8R Series Tractors
217 to 291 kW (295 to 395 hp) 97/68 EC with Intelligent Power Management

Featuring optional John Deere exclusive ActiveCommand Steering
Ride into the future

To work the land from one horizon to the other, you need a tractor that leads the way in power, comfort and ease of operation. So you stay refreshed and productive on your long working days and nights! With the new John Deere 8R Series, your future will be more productive, too.

The innovative new PowerTech PSX engine not only conforms to Stage III B emissions standards, it also gives you GreenEfficiency fuel economy with uncompromising robust performance.

With no extra hassles and no extra fluids. You just fill up with diesel, like you have always done and get back to work.

Backed by John Deere’s precision engineering and unparalleled service network, you can ride into the future with confidence.
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We took the best and made it better

Thoroughly upgrading our 8R Series tractors meant preserving the highest levels of performance and efficiency, while integrating a wide range of powerful new features.

And, being perfectionists, we committed ourselves to enhancing the pulling power of these legendary tractors as well.

Flexibility and control. Comfort and reliability. High productivity and low cost of ownership. 8R Series tractors are an ideal choice for farmers and contractors with a world of things to do.

Standard features that meet your demands:

- Powerful and efficient PowerTech PSX 9.0 L engine
- Automotive fit and finish, ideal for roads and fields
- A spacious, quiet, comfortable cab
- Ample storage and power outlets
- Easy to read Corner Post Display
- Comfortable CommandARM controls
- Optimised CommandCenter display with GreenStar 3, supporting AMS features and ISOBUS
- Efficient, high performance air conditioning
- 360° exterior lighting
- Improved braking and hydraulics
- Intelligent Power Management
- VariCool cooling system
- Integrated CAN-bus electronics
- Powerful rear hitches
- AutoTrac ready
- Large 695 litre fuel tank
- JD Link Ultimate

New GreenStar 3 CommandCenter display
ISOBUS compatible 7" display with GreenStar 3 application support and Access Manager in base
In addition to continued optimum performance and reduced operational costs, all 8R Series tractors can be tailored to meet your job-specific requirements. Whatever your daily operations demand, we’ll help fine-tune your 8R tractor to easily and efficiently get the job done.

Options that power your business:
- Exclusive ActiveCommand Steering
- Choice of PowerShift or AutoPowr (standard on 8360R) Transmission
- CommandCenter 3 display with TouchScreen & video functions
- Colour & touchscreen GreenStar 3 Display 2630
- Cat IV rear hitch (standard on 8310R, 8335R and 8360R)
- Exclusive independent link suspension front axle
- Premium HID lighting (Xenon)
- Deluxe and Premium Radio Package
- Exclusive John Deere ActiveSeat
- Leather Package (steering wheel, operator and instructor seat) with heated operator seat
- Electronically adjustable and telescopic outside mirrors
- Front brake option (standard on 50 km/h model)
- New immobilizer key*
- Data Tag Security Identification*

New ActiveCommand Steering
Increased steering comfort and control in the field and on the road

7” CommandCenter TouchScreen & Video display
Increased operating comfort

* Std equipment in UK and Ireland
Settle back in the seat of the CommandView II cab and enjoy the view. The serene colours and rugged materials are a perfect match.

The controls and displays are easy to see and understand. The air conditioning has innovative air ducts for maximum comfort. Enjoy!

Wide open spaces
Stretch out in the spacious interior with lots of glass and plenty of power outlets for electronic devices plus a large instructor seat with FieldOffice surface on its backrest.

Air conditioning
Roof-integrated system with high performance airflow. Optional Automatic Temperature Control is easily set via remote control in the armrest.

Sound technology
Four high quality speakers and a powerful subwoofer reproduce your favourite music. The Premium Radio Package also plays CDs and MP3s and supports USB and also ‘hands-free’ Bluetooth connectivity.

SCV levers and couplers
The Selective Control Valves and couplers are colour-coded to simplify recognition.

Cab-integrated exterior lighting
This bright idea turns night into day by providing 360° of deep illumination with lamps set in the cab roof to prevent damage.

The leather trim package features a leather-wrapped steering wheel, a heated leather operator seat and a leather instructor seat.
Tractor-specific key*
New immobilizer key option offers optimal security from theft or unauthorised use and keeps your 8R in good hands.

Data Tag Security Identification*
A strategically placed security identification system helps authorities to identify the tractor in case of theft, serial number plate damage or tampering. Security systems like the immobilizer and the data tag offer the possibility of insurance discount and other policy benefits.

Optional John Deere ActiveSeat
The optional ActiveSeat is extraordinary: it insulates you from up to 90% of the tractor’s vertical movements. Thus increasing comfort, decreasing fatigue and, at the end of the day, boosting productivity.

Take command

Optional CommandCenter TouchScreen & Video display
Relax and let your fingertips do the work! The new TouchScreen display with video capability gives you a new level of operating comfort. Integration of video capability further reduces the number of monitors, harnesses and brackets in the cab. It’s definitely the most effective way to control applications and monitor performance.

Access Manager
With the new Access Manager, a simple four digit password can help prevent inadvertent changes to most tractor and GreenStar functions on the CommandCenter. Settings can be locked or unlocked in owner mode. Once the settings have been locked, the owner can switch to operator mode – the operator can’t change settings locked by the owner. The custom settings are password protected.

Practical storage space
Your operator’s manual, first aid kit, warning triangle, personal electronic devices and everything else you need are stowed within easy reach.

Plug and play
Up to 10 power outlets provide a convenient energy supply for implement monitors. Additional monitor mount locations are ready for a change whenever you are.

A lot to look forward to
The newly designed slender engine bonnet and wraparound visibility let you keep a close watch on your work whether it’s ahead, above, below, to the sides or behind.

Perfect view 4-post cab
High total glass area for enhanced visibility, greater sense of space and perfect view of implements.

Multi-purpose radio selection
Find the sound to fit your mood with optional control via the CommandARM console, USB/auxiliary input for MP3/iPod and ‘hands-free’ Bluetooth connectivity with the Premium Radio Package.
All systems go: the intuitive CommandARM console

Controls such as the CAN-controlled, colour-coded SCVs are intuitive to understand and fast to locate on demand. The 7” display is read at a glance. And the intelligent Total Equipment Control (iTEC) system lets you automate multiple operating functions simultaneously.

Plus, important AMS applications can now be operated directly via the GreenStar 3 CommandCenter display, such as AutoTrac, Swath Control Pro and Pivot Pro.

The CommandARM console makes it easy and convenient to maximise productivity with:

– Hot keys for field CruiseControl, iTEC system, transmission and PTO settings
– Hot keys to all hitch functions
– GreenStar 3 CommandCenter with AMS features (AutoTrac, Swath Control Pro, Pivot Pro)
– Air conditioning controls
– Radio controls
– Mechanical Front Wheel Drive controls
– Light controls

There’s an unprecedented level of in-cab comfort and functionality in an 8R Series tractor. The CommandARM console with integrated GreenStar 3 CommandCenter puts everything you need within easy reach.

The new CommandARM console
Enjoy fingertip control of tractor and cab functions such as hydraulics, throttle, gear selection, rear hitch, air conditioning and radio controls.
Tractor control made easy

Your Corner Post Display and GreenStar 3 CommandCenter keep operations simple.

The new GreenStar 3 CommandCenter TouchScreen & Video option makes your workday even easier. All you do is focus on the task at hand. All controls are forward-facing, to help reduce fatigue and improve tractor operation.

GreenStar 3 CommandCenter control
The controls in the CommandCenter are grouped by functional areas:

– Completely integrated 7” full-colour wide screen
– On-board Diagnostics Tool
– ISOBUS virtual terminal
– GreenStar applications (AutoTrac, Swath Control Pro, Pivot Pro)
– Universal Performance Monitor

New GreenStar 3 CommandCenter Screen Touch & Video display (optional)
Seeing is the best control. With an added video camera, the screen can be automatically triggered to display certain procedures, such as reverse, PTO engagement, hitch movement or SCVs. The video function also enables you to monitor sensitive implement areas, without the need of additional monitors.

Benefit from maximum productivity with ISOBUS
Both the CommandCenter and the optional new CommandCenter TouchScreen & Video display support ISOBUS standards enabling the advanced control of implements – for example, the operation of a large self loading silage wagon. With AutoPowr transmissions, the implements even work together with the tractor-implement-automation system to automatically set the speed of the tractor.

4-in-1 GreenStar 2630 Display (optional)
For state-of-the-art operation, the GreenStar 2630 has a big 26.4 cm robust touchscreen, slim design for optimum visibility, USB connectivity and a backlit LCD for great brilliance and optimised legibility on both sunny days and dark nights.

Most of all, the display combines seven powerful features in one device:

– Guidance – AutoTrac Pro Modules (iTEC Pro, iGuide and iSteer)
– Documentation – easy recording of application rate to boost productivity
– Full ISOBUS control – for advanced implement control
– Performance Monitor – to monitor the tractor performance
– Video function
– Standby Mode
– Access Manager

Other practical features include the standby mode for road transport or at night including the ability to disable warning messages and warning tones, if desired.

Ready to roll
The GreenStar 3 CommandCenter is integrated within the CommandARM console and now features AMS applications like AutoTrac or Sprayer Pro in Base.

Fast viewing
The illuminated Corner Post Display puts critical performance data within easy view.

4-in-1
The GreenStar 2630 Display brings you seven features in only one display.
Built for the field. Made for the road.

Advanced engineering in the John Deere 8R Series makes it easy to transport heavy loads while using less fuel. The Independent Link Suspension (ILS) with mechanical front wheel drive (MFWD) allows you to put more power to the ground – both in the field and on the road.

Fuel efficiency is enhanced, as well. With 42 km/h AutoPowr transmission, the engine runs at only 1434 rpm. With 50 km/h AutoPowr transmission, only 1713 rpm are needed.

ActiveCommand Steering: the new benchmark for driving performance

John Deere’s exclusive ActiveCommand Steering (optional) is the most robust and complete steering system in the industry. Whether in the field or on the road, it reduces steering effort to prevent operator fatigue – and considerably improves driving comfort and control.

- **Dynamic Stability Control** keeps your tractor on track with minimal effort. It automatically adjusts the road wheel angle based on the lateral acceleration of the tractor. This improves vehicle control when cornering at transport speeds and improves line-holding ability – even in rough and bumpy terrain.

- **Variable Ratio Steering** provides light, agile steering at slower speeds and heavier steering for higher speeds – for example, during transport. The system adjusts both the resistance of the steering wheel and the number of times you need to turn it during lock-to-lock manoeuvres.

- **Full Electronic Steering Control** makes it easier to stay on course and reduces operator fatigue by providing a more comfortable driving experience all round. The new system removes all the drawbacks of a conventional steering column-to-wheel setup. It reduces vibration significantly and eliminates free play completely.

“**The driving stability and steering accuracy of the 8R’s ActiveCommand Steering on the road is really great – The tractor automatically controls and adjusts the steering and makes you feel safe and comfortable. Even with heavy implements the 8R is easy to navigate. There is no comparison to existing steering systems**”

Andreas Becker
Employee at Contractor Jürgen Mörtter, Hennef-Petershohn; Operating seven tractors with a high percentage of transport applications.
A moving experience

Agritechnica Gold Medal
John Deere’s ActiveCommand Steering was awarded with the top innovation prize for new agricultural inventions.

Dynamic Stability Control
Improved driving stability with the Dynamic Stability Control—it keeps the tractor straight in your lane with minimal effort.

Variable Ratio Steering
Reduced lock-to-lock turns in the field for quicker headland turns with Variable Ratio Steering.

Intelligent Power Management
For transport and non-stationary PTO applications, Intelligent Power Management supports greater productivity with up to 35 additional horsepower on 8R Series tractors. The results: greater performance and higher power density in transport applications, e.g. for acceleration when you need it most, such as travelling uphill with a heavy load. And, because you maintain the speed you choose at the best possible rpm, re-fuelling stops are fewer.

Smooth ride
Independent Link Suspension (ILS) ensures maximum traction and optimum driving comfort. In Combination with the ActiveSeat you’ll enjoy exceptional comfort all day long.
A brighter idea: 360° lighting

Farming is a 24-hour-a-day business. Ploughing, cultivating, even harvesting can require extended night shifts. Fortunately, 8R Series tractors shine brighter than ever with a lighting system that offers optimised control and higher productivity for your operations.

You’ve never seen anything like it!
Up to 26 lights provide 360° visibility – wisely integrated into the front, rear and sides of the roofline to prevent possible damage.

- 12 lights integrated into the cab roof for unmatched illumination
- 4 adjustable beltline and rear fender field lights increase flexibility
- 8 field, spot and road lights on the bonnet grille offer increased brightness to guide you from dusk till dawn
- New halogen high and low beam headlights keep your view ahead bright and clear
- 2 optional auxiliary lights for big front-mounted implements

For your convenience, all lighting is easily controlled via the CommandCenter.
See the light

Choose from the Standard, Deluxe or Premium Lighting Package. The Deluxe Package adds 4 additional forward facing lights. For daylight output and excellent field definition, the 5 Xenon lights in the Premium HID Lighting Package deliver up to 5 times the service life of halogen bulbs and 2.5 times the luminance.

- **Standard**
  - A 2 RH side lights
  - B 2 LH side lights
  - C 2 rear lights
  - D 4 corner lights
  - E 2 adjustable rear fender lights
  - H 2 low beam road lights
  - I 2 high beam road lights
  - J 2 corner field lights
  - P 2 rear turn signal and brake lights

- **Deluxe** (in addition to Standard)
  - F 2 adjustable front roof lights
  - G 2 front beltline lights
  - M X Rotary beacon

- **Premium** (in addition to Standard)
  - N 2 HID Xenon lights
  - O 2 HID Xenon lights
  - K 1 HID Xenon light
  - L 1 field light

Programming your GreenStar 3 CommandCenter control to provide lighting that’s perfect for night-time applications couldn’t be easier.

Lighting configurations on 8R Series tractors turn night into day.
AutoTrac + iTEC = iTEC Pro

iTEC Pro productivity from John Deere
John Deere’s iTEC Pro system (intelligent Total Equipment Control) enables tractor operators to work faster and longer without tiring. As a result, owners benefit from comprehensive, highly automated operations for consistent quality of work, improved performance and the highest operator comfort.

You’re in control
The amount of work, time and costs savings are up to you:

1. **AutoTrac** hands-free guidance reduces overlap by up to 90%.
2. **iTEC** automates all machinery steps needed to accurately complete headland manoeuvres and is easily programmed or recorded via the CommandCenter display.
3. **iTEC Pro** combines the functionality of both AutoTrac and iTEC to minimise overlap, cut input costs and help you work faster (available with GreenStar 2630 Display).

More hectares in less time
Start increasing your productivity today! All you need to do is define the accuracy of the correction signal you want to use with your StarFire 3000 or iTEC receiver to implement:

- ± 30 cm pass-to-pass accuracy with the FREE SF1 signal, perfect for tillage
- ± 10 cm pass-to-pass accuracy with the SF2 signal, ideal for fertiliser spreading and mowing
- ± 2 cm repeatable RTK signal accuracy for the highest precision demands like seeding

The new StarFire 3000 receiver features improved signal acquisition and is compatible with all accuracy levels (SF1, SF2 and RTK). Starfire 3000 comes with GLONAS capability in base.

For touchscreen convenience, control your iTEC Pro operations via the optional GreenStar 2630 Display.
Don’t keep your future waiting

There is a wide range of Ag Management Solutions to boost the quality and efficiency of your operation. For example:

**FieldDoc**
Automatically record all field applications on your GreenStar 2630 Display. From tillage to seeding, spraying and fertiliser spreading, you can document precisely what was done, where, when and by whom.

**JDLink telematics**
Work more efficiently and profitably with the wireless communication and information solution. It helps you to stay connected with your machines by simply logging on to the JDLink website. You can monitor where and in which fields your tractors are located or analyse the machine performance like fuel consumption or machine utilization.

**iGuide**
In uneven terrain, the weight of your pulled-type implement will cause it to drift. The result is gaps and overlaps. With the iGuide system, the tractor now changes its path to compensate for implement drift in uneven terrain and guides the implement passively to a perfect pass-to-pass result!

**iSteer***
Active implement guidance is the advanced solution for plough steering or speciality crop operations. The implement actively compensates for off-track drift by using SBG Innovative sensors and hydraulics in coordination with John Deere GreenStar Display 2630 and StarFire 3000 receiver.

*Available in selected countries

**AutoTrac system – now controlled via the CommandCenter!**
To run your tractor with AMS applications like AutoTrac, Swath Control Pro and Pivot Pro, no additional monitor is required – just use the existing CommandCenter display.

**Give yourself a break: iTEC Pro**
John Deere’s intelligent Total Equipment Control Pro system takes over steering functionality and simultaneously performs multiple tractor functions to automate productivity, e.g. by running AutoTrac and automatically executing complicated headland turns.
Top efficiency, top performance

To meet current and future emission standards, John Deere has invested in the research and development of more efficient engines and lower emissions. Our conclusion: Why change what’s already working well?

While competitors aim to reduce emissions with a complicated dual-fluid system, John Deere has focused on keeping things simple with a future-ready, single-fluid approach. Basically, we’ve considerably optimised the performance and efficiency of our already highly fuel-efficient, field-proven and user-friendly PowerTech Plus engine.

The result not only fully complies with Stage III B emission regulations, it is a pioneering, environmentally friendly solution without compromising on engine performance: the new PowerTech PSX engine. That’s John Deere’s signature for Green Efficiency!

Horsepower that won’t let you down
The incredible performance and torque output of the 9.0 L 8R PowerTech PSX engine unleashes up to 265 kW (360 hp) at rated speed and up to max. 409 hp with Intelligent Power Management according to 97/68EC standard.

The secret to this impressive power lies in the dual turbo (1 fixed and 1 variable geometry turbocharger) and high pressure CommonRail fuel system. The high capacity VariCool cooling system and air-to-air aftercooling also improve engine performance. This is a tough workhorse engine that won’t let you down!

Roaring with efficiency – the 9.0 L PowerTech PSX
- Green Efficiency fuel economy
- High horsepower + 12% ExtraPower
- High torque rise up to + 44%
- Reduced emissions
In order to comply with tougher emissions regulations and also contribute to more sustainable farming, John Deere has chosen a combined approach to reducing diesel engine exhaust emissions.

**Series Turbocharger**
First, fresh air is drawn into the low-pressure turbocharger (fixed geometry) and compressed. Next, it is drawn into the high-pressure turbocharger (variable geometry) for additional compression. The high-pressure air is then routed through a charge air cooler and into the engine’s intake manifold. By splitting the work between two turbochargers, both can operate at peak efficiency and at slower rotating speeds. This reduces the stress on turbocharger components and improves reliability.

Series turbocharging delivers more boost pressure than single turbocharger configurations. That means higher power density, improved low-speed torque, fuel economy and better high-altitude operation.

**EGR: Cooled Exhaust Gas Recirculation**
EGR lowers peak combustion temperatures and reduces nitrogen oxides (NOx) by cooling and mixing measured amounts of cooled exhaust gas with incoming fresh air.

**Exhaust filters**
John Deere Power Tech PSX engines use a catalysed exhaust filter that contains a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF). The DOC reacts with exhaust gases to reduce carbon monoxide, hydrocarbons and some particulate matter (PM). The downstream DPF traps and holds the remaining PM. Trapped particles are oxidized inside the DPF by a continuous cleaning process called passive filter cleaning. Passive filter cleaning takes place during normal operating conditions, when heat from the exhaust filter triggers the oxidation of the trapped PM.

To help the engine respond more quickly to load changes, the cooling package has been redesigned for greater capacity – so you get a bigger surge of power where and when you need it most (e.g. during heavy draft applications or PTO operations). The cooling package includes a new high efficiency cooling fan, a bigger radiator and the VariCool cooling system that automatically adjusts fan speeds to maintain an optimum operating temperature.

Fixed & variable geometry turbochargers
Dual turbochargers ensure excellent torque even at low engine speeds, improved engine response and enhanced fuel economy.

New radiator
The large radiator improves engine cooling capacity and folds out for fast and easy servicing or cleaning.

**Fulfilling Stage III B standards**

1. Diesel oxidation catalyst (DOC)
2. Diesel particulate filter (DPF)

**Self-cleaning filter**
An advanced, self-cleaning exhaust filter helps to remove even the smallest particles when cleaning is in progress. The Filter Cleaning Indicator is shown on the CommandCenter display. That’s all the operator will notice about the cleaning process.
Outstanding efficiency: AutoPowr transmission

AutoPowr permits a 50 km/h transport speed at a fuel saving 1713 rpm as well as greater pulling power at lower speeds. There simply isn’t a better drivetrain for the 8R Series.

More versatility. More comfort. More automation. AutoPowr allows maximum fuel efficiency for each application, whether you are using PTO, hydraulic, heavy draft, transport or light draft applications. But don’t worry about finding the right setting, the new AutoMode automatically adjusts the transmission to maximise performance and minimise fuel consumption. Alternatively, with the custom mode you can fine-tune the transmission settings or choose manual mode to maintain maximum power at any time.

**AutoPowr transmission benefits:**

- Consistent performance for improved fuel economy
- An unlimited range of operating speeds between 0.05 and 50 km/h
- Easy to operate
- Smooth, seamless speed changes
- Stopping and reliable parking regardless of load or incline
- Automatic optimisation of performance and fuel efficiency
- Possibility to set the precise ground speed for each individual application
- High mechanical power utilisation at field and transport speeds for high performance and low fuel consumption

AutoPowr with AutoMode is standard on the 8360R and optionally available on all other 8R Series tractors.

Left-hand reverser
Instantly change direction without readjusting your speed (right-hand reverser option also available).

Speed adjusting wheel
With an easy to operate thumbwheel, set the maximum forward or reverse speed for each speed band; the Electronic Management System ensures smooth, quick and powerful acceleration or deceleration, regardless of load or ground speed.
The John Deere Automatic PowerShift Transmission (with 16 forward and 5 reverse speeds) delivers field-proven performance you can count on. It improves fuel efficiency and productivity by quietly and smoothly shifting to match changing conditions.

**Automatic PowerShift benefits:**

- Reliable and easy to use
- No need to shift during load changes
- Transport up to 42 km/h

Grace under pressure
The responsive Automatic PowerShift transmission easily handles sudden peak loads, increasing productivity and efficiency.

Easy to use
Operating the automatic PowerShift transmission is as easy as moving your thumb.

Quick to adapt
Automatic PowerShift automatically shifts down and reduces engine rpm during a headland turn; at the end of the turn the transmission shifts back up again.
Brake with confidence

The large-diameter rear disc brakes on John Deere 8R Series tractors are designed for long-life use in the most demanding situations. For better cooling and even longer usage, the 8R Series has oil cooled brakes. So, whatever the situation, only very little pedal effort is required to get solid braking results.

**Front brakes for greater control**

In the base version of all 8R Series tractors with 50 km/h transmission, front brakes are included for even longer durability and shorter stopping distance. Front brakes can also be added as an option to your 8R with 42 km/h transmission, provided AutoPowr or PowerShift transmission with ILS front axle is installed.

**Large load braking**

For towing very large loads, 8R Series tractors may also be equipped with a complete air brake system and/or a hydraulic brake coupler. Either option allocates air and/or oil pressure to your brake-equipped trailer or implement.

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Additional front brakes
Greater stopping power for 50 km/h transmissions, optional on 42 km/h transmissions.

Implement brakes
Brake couplers in the rear ensure reliable control of implement brakes.
Excellent hydraulics: more power, more speed, more comfort

8R Series tractors feature a closed-centre, pressure and flow compensated hydraulic system for steering, brake, hitch and selective control valve (SCV) functions. More than anything, the system is built for utmost reliability.

And there’s plenty of power to go around. The standard 63 cm³ hydraulic pump (8260R and 8285R) easily delivers 166.5 litres/min, while the optional 85 cm³ pump (standard in 8310R, 8335R and 8360R) provides an incredible 227 litres/min. With a 204 bar max. system pressure, your operators will benefit from amazing implement performance and enhanced steering response. Even at low engine speeds.

You also save precious time and money since our two, high capacity hydraulic filters only need to be replaced every 1500 hours!

Control the flow
The GreenStar 3 CommandCenter display lets you monitor flow rates and times, keeping you in control of the hydraulic systems that flow through your tractor.

Take instant action
With the CAN controlled CommandARM console and colour-coded Selective Control Valves, it’s easy to respond to implement requirements, whether you are operating hitches or light draft applications, such as a 12 metre seeder with hydraulic actuator.

Flexible and versatile
The 8R Series is ideally suited to heavy duty applications, including jobs like unloading large trailers. Boost the hydraulic performance of your 8R with the optional hydraulic oil takeout kit.
Give productivity a lift with John Deere hitches

As equipment sizes and tractor horsepower have grown, so have our hitch and drawbar options. With drawbar and ball, pick-up, piton and wagon hitches to choose from, it’s easy to find the solutions that are best suited to your individual applications.

**Three-point hitch**
Our three-point hitches with up to 11.7 tonnes of lift capacity are ideal for many heavy, fully mounted implement tasks.

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**Convenient GreenStar 3 CommandCenter control**
Easily control hitch set-up, depth, height, rate of drop, slip and dampening from the cab.

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**Other features include:**
- Electronic hitch sensing for varying load conditions
- Hitch dampening for improved ride stability
- Sway blocks and sway stabilisers for peace of mind
- iTEC system technology for total implement management
- Load Anticipation Function (AutoPowr only)

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The improved weight distribution of the 8R Series tractors and high capacity rear hitches make it possible to lift the heaviest 3-point mounted implements.
Built-in versatility: Power Take Off

We do all we can to help you do more. That’s why, for example, our 8R Series tractors are ISOBUS ready. This plug-and-play technology enhances performance and prepares you for future developments. Plus, since you only need one display to control your ISOBUS compatible implements, it saves money, too.

Think of our 8R Series tractors as self-contained power plants for operating power harrows, large grain trailers, manure spreaders, wood chippers or balers – you name it!

An independent 1000 rpm PTO is standard on all 8R Series tractors. Rely on the 45 mm 20-spline shaft to handle heavy loads requiring lots of power.

Or choose from two options:

– 35 mm 6 spline (540 rpm)
– 35 mm 21 spline (1000 rpm)

Push-button PTO controls are conveniently located on the CommandARM console. Together with the AutoPowr transmission, you’ll maintain consistent PTO performance. Even when ground speeds are very slow or loads vary.

PTO engagements are ideal for applications such as power harrowing and baling, ensuring uniform starts and stops, while protecting implements from high torque overload.

Easily control your ISOBUS-compatible implements, like adjusting the air seeder via the GreenStar 3 CommandCenter display.
John Deere reliability beyond Agriculture

The 8R Series tractors' speed, power and comfort make them ideal for a variety of uses beyond the realm of agriculture. Contractors in particular will be pleased to know that their investment will be in demand all year round. Also because, at the end of the day, John Deere’s top productivity and efficiency enable higher profitability across all applications.

The most important areas of non-agricultural use for the 8R Series are road construction, wood chipping, land levelling and earth moving.

Road construction
For soil stabilisation in road construction, John Deere 8R Series tractors have optimal PTO power to stabilise depths of up to 0.5 m.

Wood chipping
John Deere 8R Series tractors are well suited to certain forestry applications such as wood chipping.

Land levelling and earth moving
You can attach a Carry-all or Ejector scraper implement to your 8R Series tractor to perform a variety of land levelling and earth moving tasks. Scraper widths range from 3 to 4.2 metres with capacities starting at 9.9 m³ and going right up to 16 m³.*

*Not available in all countries

Engineered to fit
With a high load capacity of up to 4.7 m and 2.4 t you are prepared with the John Deere loader for ample operation.
Our offer to contractors

Having one or more 8R Series tractors at your disposal brings many advantages, starting with the benefits of the tractors themselves: top performance, fuel savings thanks to low engine speeds and suitability for transport thanks to ActiveCommand Steering and the advanced braking system.

John Deere also offers tailor-made business solutions to support your operations:

Stay protected
With the John Deere PowerGard Protection Plan you will receive extended warranty.

Stay informed
The John Deere Business Pack I** is an automated documentation tool that delivers precise job, fuel and transport documentation. The business solution also supports error-free operations in the field by providing job details on the GreenStar 2630 display.

Stay connected
JDLink* is a wireless communication and information solution. JDLink Select provides visualised up to date information for better control of where your machines are located, when and how many hours they were working out in the field.

In addition, JDLink Ultimate enables you to dive deeper into the machine data, e.g. analysing fuel consumption, engine load or working hours and thus to improve efficient utilisation of your fleet.

* Not available in all countries
** Not available in all countries
Inflate performance – with the proper tyres and pressure

John Deere 8R Series tractors offer many useful features. But to get the highest performance, you need the proper ballast, tyres and tyre inflation pressures.

**Four things to remember about tyres:**
1. Choose tyres that best suit the application, e.g. transporting, seeding and cultivating, in-furrow ploughing.
2. Inflate a tyre to the correct pressure and it will provide a long “footprint” (large contact area) on the soil: the single most important factor influencing traction and efficiency.
3. Use the largest tyres permitted at the lowest inflation pressures allowed. Low inflation pressures minimise soil compaction and maximise traction. Always use your Operator’s Manual to adjust inflation pressures.
4. Demand quality. Your John Deere dealer has a wide selection of front and rear tyres that are ideally suited to your 8R Series tractor.

Optimise these factors to:
- Put more power to the ground
- Improve fuel economy
- Increase traction
- Limit soil compaction
- Enhance crop yields
- Maximise ride comfort
- Minimise power hop and road lope

Check your tyre pressure
The wrong tyre pressure can result in loss of traction, excessive tyre wear and soil compaction; refer to your operator’s manual to find the best tyre pressure for the task you are performing.

Choose the correct ballast: light for PTO and transport, heavier for optimum in-field performance and heavy draft applications.
The 8R Series tractor is suited for 900 kg, 1150 kg monster weights and for the 50 kg suitcase weights for quick ballast changes.

Removable rear wheel weights are available in 75, 205 and 645 kg sizes to help you better manage tractor ballast.

Give productivity more weight

Correct ballasting maximises performance in the field. Too little weight applied to the tyres will result in slippage. So if tractor power increases in the field, tractor ballast should increase, as well. Simply put: for field work you must have the correct weight at all times on both front and rear axles.

Words to the wise:

– A tractor correctly ballasted for a given type of implement has the correct total weight distribution.

– Where you apply ballast depends on the type of implement being used and the field travel speed.

– Liquid ballast should only be used in tyres when other ballast options are not available.

See your John Deere dealer for advice and the weights you need to optimise your tractor’s performance.
The 8R Series provides instant access to all critical functions and parts for fast and easy daily servicing.

– Service points are reached from ground level.
– Sight glasses are built into most fluid cases.
– Fluid fill ports and grease points are within easy reach.

The engine air, cab fresh air and recirculation filters can be inspected and changed without tools. Maintenance free bushings, bearings and drive shafts are incorporated wherever possible.

Save costs. Save effort.

Your John Deere dealer will keep your 8R Series tractor running in top condition. He provides Service ADVISOR and Service ADVISOR remote diagnostics for fast and reliable inspections. He uses only the best quality: John Deere parts. And he works with experts you can trust: John Deere trained service technicians.

Operator and owner friendly

– Easy maintenance and access
– Extended oil service intervals
– High reliability and low costs
– High quality of JD original parts

Changing the cab filter is easy
Protect the equipment you depend on with the products you depend on – John Deere Lubricants

John Deere lubricants, greases and coolants are the ideal way to keep your machinery in top shape. They ensure power-packed performance, deliver long lasting protection and they’re developed by the company that knows your technology best: John Deere.

**Plus-50 II**

Plus-50 II premium engine oil has been designed to provide advanced lubricant performance in modern low emission engines and to meet the requirements of heavy-duty off-road applications. It is recommended for four-stroke naturally aspirated, turbocharged and supercharged diesel engines with Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Exhaust Gas Recirculation (EGR). It’s designed to extend oil drain intervals up to 500 hours and ensure a longer engine life.

Whilst Plus-50 II oil is engineered for Stage III B engines, it is also backwards compatible with other engine types and is also recommended for use in all legacy diesel engine applications where Plus-50 has been in use.

**Cool-Gard II**

Heavy-duty engines require heavy-duty protection. That’s why automotive-grade products are no match for Cool-Gard II Coolant and Antifreeze. Cool-Gard II is engineered to match the high-performance standards of John Deere equipment – it’s a ready to use high performance coolant fluid for direct use in the engine cooling systems. It minimises the formation of deposits, prevents foaming in use and offers protection over a wide temperature range. A wetting agent improves contact between the product and the surfaces to be protected.

### Sample Items

- **Plus-50 II – engine oil**
  - VC50002x020, 20 l
  - (also available in x001, x005, x050, x200 l)

- **Cool-Gard II – coolant**
  - VC76215-020, 20 l
  - (also available in -005, -200 l)

- **Hy-Gard – hydraulic and transmission oil**
  - VC81824-020, 20 l
  - (also available in -005, -200 l)

- **Grease-Gard Premium Plus – grease**
  - VC67009x004, 400 g cartridge
  - (also available in x005, x020, x050 kg)

- **Wave Cap**
  - MCJ099335000

- **Polo Shirt**
  - size S to XXXL
  - MCO590002852-57

- **Overall**
  - size 46 to 62
  - MCS104061046-62

- **Radio-Controlled John Deere Tractor 8345R**
  - MCU677200000

John Deere collection items can be purchased online or at your local dealership. Sample items include:
### ENGINE PERFORMANCE

<table>
<thead>
<tr>
<th></th>
<th>8260R</th>
<th>8285R</th>
<th>8310R</th>
<th>8335R</th>
<th>8360R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power (97/68 EC) without IPM, kW (hp)</td>
<td>191 (260)</td>
<td>210 (285)</td>
<td>228 (310)</td>
<td>246 (335)</td>
<td>265 (360)</td>
</tr>
<tr>
<td>Maximum Power (97/68 EC) @ 1900 engine rpm without IPM, kW (hp)</td>
<td>210 (286)</td>
<td>231 (314)</td>
<td>251 (341)</td>
<td>271 (369)</td>
<td>291 (396)</td>
</tr>
<tr>
<td>Rated Power (97/68 EC) with IPM, kW (hp)</td>
<td>217 (295)</td>
<td>235 (320)</td>
<td>254 (345)</td>
<td>272 (370)</td>
<td>291 (395)</td>
</tr>
<tr>
<td>Maximum Power (97/68 EC) @ 1900 engine rpm with IPM, kW (hp)</td>
<td>220 (299)</td>
<td>240 (326)</td>
<td>260 (354)</td>
<td>281 (381)</td>
<td>301 (409)</td>
</tr>
<tr>
<td>Rated Power (ECE-R24) without IPM, kW (hp)</td>
<td>184 (250)</td>
<td>201 (274)</td>
<td>219 (298)</td>
<td>237 (322)</td>
<td>254 (346)</td>
</tr>
<tr>
<td>Maximum Power (ECE-R24) @ 1900 engine rpm without IPM, kW (hp)</td>
<td>202 (275)</td>
<td>221 (301)</td>
<td>241 (327)</td>
<td>260 (354)</td>
<td>280 (380)</td>
</tr>
<tr>
<td>Maximum Power (ECE-R24) @ 1900 engine rpm with IPM, kW (hp)</td>
<td>211 (287)</td>
<td>230 (313)</td>
<td>250 (340)</td>
<td>269 (366)</td>
<td>289 (393)</td>
</tr>
<tr>
<td>Engine Peak Torque @ 1600 engine rpm in Nm</td>
<td>1217</td>
<td>1334</td>
<td>1452</td>
<td>1569</td>
<td>1686</td>
</tr>
</tbody>
</table>

### ENGINE SPECIFICATIONS

- **Rated Speed, rpm**: 2,100
- **Manufacturer**: John Deere PowerTech PSX (B20 Diesel Compatible), Stage III B Emissions Certified
- **Type**: Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head
- **Filter, engine air**: Dual stage with engine cooling fan aspiration
- **Aspiration**: Dual Series Turbocharger with fixed geometry first stage – variable geometry second stage – air-to-air aftercooling and cooled exhaust gas recirculation
- **Displacement, bore and stroke**: 9.0 litre, 118.4 mm x 136 mm
- **Cooling Fan Drive**: VariCool – variable speed cooling fan drive system
- **Fuel Injection System & Control**: Electronically controlled, high-pressure CommonRail with electric fuel transfer pump (self priming)

### TRANSMISSION OPTIONS

- **PowerShift**: 16F/5R full PowerShift speeds w/ fully autom. shifting & Field CruiseControl
- **Speed range**: Standard (42 km/h with group 48 tyres, 39.9 km/h with group 47 tyres)
- **Automatic shifting**: Shifting in relation to throttle position & load for transport & field applications
- **AutoPower**: Infinitely variable transmission with full electronic engine and transmission management, AutoClutch, PowerZero, variable reverser ratio and FieldCruise

### FRONT AXLES

- **Independent Link Suspension with Hydraulic Differential Lock, Enclosed Driveline**: Optional
- **Independent Link Suspension with Hydraulic Differential Lock, Wet Multi-Disc Brakes and Enclosed Driveline**: Optional available with 40 km/h, standard with 50 km/h transmission option
- **Suspension System**: Hydro-pneumatic, permanently active, automatic levelling, automatic load compensation and draft active geometry for 3-point hitch implements

### STEERING

- **Hydraulic Power-Steering with electric pump back-up**: Standard
- **ActiveCommand Steering (ACS) with electric pump back-up**: Optional

### HYDRAULIC SYSTEM

- **Type**: Closed-centre, PFC System (pressure & flow compensating) load sensing with dedicated axial piston type pump
- **Main pump, axial piston (displacement)**: 63 ccm standard, 85 ccm optional
- **Maximum pressure, bar**: 204 (± 3 bar)
- **Rated Flow, 63 cccm pump, l/min**: 166.6
- **Available Flow at a single SCV, l/min**: 132

### 3-POINT HITCH – REAR

- **Type**: Electro-hydraulic with full electronic lower link draft sensing, Hitch dampening. External fender mounted control switches
- **Category 3/3N with Ball/Hook Style Ends – All Axle Diameters Only Sway Blocks, kg**: 6,862 / 9,562 Maximum Hitch Lift Capacity**
## Specifications

<table>
<thead>
<tr>
<th>Category 3/3N with Ball/Hook Style Ends – 120 mm Axle only</th>
<th>8260R</th>
<th>8285R</th>
<th>8310R</th>
<th>8335R</th>
<th>8360R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sway Blocks or Deluxe Sway Stabilizers, kg</td>
<td>Optional</td>
<td>7,665 / 10,788 Maximum Hitch Lift Capacity**</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Category 4N/3 with Ball/Hook Style Ends – 120 mm Axle only</td>
<td>8,436 / 11,762 Maximum Hitch Lift Capacity**</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Sway Blocks or Deluxe Sway Stabilizers, kg</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

### Rear PTO

<table>
<thead>
<tr>
<th>PTO Clutch</th>
<th>Independent oil cooled multiple disc</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTO Engagement</td>
<td>Electro-Hydraulically engaged and braked. External fender mounted control switches</td>
</tr>
<tr>
<td>45 mm (1 3/4&quot;), 20-spline, 1000 rpm</td>
<td>Optional</td>
</tr>
<tr>
<td>45 mm (1 3/4&quot;), 20-spline, 1000 rpm; capable of 38 mm (1 3/8&quot;), 6-spline, 540/1000 rpm</td>
<td>Optional</td>
</tr>
<tr>
<td>45 mm (1 3/4&quot;), 20-spline, 1000 rpm with 38 mm (1 3/8&quot;), 6-spline, 540/1000 rpm gearcase</td>
<td>Optional</td>
</tr>
<tr>
<td>PTO Speed @ Engine RPM</td>
<td>1000 PTO rpm @ 2003 engine rpm and 540 PTO rpm @ 1818 engine rpm for PowerShift transmission</td>
</tr>
<tr>
<td>1000 PTO rpm @ 2000 engine rpm and 540 PTO rpm @ 1815 engine rpm for AutoPower</td>
<td></td>
</tr>
</tbody>
</table>

### Cab

<table>
<thead>
<tr>
<th>Type</th>
<th>CommandView II Cab, with ComfortCommand Seat with adjustable right hand CommandARM Arremst Controls with integrated 7&quot; Colour CommandCenter Display.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound reduction/Drivers ear noise level (77/311/EEC)</td>
<td>Passive noise reduction system, 73 dB(A) in-cab sound level</td>
</tr>
<tr>
<td>Cab Glass Area, m²</td>
<td>6.52</td>
</tr>
<tr>
<td>Cab Volume, m³</td>
<td>3.597</td>
</tr>
<tr>
<td>Radio Options</td>
<td>Deluxe or Premium Radio Package</td>
</tr>
</tbody>
</table>

### Miscellaneous

| AutoTrac Ready | Standard |
| Modular Telematics Gateway (MTG) | Factory Installed Option: JDLink Select or JDLink Ultimate |
| Service ADVISOR Remote | Capable with MTG Hardware |
| ISOBOSS Implement Connection | Standard (ISO 11783) |
| CommandCenter, Video capable (Touch screen only) | Single video input for camera with PAL & NTSC signal |
| Immobilizer | Optional |

### Capacities

| Fuel Tank, l | 695 |
| Cooling System, l | 41.0 |
| Crankshaft oil volume | 25.0 |
| Transmission, Differential, Hydraulic System (MFWD / ILS), l | 1300 MFWD, l 28.0 |
| ILS, l | 1500 MFWD, l 28.5 |
| 1300 MFWD axle housing, l | 165 / 175 |
| 1500 MFWD axle housing, l | n/a |
| 1300 MFWD / 1500 MFWD and ILS wheel hubs, each, l | 18.7 |

### Wheelbase

| MFWD / ILS, mm | 3050 / 3020 |
| MFWD / ILS axle clearance, mm | 685.8 / 590 |
| Turning Radius*** – 600/70R30 group 43 front tires @ 74.1" spacing, ILS, m | 6.09 |

### Dimensions and Weights

| Width x Height x Length, mm | 2506 x 3285 x 6116**** |
| With rear tyre size (tire size optional available) | 710 / 70R42 |
| Average Standard Weight less front weights | 13,003 kg |

*Base tractor configuration on level ground, with specified tires groups above at manufacturer recommendation for tire pressure. Engine rpm are load dependant.

** 1st number is sustained lift capacity at 610 mm behind coupler jaw with center link in top hole, 2nd number is measured at the coupler jaw.

*** See Operator’s Manual for other tire spacing and turn radius.

**** Measured from front weight support to the Cat 4 lower links in horizontal position.
We do it all for you

Providing solutions to your challenges!
John Deere is committed to keeping you up and running. That’s why our products and technologies are quality-built, state-of-the-art and efficient.

We’ve invested so much time in building an effective dealer network so we can be like a good neighbour – there to help when you need us.

That’s why all our dealer employees are John Deere trained. They know every nut and bolt on your equipment and they’re skilled at diagnosing any potential problems.

Count on John Deere for all your tractor needs. With nearly 170 years of experience in the farm equipment business, we can honestly say: reliability is our strength.