

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.



New PowerTech PSX 9.0 L engine
Future ready single-fluid and Stage III B emissions compliance

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





Perfection comes with the details

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.



New ActiveCommand Steering

Increased steering comfort and control in the field and on the road



7" CommandCenter TouchScreen & Video display

Increased operating comfort

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*

8R Series tractor models (rated power 97/68 EC):

- 8260R – 191 kW (260 hp) (295 hp with Intelligent Power Management)
- 8285R – 210 kW (285 hp) (320 hp with Intelligent Power Management)
- 8310R – 228 kW (310 hp) (345 hp with Intelligent Power Management)
- 8335R – 246 kW (335 hp) (370 hp with Intelligent Power Management)
- 8360R – 265 kW (360 hp) (395 hp with Intelligent Power Management)

* Std equipment in UK and Ireland

XXXL comfort: CommandView II Cab

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 air flow. 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.



Perfect view 4-post cab

High total glass area for enhanced visibility, greater sense of space and perfect view of implements



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.



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.

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.

*Not available in all countries

* Std UK and Ireland

All systems go: the intuitive CommandARM console

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.

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



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



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.

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.



Fast viewing

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

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.



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.



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

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"

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

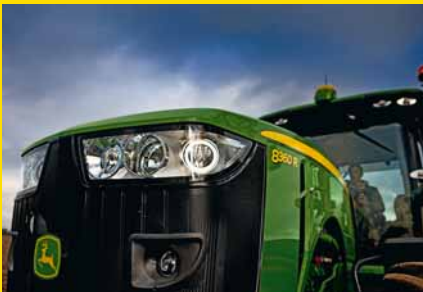
(in addition to Standard)

- 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.



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 function and simultaneously performs multiple tractor functions to automate productivity, e.g. by running AutoTrac and automatically executing complicated headland turns.

*Available in selected countries

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?

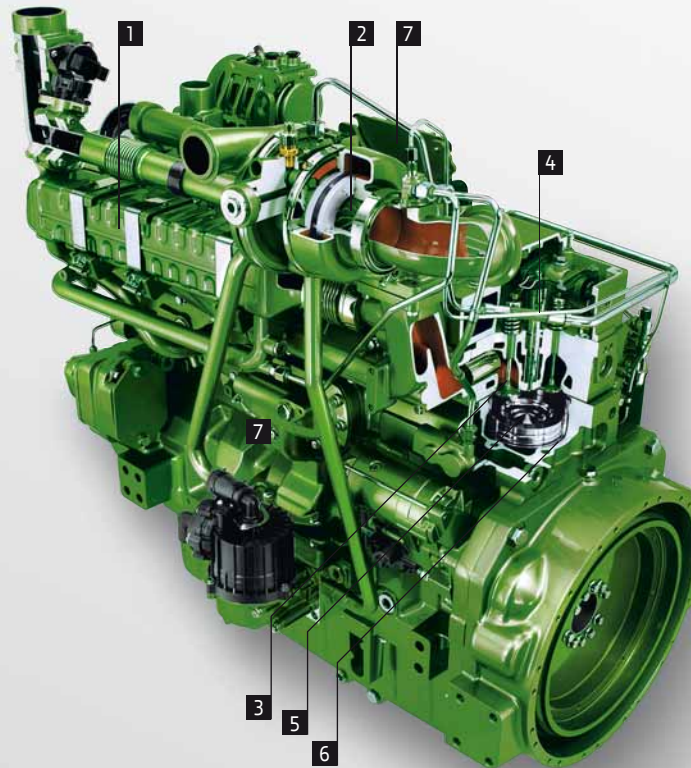
While competitors aim to reduce emissions with a complicated dual-fluid system, John Deere has focused on keeping things simple with a future-ready, single-fluid approach. Basically, we've considerably optimised the performance and efficiency of our already highly fuel-efficient, field-proven and user-friendly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

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!



- 1** EGR cools and mixes measured amounts of cooled exhaust gas with incoming fresh air to lower peak combustion temperatures, thereby reducing NOx.
- 2** The series turbocharger delivers more boost pressure which increases the performance.
- 3** 4-valve cylinder head provides excellent airflow resulting in greater low-speed torque and better transient response time.
- 4** HPCR fuel systems provide variable CommonRail pressure, multiple injections and higher injection pressure with 2000 bar.
- 5** Low-friction, single-piece steel piston improves fuel economy, reduces emissions and increases durability.
- 6** Directed top liner cooling contributes to improved oil control and increased durability.
- 7** John Deere electronic engine controls: faster engine control unit (ECU) manages both, engine and exhaust filter.

Roaring with efficiency – the 9.0 L PowerTech PSX
 – **GreenEfficiency** fuel economy
 – High horsepower + 12% ExtraPower
 – High torque rise up to + 44%
 – Reduced emissions

Fulfilling Stage III B standards

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.

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

New improved cooling package

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.



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.

Low operating costs. High productivity.

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.

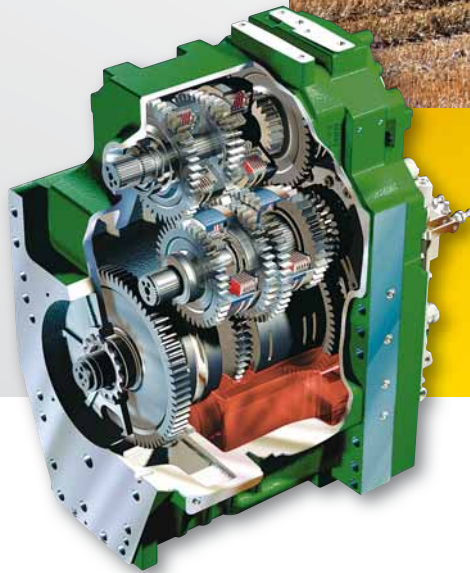
Automatic PowerShift benefits:

- 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 AutoPower or PowerShift transmission with ILS front axle is installed.

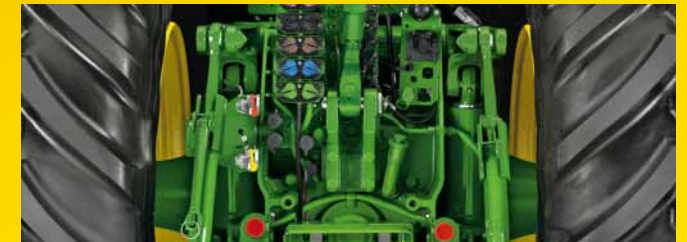
Large load braking

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.



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.

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)



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.



Convenient GreenStar 3 CommandCenter control

Easily control hitch set-up, depth, height, rate of drop, slip and dampening from the cab.

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 AutoPower 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.

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

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.



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.





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 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.

Service with a smile – your own!

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.

Something special

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



[5]



[7]



[6]



[8]

[1] Plus-50 II – engine oil

VC50002x020, 20 l

(also available in x001, x005, x050, x200 l)

[2] Cool-Gard II – coolant

VC76215-020, 20 l

(also available in -005, -200 l)

[3] Hy-Gard – hydraulic and transmission oil

VC81824-020, 20 l

(also available in -005, -200 l)

[4] Grease-Gard Premium Plus – grease

VC67009x004, 400 g cartridge

(also available in x005, x020, x050 kg)

[5] Wave Cap

[6] Polo Shirt size S to XXXL

[7] Overall size 46 to 62

[8] Radio-Controlled John Deere Tractor 8345R

MCJ099335000

MCO590002852-57

MCS104061046-62

MCU677200000

SPECIFICATIONS	8260R	8285R	8310R	8335R	8360R
ENGINE PERFORMANCE					
Rated Power (97/68 EC) without IPM, kW (hp)	191 (260)	210 (285)	228 (310)	246 (335)	265 (360)
Maximum Power (97/68 EC) @ 1900 engine rpm without IPM, kW (hp)	210 (286)	231 (314)	251 (341)	271 (369)	291 (396)
Rated Power (97/68 EC) with IPM, kW (hp)	217 (295)	235 (320)	254 (345)	272 (370)	291 (395)
Maximum Power (97/68 EC) @ 1900 engine rpm with IPM, kW (hp)	220 (299)	240 (326)	260 (354)	281 (381)	301 (409)
Rated Power (ECE-R24) without IPM, kW (hp)	184 (250)	201 (274)	219 (298)	237 (322)	254 (346)
Maximum Power (ECE-R24) @ 1900 engine rpm without IPM, kW (hp)	202 (275)	221 (301)	241 (327)	260 (354)	280 (380)
Maximum Power (ECE-R24) @ 1900 engine rpm with IPM, kW (hp)	211 (287)	230 (313)	250 (340)	269 (366)	289 (393)
Engine Peak Torque @ 1600 engine rpm in Nm	1217	1334	1452	1569	1686
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				
16-speed PowerShift, 16F, 5R with APS (Auto PowerShift)	Standard (42 km/h with group 48 tyres, 39.9 km/h with group 47 tyres)				n/a
Speed range	8 field working speeds. 2 – 42 km/h forwards, 1.8 – 16 km/h reverse				n/a
Automatic shifting	Shifting in relation to throttle position & load for transport & field applications				n/a
AutoPowr	Infinitely variable transmission with full electronic engine and transmission management, AutoClutch, PowerZero, variable reverse ratio and FieldCruise				
JD AutoPowr 0.05 – 42 km/h	Optional 42 km/h @ 1434 ECO engine rpm* with group 48 tyres				Standard
JD AutoPowr 0.05 – 50 km/h	Optional 50 km/h @ 1713 ECO engine rpm* with group 48 tyres				
Speed range	Infinite – 50 m/h to 42 km/h or 50 km/h				
Modes	3 Modes – Auto Mode, Custom Mode & Manual Mode				
FRONT AXLES					
Independent Link Suspension with Hydraulic Differential Lock, Enclosed Driveline	Optional		Standard		
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	406 mm Steering Wheel; Ratios/Turns Lock-to-Lock: -ILS 17.8:1 / 4.1, -1500 MFWD 20.1 / 4.4, -1300 MFWD 14.2:1 / 3.4				Standard
ActiveCommand Steering (ACS) with electric pump back-up	345 mm Steering Wheel, Variable ratio 15:1 to 23:1 (3.1 – 5.0 Turns Lock-to-Lock) with Dynamic Road Offset Control and passive tactile feedback				Optional
HYDRAULIC SYSTEM					
Type	Closed-centre, PFC System (pressure & flow compensating) load sensing with dedicated axial piston type pump				
Selective control valves	4 Standard, 3 and 5 Optional				
Electro-hydraulic selective control valves	Neutral, raise, lower and float. Adjustable flow with temperature compensation. Selectable detents. Load check valves and release assistors				
Main pump, axial piston (displacement)	63 ccm standard, 85 ccm optional		85 ccm standard		
Maximum pressure, bar	204 (± 3 bar)				
Rated Flow, 63 ccm pump, l/min	166.6		n/a		
Rated Flow, 85 ccm pump, l/min	227.1				
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	Standard 6,862 / 9,562 Maximum Hitch Lift Capacity**		n/a		

SPECIFICATIONS	8260R	8285R	8310R	8335R	8360R
Category 3/3N with Ball/Hook Style Ends – 120 mm Axle only Sway Blocks or Deluxe Sway Stabilizers, kg	Optional 7,665 / 10,788 Maximum Hitch Lift Capacity**			n/a	
Category 4N/3 with Ball/Hook Style Ends – 120 mm Axle only Sway Blocks or Deluxe Sway Stabilizers, kg	Optional 8,436 / 11,762 Maximum Hitch Lift Capacity**			Standard 8,436 / 11,762 Maximum Hitch Lift Capacity**	
REAR-PTO					
PTO Clutch	Independent oil cooled multiple disc				
PTO engagement	Electro-Hydraulically engaged and braked. External fender mounted control switches				
45 mm (1 3/4"), 20-spline, 1000 rpm			Standard		
45 mm (1 3/4"), 20-spline, 1000 rpm; capable of 38 mm (1 3/8"), 6-spline, 540/1000 rpm	Optional			n/a	
45 mm (1 3/4"), 20-spline, 1000 rpm with 38 mm (1 3/8"), 6-spline, 540/1000 rpm gearcase		Optional			n/a
PTO Speed @ Engine RPM	1000 PTO rpm @ 2003 engine rpm and 540 PTO rpm @ 1818 engine rpm for PowerShift transmission 1000 PTO rpm @ 2000 engine rpm and 540 PTO rpm @ 1815 engine rpm for AutoPower				
CAB					
Type	CommandView II Cab, with ComfortCommand Seat with adjustable right hand CommandARM Armrest Controls with integrated 7" Colour CommandCenter Display. Optional: Deluxe CommandView II cab or Premium CommandView II cab with John Deere ActiveSeat. Optional: CommandCenter TouchScreen 7" Colour Display & Video Ready.				
Sound reduction/Drivers ear noise level (77/311/EEC)	Passive noise reduction system, 73 dB(A) in-cab sound level				
Cab Glass Area, m ²	6.52				
Cab Volume, m ³	3.597				
Air System	Manual Temperature control located in cab roof. Optional Automatic Temperature Control with controls located on CommandArm.				
Radio Options	Deluxe or Premium Radio Package				
MISCELLANEOUS					
AutoTrac Ready	Standard				
Modular Telematics Gateway (MTG)	Factory Installed Option: JDLink Select or JDLink Ultimate				
ServiceADVISOR Remote	Capable with MTG Hardware				
ISOBUS 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					
1300 MFWD, l	25.0			n/a	
1500 MFWD, l			28.0		
ILS, l			28.5		
Transmission, Differential, Hydraulic System (MFWD / ILS), l			165 / 175		
1300 MFWD axle housing, l	13.6			n/a	
1500 MFWD axle housing, l			18.7		
1300 MFDW / 1500 MFWD and ILS wheel hubs, each, l			3.8		
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					
ILS/IVT/645 kg inner weights/front weight support, Cat4 hitch with Ball/Hook style ends, 3 in 1 with Piton hitch, Tires: 710/70R42 rear singles, 600/70R30 front singles	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 substained 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

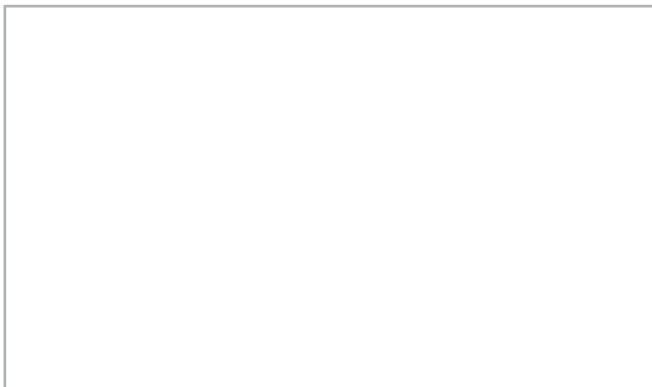
Providing solutions to your challenges!

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.



JohnDeere.com



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