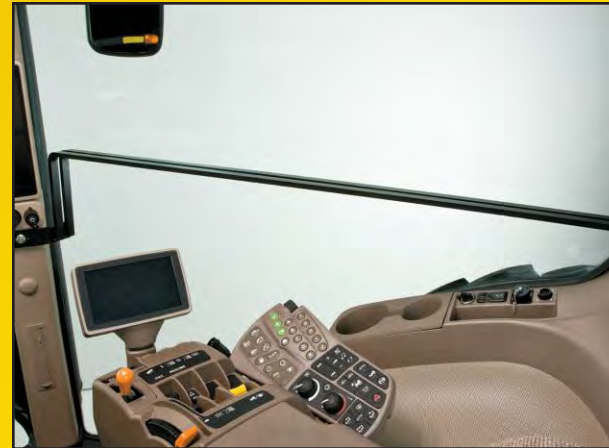
Battery Disconnect Switch. Makes it easy to disconnect your battery when you put your tractor in storage. No. RE329902 for wheel models, RE324456 for track models.



Transmission Back-Up Alarm. Sounds a loud warning when you put the transmission in reverse. No. RE224298.



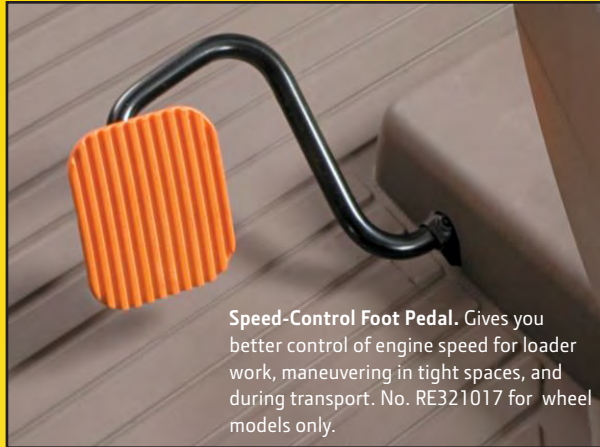
Wide-Track Conversion Kit for Track Tractors. Extends the walking beam and rear axle so you can space your track treads out to 160 inches. No. AR273271.



Accessory Mounting Bracket. Makes it convenient to hang your implement monitors and other accessories in one easy-to-reach location. No. RE317435.



Remote Video Camera. Attaches to your implement and streams video to the optional touch-screen GS3 CommandCenter™ Display. The CommandCenter's reverse-trigger function will automatically display the video feed when you shift the tractor into reverse. No. SWVCCS150B. Also requires SWCEC25 (25 ft. extension harness) and SWTY26834 (adapter harness).



Speed-Control Foot Pedal. Gives you better control of engine speed for loader work, maneuvering in tight spaces, and during transport. No. RE321017 for wheel models only.



Custom-Key Door Lock. Allows the door key to be different from the ignition key to help prevent theft. No. AL71345

Tire-Pressure Monitoring Kit. Alerts you when a tire begins to lose pressure to prevent tire damage. Wireless sensors screw onto the valve stems. The monitor plugs into a 12-volt power socket or can be direct wired. No. RE263352.



2012 8R/8RT Series Tractors

	8R SERIES TRACTORS						8RT SERIES TRACK TRACTORS		
	8235R	8260R	8285R	8310R	8335R	8360R	8310RT	8335RT	8360RT
POWER									
Rated PTO hp at 2,100 engine rpm	192 hp (143 kW)	216 hp (161 kW)	239 hp (178 kW)	261 hp (195 kW)	283 hp (211 kW)	305 hp (228 kW)	251 hp (187 kW)	273 hp (203 kW)	295 hp (220 kW)
Rated engine hp (ISO) per 97/68/EC at 2,100 engine rpm	235 hp (173 kW)	260 hp (191 kW)	285 hp (210 kW)	310 hp (228 kW)	335 hp (246 kW)	360 hp (265 kW)	310 hp (228 kW)	335 hp (246 kW)	360 hp (265 kW)
Maximum engine hp (ISO) per 97/68/EC at 1,900 engine rpm	259 hp (190 kW)	286 hp (210 kW)	314 hp (231 kW)	341 hp (251 kW)	369 hp (271 kW)	396 hp (291 kW)	341 hp (251 kW)	369 hp (271 kW)	396 hp (291 kW)
Intelligent Power Management* (optional)	35 additional engine horsepower at 2,100 rpm (rated speed)								
ENGINE									
Description	John Deere PowerTech PSX 9.0 L Engine: diesel, in-line, 6-cylinder, wet-sleeve with 4 valve-in-head								
Rated speed	2,100 rpm								
Aspiration	Dual series turbocharger with fixed geometry first stage, variable geometry second stage; air-to-air aftercooling and cooled exhaust gas recirculation								
Filter, engine air	Dual-stage with engine cooling fan aspiration								
Displacement	548 cu. in. (9.0 L)								
Bore and stroke	4.66 in. (118 mm) x 5.35 in. (136 mm)								
Compression ratio	16:1								
Lubrication	Full-pressure, full-flow filtration with bypass								
Filter, oil	Replaceable cartridge-style oil filter								
FUEL SYSTEM									
Description	Electronically controlled, high-pressure common-rail with electric fuel transfer pump (self priming)								
Filter system	Two-stage with water separator and service-indicator light								
Filter, primary	10 micron replaceable cartridge								
Filter, secondary	2 micron spin-on element								
Fuel-tank capacity	184 U.S. gal. (695 L)						200 U.S. gal. (758 L)		
Required fuel type	Ultralow sulfur diesel (B20 diesel compatible)								
TRANSMISSIONS									
16-speed PowerShift (PST); 16F, 4R** with APS (Auto Power Shift)	Standard	Standard	Standard	Standard	Standard	—	Standard	Standard	—
John Deere Infinitely Variable Transmission (IVT), 26 mph (42 km/h)	Optional	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Standard
John Deere Infinitely Variable Transmission (IVT), 31 mph (50 km/h)	Optional	Optional	Optional	Optional	Optional	Optional	—	—	—
ELECTRICAL SYSTEM									
Description	Two batteries in parallel								
Alternator/battery	200 amps/12 Volt								
Total cold-cranking amps	1850								
FINAL DRIVES									
Description	Inboard planetary, three pinion						Inboard planetary		
REAR AXLE									
Description	Rack and pinion						—		
4.33 x 118.5 in. (110 x 3010 mm) diameter long, single-taper hub	Standard	Standard	Standard	—	—	—	—		
4.33 x 118.5 in. (110 x 3010 mm) diameter long, dual-taper hub	Optional	Optional	Optional	—	—	—	—		
4.72 x 118.5 in. (120 x 3010 mm) diameter long, dual-taper hub	Optional	Optional	Optional	Standard	Standard	Standard	—		
4.72 x 96 in. (120 x 2438 mm) diameter short, dual-taper hub	Optional	Optional	Optional	Optional	Optional	Optional	—		
Tread spacing	—						72 to 120 in. (1829 to 3048 mm) standard, 112 to 160 in. (2845 to 4064 mm) optional		
Track type	—						Camoplast Durabuilt 3500 and 5500 Series Track Belts		
Track width	—						25 in. (635 mm)		
Optional track widths	—						16 in. (406 mm), 18 in. (457 mm), 24 in. (610 mm), 30 in. (762 mm)		
Drive wheel total width	—						15 in. (381 mm) required with 16-, 18-, and 24-in. (406, 457, and 610 mm) tracks; 24 in. (610 mm) optional with 25-, and 30-in. (635, and 762 mm) tracks		
Mid-rollers total width	—						15 in. (381 mm) required with 16-, 18-, and 24-in. (406, 457, and 610 mm) tracks; 24 in. (610 mm) required with 25-, and 30-in. (635, and 762 mm) tracks		
REAR-WHEEL EQUIPMENT									
Description	Group 47 and 48 tires available as singles/duals/triples						—		
TRACK GROUND-CONTACT AREA									
16 in. (406 mm) tracks	—						3,168 sq. in. (2.04 sq. m)		
18 in. (457 mm) tracks	—						3,565 sq. in. (2.30 sq. m)		
24 in. (610 mm) tracks	—						4,753 sq. in. (3.07 sq. m)		
25 in. (635 mm) tracks	—						4,951 sq. in. (3.19 sq. m)		
30 in. (762 mm) tracks	—						5,941 sq. in. (3.83 sq. m)		
STATIC GROUND PRESSURE, for 36,000 lb. (16 067 kg) track tractor									
16 in. (406 mm) tracks	—						11.36 psi (78.59 kPa)		
18 in. (457 mm) tracks	—						10.1 psi (69.87 kPa)		
24 in. (610 mm) tracks	—						7.57 psi (52.40 kPa)		
25 in. (635 mm) tracks	—						7.27 psi (50.30 kPa)		
30 in. (762 mm) tracks	—						6.06 psi (41.91 kPa)		

Continued on next page.

	8R SERIES TRACTORS						8RT SERIES TRACK TRACTORS			
	8235R	8260R	8285R	8310R	8335R	8360R	8310RT	8335RT	8360RT	
FRONT AXLE										
1300 Series MFWD, tread range 60 to 88 in. (1524 to 2235 mm)	Standard	Standard	Standard	—	—	—	—	—	—	
1500 Series MFWD, tread range 60 to 144 in. (1524 to 3657 mm) with or without duals	Optional	Optional	Optional	Optional	Optional	Optional	—	—	—	
Independent Link Suspension (ILS), tread range 60 to 144 in. (1524 to 3657 mm), with or without duals and front brakes	Optional	Optional	Optional	Standard	Standard	Standard	—	—	—	
DIFFERENTIAL LOCK										
Front axle, 1300 Series MFWD	Limited slip		—	—	—	—	—	—	—	
Front axle, 1500 Series MFWD	Full-locking electrohydraulic						—	—	—	
Front axle, ILS	Full-locking electrohydraulic						—	—	—	
Rear axle	Full-locking electrohydraulic						—	—	—	
STEERING										
Hydraulic power steering	Standard	Standard	Standard	Standard	Standard	Standard	—	—	—	
ActiveCommand Steering (ACS)	Optional	Optional	Optional	Optional	Optional	Optional	—	—	—	
Speed-sensitive, hydrostatic, differential	—	—	—	—	—	—	Standard	Standard	Standard	
HYDRAULIC SYSTEM										
Description	Closed-center, pressure and flow compensated									
Selective control valves (SCVs)	4 standard, 3, 5 and 6 optional									
Main pump, axial piston (displacement)	63 cc standard 85 cc optional	63 cc standard 85 cc optional	63 cc standard 85 cc optional	85 cc standard	85 cc standard	85 cc standard	63 cc standard 85 cc optional	63 cc standard 85 cc optional	63 cc standard 85 cc optional	
Clean-oil reservoir charge pump	Gear-driven, integrated						Gear-driven			
Maximum pressure	2,958 +/- 4.4 psi (20,400 +/- 300 kPa)									
Rated flow, 63 cc pump	44 U.S. gpm (166.6 L/min)	44 U.S. gpm (166.6 L/min)	44 U.S. gpm (166.6 L/min)	—	—	—	44 U.S. gpm (166.6 L/min)	44 U.S. gpm (166.6 L/min)	44 U.S. gpm (166.6 L/min)	
Rated flow, 85 cc pump	60 U.S. gpm (227.1 L/min)						35 U.S. gpm (132 L/min)			
Available flow at a single SCV	35 U.S. gpm (132 L/min)									
3-POINT HITCH, REAR										
Description	Electrohydraulic sensing									
Category 3/3N with Quik-Coupler	13,600 lb. (6169 kg) standard 17,600 lb. (7983 kg) optional	13,600 lb. (6169 kg) standard 17,600 lb. (7983 kg) optional	13,600 lb. (6169 kg) standard 17,600 lb. (7983 kg) optional	—	—	—	—	—	—	
Category 4N/3 with Quik-Coupler	18,700 lb. (8482 kg) optional	18,700 lb. (8482 kg) optional	18,700 lb. (8482 kg) optional	18,700 lb. (8482 kg) standard 14,100 lb. (6396 kg) optional	18,300 lb. (8300 kg) standard 14,100 lb. (6396 kg) optional	18,300 lb. (8300 kg) standard 14,100 lb. (6396 kg) optional	20,000 lb. (9702 kg) standard 15,000 lb. (6803 kg) optional	20,000 lb. (9702 kg) standard 15,000 lb. (6803 kg) optional	20,000 lb. (9702 kg) standard 15,000 lb. (6803 kg) optional	
3-POINT HITCH, FRONT										
Description	Optional, Category 3N, requires Independent Link Suspension									
Standard lift capacity	11,464 lb. (5200 kg)									
POWER TAKE-OFF (PTO), REAR, INDEPENDENT										
1 3/4 in. (44 mm) 20-spline, 1,000 rpm	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
1 3/4 in. (44 mm) 20-spline, 1,000 rpm; capable of 1 3/8 in. (35 mm) 540/1000 rpm	Optional	Optional	Optional	—	—	—	—	—	—	
1 3/4 in. (44 mm) 20-spline, 1,000 rpm with 1 3/8 in. (35 mm) 540/1000 rpm gearbox	Optional	Optional	Optional	Optional	Optional	—	—	—	—	
PTO speed at engine rpm	1,000 at 2003 on PowerShift Transmission; 1,000 at 2000 on Infinitely Variable Transmission									
POWER TAKE-OFF (PTO), FRONT										
1 3/4 in. (44 mm) 20-spline	Optional, requires ILS and IVT									
1 3/8 in. (35 mm) 21-spline	Optional, requires ILS and IVT									
DRAWBAR										
Category 3	4,050 to 6,000 lb. (1837 to 2700 kg) maximum vertical load standard			—			—			
Category 4	4,950 lb. (2245 kg) maximum vertical load optional			4,950 lb. (2245 kg) maximum vertical load standard			4,950 lb. (2245 kg) maximum vertical load standard			
Category 4 with heavy-duty support	11,000 lb. (4990 kg) maximum vertical load optional			11,000 lb. (4990 kg) maximum vertical load optional			11,000 lb. (4990 kg) maximum vertical load optional			
WHEELBASE										
MFWD/ILS	120.1 in. (3050 mm) / 118.9 in. (3020 mm)						—	—	—	—
MFWD/ILS axle clearance	27 in. (685.8 mm) / 23.2 in. (590 mm)						—	—	—	—
Tracks	99 in. (2.51 m)									
COMMANDVIEW II CAB										
Cab glass area	—				70.18 sq. ft. (6.52 m ²)		—			
Cab volume	—				127 cu. ft. (3.597 m ³)		—			
CONNECTIONS										
AutoTrac Ready	Standard									
JDLink	Factory-installed with one year of complimentary JDLink Ultimate service									
Service ADVISOR Remote	Requires activated JDLink service									
ISOBUS Connection	Standard (ISO 11783)									
GS3 CommandCenter Display	Standard ISOBUS with AutoTrac, Pivot Pro, Section Control (requires activations). Optional touch-screen display with video-camera input.									
AVERAGE STANDARD WEIGHT (less front weights)										
MFWD ¹	27,218 lb. (12 346 kg)	27,218 lb. (12 346 kg)	27,218 lb. (12 346 kg)	27,218 lb. (12 346 kg)	27,218 lb. (12 346 kg)	27,218 lb. (12 346 kg)	—	—	—	
ILS ²	30,252 lb. (13 722 kg)	30,252 lb. (13 722 kg)	30,252 lb. (13 722 kg)	30,252 lb. (13 722 kg)	30,252 lb. (13 722 kg)	30,252 lb. (13 722 kg)	—	—	—	
Tracks ³	—	—	—	—	—	—	35,160 lb. (15 948 kg)	35,160 lb. (15 948 kg)	35,160 lb. (15 948 kg)	

Specifications and design subject to change without notice. ¹Activates during mobile rear PTO applications and transport speeds. ²**Optional 5R available through dealer software download. ³1540 rpm selection is not compatible with models equipped with a Category 4 drawbar. ⁴Weight based on MFWD, PST, 1400 lb. inner weights, front weight support, Category 3 hitch with Quik-Coupler, 30 gallons of fuel, 480/80R46 duals, 420/90R34 fronts. ⁵Weight based on ILS, IVT, 1400 lb. inner weights, front weight support, Category 4 hitch with Quik-Coupler, 30 gallons of fuel, 480/80R50 duals, 380/80R38 fronts. ⁶Weight based on IVT, 200 gallons of fuel, 24-in. (610 mm) tracks, no weights. PowerTech, IVT, ACS, AirCushion, CommandView, CommandCenter, AutoTrac, JDLink, and Service ADVISOR are registered trademarks of Deere and Company. 48540 (09/27/11)

A photograph of two men sitting on a tractor, smiling and looking at each other. The man on the left is wearing a green cap and a denim shirt. The man on the right is wearing a light-colored button-down shirt. The background shows a blurred outdoor setting, possibly a farm or construction site.

A new name. A familiar face.

Farm Plan™ and AgLine™ now carry the John Deere Financial name.

Even though our name is new, the way we live up to it isn't. The same things you've always counted on with your multi-use account are still here. And even though our names are changing, you can still count on some things that will never change — our commitment, service, support and philosophy of knowing you, as you. That's the John Deere Financial difference.

In the United States: www.JohnDeereFinancial.com

In Canada: www.JohnDeereFinancial.ca



This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories NOT AVAILABLE in all regions. PLEASE CONTACT YOUR LOCAL DEALER FOR DETAILS. John Deere reserves the right to change specification and design of all products described in this literature without notice.

John Deere Financial multi-use account is a service of John Deere Financial, f.s.b.

DSAA51715 Litho in U.S.A. (12-02)



JOHN DEERE
FINANCIAL

JohnDeere.com