

# 8R/8RT Series Tractors

217 to 291 kW (295 to 395 hp) 97/68EC 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 to ensure you stay refreshed and productive on your long working days and nights! With the John Deere 8R Series, your future will be more productive.

The innovative 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 additional fluids that need extra attention. With no extra hassles and no extra fluids. You just fill up with diesel 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.

By thoroughly upgrading our 8R Series tractors, we have preserved the highest levels of performance and efficiency, while integrating a wide range of powerful new features and at the same time enhancing the pulling power of these legendary tractors.

Flexibility and control. Comfort and reliability. High productivity and low cost of ownership. 8R Series tractors are an ideal choice for farmers and contractors when time is at a premium.

### 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 to 758 (8RT) litre fuel tank
- JD Link Ultimate



### 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)



**8RT Series tracked tractor models (rated power 97/68 EC):**

**8310RT** – 228 kW (310 hp) (345 hp with Intelligent Power Management)

**8335RT** – 246 kW (335 hp) (370 hp with Intelligent Power Management)

**8360RT** – 265 kW (360 hp) (395 hp with Intelligent Power Management)

## Perfection comes with the details

In addition to continued optimal performance and reduced operating costs, all 8R/8RT Series tractors can be tailored to meet your job-specific requirements. Whatever your daily operations demand, we will help fine-tune your 8R/8RT tractor to easily and efficiently get the job done.

### Options that power your business:

- Exclusive ActiveCommand Steering
- Factory installed front Hitch and front PTO (only 8R)
- Choice of PowerShift or AutoPowr (standard on 8360R/8360RT) Transmission
- CommandCenter 3 display with touch screen & video functions
- Optional Touch Screen GreenStar 3 Display 2630
- Cat IV rear hitch (standard on 8310R/RT, 8335R/RT and 8360R/RT)
- Exclusive independent link suspension front axle (only 8R)
- Premium HID lighting (Xenon)
- Exclusive John Deere ActiveSeat
- Leather Package (steering wheel, operator and instructor seat) with heated operator seat
- Front brake option (standard on 50 km/h wheel models)
- New immobilizer key
- Data Tag Security Identification

## 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.

### Wide open spaces

Stretch out in the spacious interior, with optimum visibility 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. It also has '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.

### 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.





The leather trim package features a leather-wrapped steering wheel, a heated leather operator seat and a leather instructor seat



#### Perfect view 4-post cab

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



#### Optional John Deere ActiveSeat

The optional ActiveSeat is extraordinary: it insulates you from up to 90% of the 8R 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 Touch Screen & Video display

Relax and let your fingertips do the work! The new touch screen 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 can be 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 side or behind.

\*Not available in all countries

## All systems go: the intuitive CommandARM console

The **CommandARM console** with integrated GreenStar 3 **CommandCenter** puts everything you need within easy reach.

Controls such as the **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 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 on 8R Tractors
- 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 GreenStar 3 CommandCenter Touch Screen & 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 features AMS applications like AutoTrac or Sprayer Pro in Base

### 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 for additional monitors.

### Benefit from maximum productivity with ISOBUS

Both the CommandCenter and the optional CommandCenter Touch Screen & 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 also enhanced. 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.

### 8R's ActiveCommand Steering: the 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.

- **Dynamic road wheel offset control keeps** your tractor on track with minimal effort. It automatically adjusts the road wheel angle based on the lateral acceleration of the tractor to improve vehicle control and improve line-holding ability.
- **Variable Ratio Steering** provides light, agile steering at slower speeds, and heavier steering for higher speeds. 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 lets you feel safe and comfortable. The direct steering response is as comfortable as a car. 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 for 8R Series tractors was awarded with the top innovation prize for new agricultural inventions



### Dynamic road wheel offset control

Improved driving stability with the Dynamic road wheel offset 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/8RT 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. As the tractor maintains the speed you choose at the best possible rpm, re-fuelling stops are fewer and further between.



### Smooth ride

Independent Link Suspension (ILS) ensures maximum traction and optimum driving comfort on 8R Series wheeled tractors. 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/8RT 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

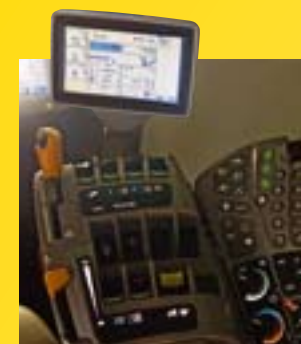
For your convenience, all lighting is easily controlled via the CommandCenter.





## 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.



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



Lighting configurations on 8R Series tractors turn night into day

### Standard

- A** 2 RH side lights
- B** 2 LH side lights
- C** 2 rear lights
- D** 4 amber corner lights
- E** 2 adjustable rear fender lights

### Deluxe (in addition to Standard Lighting Package)

- 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

### Premium (in addition to/ as upgrade of Deluxe Lighting Package)

- F** 2 adjustable front roof lights
- G** 2 front beltline lights
- M** Rotary beacon
- N** 2 HID Xenon lights
- O** 2 HID Xenon lights
- K** 1 HID Xenon light
- L** 1 field light

## 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 cost you save is 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 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 GLONASS 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. You can document precisely what was done, where, when and by whom.

### JDLink telematics

Do you want to manage your fleet of machines more effectively or be alerted if a tractor strays outside a predefined zone? Would you like your own virtual service technician? The JDLink telematics solutions make all that possible!

JDLink Select: the outstanding entry-level solution for location-specific data about the tractors.

JDLink Ultimate: Access to the on-board CANBus system for all key performance data of the tractors.

Service ADVISOR Remote: with your permission, a remote diagnosis by your dealer without having to make a visit

### iGuide

With the iGuide system, the tractor changes its path to compensate for implement drift in uneven terrain and guides the implement passively to a perfect pass-to-pass result!

### iSteer\*

With iSteer the implement actively compensates for off-track drift by using an additional StarFire receiver and hydraulic steering on the implement (requires GreenStar Display 2630 and StarFire 3000 receiver).



\*Available in selected countries

### AutoTrac system – 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

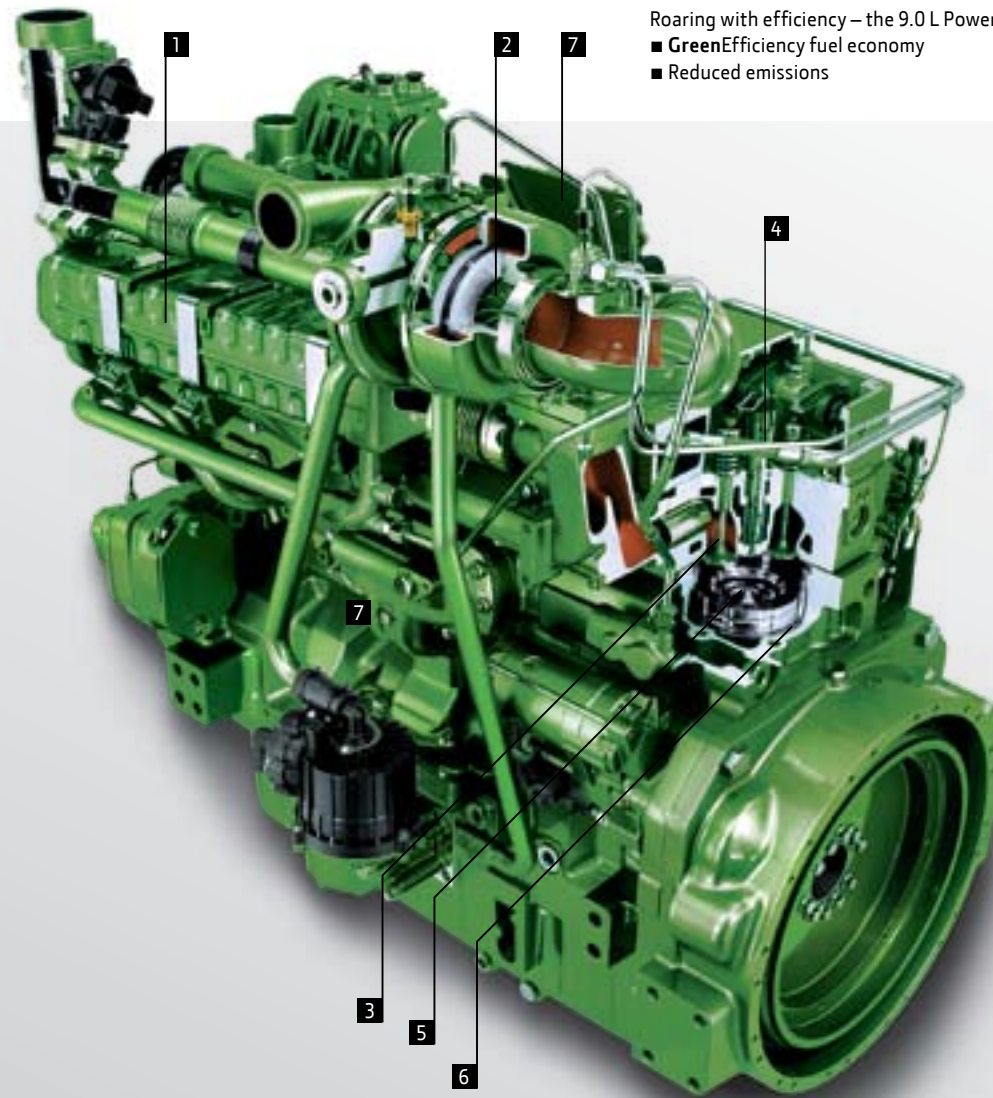
## Top efficiency, top performance

To meet current and future emissions 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?

### Horsepower that won't let you down

The incredible performance and torque output of the 9.0 L 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 common-rail 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

- GreenEfficiency fuel economy
- Reduced emissions

- 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 turbochargers deliver 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 common-rail pressure, multiple injections and higher injection pressure with 2.000 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: A faster engine control unit (ECU) manages both the engine and exhaust filter.



## 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.

## Improved cooling package

The redesigned cooling package with greater capacity 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.



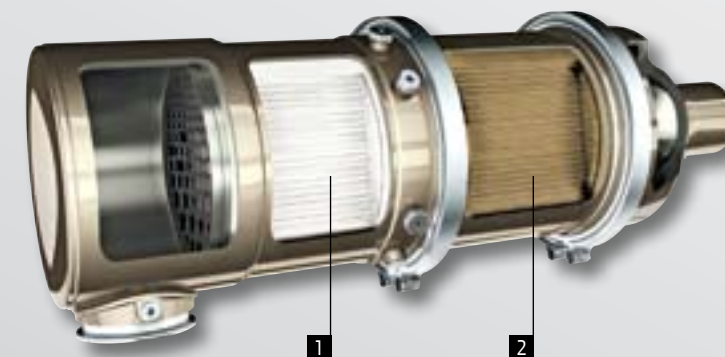
### Fixed & variable geometry turbochargers

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



- 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

## Outstanding efficiency: AutoPowr transmission

AutoPowr permits a 50 km/h transport speed at a fuel saving 1713 rpm on 8R and a 42 km/h transport speed at fuel saving 1434 rpm on 8RT tractors 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 AutoMode automatically adjusts the transmission to maximise performance and minimise fuel consumption.

### AutoPowr transmission benefits:

- Consistent performance for improved fuel economy
- An unlimited range of operating speeds between 0.05 and 42 km/h (8RT) and 50 km/h (8R)
- Smooth, seamless speed changes, easy to operate
- 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/RT and optionally available on all other 8R/RT Series tractors.



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



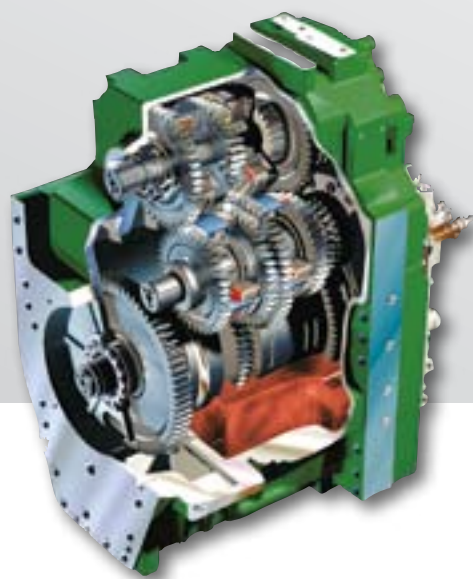
**Speed adjusting wheel**  
With an easy to operate thumbwheel, set the maximum forward or reverse speed for each speed band; the Electronic Management System ensures smooth, quick and powerful acceleration or deceleration, regardless of load or ground speed

## 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
- Field-proven performance
- Improved fuel efficiency and productivity



**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

## 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.



### Implement brakes

Brake couplers in the rear ensure reliable control of implement brakes



### Additional front brakes

Greater stopping power for 50 km/h transmissions, optional on 42 km/h transmissions

## 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 cm<sup>3</sup> hydraulic pump (8260R, 8285R, 8310RT, 8335R and 8360RT) easily delivers 166.5 litres/min, while the optional 85 cm<sup>3</sup> 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!

### 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.



### 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 draft applications

## 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.

### Rear hitch

Our 3-point hitches with up to 12,124 kg of lift capacity are ideal for heavy, fully mounted implement tasks.

- Electronic hitch sensing for varying load conditions
- Hitch dampening for improved ride stability
- Sway blocks and sway stabilizers for peace of mind
- iTEC system technology for total implement management
- Load Anticipation function (AutoPowr only)

### Front Hitch on 8R Tractors

The optional front hitch delivers up to 5200 kg lift capacity

- Two front SCV couplers
- Dual action cylinders for lift and down-pressure
- Remote raise & lower switch
- iTEC compatible
- optional FPTO (see right-hand page for details)



The improved weight distribution of the 8R/8RT 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



## Power meets versatility.



### **NEW front PTO and hitch**

This new factory installed option is available for all 8R Series tractors with an ILS front axle. It has all the features of the front hitch (see left-hand page for details), plus a flanged, interchangeable PTO shaft that runs at 1000 rpm, supports remote engagement and delivers 130 kW (175 hp).

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.

## On track for higher productivity.

Start earlier – and work later – in fields that are too wet, muddy or sloped for a wheeled tractor. The new 8RT gives you more performance and comfort than ever and with less soil compaction. Plus – enjoy the comfort of the optional AutoPowr transmission (Base on 8360RT).

- Consistent performance at reduced engine speeds and unlimited range of operation speeds between 0.05 to 42 km/h with the AutoPowr transmission
- Comfortable CommandView II cab with CommandArm controls
- Up to 42 km/h road speed thanks to unique air-cushion suspension
- More traction, better pulling and a smoother ride
- IPM capability: up to 35 hp more during non-stationary PTO and transport applications
- Inboard planetary drive



The 9.0 L PowerTech PSX engine and the AutoPowr transmission make it easy to “track” down the road at 42 km/h\*.

\* where legally permitted



### Longer

The new 8RT Series has a wheelbase of 2515 mm – that's 254 mm longer than previous 8030T Series tracked tractors. Benefits include greater stability, better weight distribution and balance and a larger footprint that's even easier on fields.



### Smoother

The unique AirCushion Suspension System enables you to work faster and more comfortably in rough terrain. The whole system is automatic and requires no operator adjustment.



### Mid-rollers

The 610 mm Wide Drive Wheel is optional for 625 mm or wider belts. It's strongly recommended for maximum performance and track belt life.

- More traction in firmer soils
- Longer life
- Less track stress (less bending and flexing)
- Less track lug wear (better weight distribution)



### Front idlers

The 8RT uses the same large diameter front idlers as our bigger 9RT tractors.

- larger bending radius on track belts
- stronger design for longer life

The levelling system, unique air cushion suspension and advanced position sensor provide outstanding comfort and versatility.

For maximum reliability and traction, the 8RT undercarriage system uses large drive wheels mid rollers.

## Which track size do I need?

Choosing the correct track width is crucial if you want to get the best out of your 8RT Series. Usually, it's best to choose the widest track available for your particular application, since wider tracks mean:

- Lower ground pressure
- Smoother ride
- More traction in medium to loose soils
- Longer drive wheel and idler life



A walking beam with centre pivot levelling system. More friction drive performance. A new inline tension arm and an improved alignment mechanism that virtually eliminates belt derailing. The new 8RT is built for years of service in the toughest conditions.

**600 – 760 mm tracks**

These tracks are suitable for all primary and secondary tillage operations. Tractors dedicated to non row-crop operation should run on wide tracks. Wide drive wheels are recommended; this serves for better performance and longer track belt life.

**DURABUILT 3500 SERIES**

This track is appropriate for use in all primary and secondary tillage operations. The treadbars are specifically designed to provide good soil penetration, traction and cleanout in agriculture applications.

**DURABUILT 5500 SERIES**

These tracks are specifically designed to meet the requirements of the most demanding applications and have specialised tread configuration like more treadbar rubber volume and wider footprint treadbars optimised for operation on hard surfaces.

## John Deere reliability beyond Agriculture

The 8R Series tractors' speed, power and comfort make them ideal for a variety of uses beyond the realms of agriculture. Particularly contractors 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 leveling and earth moving.

### Road construction

For soil stabilisation in street 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/8RT Series tractor to perform a variety of land leveling and earth moving tasks. Scraper widths range from 3 to 4.2 metres with capacities starting at 9.9 m<sup>3</sup> and going right up to 16 m<sup>3</sup>.\*



\*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



John Deere 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 visualized 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.

With **Service ADVISOR Remote** you can give your John Deere dealer access rights to the machine. He can then identify most problems remotely at an early stage and supply the correct spare part to avoid unnecessary journeys.

\* 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/8RT 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/8RT 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, greases and coolants are the ideal way to keep your machinery in top shape. They ensure power-packed performance, deliver long lasting protection.

### 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.

### 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 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.



### PowerGard

Let's be honest: maintenance is irritating. But you don't need to give it another thought because John Deere's PowerGard offers you three flexible maintenance programmes that meet your individual needs and offer you optimum safety at predictable costs.

#### PowerGard Maintenance

Covers all repair and maintenance tasks other than warranty.

#### PowerGard Protection

Available in connection with PowerGard Maintenance. Contains an additional four years (or a maximum of 5,000 operating hours) of repair protection for engine, transmission and frame after the end of the warranty period.

#### PowerGard Protection +

Covers all the services of PowerGard Protection as well as protection for the ancillary engine components, electrical components, steering and brakes, hydraulics and operator station.

## Something special.

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

[5]



[6]



[7]



[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-Control John Deere Tractor 8345R

MCJ099335000

MCO590002852-57

MCS104061046-62

MCU677300000

# Specifications

	8260R	8285R	8310R	8335R	8360R	8310RT	8335RT	8360RT
<b>ENGINE PERFORMANCE</b>								
Rated Power (97/68 EC) without IPM, hp (kW)	260 (190)	285 (210)	310 (228)	335 (246)	360 (265)	310 (228)	335 (246)	360 (265)
Maximum Power (97/68 EC) at 1900 engine rpm without IPM, hp (kW)	286 (210)	314 (231)	341 (251)	369 (271)	396 (291)	341 (251)	369 (271)	396 (291)
Rated Power (97/68 EC) with IPM, kW (hp) hp (kW)	295 (217)	320 (235)	345 (254)	370 (272)	395 (291)	345 (254)	370 (272)	395 (291)
Max. Power (97/68 EC) at 1900 engine rpm with IPM, hp (kW)	299 (220)	326 (240)	354 (260)	381 (281)	409 (301)	354 (260)	381 (281)	409 (301)
Rated Power (ECE-R24) without IPM, kW (hp) hp (kW)	250 (184)	274 (201)	298 (219)	322 (237)	346 (254)	298 (219)	322 (237)	346 (254)
Max. Power (ECE-R24) at 1900 engine rpm without IPM, hp (kW)	275 (202)	301 (221)	327 (241)	354 (260)	380 (280)	327 (241)	354 (260)	380 (280)
Max. Power (ECE-R24) at 1900 engine rpm with IPM, hp (kW)	287 (211)	313 (230)	340 (250)	366 (269)	393 (289)	340 (250)	366 (269)	393 (289)
Engine Peak Maximum Torque at 1600 engine rpm in Nm	1217	1334	1452	1569	1686	1452	1569	1686
Rated Speed, rpm	2.100	2.100	2.100	2.100	2.100	2.100	2.100	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							
Aftertreatment	Exhaust filter with Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF)							
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 and Cylinders	9.0 liter, 118.4 mm x 136 mm							
Cooling Fan Drive System	VariCool – variable speed cooling fan drive system							
Fuel Injection System and Control	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)							
<b>TRANSMISSION OPTIONS</b>								
PowerShift	16F/5R full power shift speeds w/ fully autom. shifting & field cruise control				n/a	16F/5R full power shift speeds w/ fully autom. shifting & field cruise control		n/a
16-speed PowerShift, 16F, 5R with APS (Auto Power Shift)	Standard (42 km/h with group 48 tires, 39.9 km/h with group 47 tires)				n/a	Standard (42 km/h)		n/a
Speed range	8 field working speeds. 2 – 42 km/h forwards, 1.8 – 16 km/h reverse				n/a	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	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 reverser ratio and FieldCruise				Infinitely variable transmission with full electronic engine and transmission management, AutoClutch, PowerZero, variable reverser ratio and FieldCruise			
JD AutoPowr 0.05 – 42 km/h	Optional				Standard	Optional		Standard
JD AutoPowr 0.05 – 50 km/h	42 km/h at 1434 ECO engine rpm* with group 48 tires					42 km/h at 1434 ECO engine rpm*		
	Optional					n/a		
	50 km/h at 1713 ECO engine rpm* with group 48 tires							
	*Base tractor configuration on level ground, with specified tires groups above at manufacturer recommendation for tire pressure. Engine rpm are load dependant.							
Speed range	Infinite – 50 m/h to 42 km/h or 50 km/h					Infinite – 50 m/h to 42 km/h		
Modes	3 Modes – Auto Mode, Custom Mode & Manual Mode					3 Modes – Auto Mode, Custom Mode & Manual Mode		
<b>FRONT AXLES</b>								
1300 Series MFWD	Standard				n/a			
1500 Series MFWD with Hydraulic Differential Lock			Optional					
Suspended Front Axle	Hydro-pneumatic, permanently active, automatic levelling, automatic load compensation and draft active geometry for 3-point hitch implements							
Independent Link Suspension with Hydraulic Differential Lock, Enclosed Driveline	Optional				Standard			
Independent Link Suspension with Hydraulic Differential Lock, Wet Multi-Disk Brakes and Enclosed Driveline			Optional					
	available with 40 km/h, standard with 50 km/h transmission option							
<b>STEERING</b>								
Type	Standard: 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				Speed-sensitive, hydrostatic, differential; 406 mm diameter Steerig wheel; 1.8 turns lock to lock			
	Optional: Active Command 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							
<b>HYDRAULIC SYSTEM</b>								
Type	Closed-center, PFC System (pressure & flow compensating) load sensing with dedicated axial piston type pump							
Selective control valves	4 Standard, 3, 5 and 6 Optional							
Electro-hydraulic selective control valves	Neutral, raise, lower and float. Adjustable flow with temperature compensation. Selectable detents. Load check valves and release assistors							
Maximum pressure, bar	204 (± 3 bar)							
Available Flow at a single SCV, l/min	132							
Oil take out capacity	Standard: 25 l				35			
	Option: 50 l with auxiliary tank							

	8260R	8285R	8310R	8335R	8360R	8310RT	8335RT	8360RT	
<b>3-POINT HITCH – Rear</b>									
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	Standard			n/a			n/a		
Category 3/3N with Ball/Hook Style Ends – 120 mm Axle only Sway Blocks or Deluxe Sway Stabilizers	Optional			n/a			n/a		
Category 4N/3 with Ball/Hook Style Ends – 120 mm Axle only Sway Blocks or Deluxe Sway Stabilizers	Optional			Standard			Standard		
	6,804 / 9,480 kg Max. Hitch Lift Capacity*			8,618 / 12,124 kg Max. Hitch Lift Capacity*			8,800 / 11,869 kg Max. Hitch Lift Capacity*		
*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									
<b>3-POINT HITCH – Front</b>									
Category 3N Ground Engaging Hitch	5,200 kg Lift Capacity							n/a	
<b>REAR-PTO</b>									
Type	Independent oil cooled multiple disc								
PTO engagement	Electro-Hydraulically engaged and braked. External fender mounted control switches Standard: 45 mm (1 3/4"), 20-spline, 1000 rpm								
	Optional: 45 mm (1 3/4"), 20-spline, 1000 rpm; capable of 38 mm (1 3/8"), 6-spline, 540/1000 rpm"			n/a			n/a		
	Optional: 45 mm (1 3/4"), 20-spline, 1000 rpm with 38 mm (1 3/8"), 6-spline, 540/1000 rpm gearcase			n/a			n/a		
Engne rpm at rated PTO speeds (1000/540 rear PTO)	2003/1818 engine rpm for PowerShift transmission; 2000/1815 engine rpm for AutoPowr transmission							n/a	
Engine rpm at rated PTO speed (1000 rear PTO)	2003 engine rpm for PowerShift transmission; 2000 engine rpm for AutoPowr transmission								
<b>FRONT-PTO</b>									
Engine rpm at rated PTO speed (1000)	2000 engine rpm							n/a	
<b>CAB</b>									
Specifications	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 & and Video Ready.								
Drivers ear noise level per 77/311/EEC	73 dB(A)								
Cab Glass Area, m <sup>2</sup>	6.52								
Cab Volume, m <sup>3</sup>	3.597								
<b>MISCELLANEOUS</b>									
AutoTrac Ready	Standard								
Modular Telematics Gateway (MTG)	Optional: JDLink Select or JDLink Ultimate								
ServiceADVISOR Remote	Capable with MTG Hardware								
ISOBUS Implement Connection	Standard								
Video capable CommandCenter Display (Touch screen only)	Single video input for camera with PAL & NTSC signal								
Immobilizer	Optional								
<b>CAPACITIES</b>									
Fuel Tank, l	695							758	
Crankshaft oil volume								25	
1300 MFWD, l	25.0								n/a
1500 MFWD, l								n/a	
ILS, l								n/a	
Transmission, Differential, Hydraulic System (MFWD / ILS), l	165 / 175							258	
<b>DIMENSIONS AND WEIGHTS</b>									
Wheelbase MFWD / ILS, mm	3,050 / 3,020							–	
Wheelbase tracks								2,515	
Width x Height x Length, mm	2,506 x 3,285 x 6,116*							2721 x 3334 x 6428	
*measured from front weight support to the Cat 4 lower links in horizontal position									
With rear tire size (tire size optional available)	710/70R42							–	
Average Standard Weight								–	
ILS/IVT/645kg inner weights/front weight support, less front weights, 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							–	
IVT, full fuel, 24 in. tracks, no weights								15,948 kg	
MFWD / ILS axle clearance, ground clearance track models, mm	685.8 / 590							392	
Turning Radius* – 600/70R30 group 43 front tires at 74.1" spacing, ILS, m	6.09							–	
*See Operator's Manual for other tire spacing and turn radius									

# We do it all for you.

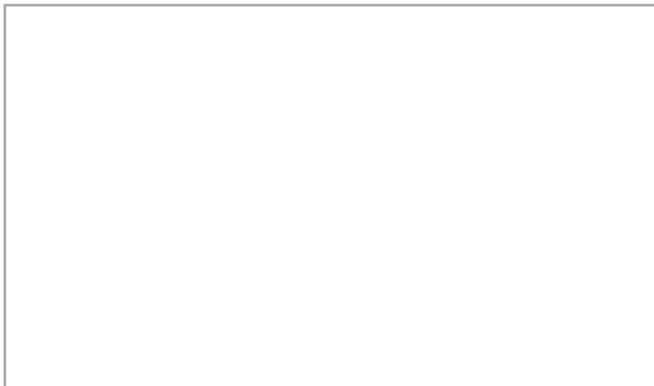
## Providing solutions to your challenges!

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 more than 170 years of experience in the farm equipment business, we can honestly say: reliability is our strength.



John Deere Financial – A range of finance options as powerful as our products.  
Contact your John Deere dealer for a comprehensive range of finance options to suit the specific needs of your business.  
Not available in all countries please consult your local dealer.

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