

# 8 SERIES TRACTORS



**JOHN DEERE**

NOTHING RUNS LIKE A DEERE

# UNSTOPPABLE POWER

The acclaimed 8 Series is true to its powerful legacy, includes the soil-preserving 8RX, and features the high-tech refinements that modern farming demands.



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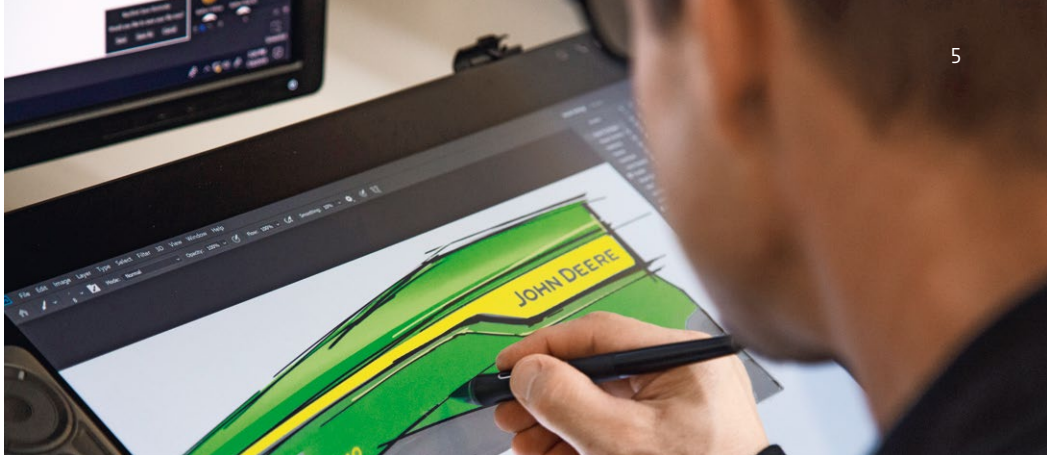
# IT ALL STARTED WITH YOU – AND A PASSION FOR DETAIL

The origins of the new 8R Series are the needs and ambitions of the people who shape the future of modern agriculture: people like you.

Beginning with the first stroke of the pen, we undertook an intense process of collaboration with customers from all around Europe and consulted some of the world's leading design experts – among them the BMW Designworks Center in California.







With only the finest materials selected, validating every detail with customers again and again – the 8R is a result of our passion for detail, from the first sketches to the last field test.





# QUALITY FIRST

Improve quality to boost reliability. That mindset guided our every decision about working with suppliers, designing components, and selecting, processing, assembling, and testing materials.

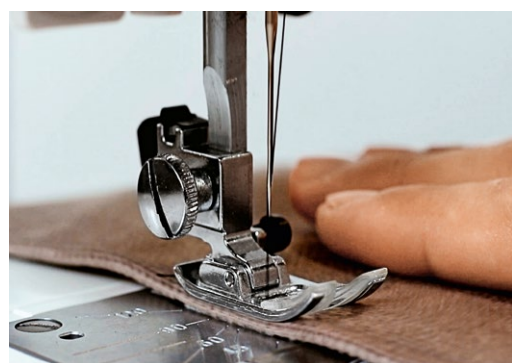
We've made major investments into smart tooling and automation to eliminate assembly errors, and our revamped production processes identify every last inconsistency.







Enabled by anonymised, aggregated real-time JDLink™ data we're now faster than ever in finding, resolving and validating issues. Expect unmatched reliability from the start.







## PERFORMANCE YOU CAN SEE

The bold design of the 8R/RT/RX Series tractors announces what they're all about: pulling power that stops for nothing and technology that moves modern farming forward.



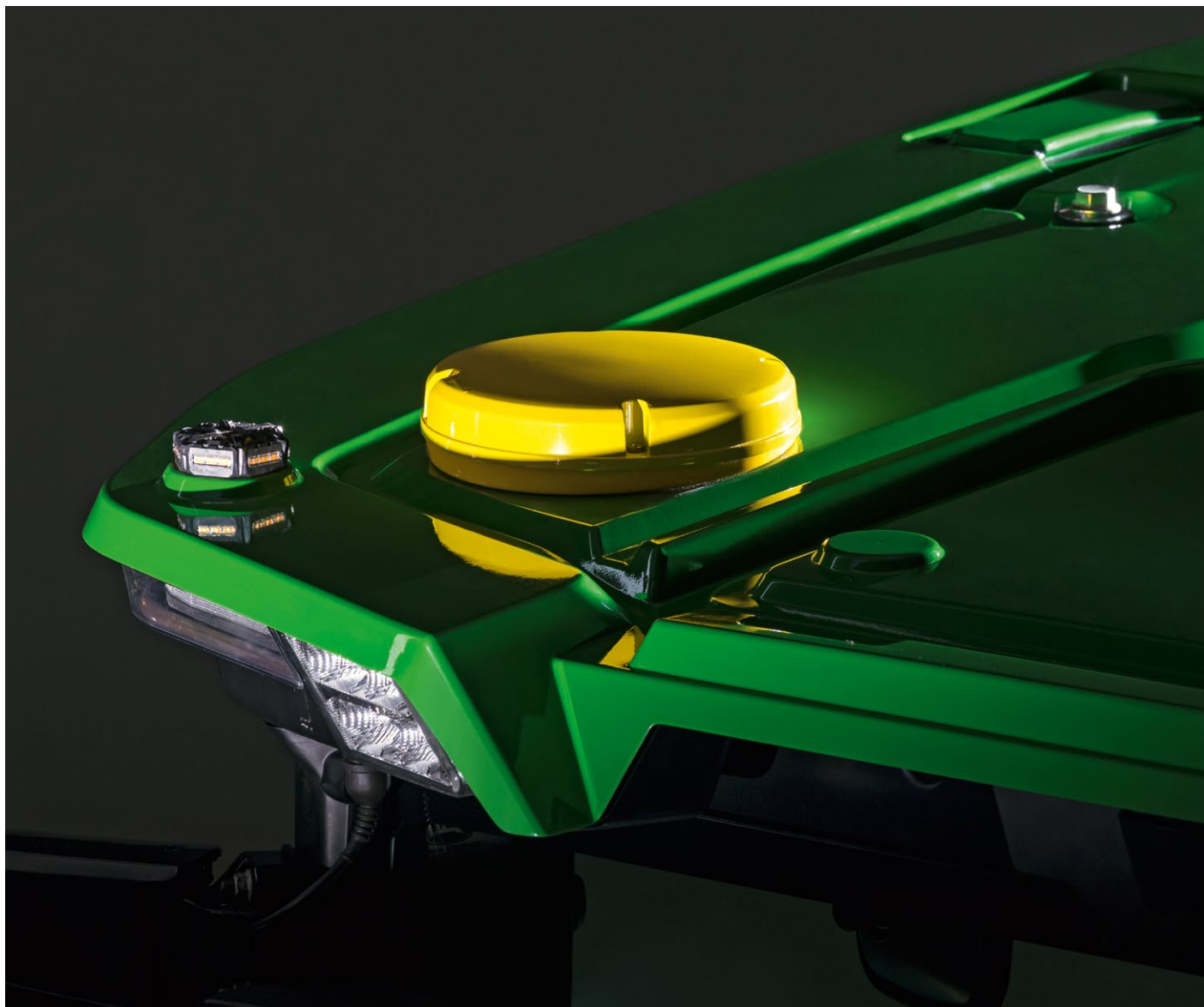




## WHAT YOU SEE IS WHAT YOU GET.

When you first approach an 8R Series tractor and your eyes trace its bold lines, you know it right away: this tractor is all about what's next – about looking ahead and getting ahead.

And when you move in for a closer look, you begin to get an idea about what this machine is capable of. Details emerge that tell the story of how the 8R will deliver on its promise: Like the extra-wide air intakes that speak of the sheer amount of power that is going to be generated under that hood – setting a new standard for this tractor class.





## POWERFUL CHOICES

Three dedicated 8R concepts ensure you'll find the perfect match for your local conditions and individual farming practices.



### 8R TRACTORS

The perfect match if you need a versatile machine that excels in the field and delights on the road. The 8R is the best mix of pulling power, low cost of ownership and all-round performance.





## 8RT TRACTORS

2-track machines deliver the strongest straight-line pull, very efficient power transfer and high flotation. Destined for flat terrain and dry, loose soil.



## 8RX TRACTORS

If minimum soil disturbance is a priority for you, there is no way around the 8RX. It's ideal for difficult hillside terrain and soil types. Plus you'll benefit from maximum operating windows.



# 8R

## 8R TRACTORS

### EFFICIENT AND VERSATILE POWER

With a robust chassis, Independent Link Suspension (ILS™) for extra drawbar pull, and a long wheelbase for more traction and stability, our 8R tractors allow you to do more, even in the toughest of conditions.



#### A | WHEELBASE

3,050 mm

#### B | OVERALL LENGTH

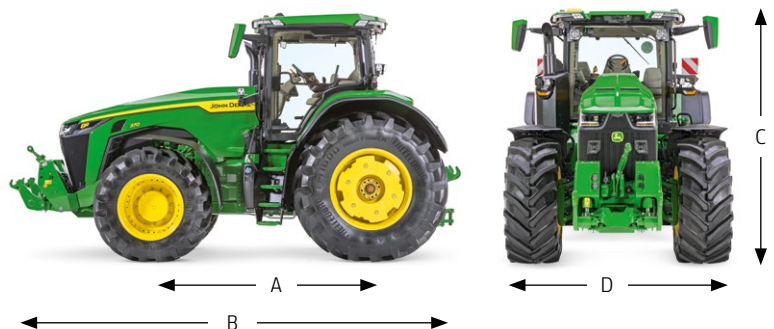
6,640 mm, measured from rear hitch to front hitch

#### C | TOTAL HEIGHT

3,550 mm, measured from the ground to the top of the cab with 215 cm (SRI 1025) rear tyres

#### D | OVERALL WIDTH

2,550 mm with 710/70R42 tyres and narrowest tread setting







## 8R SERIES

MODEL	8R 280	8R 310	8R 340	8R 370	8R 410
Rated engine HP (ECE-R120) "Power on the hood"	280	310	340	370	410
Max. engine HP without IPM (ECE-R120) "Power in the field"	308	341	374	407	443
Max. engine HP with IPM (ECE-R120) "Power in transport & PTO"	326	357	388	420	458
Engine	9.01PVS	9.01PVS	9.01PVS	9.01PSS	9.01PSS
Transmission options	1/2/3	1/2/3	1/2/3	1/2	1

1 | e23™ Transmission

2 | AutoPowr™

3 | 16-Speed Power Shift



# A JOY TO DRIVE

## 8R TRACTORS

The 8R is designed to excel in the field and delight on the road – delivering full productivity and superior comfort, no matter what conditions you find yourself in.

The long wheelbase and front placement of the engine create the optimised weight distribution crucial for extra pull capacity and ride stability. ActiveCommand Steering reduces headland steering effort and produces superior handling characteristics on the road. It features variable ratio steering which provides light, agile steering at slower speeds and more firm steering for higher speeds.

The technology also allows for quick headland steering manoeuvres with an automatic reduction to only 3.5 lock to lock steering wheel turns at in-field speeds. The dynamic road wheel offset control uses a gyroscope that senses tractor yaw and automatically compensates drift to keep you perfectly on track also at higher speeds on uneven roads. Vibrations are reduced to a minimum while the fully electronic steering system design eliminates the slip you know from conventional steering.



### CAB SUSPENSION – A MORE RELAXED DAY

Regardless of the application, the optional cab suspension system by John Deere cushions the operator in a variety of applications.



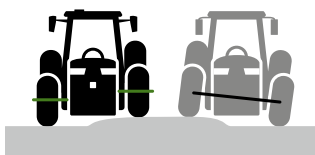
### TIGHT TURNS

The sleek hood design facilitates a surprisingly small turning radius with excellent front tyre visibility.



**IMPRESSIVE  
TURNING RADIUS**





**INDEPENDENT LINK SUSPENSION (ILS™)**

The Independent Link Suspension (ILS™) always ensures full front wheel ground contact even in the roughest terrain – you benefit from maximum power transfer in field, superior steering stability on road and the smoothest ride experience ever.



TYRE SIZE	FLAT PLATE AREA	GROUND PRESSURE
IF650/60R34 IF900/60R42	1.94 m <sup>2</sup>	93 kPa
Dual IF620/75R30 Dual VF650/85R42	3.48 m <sup>2</sup>	52 kPa

To calculate the pressure per cm<sup>2</sup> exerted to the soil by the machine, divide the machine weight by the total flat plate area (indicated in the picture).

All figures based on fully ballasted 8R at 18,000 kg

# 8RT TRACTORS

## STRONGEST PULL

Built for your hardest jobs in the field, the large footprint of our 8RT Series gives you ultimate pulling performance.

### A | WHEELBASE

2,515 mm

### B | OVERALL LENGTH

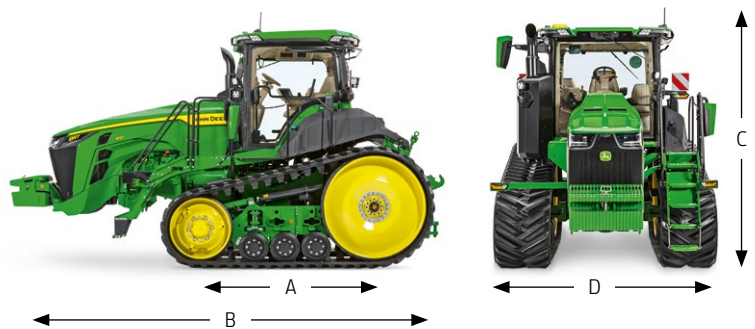
6,460 mm/6,900 mm, measured from the rear hitch to the front weight support without/with front weights

### C | TOTAL HEIGHT

3,530 mm, measured from the ground to the top of the cab

### D | OVERALL WIDTH

2,743 mm, measured at the rear axle, end to end







## 8RT SERIES

MODEL	8RT 310	8RT 340	8RT 370	8RT 410
Rated engine HP (ECE-R120) "Power on the hood"	310	340	370	410
Max. engine HP without IPM (ECE-R120) "Power in the field"	341	374	407	443
Max. engine HP with IPM (ECE-R120) "Power in transport & PTO"	357	388	420	458
Engine	9.01 PVS	9.01 PVS	9.01 PSS	9.01 PSS
Transmission options	1/2	1/2	1/2	1

1 | e23™ Transmission

2 | AutoPowr™

# FULL POWER TO THE GROUND

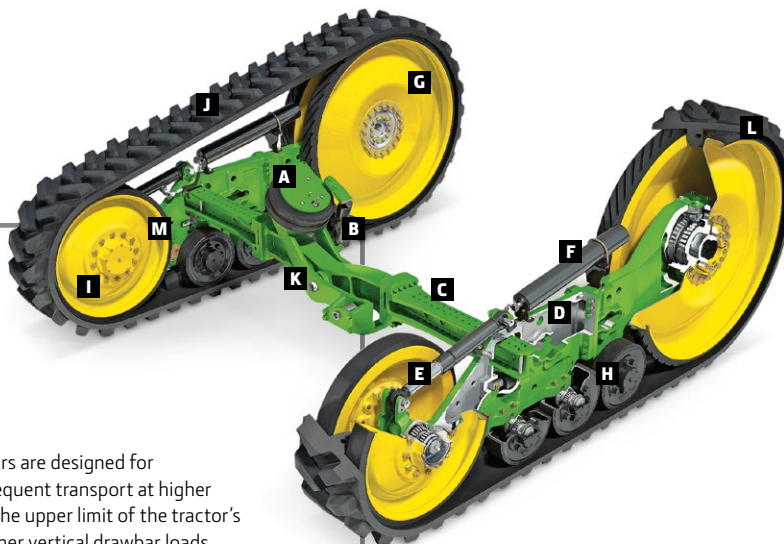
## 8RT TRACTORS

The 8RT excels at straight-line pulling. But it's not just the pure power, also its 88% total tractor efficiency is outstanding amongst track tractors.

### A NEW LEVEL OF DRIVING COMFORT: AIRCUSHION™ AND CAB SUSPENSION

The AirCushion™ suspension effectively isolates the chassis from the harsh shocks of uneven terrain. In combination with the advanced 4-post cab suspension with a 50 to 100 mm travel range, you'll experience a level of comfort that is uncommon in 2-track tractors. Both suspensions are available as part of the base configuration.

All 8RT tractors come with in-cab steering sensitivity adjustment so you can tailor the steering response to your individual needs. The inline tension arm and alignment mechanism virtually eliminate the risk of belt derailing.



### MID-ROLLERS

The heavy duty mid-rollers are designed for applications requiring frequent transport at higher speeds, transporting at the upper limit of the tractor's ballasted weight and higher vertical drawbar loads.

- A | Air Bag
- B | Damping Cylinder
- C | Swing arm / walking beam
- D | Track Frame
- E | Track Tension Cylinder
- F | Accumulator
- G | Rear Drive Wheel
- H | Mid-Rollers
- I | Front Idler
- J | Track Belt
- K | Pivot Point
- L | Track Guide Lugs
- M | Track Alignment Adjustment





**TRACK CHOICES**

We offer the Camso Durabuilt 4500 and 6500 Series rubber track options in a range starting from 400 mm (16 in) up to 760 mm (30 in) widths.

**ADJUSTABLE TREAD WIDTHS**

8RT Series tracked tractors feature inboard planetary final drives to allow adjustable tread widths. Minimal time and no additional spacers are required when adjusting tread width within a given axle configuration.



TRACK SIZE	FLAT PLATE AREA	GROUND PRESSURE
610 mm (24 in)	3.07 m <sup>2</sup>	58 kPa
635 mm (25 in)	3.19 m <sup>2</sup>	55 kPa
762 mm (30 in)	3.83 m <sup>2</sup>	46 kPa

To calculate the pressure per cm<sup>2</sup> exerted to the soil by the machine, divide the machine weight by the total flat plate area (indicated in the picture).

All figures based on fully ballasted 8RT at 17,690 kg

# 8RX TRACTORS

## MINIMUM SOIL DISTURBANCE

8RX tractors offer maximum flotation, very smooth steering even on short headlands, excellent hillside stability and the widest operating windows. They set a new standard in the track segment.

### A | WHEELBASE

3,235 mm

### B | OVERALL LENGTH

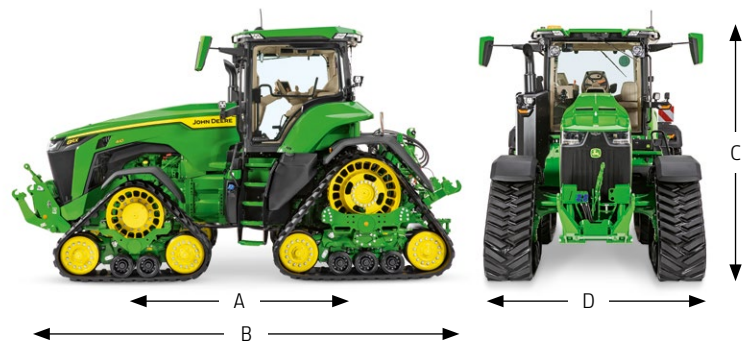
6,320 mm, measured from the rear hitch to the front weight support without/with front weights

### C | TOTAL HEIGHT

3,550 mm, measured from the ground to the top of the cab

### D | OVERALL WIDTH

2,794 mm measured with 80" tread spacing, 30" rear and 24" front tracks







## 8RX SERIES

MODEL	8RX 310	8RX 340	8RX 370	8RX 410
Rated engine HP (ECE-R120) "Power on the hood"	310	340	370	410
Max. engine HP without IPM (ECE-R120) "Power in the field"	341	374	407	443
Max. engine HP with IPM (ECE-R120) "Power in transport & PTO"	357	388	420	458
Engine	9.0I PVS	9.0I PVS	9.0I PSS	9.0I PSS
Transmission options	1/2	1/2	1/2	1

1 | e23™ Transmission

2 | AutoPowr™

# THE SOIL PROTECTION SPECIALIST

## 8RX TRACTORS

Designed for maximum soil protection in all conditions, the 8RX stands for powerful performance that's kind to your fields.

It is common knowledge: The way you treat your soil directly impacts your yield potential for years to come. In fact, studies have shown up to 6.8% yield increase potential when changing to a production system with tracks.

Dry years require a healthy soil structure that can store every drop of rainfall, so crops can develop and have access to water. That's only possible if wet years are managed properly. However, time windows in wet years can be very small and timing becomes critical for plant growth and crop quality. That makes it crucial to have a true specialist on your team that causes minimal soil disturbance while pulling your large implements. Compared to 2-track designs, the 8RX is much less susceptible to certain soil types, delivers outstanding hillside traction plus stability and causes no soil berming when turning.



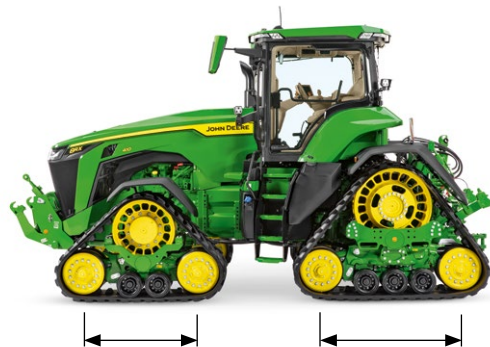
4.57 m<sup>2</sup> ground contact area are benchmark in this hp class. Even fully ballasted, the static ground pressure at the rear is as little as 36 kPa. Soil berming at the headland is almost not existent, although the turning radius is even smaller than on an 8R wheel tractor.





## EXCELLENT RIDE COMFORT

Riding an 8RX in the field almost feels like floating thanks to the 4-track design as well as the tilting undercarriage, the suspended mid roller boogie mounting in the rear, and the advanced cab suspension that's standard on an 8RX.



TRACK SIZE	FLAT PLATE AREA	GROUND PRESSURE
610 mm (24 in), 610 mm (24 in) rear	4.03 m <sup>2</sup>	49 kPa
635 mm (25 in), 762 mm (30 in) rear	4.57 m <sup>2</sup>	44 kPa

To calculate the pressure per cm<sup>2</sup> exerted to the soil by the machine, divide the machine weight by the total flat plate area (indicated in the picture).

All figures based on fully ballasted 8RX at 19,958 kg



# LESS LOSSES – HIGHER PULLING POWER

## DRIVETRAIN EFFICIENCY

How much power does a tractor actually deliver? Engine specifications in marketing materials can be deceiving. What matters is the power that is transmitted to the ground and to the PTO – accounting for the natural losses along the whole drivetrain. Our transmissions have extremely low power losses. The PowerShift™ and e23™ transmission are purely mechanically driven. Also with AutoPowr™ the losses are minimal as the hydrostatic power flow™ is very small in the main working ranges.

Built for efficiency: The cooling package does not compromise on cooling surface and provides high-rate, unrestricted airflow.







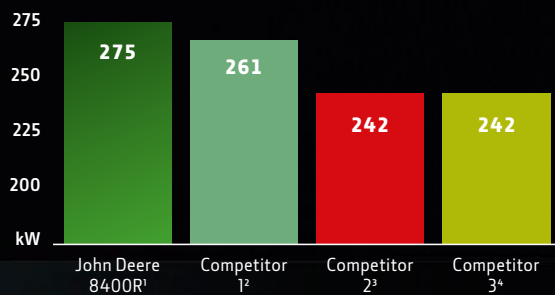
Maintaining the outstanding 94%<sup>1</sup> overall tractor efficiency benchmark of the previous 8R Series was a priority for the design of the new 8R.

- RATED POWER**
- + 10% JD POWER BULGE**
- COOLING & AUXILIARY LOSSES**
- TRANSMISSION & AXLE LOSSES**
- = MAX DRAWBAR PULLING POWER**

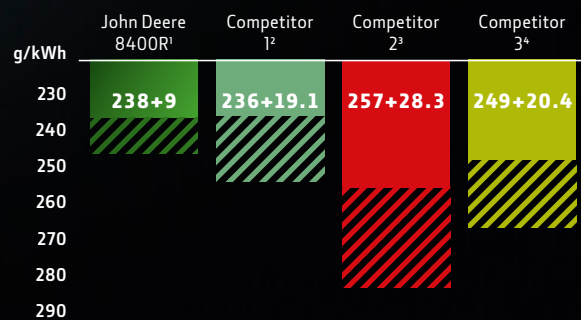
**94%**

**MAXIMUM DRAWBAR PERFORMANCE**

**DRAWBAR POWER**



**DIESEL & DEF CONSUMPTION (DLG POWERMIX)**



<sup>1</sup> DLG Test 9/2016, Test Nr. 2016-00253, www.dlg.org /figures do not include Boost

<sup>2</sup> OECD Test 06, 2015, Test-Nr. 2126, http://tractortestlab.unl.edu/figures do not include Boost; Profi 8, 2016 www.profi.com

<sup>3</sup> Profi 8, 2013, www.profi.com

<sup>4</sup> Profi 8, 2015, www.profi.com

**POWER ON HOOD:**

410 hp (302 kW) ECE-R120

**POWER IN FIELD:**

443 hp (326 kW)

**POWER IN TRANSPORT  
& PTO:**

458 hp (337 kW)



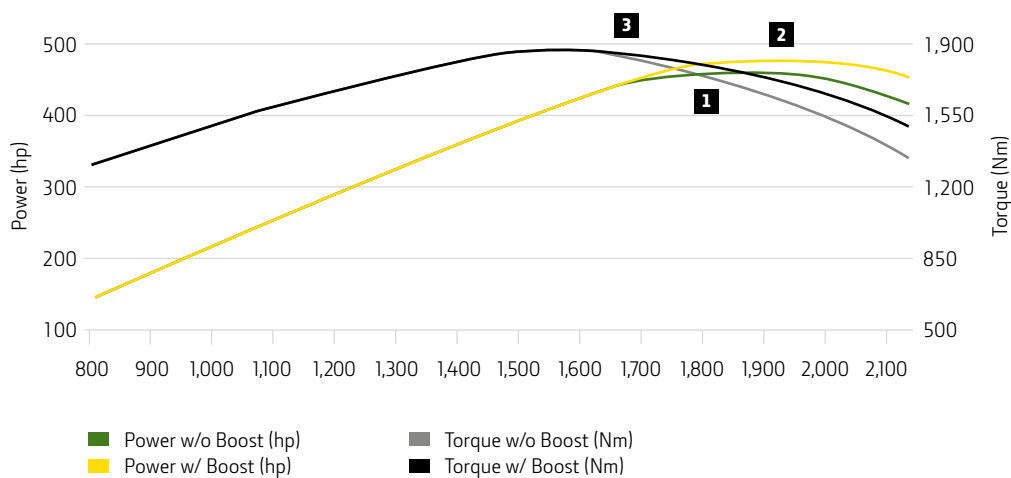
# BUILT FOR AGRICULTURE

## ENGINE

We build and tune our engines for optimal performance in the most demanding agricultural applications. It's what our engines stand for, and it's what John Deere is known for.

Our power decal on the hood merely shows the rated engine power. However, unlike many others, in the field, our engines deliver a torque rise of up to 40% and an outstanding power bulge of around 10%. This "max. power" is always available under all conditions. Plus, if all the sudden extra loads occur and the engine rpm drops a little, the torque continues to increase and you stay within the constant power range. This makes for the tremendous pulling power John Deere engines stand for.

On the road or in PTO applications, the engine's Intelligent Power Management can yet again unleash an extra boost of 35 hp.

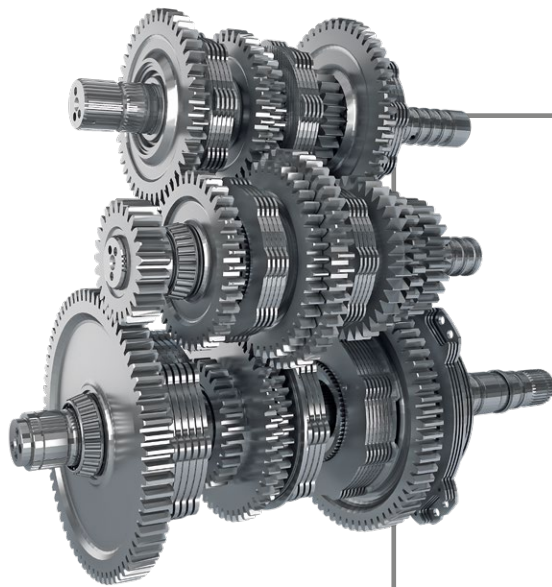


Intelligent Power Management (1) provides up to 35 additional hp for transport and PTO applications. Max. power with 458 hp @ 1,900 rpm (2) and max. torque of 1,851 Nm @ 1,600 rpm (3) ensure optimum response with low fuel consumption levels.

# THE ORIGINAL

## 16-SPEED POWERSHIFT™ TRANSMISSION

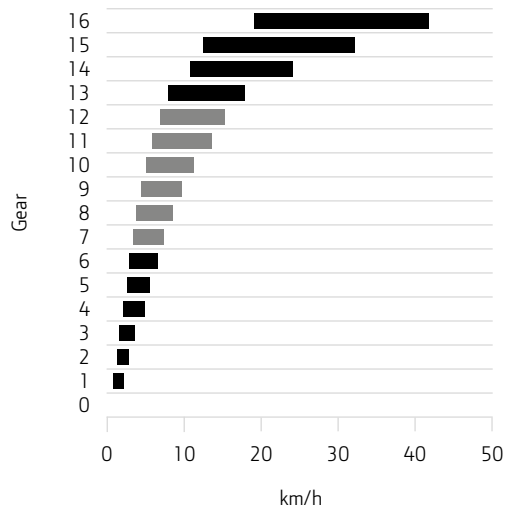
The 16-speed PowerShift™ transmission is available for the wheeled models up to the 8R 340, with 16 forward and 5 reverse speeds for efficient and reliable gear shifting in tough field work.



### **PROVEN, RELIABLE AND AFFORDABLE**

First introduced in 1994, the PowerShift™ transmission delivers the strength to handle sudden, high-torque power loads while maintaining responsive, application-based shifting.





The transmission provides 6 gears between 4 and 12 km/h to ensure the optimal gear/rpm combination.

**GEAR RANGE**

The speeds are carefully spaced for optimal engine power and torque utilisation and to allow the operator to select the appropriate gear for maximum fuel economy and productivity.

16-speed PST available for 8R wheeled tractors up to 8R 340.

**AUTOMATIC POWERSHIFT™ (APS)**

All 8R Series with the PowerShift™ transmission have the Automatic PowerShift™ feature. Enhancing performance and efficiency, APS also relieves the operator from having to shift during significant load changes in field and transport applications.



# FULLY MECHANIC – FULLY EFFICIENT

## e23™ TRANSMISSION

We offer you the flexibility to choose the right transmission to fit your needs. Our fully mechanical e23™ transmission is engineered to deliver maximum efficiency and robustness for real arable farming.

## EFFICIENCY MANAGER™

Efficiency Manager™ allows you to pre-set the ground speed and then sets the engine rpm to the optimum for saving fuel by automatically shifting up and throttling back.

## LEADING TECHNOLOGY

e23™ combines the benefits of a mechanical transmission with the ease of use of stepless transmissions.



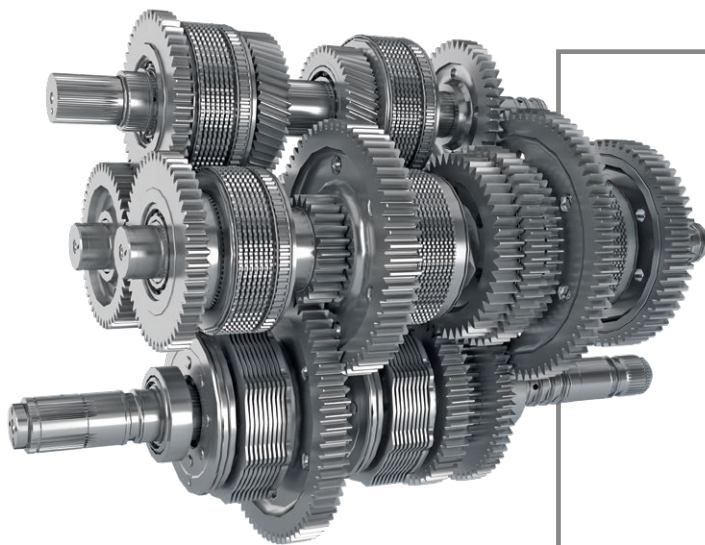
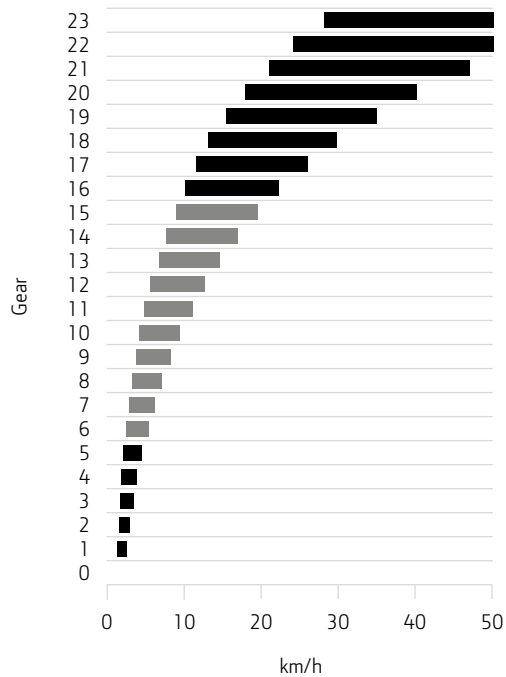
## REDUCE RPM (ECO SPEED)

In custom mode, eco allows two minimum engine speeds to be set. Operators can turn eco on or off with the eco button on the throttle or in the transmission settings page of the CommandCenter™.





Top field performance – Ten gears in the main working range from 5-16 km/h provide the ideal gear for the most demanding of pulling applications.



10 powershiftable gears in the 5-16 km/h range for maximum in-field pulling power at the right rpm. Top speed is reached at 1,410 rpm (40 km/h) or 1,670 rpm (50 km/h) for optimal fuel savings.

# THE POWER OF INFINITE

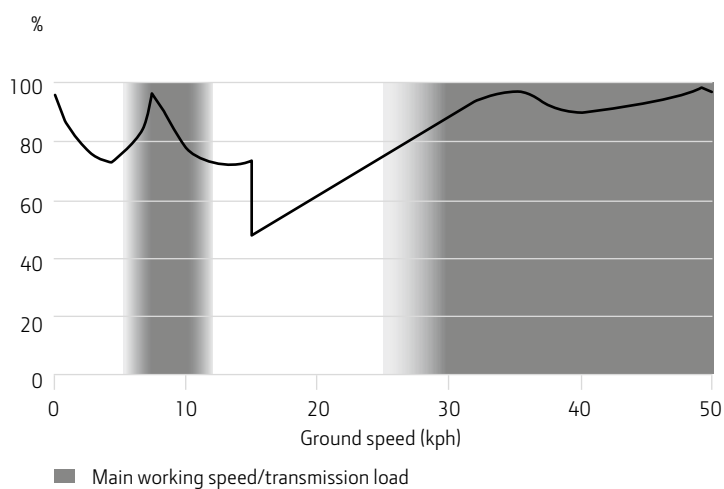
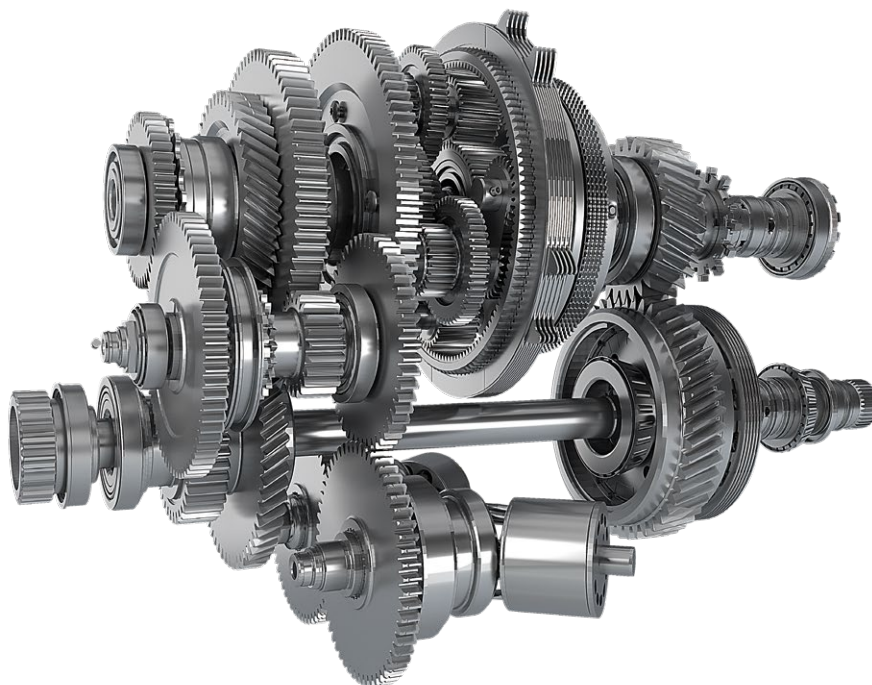
## AUTOPOWR™ TRANSMISSION

AutoPowr™ lets you accelerate smoothly from start-up to maximum speed with a single lever and absolutely no clutching.

Just choose a specific speed and AutoPowr™ keeps it steady by automatically responding to changing load conditions. There are four modes available in AutoPowr™: Full Auto, Custom, Manual and Pedal mode, which enables you to control ground speed separately from the engine speed.







## OUTSTANDING EFFICIENCY

Designed and built by us exclusively, our four-range AutoPowr™ transmission ensures 50%-100% mechanical power flow for ultimate tractor efficiency and maximum power to the ground. Less hydraulic power transfer of course also means lower oil cooling requirements – a further efficiency boost.

## ECO SPEED

Achieve low transport application costs with top speeds of 40 km/h at 1,360 rpm and 50 km/h at 1,630 rpm.

## CHOICE OF CONTROL

The choice is yours – classic AutoPower control lever or state-of-the-art CommandPRO™ joystick.



- 1 | Set-speed adjustment wheel
- 2 | Speed band two
- 3 | Speed band one

# THE ERGONOMIC OPERATOR INTERFACE

## COMMANDPRO™

Mastering the power of the 8R Series tractors is simple with the new CommandPRO™ joystick and its 11 reconfigurable buttons. It's the ultimate operator interface for making every working day more comfortable and productive.

### IN FULL CONTROL

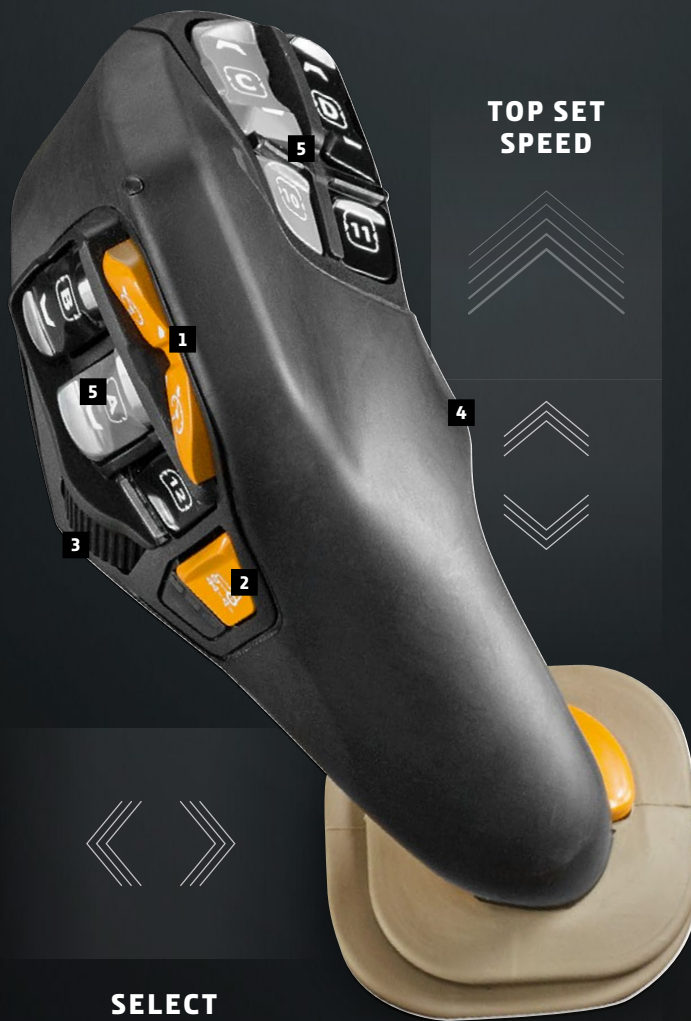
- Set top and zero speeds with one simple push or pull
- Creeping control from 0 to 5 km/h
- Simultaneously active pedal and joystick driving
- ActiveZero function keeps the output speed at 0 km/h until the acceleration command is given
- Control ISOBUS implements with CommandPRO™

### SETTINGS MANAGER

Reducing the set-up time for all your applications, the Settings Manager allows you to save machine settings as well as configuration settings for the electronic Joystick and CommandPro™. Instantly access the individual settings for implements or operators and be productive from the moment you take the wheel.







**TOP SET SPEED**



Accelerate



**CREEPING CONTROL**



**SELECT DIRECTION**



**ACTIVATE SET SPEED**



Decelerate

**ZERO SPEED**



- 1 | Travel set speed buttons 1 and 2
- 2 | Acceleration response button with three settings
- 3 | Travel speed adjustment wheel
- 4 | Activation button
- 5 | 5 Reconfigurable buttons for:
  - Front/Rear Hitch
  - Front/Rear PTO
  - SCV's
  - iTEC™
  - AutoTrac™
  - ISOBUS functions
  - Engine set speed

**COMMANDPRO™**

**EXPERIENCE A  
NEW LEVEL OF  
PRODUCTIVITY**

# EASY ACCESS

## CAB

So much space, so little noise, such luxury. Pure passion for detail. Welcome to the new 8R cab. What a way to start your working day.

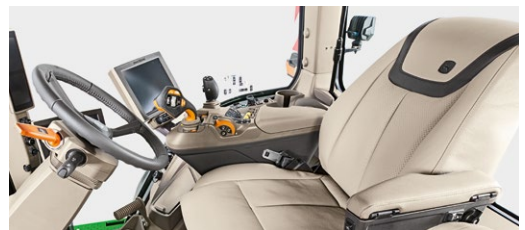
### OVERVIEW:

- 25% wider steps with 2 width settings
- low door handle
- bigger door opening angle
- improved mirror position
- coming home & service light









### **CAB SIZE**

Your health and well-being are critical productivity factors. When the space around you feels restricted, so do you. And that's not when your best work happens. That's why we made the cab even bigger and added an extra 5 cm of headroom.





#### **FOOT RESTS**

Premium comfort means premium features. Rest and relax your feet and legs on the foot rests located to the left and right of the steering column and on the right side of the cab. Combined with our luxurious seat features, these are the thoughtful details that make long days shorter.



#### **IMPROVED AIR CONDITIONING SYSTEM**

To keep you cooler on hot days and your windows clear in cold weather, we improved the airflow in the cab by relocating the air conditioning system under the seat and made temperature adjustments twice as fast.



# BENCHMARK

## VISIBILITY

The lean steering column, narrow hood and large glass areas provide you a view to the outside which is a benchmark in this segment.

And if you operate at night, our newly designed LED light package provides 60% more lumen output than its predecessor and delivers an illumination area coverage which is second to none. We've integrated these lights all around the cab roof for true 360° daylight-quality, high-contrast lighting that can be individually controlled in the CommandCenter™.

The new LED lights provide true 360° illumination in spectacular daylight-quality.











The sleek “nose down” hood design gives you an optimal view to the front of the tractor, while the elevated seat position and expansive glass panes provide an unobstructed view to the sides and rear as well.

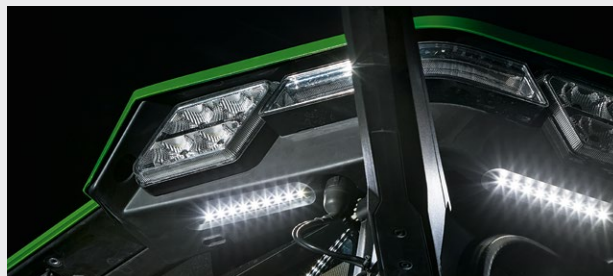


## VISIBILITY PACKAGES

	SELECT	PREMIUM	ULTIMATE
Lighting	18x Halogen	18x LED	22x LED
Mirrors	Electrical	Electric, Heated	Electric, Heated, Telescoping
Sunshades	Front	Front/RH Side/Rear	Front/RH Side/Rear
Wipers	Front/Rear	Front/RH Side/Rear	Front/RH Side/Rear
Cameras	Camera Ready	Camera Ready	Front & Rear integrated Cameras



- 1 | Convenience lights
- 2 | Integrated front camera
- 3 | Integrated rear camera
- 4 | Narrow hood design
- 5 | Excellent all-around visibility



### 1 | CONVENIENCE LIGHTS

Activated from a switch at the cab entry steps, the new convenience lights illuminate the immediate surroundings of the tractor to make sure you can perform tasks like refuelling or changing implements easily and safely at night.



### 2 | INTEGRATED CAMERAS (FRONT/REAR)

The integrated front and rear cameras provide a safe and convenient view of the front and rear of the tractor. That makes it easy to couple implements and adds safety on busy roads and farms.



### 3 | 65° TOTAL SEAT SWIVEL

Forget that uncomfortable body twist. See more, in greater comfort when you rotate the seat by up to 40 degrees for a perfect view of your implements. You'll definitely feel the difference after a day of work. We've also increased the swivel to the left to 25° to make cab access as easy as possible as well as the view to the left when driving next to a forage harvester for example.

# LUXURIOUS

## RIDE COMFORT

Enjoy less back muscle stress and better posture with easier breathing from a super comfortable seat that feels amazing and keeps you relaxed and alert all day.



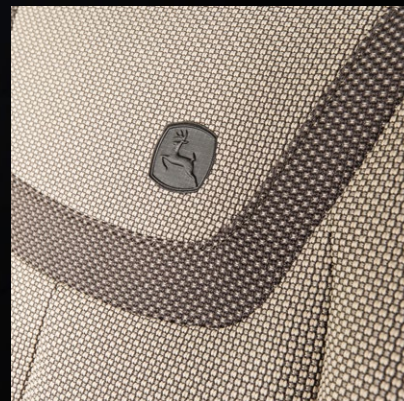
### ACTIVESEAT™ II

The new ActiveSeat™ II\* uses quick-reaction electric suspension technology to isolate you from up to 90% of vertical movements. Enjoy superior ride-quality in the roughest conditions.

25°



Select and Premium Edition cabs come with durable fabric-covered seats.



40°

### **PERFORATED LEATHER SEAT**

Our all new seat comes with a wealth of features. Electrical controls, pneumatic lumbar adjustments, seat heating are just the start. A number of new luxury features that are first in the industry make it absolutely unique.

### **MASSAGE FUNCTION**

Yes, this is the first ever tractor operator's seat with built-in massage elements. Loosen up, relax and recover during long working hours to end your working day refreshed.

### **SEAT VENTILATION**

You don't want to spend that hot day sweating; you want to stay sharp and productive. Our newly designed seat ventilation will keep you comfortable no matter what.

### **SIDE BOLSTERS**

The side bolsters can be inflated to provide perfect stability in side-to-side motion.

### **THIGH EXTENDER**

Taller operators with longer legs can attain a comfortable and restful seating position.



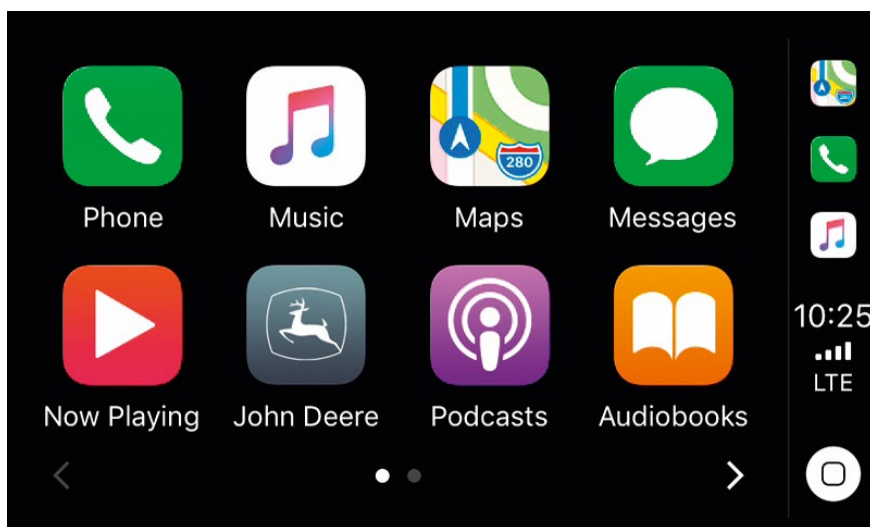
# EXCELLENT



## INFOTAINMENT

The 6.5" state-of-the-art digital touchscreen radio works with Apple CarPlay and gives you a multitude of entertainment options.

CarPlay is a smarter, safer way to use your iPhone when driving. Leverage Siri voice control or use the integrated tractor controls to do what you want. You can get directions, make calls, send and receive messages, and listen to music, all in a way that allows you to stay focused on the road and in the field.





## CONCERT HALL LIKE SOUND QUALITY

Get ready for your jaw to drop. The 8R now has a brand new audio system with 6 speakers, plus a powerful subwoofer designed by high-end audio specialists.



Your music comes alive with rich detail, vibrant energy and a punchy bass that might just make your cab your favourite place to listen to music. As for the practical side of things, you get all the bells and whistles you expect, including a touch screen and DAB+.

## COMFORT & CONVENIENCE PACKAGES

	SELECT	PREMIUM	ULTIMATE
Seat	Cloth, Mechanical Controls, Mechanical Lumbar 8°LH/40°RH Swivel	Cloth, Electronic Controls, Pneumatic Lumbar 25°LH/40°RH Swivel	Perforated Leather, Electronic Controls, Pneumatic Lumbar 25°LH/40°RH Swivel, Heated/Ventilated, 2-zone massage, inflatable side and extendable seat cushion
Infotainment	AM/FM/WX, AUX & BT Inputs, 2 speakers	6.5" Touchscreen Radio, DAB+, XM Ready, 6.1 Sound System with subwoofer	6.5" Touchscreen Radio, DAB+, XM Ready, Sound System with subwoofer
Business Band Ready	■	■	■
4 USB & 12 V	■	■	■
Dual Tilt Column	■	■	■
Foot Rests	-	■	■
Refrigerator	-	■	■
RH Accessory Rail, 220 V Outlet	-	■	■
Carpet Floor Mat	-	-	■
Leather Wrapped Steering Wheel	-	-	■

Legend: ■ base; - excluded

# INTUITIVE CONTROL

## COMMANDARM™

The 8R Series makes sophisticated agricultural technology easy to operate. Everything is within easy reach and the touchscreen CommandCenter™ with shortcuts and context-sensitive help makes navigation as easy as it gets.



### 4200 DISPLAY

With a 21.3 cm (8.4") touchscreen and one video input, our standard display is already one of the most advanced in the industry. Upgradable to the Gen4 Premium activation, it comes with full AEF ISOBUS certification, remote display access and wireless data transfer connectivity to the MyJohnDeere™ Operations Center.

### 4600 DISPLAY

The optional 4600 CommandCenter™ features a 26.4 cm (10.4") touchscreen, four video inputs, the option to connect to the Extended Monitor and the possibility to upgrade to the Gen4 Ultimate Activation to enable the full range of advanced precision agriculture applications.



### SETTINGS MANAGER

Reducing the set up time for all your different applications, the Settings Manager allows you to save all your machine settings, for example: engine, SCVs and rear hitch as well as configuration settings for CommandPRO™ and the electronic joystick.



## EXTENDED MONITOR

The Gen4 Extended Monitor doubles the screen area so you can monitor more functions at once and have direct access to make adjustments when needed. For example, you can view vehicle control functions on your primary display and Precision Ag applications on the Extended Monitor.



Navigation is easy with logical menus and a comprehensive shortcut bar. With Quick Line you can now record an AB line with just one button press.



## ELECTRONIC JOYSTICK

The electronic Joystick is completely reconfigurable and can control all SCVs, front hitch and even ISO- BUS functions. All settings can be saved and reloaded in the Settings Manager.

## ISOBUS – AEF CERTIFIED

With Universal Terminal (UT) you can operate your implements, Task Controller Section Control (TC-SC) allows individual control of up to 255 sections. While TC-BAS enables documentation of totals in ISOXML data format, TC-GEO adds the capability for geo-referenced ISOXML documentation. AUX-N provides universal compatibility to the tractor joystick.

AEF Certified

UT	TECU	AUX-N
TC-BAS	TC-GEO	TC-SC
...	...	...

**ISOBUS**

[www.aef-isobus-database.org](http://www.aef-isobus-database.org)

**MOST WANTED - NOW  
THEFT PROTECTED.**





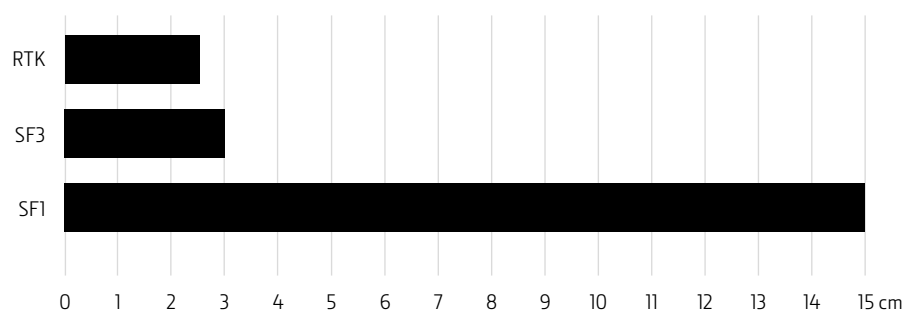
# UNBEATEN INTELLIGENCE

## STARFIRE™ RECEIVER OPTIONS

The choice is yours. Our new StarFire™ 6000 Integrated Receiver builds up full signal accuracy quicker than ever, comes factory calibrated and is equipped with theft-prevention features. If you're looking for portability between machines, the universal StarFire™ 6000 receiver gives you that option. Whichever you choose, you'll be working with a leading precision farming solution.

## STARFIRE™ 6000 RECEIVER SIGNAL OPTIONS

A compelling new level of accuracy, signal stability and repeatability



- RTK: +/- 2.5 cm pass-to-pass accuracy, featuring long-term repeatability including 14 days RTK Extend™ if you lose line of sight or mobile network.
- SF3: +/- 3 cm pass-to-pass accuracy and 9-month in-season-repeatability.
- SF1: +/- 15 cm pass-to-pass accuracy, free of charge.

Save yourself the cost of an extra Mobile RTK modem and the monthly fee for a SIM card data plan by running the John Deere Mobile RTK Signal via the in-base integrated JDLink™ system.



AutoTrac™ is now available for speeds down to 100 m/h and delivers twice the accuracy for high-speed applications up to 16 km/h.

# BOOST YOUR PRODUCTIVITY

COMMANDCENTER™ AUTOTRAC™

## YOUR BENEFIT

- Less operator stress
- Fewer passes with reduced overlaps and gaps
- Up to 8%\* input cost reduction
- Up to 14%\*\* productivity increase
- Precision work in low visibility conditions

## PRECISION FROM THE START

AutoTrac™ boosts your productivity while reducing input cost on fuel, fertiliser and chemicals and adding enormous comfort. Even in challenging conditions such as low visibility (e.g. at night, dust, fog) or rolling terrain, your field is always being worked with flawless accuracy to ensure ideal crop spacing. Once you have experienced the benefits of AutoTrac™, you will never want to go back!

\* From "Lohnunternehmen" 1/2010  
 \*\* From "Landtechnik" 6/2006



# A HEAD START INTO THE FIELD

## AUTOTRAC™ ONLINE

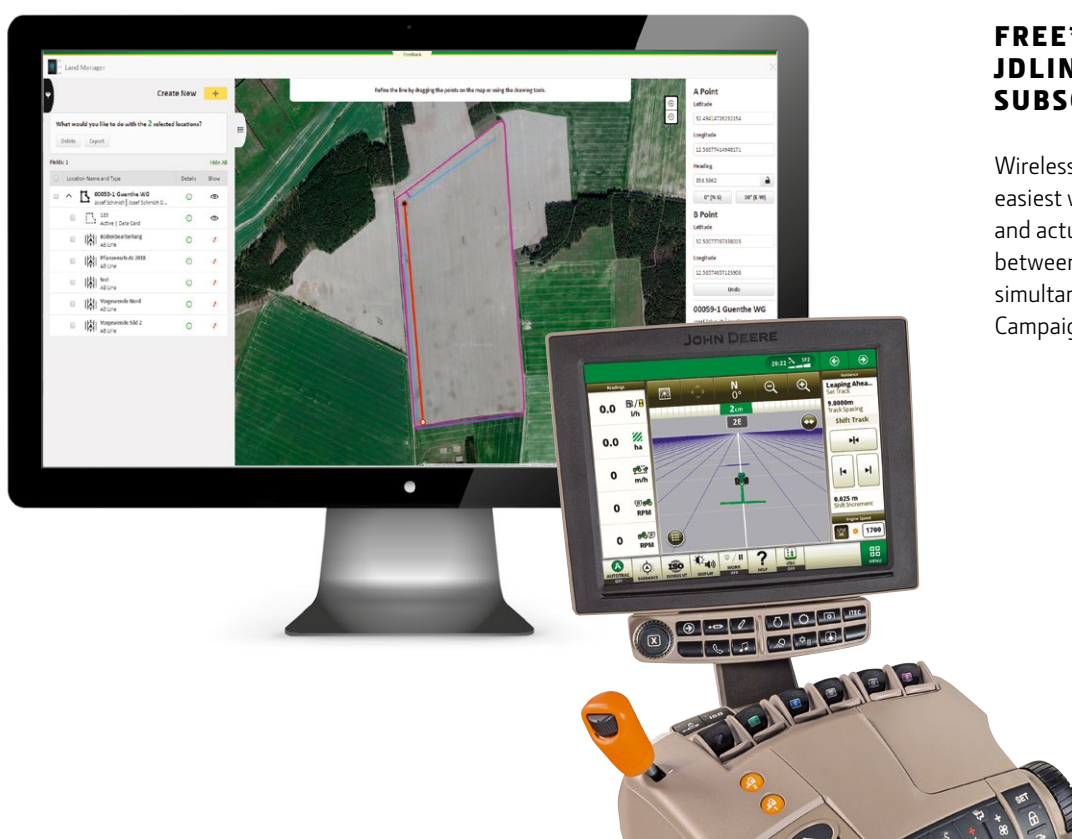
We're not just giving you a guidance system. You get a full offboard solution on top and for free. It gets your operators into the right fields, enables them to start work in the field quicker, ensures consistent data (e.g. boundaries and guidance lines) across displays in a fully automated fashion, while your data is backed up at all times.

New field boundaries can be easily imported from a subsidy application portal or farm management software via shapefile. You can also draw them online or modify any existing boundaries, which is a great help for first time field localisation, especially if you contract or use seasonal employees.

You can wirelessly send all data to the machines you select at the push of a button – eliminating time-consuming and error-prone manual set-up on multiple displays in the field. When you approach a new field, the related client, farm and field data will automatically be detected. Upon confirmation, the boundaries are loaded, and the preferred guidance line can be chosen from a pre-populated list.

### YOUR BENEFIT

- Quick and easy in-field display set-up
- Automated, reliable and error-free documentation
- Automated data back-up



### FREE\* 5-YEAR JDLINK™ CONNECT SUBSCRIPTION

Wireless data transfer is the easiest way to have accurate and actual data updated between machine and office simultaneously. (\*during Campaign timeframe)



New: AutoTrac™ Vision now included in the Premium Activation – camera based guidance in all fields.

# THE PRECISION FARMING ADVANTAGE

## COMMANDCENTER™ PREMIUM

The CommandCenter™ Premium Activation is your ticket to the benefits of site-specific farming, the flexibility that comes with ISOXML documentation and AutoTrac™ Vision for camera-based guidance.

### SECTION CONTROL

Upgrade to Section Control (TC-SC) to minimise skips and overlaps automatically on-the-go. Controlling up to 255 individual sections saves you significant money on fertiliser, chemicals and seed.

### ISOXML DOCUMENTATION

The Premium Activation not only features DataSync for close to real-time documentation delivery to your office (updates every 30 s) – it also brings you the full flexibility of ISOXML documentation data (TC-GEO) that allows you to also route data to other FMIS systems.



## MANAGE YOUR FIELDS THE SMART WAY

The John Deere Operations Center™ puts your farm in your pocket: Easy to understand, integrated tools support your agronomic decision making and help you get maximum yield and consistent quality from your soil at significantly reduced input costs. Plan your crop rotation and tasks for the upcoming season with a structured overview that will make it effortless to create display set-up files and work orders. As the individual tasks are being completed, your documentation data is automatically uploaded from your in-cab display to your personal Operations Center account. From there all operational details are easily visualised on a nicely structured timeline – anytime, anywhere, from any internet-capable device, allowing you to view your mapping or compare different map layers like yield, dry matter, crop constituents, and application rates.

This is how you turn valuable agronomic insights into smart decisions and more easily define corrective actions. Other integrated tools enable you to easily turn this data into site-specific variable rate prescriptions and allow you to collaborate with agronomic advisors by granting them field-specific access rights. Finally, documenting your work for clients becomes simple with easily created, printed and shared reports.

## YOUR BENEFIT

- All info in one centralised location, nicely structured and easily accessible
- Gain insights for smart, fact-based decisions
- Leverage numerous additional agronomic tools for further data processing and analysis
- Automated data transfer between machine and office in near real-time



### MYOPERATIONS™ APP

All the insight you need for fact-based decision making – anytime, anywhere.

Integrate apps with the Ops Center via ISOXML.



# ALMOST AUTONOMOUS

## COMMANDCENTER™ ULTIMATE

On top of all the Premium Activation features, you also reap the benefits of AutoTrac™ Turn Automation, AutoTrac™ Implement Guidance Passive, Machine Sync and In-Field-Data-Sharing.

### **AUTOTRAC™ TURN AUTOMATION**

AutoTrac™ Turn Automation automatically controls the entire headland turn and manages all tractor and implement functions, including forward speed changes and PTO switching. The advanced solution raises or lowers linkages at exactly the right time and position in the field to guarantee perfectly consistent headland crop growth.

### **AUTOTRAC™ IMPLEMENT GUIDANCE – PASSIVE**

AutoTrac™ Implement Guidance – Passive solves a problem the single AutoTrac™ solution cannot: In uneven terrain and on slopes, the weight of your pull-type implement will cause it to drift. The results are quality-reducing gaps and overlaps. With a second receiver on the implement, regardless of the terrain, you can now achieve the highest precision standards in all your seeding, planting and tillage operations.



## IN FIELD DATA SHARING

In-field data sharing lets you see coverage and as-applied maps for machines working in the same field at the same time. It's how you can make sure that you get complete field coverage with multiple machines, even in low light and/or dusty conditions, while you reduce over-application, obtain more accurate documentation data and lower input costs. They say that information is power – we know it is certainly profitable.

## MACHINE SYNC

Machine Sync enables the GPS-based synchronisation of speed and steering between a combine and tractor with grain trailer during unloading in the field – think even trailer filling without losses and reduced vehicle collision risk. In addition, it provides important logistics information such as grain fill tank level and combine position to allow operators to make informed decisions about the most direct route to the next destination.

## CONNECTIVITY PACKAGES

	PREMIUM	ULTIMATE
4200 CommandCenter™	–	–
4600 CommandCenter™	■	–
4600 CommandCenter™ & Extended Monitor	–	■
Gen4 Premium Activation	■	–
Gen4 Ultimate Activation	–	■
Tractor Implement Automation	■	■
JDLink™ Connect 5-year	■	■

Legend: ■ base; □ optional; – excluded

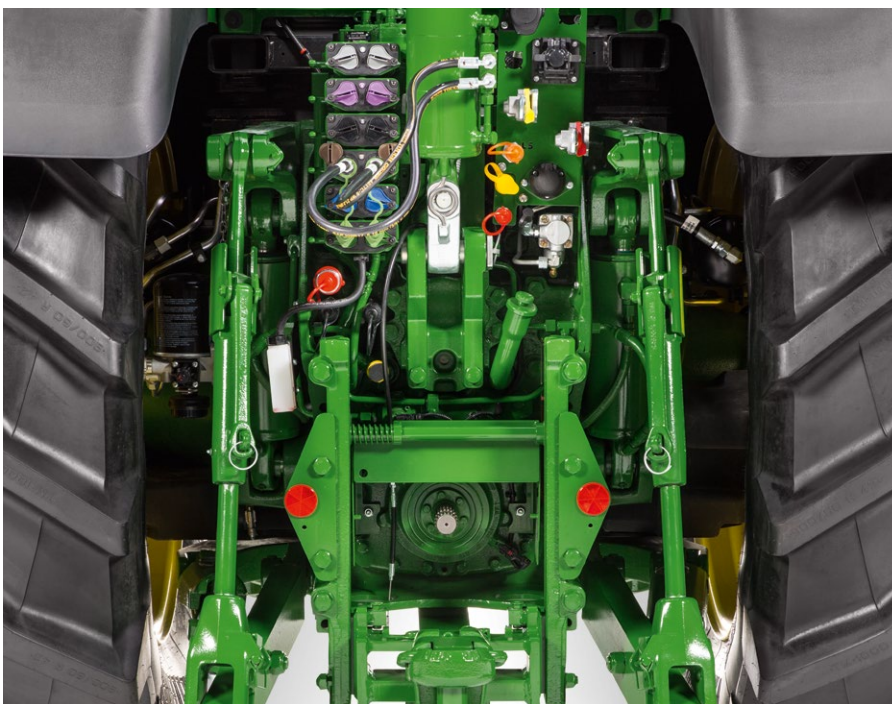


# ENDLESS POWER

## HYDRAULICS AND PTO

The hydraulics in the 8R, 8RT and 8RX Series tractors give you more power than you'll need, the versatility you require and the accuracy you've always desired.

The CommandCenter™ gives you precise control over individual SCV flow rates and time detent. You can also control the hitch and SCV from the rear fender.







## SELECTIVE CONTROL VALVES

Up to six selective control valves at the rear, up to two at the front, and power all the way up to a benchmark 321 l/min drive even the largest implements at fuel saving reduced rpm (227 l/min at 1,500 rpm). Take-out capacity is 40 lts as standard and 90 lts with the optional auxiliary tank. The 3/4 inch high-flow coupler option delivers an outstanding flow rate of up to 160 l/min to just this one output.

With PTO options like the 1000/1000E\*, 8R Series tractors provide the versatility and flexibility needed to satisfy all implement demands at this power level. For increased versatility, a 1,000-rpm front PTO option is available from the factory for 8R tractors equipped with the John Deere front hitch.

\* not for 8RT



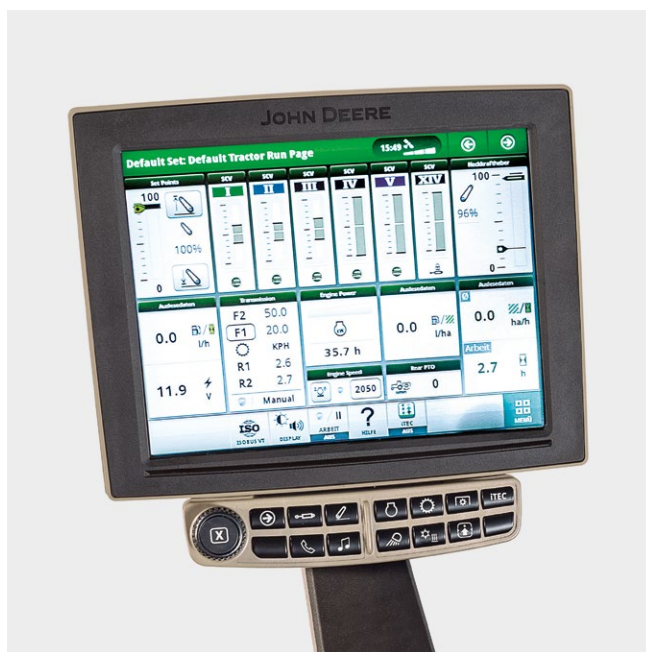
# LIFT IT ALL

## HITCH OPTIONS

No matter what or how much – 8R family tractors have a wide range of hitch and drawbar options available to combine their incredible pulling power with versatility across a wide variety of applications.



Optionally available, the iTEC™ compatible front hitch has a maximum lift capacity of 5,200 kg at the hooks.



## EFFORTLESS THREE POINT HITCH CONTROL

Hitch controls are located in the CommandCenter™: electronic sensors relay information to the control module for fast and accurate corrections. Controls can also be accessed on the rear fender.





## REAR HITCH OPTIONS

8R Series tractors offer a variety of rear hitch options to complement application needs all the way up to 12,124 kg of pure lifting power.

Seamlessly integrated into the tractor design, the right-hand steps are now available in base configuration.



### AUTOMATIC WAGON HITCH

Makes attaching implements much more convenient compared to manual wagon hitches.



### BALL-TYPE AND PITON FIX HITCHES

In low position, these hitches provide optimum traction and driving dynamics for tractor/trailer combinations. The 80 mm ball hitch allows vertical loads of up to 4,000 kg.

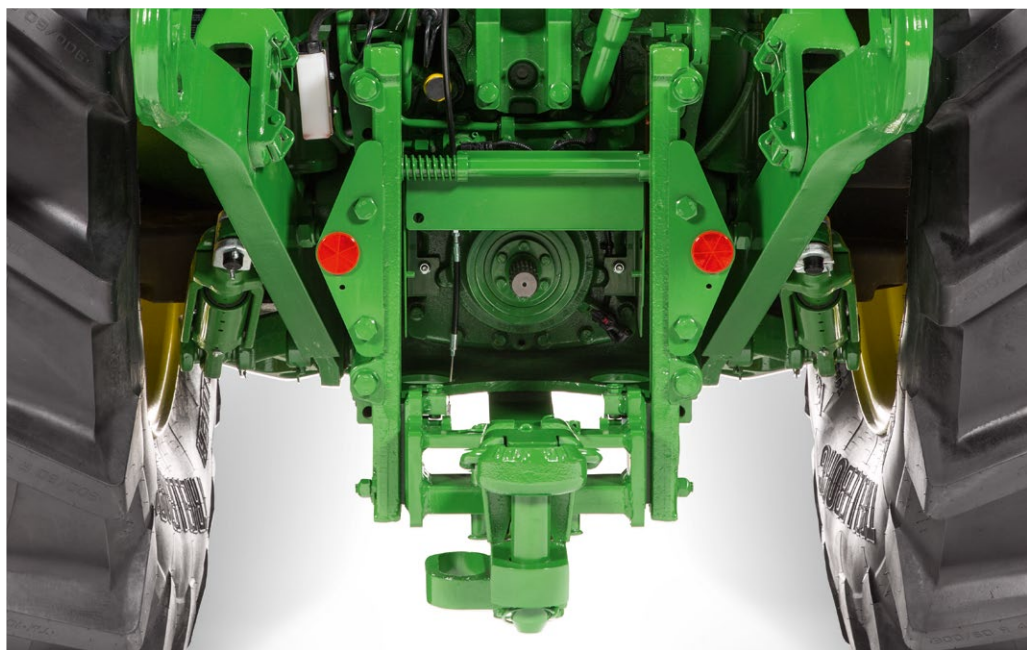


### FORCED STEERING SYSTEM

For even more versatility, our hitches can be equipped with a forced steering system to operate large trailers with steering axles.

## STRONG DRAWBAR

The Category 4 drawbar guarantees a maximum durability when handling the most demanding implements in any field application.



# THE ART OF TRACTION

## BALLASTING

With the ever-increasing cost of fuel, correct weight distribution and flexible ballasting play a more important role in driving productivity and performance. John Deere 8R Series tractors offer several options to provide the optimum balance.



### FRONT SUITCASE WEIGHTS (50 KG)

Up to 22 suitcase weights of 50 kg each can easily be mounted/dismounted on the front weight support. They facilitate optimised weight distribution between the rear and front axles, as the amount of weights being used can be quickly adapted to application requirements.





### PICK-UP WEIGHTS

Pick-up weights help you get the perfect balance and improve the tractive performance of your 8R. Available in 900 kg, 1,150 kg, 1,500 kg and 1,800 kg versions, they can be mounted to the front hitch and the front weight support (900 & 1,150 kg only).

### REAR WHEEL WEIGHTS

Rear wheel weights enable correct ballasting of the rear axle for improved traction. Available with 70 kg, 205 kg, 530 kg, 625 kg (inner only) and 900 kg outer wheel weights.



70 kg Starter Weight + 1x/2x  
205 kg flexible ballasting fits all  
tyre sizes.



70 kg Starter Weight + 530 kg  
Compact weight in order to stay  
within 2.55 m.



70 kg Starter Weight + 900 kg  
Heavy ballast for heavy pull with  
42" or bigger rims.



625 kg Inner weight, also possible  
with trailer brakes and additional  
oil out-take reservoir.



## SERVICES THAT BENEFIT YOU

### FARMSIGHT™ SERVICES

John Deere dealers have access to several cutting-edge digital remote tools that allow them to provide you with a suite of proactive services tailored to your needs. 8R/RT/RX come with a JDLink™ telematics module as standard, including a free 5-year subscription. To start benefiting from that, you simply need to provide your consent and agree with your John Deere dealer on the scope of your FarmSight™ Services package.

### FARMSIGHT™ SERVICES PACKAGES

	IN BASE	SELECT	PREMIUM	ULTIMATE
1   Pre-Delivery Inspection	■	■	■	■
2   MyJohnDeere™ Account Setup	■	■	■	■
3   Machine Handover Training	■	■	■	■
4   Remote Machine Monitoring (incl. Expert Alerts)	■	■	■	■
5   Automatic Maintenance Planning	■	■	■	■
6   Operations Center Introduction	-	■	■	■
7   Seasonal Phone Support	-	■	■	■
8   Expert Check	-	■	■	■
9   Optimisation Visit	-	-	■	■
10   Remote Operator Support	-	-	■	■
11   Remote Performance Check	-	-	■	■
12   Back-up machine	-	-	-	■

\* The FarmSight™ Services packages content & prices are defined by your local John Deere dealer and can deviate in scope and composition.



### **EXPERT ALERTS**

Expert Alerts, our newest remote diagnostics advancement, is based on smart software algorithms that can predict many potential technical issues before they have a negative impact or cause damage. Repairs become plannable while downtime and costs can be reduced significantly.

### **REMOTE MACHINE MONITORING**

It's yet another service that sets John Deere apart. Upon your consent, our Machine Dashboard displays the operating condition data and error codes to your dealer in real time. He can remotely connect to the machine, run further diagnostics and perform remote software updates to help you faster than ever before. Plus, our new Expert Alerts are included as well.

### **AUTOMATIC MAINTENANCE PLANNING**

You'll always be perfectly on track with your maintenance. Automated notifications can be based on actual machine hours or calendar dates and alert you to maintenance tasks which need to be performed.

### **MYJOHNDEERE™ ACCOUNT SETUP**

This service includes the basic set-up of a MyJohnDeere™ account and Operations Center organisation to connect your machine.

### **REMOTE OPERATOR SUPPORT**

You need instant advice and can't wait for someone to come to the field? Remote Display Access allows your dealer expert to remotely assist you and your operators with machine/ implement setup and more – like being virtually in the cab.

### **EXPERT CHECK**

Using a special John Deere inspection checklist, your dealer expert performs a thorough technical examination of your machine. He will advise you on what measures to take and take care of all relevant software updates to ensure maximum uptime in the next season.

### **OPERATIONS CENTER INTRODUCTION**

You want to properly store and manage field boundaries, guidance lines, documentation data and have access to a full suite of farm management tools? Then this is the right package element for you.

### **OPTIMISATION VISIT**

Benefit from dealer product specialist experience to fully exploit your machine's capabilities. Thanks to their detailed product knowledge, dealer product specialists can help you by reviewing your current machine settings and providing improvement recommendations.



# POWERGARD™


STATUS: PROTECTED

When you protect your equipment with a PowerGard™ Protection plan\*, your business has the steady machine uptime and nonstop peak performance it needs to thrive.



\* At participating dealers only. Requires a maintenance plan.





PowerGard™ agreements protect you against unexpected repair costs and keep your maintenance on track with genuine parts. Three fixed rate packages provide increasingly comprehensive levels of cover to keep your machine running at peak performance with steady uptime.

### **POWERGARD™ MAINTENANCE**

Preventative maintenance work – it's essential for keeping equipment in good working order based on factory recommended intervals.\*

### **POWERGARD™ PROTECTION**

Base level of protection that covers unusual events that can lead to costly repairs. Also covers the main drive train components.

### **POWERGARD™ PROTECTION PLUS**

The ultimate in protection – the total peace of mind package that covers all components included in PowerGard™ Protection, plus electrical, cooling, hydraulics and more.

### **FINANCING**

Include your PowerGard™ Protection agreements into your financing offer and benefit from competitive rates, with flexible payments.\*

\* PowerGard™ agreements and Financing for PowerGard™ Maintenance is currently only available with participating dealers. Country regulations apply.

# YOUR WORKPLACE, YOUR CHOICE

It's where you work, so make it yours by choosing our Select, Premium, Ultimate or "John Deere" Signature editions.

## EDITIONS

DESCRIPTION	SELECT (0584)	PREMIUM (0585)	ULTIMATE (0586)	"JOHN DEERE" SIGNATURE (055B)
<b>TRANSMISSION</b>				
PowerShift™ 16-Speed	■	-	-	-
e23™	□	■	■	■
AutoPowr™	-	□	□	□
<b>FRONT AXLE</b>				
1500 Axle	□	-	-	-
ILS™	■	■	■	■
<b>HYDRAULICS</b>				
Hydraulic Pump 227 l/min	■	■	-	-
Hydraulic Pump 321 l/min	□	□	■	■
4-eSCVs Premium	■	■	-	-
5-eSCVs Premium	□	□	■	■
6-eSCVs Premium	-	□	-	-
Electrical Joystick	-	□	■	■
Rear Hitch with Sway Blocks	■	■	-	-
Rear Hitch with Deluxe Stabilisers	□	□	■	■
<b>CAB</b>				
CommandCenter™ 4200	■	■	-	-
CommandCenter™ 4600	-	□	■	■
CommandPRO™	-	□	□	□
Cab Suspension	-	□	□	□
ActiveSeat™ II	-	□	□	□
<b>RECEIVER</b>				
StarFire™ 6000 (integrated) – SF1	□	□	□	-
StarFire™ 6000 (integrated) – SF3	□	□	□	-
StarFire™ 6000 (integrated) – RTK	□	□	□	■
<b>HITCHES</b>				
Front Hitch	□	□	□	■
<b>COMFORT &amp; CONVENIENCE PACKAGES</b>				
Select	■	-	-	-
Premium	□	■	-	-
Ultimate	-	□	■	■
<b>VISIBILITY PACKAGES</b>				
Select	■	-	-	-
Premium	□	■	-	-
Ultimate	-	□	■	■
<b>CONNECTIVITY PACKAGES</b>				
Premium	-	□	□	-
Ultimate	-	□	□	■

Legend: ■ base; □ optional; - excluded



## SPECIFICATIONS 8R SERIES



	8R 280	8R 310	8R 340	8R 370	8R 410
<b>ENGINE PERFORMANCE</b>					
Rated Engine Power (ECE-R120), hp (kW)	280 (206)	310 (228)	340 (250)	370 (272)	410 (302)
Rated Engine Power with IPM (ECE-R120), hp (kW)	315 (232)	345 (254)	375 (276)	405 (298)	445 (327)
Max Engine Power at 1,900 rpm (ECE-R120), hp (kW)	308 (227)	341 (251)	374 (275)	407 (299)	443 (326)
Max Engine Power with IPM at 1,900 rpm (ECE-R120), hp (kW)	326 (240)	357 (263)	388 (285)	420 (309)	458 (337)
Intelligent Power Management (hp)	35	35	35	35	35
Constant Power Range (rpm)	1,500 - 2,100	1,500 - 2,100	1,500 - 2,100	1,500 - 2,100	1,600 - 2,100
PTO Torque Rise, %	40	40	40	40	40
PTO Power Bulge, %	10	10	10	10	8
Engine Peak Torque @ 1,600 rpm (Nm)	1,311	1,452	1,592	1,732	1,851
<b>ENGINE</b>					
Manufacturer	John Deere Power Systems				
Type	John Deere PowerTech™ PVS 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		John Deere PowerTech™ PSS 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		
Rated Engine Speed, rpm	2,100				
Aftertreatment	Longlife & maintenance-free diesel particle filter (DPF), Diesel oxidation filter (DOC), Selective Catalytic Reduction (SCR)				
Engine Air Filter	Dual stage with exhaust aspiration				
Aspiration	Single variable geometry turbocharger – air-to-air aftercooling and cooled exhaust gas recirculation		Dual Series Turbocharger w/ fixed geometry first stage-variable geometry second stage – air-to-air aftercooling and cooled exhaust gas recirculation		
Cylinder / displacement, l	6 / 9.0				
Bore and stroke, mm	118.4 x 136				
Fuel Injection	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)				
Fuel filter System	Two Stage with water separator and service indicator light				
<b>TRANSMISSION OPTIONS</b>					
<b>16/5-POWERSHIFT™ WITH AUTOMATIC POWERSHIFT™ (APS)</b>					
16 Forward / 5 Reverse Gears, right hand reverser	42 km/h @ 2,160 rpm with 205 cm tyres, 42 km/h @ 2,050 rpm with 215 cm tyres			N / A	
<b>e23™ TRANSMISSION WITH EFFICIENCY MANAGER™</b>					
23 Forward / 11 Reverse Gears, 40 km/h, left & right hand reverser	42 km/h @ 1,480 rpm with 205 cm tyres, 42 km/h @ 1,410 rpm with 215 cm tyres				
23 Forward / 11 Reverse Gears, 50 km/h, left & right hand reverser	50 km/h @ 1,770 rpm with 205 cm tyres, 50 km/h @ 1,670 rpm with 215 cm tyres				
<b>AUTOPOWER™</b>					
Variable, 0.05 - 42 km/h, left & right hand reverser or CommandPRO™	42 km/h @ 1,430 rpm with 205 cm tyres, 42 km/h @ 1,360 rpm with 215 cm tyres			N / A	
Variable, 0.05 - 50 km/h, left & right hand reverser or CommandPRO™	50 km/h @ 1,710 rpm with 205 cm tyres, 50 km/h @ 1,630 rpm with 215 cm tyres			N / A	
<b>AXLES</b>					
<b>REAR AXLES</b>					
120 x 2,550 mm diameter short, double flat axle with single taper hub	Base				
Rear Wheel Equipment (diameter)	205 or 215 cm diameter tyres – See dealer for tyre size selection and limitations				
<b>FRONT AXLES</b>					
1500 Series MFWD	Base				
ILS™ – Independent Link Suspension	Optional				
ILS™ – suspension travel	+ / - 125 mm at tread centerline for 5 step ratio axle at 1,880 mm tread				
ILS™ with wet disk front brakes	Optional				
<b>DIFFERENTIAL LOCK</b>					
Differential Lock – Front and Rear Axle	Full-locking electro-hydraulic – On/Off Auto Mode depending on Steering Angle				
<b>ELECTRICAL SYSTEM</b>					
Alternator / Battery	Standard: 250 amps / 12 Volt; Option: 330 amps / 12 Volt				
Total cold cranking amps	1,850 (2 batteries in parallel – 925 CCA, group 31 batteries)				

## SPECIFICATIONS 8R SERIES

	8R 280	8R 310	8R 340	8R 370	8R 410
<b>STEERING</b>					
Type	Tilt-telescope steering console with Memory function				
Hydraulic power-steering with electric pump back-up	345 mm Steering Wheel Diameter; 1500 MFWD 22.8:1 Ratio and 5 Turns Lock to Lock; ILS™ 18.9 : 1 Ratio and 4.3 Turns from Lock to Lock				
Active Command Steering (ACS™) with electric pump back-up	Optional with ILS™ – 345 mm Steering Wheel Diameter, 15:1 - 23:1 Variable ratios depending on speed; 3.1 - 5.0 Turns from Lock to Lock; with Dynamic Road Wheel Offset Control and passive tactile feedback				
<b>HYDRAULIC SYSTEM</b>					
Type	Closed-centre, pressure & flow compensated system (PFC) with load sensing				
Main pump, axial piston (displacement)	Base: 85 cm³; Optional: Dual pump 85 cm³ plus 35 cm³				
Maximum pressure, bar	204				
Rear Selective control valves with 1/2 inch ISO couplers	4 / 5 / 6				
Rear Selective control valves with 3/4 inch and 1/2 inch ISO couplers	max. 5 available (SCV 1: 3/4 inch coupler, SCV 2-5 : 1/2 inch couplers)				
Rated flow, 85 cm³ pump, l/min	227				
Rated flow, Dual Pump 85 cm³ plus 35 cm³, l/min	321				
Maximum flow at a single Rear SCV, l/min	1/2 inch coupler: 132; 3/4 inch coupler: 159				
Front SCV's	1 SCV in base with Front Hitch, 2 SCV's optional with Front Hitch				
Available flow at Front SCV's, l/min	96				
Oil Take out capacity in base / optional with auxiliary tank, l	40 / 90				
Power beyond couplers	Optional; 1/2 or 3/4 inch couplers				
<b>REAR HITCH</b>					
Type	Electro-hydraulic Lower Link Sensing; load & depth control, infinite mix, float				
Coupler System	Walterscheid Hook Style Ends				
Lower Link Stabilisation	Sway Blocks or Deluxe Sway Stabilisers				
Category	3/3N or 4N/3				4N/3
Lift capacity through full lift range, (610 mm behind the coupler, OECD)	Base – 6,900 kg – Cat. 3/3N Option – 8,165 kg – Cat. 3/3N Option – 9,000 kg – Cat. 4N/3				Base – 9,000 kg – Cat. 4N/3
Centre Link	Option – Hydraulic Centre Link – Cat. 3 (90 mm) Option – Hydraulic Centre Link – Cat. 4 (120 mm)				Option – Hydraulic Centre Link – Cat. 4 (120 mm)
<b>DRAWBAR &amp; TRAILER HITCH</b>					
Swinging Drawbar	Cat. 3 with 38 mm pin / Cat. 4 with 50 mm pin				
Maximum Vertical Load (Please check country specific limitations)	1,837 kg with Cat. 3, 2,245 kg with Cat. 4, 3,000 kg with Cat. 4 HD				
3-in-1-hitch, with Cat. 3 / Cat. 4 drawbar	Optional				
Wagon hitch, for 3-in-1-hitch	Optional				
Ball Hitch, for 3-in-1-Hitch	Optional				
Piton Fix Hitch, for 3-in-1-Hitch	Optional				
Pick-up hitch, with hook and Cat. 3 drawbar	Optional				
<b>FRONT HITCH, OPTIONAL</b>					
Type	Ground Engaging Front Hitch				
Category	3N				
Maximum lift capacity	5,200 kg				
<b>REAR PTO</b>					
Type	Independent, Electro-hydraulic switched via oil-cooled multi-disc clutch				
PTO 1,000 rpm – Engine rpm @ rated PTO speed*	1,995				
PTO 1,000 / 1,000E rpm – Engine rpm @ rated PTO speeds*	1,995 / 1,590				
PTO 540 / 1,000 rpm – Engine rpm @ rated PTO speeds*	1,810 / 1,950				N/A
Stub 1-3/4 in (45 mm diameter), 20-spline, 1,000 rpm	Base				
Stub 1-3/4 in (45 mm diameter), 20 spline, 1,000 / 1,000E rpm gearcase, shiftable in cab via the CommandCenter™	Optional				
Stub 1-3/4 in (45 mm diameter), 20-spline, 1,000 rpm; capable of 1-3/8 in (35 mm diameter) 540 / 1,000 rpm gearcase	Optional				N/A
<b>FRONT PTO, OPTIONAL</b>					
Type	Electro-hydraulic switched via oil-cooled multi-disc clutch (Requires ILS™ axle and AutoPowr™ or e23™ Transmission)				
PTO 1,000 rpm – Engine rpm @ rated PTO speed	2,000				
Stub 1-3/8 in (35 mm diameter), 1,000 rpm, Counter-Clockwise Rotation	6-spline or 21-spline				

\* The engine speeds will vary minimal depending on the transmission type of the tractor





	8R 280	8R 310	8R 340	8R 370	8R 410
<b>CAB</b>					
Suspension System	Optional – Cab Suspension or John Deere exclusive ActiveSeat™ II				
Display	Generation 4 CommandCenter™ 4200 with 8.4 inch or 4600 with 10 inch Touchscreen Display, optional Extended Display				
Seat	Base: Cloth; Optional: perforated leather seat with active ventilation, heating and massage function				
Seat Adjustment	Optional: 25° left hand and 40° right hand seat swivel; electric seat adjustment, pneumatic lumbar support, seat bottom Cushion Tilt / Extend, Adjustable Backrest Bolsters				
Infotainment	Base: AM/FM Radio; Optional: 6.4" touchscreen DAB+ Radio with 6.1 channel speaker system and Bluetooth				
Comfort Features	Optional: Actively cooled refrigerator, foot rests				
Lighting	Halogen or 360° LED lighting package; optional: 3 LED beacon lights				
<b>MISCELLANEOUS</b>					
AutoTrac™ ready	Base				
ISOBUS Implement Connection	Base				
Modular Telematics Gateway (MTG)	Available with JDLink™ hardware, activations, and ethernet harnesses (availability dependent upon destination)				
Service Advisor™ Remote	Available with JDLink™ hardware and activations				
CommandCenter™ video / camera capability	1 Video input for 4200 Display, 4 Video inputs for 4600 Display; Optional: Integrated front and rear camera				
Trailer Brake System	Optional; Pneumatic Dual Line System incl. Air Dryer or Hydraulic Dual Line System				
<b>CAPACITIES</b>					
Fuel tank, l	727				
DEF tank, l	37.2				
Engine oil capacity, l	27.5				
Transmission, Differential, Hydraulic system, l	1500 MFWD: 140; ILS™: 165				
<b>DIMENSIONS AND WEIGHTS</b>					
Wheelbase, mm	3,050				
Overall Length, mm					
Maximum length, measured from rear hitch to front hitch	6,640				
Minimum length, measured from rear hitch to front weight support (less weights)	6,190				
Overall Height, mm					
Maximum height, measured with 215 cm (SRI 1025) rear tyres	3,550				
Minimum height, measured with 205 cm (SRI 975) rear tyres	3,500				
Overall Width, mm					
Overall width <sup>1</sup>	2,602				
Rear Axle, End to End <sup>2</sup>	2,550				
Ground Clearance, mm					
Front Axle Clearance	590				
Drawbar clearance <sup>3</sup>	440				
Turning Radius					
with 600/70R30 group 43 tyres @ 78" spacing, ILS™, m	5.8				
with 600/70R30 group 43 tyres @ 74.1" spacing ILS™, m (-2.5 m overall width)	6.1				
with 650/60R34 group 44 tyres @ 82" spacing ILS™, m (-2.73 m overall width)	6.3				
Weights					
Average Shipping Weight, kg <sup>4</sup>	14,000				
Maximum Permissible Weight, kg	18,000				
<b>TYRE SIZES</b>					
Front axle max. tyre sizes, (diameter in cm)	650/60R34 (170)				
Rear axle max. tyre sizes, (diameter in cm)	900/60R42 (215)				

<sup>1</sup> Equipped with 710/70R42 tyres, tread settings of 1,793 mm (valve stem out) or 2,023 mm (valve stem in)

<sup>2</sup> Overall width dependent on axle configuration and tread settings; overall vehicle width for driving on public roads shall not exceed 2,550 mm

<sup>3</sup> Equipped with 205 cm (SRI 975) rear tyres; dimensions will vary depending on tyre manufacturer

<sup>4</sup> Equipped with ILS™/e23™/double flat axle/front hitch/3-in-1 hitch with 80 mm ball/Cat 4 rear hitch/IF900/60R42 rear tires/IF600/70R30 front tyres/87 litre Diesel

## SPECIFICATIONS 8RT SERIES

	8RT 310	8RT 340	8RT 370	8RT 410
<b>ENGINE PERFORMANCE</b>				
Rated Engine Power (ECE-R120), hp (kW)	310 (228)	340 (250)	370 (272)	410 (302)
Rated Engine Power with IPM (ECE-R120), hp (kW)	345 (254)	375 (276)	405 (298)	445 (327)
Max Engine Power at 1,900 rpm (ECE-R120), hp (kW)	341 (251)	374 (275)	407 (299)	443 (326)
Max Engine Power with IPM at 1,900 rpm (ECE-R120), hp (kW)	357 (263)	388 (285)	420 (309)	458 (337)
Intelligent Power Management (hp)	35	35	35	35
Constant Power Range (rpm)	1,500 - 2,100	1,500 - 2,100	1,500 - 2,100	1,600 - 2,100
PTO Torque Rise, %	40	40	40	40
PTO Power Bulge, %	10	10	10	10
Engine Peak Torque @ 1,600 rpm (Nm)	1,452	1,592	1,732	1,851
<b>ENGINE</b>				
Manufacturer	John Deere Power Systems			
Type	John Deere PowerTech™ PVS 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		John Deere PowerTech™ PSS 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head	
Rated Engine Speed, rpm	2,100			
Aftertreatment	Longlife & maintenance-free dieselparticle filter (DPF), Diesel oxidation filter (DOC), Selective Catalytic Reduction (SCR)			
Engine Air Filter	Dual stage with exhaust aspiration			
Aspiration	Single variable geometry turbocharger – air-to-air aftercooling and cooled exhaust gas recirculation		Dual Series Turbocharger w/fixed geometry first stage-variable geometry second stage – air-to-air aftercooling and cooled exhaust gas recirculation	
Cylinder / displacement, l	6 / 9.0			
Bore and Stroke, mm	118.4 x 136			
Fuel injection	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)			
Fuel Filter System	Two Stage with water separator and service indicator light			
<b>TRANSMISSION OPTIONS</b>				
<b>e23™ TRANSMISSION WITH EFFICIENCY MANAGER™</b>				
23 Forward / 11 Reverse Gears, 40 km/h, left & right hand reverser	42 km/h @ 1,600 rpm			
<b>AUTOPOWER™</b>				
Variable, 0.05 - 42 km/h, left & right hand reverser or CommandPRO™	42 km/h @ 1,550 rpm			N / A
<b>REAR AXLES</b>				
Final Drives	Inboard planetary			
Tread spacing – 120 x 2,750 mm (108 in) short, Double Flat Axle	1,828 - 2,337 mm (72 - 92 in)			
Tread spacing – 120 x 3,460 mm (136 in) long, Double Flat Axle – for 3.00 m Controlled Traffic Applications	1,828 - 3,048 mm (72 - 120 in)			
Track type	Camso® DURABUILT® 4500 and 6500 Series Track Belts			
Track widths	400 mm (16") / 460 mm (18") / 600 mm (24") / 635 mm (25") / 760 mm (30")			
Drive Wheel Widths	380 mm (15") – for track widths from 400 mm (16") – 760 mm (30") 610 mm (24") – for track widths from 635 mm (25") – 760 mm (30")			
Mid-Rollers	Rubber Mid-Rollers Polyurethane Mid-Rollers (for 600 mm or narrower belt)			
Undercarriage Suspension	AirCushion™ adaptive air suspension			
Maximum Suspension Travel at front idlers, mm <sup>1</sup>	400			
<b>GROUND CONTACT AREA</b>				
with 400 mm (16") track width, m <sup>2</sup>	2.0			
with 460 mm (18") track width, m <sup>2</sup>	2.3			
with 610 mm (24") track width, m <sup>2</sup>	3.1			
with 635 mm (25") track width, m <sup>2</sup>	3.2			
with 760 mm (30") track width, m <sup>2</sup>	3.8			
<b>STATIC GROUND PRESSURE (vehicle weight: 17,690 kg)</b>				
with 400 mm (16") track width, kPa	86			
with 460 mm (18") track width, kPa	77			
with 610 mm (24") track width, kPa	57			
with 635 mm (25") track width, kPa	55			
with 760 mm (30") track width, kPa	46			
<b>ELECTRICAL SYSTEM</b>				
Alternator/Battery	Standard: 250 amps / 12 Volt; Option: 330 amps / 12 Volt			
Total cold cranking amps	1,850 (2 batteries in parallel – 925 CCA, group 31 batteries)			
<b>STEERING</b>				
Type	Tilt-telescope steering console with Memory function			
Hydraulic power-steering with electric pump back-up	Speed-sensitive, electro-hydrostatic differential – 406 mm Steering Wheel Diameter, Turns Lock to Lock: 1.8			





	8RT 310	8RT 340	8RT 370	8RT 410
<b>HYDRAULIC SYSTEM</b>				
Type	Closed-centre, pressure & flow compensated system (PFC) with load sensing			
Main pump, axial piston (displacement), cm <sup>3</sup>	85			
Maximum pressure, bar	204			
Rated flow, 85 cm <sup>3</sup> pump, l/min	227			
Rear Selective control valves with 1/2 inch ISO couplers	4 / 5 / 6			
Rear Selective control valves with 3/4 inch and 1/2 inch ISO couplers	max. 5 available (SCV 1: 3/4 inch coupler, SCV 2-5: 1/2 inch couplers)			
Maximum flow at a single Rear SCV, l/min	1/2 inch coupler: 132; 3/4 inch coupler: 159			
Oil Take out capacity, l	35			
Power beyond couplers	Optional; 1/2 or 3/4 inch couplers			
<b>REAR HITCH</b>				
Type	Electro-hydraulic Lower Link Sensing; load & depth control, infinite mix, float			
Coupler System	Walterscheid Hook Style Ends			
Lower Link Stabilisation	Sway Blocks			
Category	4N/3			
Lift capacity through full lift range, (610 mm behind the coupler, OECD)	8,800 kg			
<b>DRAWBAR</b>				
Swinging Drawbar	Cat. 4 with 50 mm pin			
Maximum Vertical Load (Please check country specific limitations)	2,245 kg with Cat. 4, 3,000 kg with Cat. 4 HD			
<b>REAR PTO</b>				
Type	Independent, Electro-hydraulic switched via oil-cooled multi-disc clutch			
PTO 1,000 rpm – Engine rpm @ rated PTO speed	2,000			
Stub 1-3/4 in (45 mm diameter), 20-spline, 1,000 rpm	Base			
<b>CAB</b>				
Suspension System	Base: 4-post cab suspension			
Display	Generation 4 CommandCenter™ 4200 with 8.4 inch or 4600 with 10 inch Touchscreen Display, optional Extended Display			
Seat	Base: Cloth; Optional: perforated leather seat with active ventilation, heating and massage function			
Seat Adjustment	Optional: 25° left hand and 40° right hand seat swivel; electric seat adjustment, pneumatic lumbar support, seat bottom Cushion Tilt / Extend, Adjustable Backrest Bolsters			
Infotainment	Base: AM/FM Radio; Optional: 6.4" touchscreen DAB+ Radio with 6.1 channel speaker system and Bluetooth			
Comfort Features	Optional: Actively cooled refrigerator, foot rests			
Lighting	Halogen or 360° LED lighting package; optional: 3 LED beacon lights			
<b>MISCELLANEOUS</b>				
AutoTrac™ ready	Base			
ISOBUS Implement Connection	Base			
Modular Telematics Gateway (MTG)	Available with JDLink™ hardware, activations, and ethernet harnesses (availability dependent upon destination)			
Service Advisor™ Remote	Available with JDLink™ hardware and activations			
CommandCenter™ video / camera capability	1 Video input for 4200 Display, 4 Video inputs for 4600 Display; Optional: Integrated front and rear camera			
<b>CAPACITIES</b>				
Fuel Tank, l	764			
DEF tank, l	31.3			
Engine oil capacity, l	25			
Transmission, differential, hydraulic system, l	180			
<b>DIMENSIONS AND WEIGHTS</b>				
Wheelbase, mm	2,515			
Overall Length, mm				
Incl. rear hitch and front weight support without / with weights	6,460 / 6,900			
Overall Height, mm				
Maximum Height	3,530			
Overall Width, mm <sup>1</sup>				
Rear Axle, End to End (short / long)	2,743 / 3,454 (108 / 136 in)			
Track settings with 2,743 mm (108 in) rear axle and 625 mm (25 in) track width <sup>2</sup>	1,828 - 2,337 mm (72 - 92 in)			
Track settings with 3,454 mm (136 in) rear axle and 625 mm (25 in) track width <sup>2</sup>	1,828 - 3,048 mm (72 - 120 in)			
Ground Clearance, mm				
Drawbar clearance	424			
Weights				
Average shipping weight, kg <sup>3</sup>	16,225			

<sup>1</sup> Dependent on axle configuration and tread settings

<sup>2</sup> Outer track width might be narrower than the overall axle widths

<sup>3</sup> Equipped with e23™ / 87 l diesel / 625 mm (25") tracks / Cat. 4 HD drawbar / Cat. 4 hitch / front weight support without weights

## SPECIFICATIONS 8RX SERIES

	8RX 310	8RX 340	8RX 370	8RX 410
<b>ENGINE PERFORMANCE</b>				
Rated Engine Power (ECE-R120), hp (kW)	310 (228)	340 (250)	370 (272)	410 (302)
Rated Engine Power with IPM (ECE-R120), hp (kW)	345 (254)	375 (276)	405 (298)	445 (327)
Max Engine Power at 1,900 rpm (ECE-R120), hp (kW)	341 (251)	374 (275)	407 (299)	443 (326)
Max Engine Power with IPM at 1,900 rpm (ECE-R120), hp (kW)	357 (263)	388 (285)	420 (309)	458 (337)
Intelligent Power Management (hp)	35	35	35	35
Constant Power Range (rpm)	1,500 - 2,100	1,500 - 2,100	1,500 - 2,100	1,600 - 2,100
PTO Torque Rise, %	40	40	40	40
PTO Power Bulge, %	10	10	10	10
Engine Peak Torque @ 1,600 rpm (Nm)	1,452	1,592	1,732	1,851
<b>ENGINE</b>				
Manufacturer	John Deere Power Systems			
Type	John Deere PowerTech™ PVS 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		John Deere PowerTech™ PSS 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head	
Rated Engine Speed, rpm	2,100			
Aftertreatment	Longlife & maintenance-free diesel particle filter (DPF), Diesel oxidation filter (DOC), Selective Catalytic Reduction (SCR)			
Engine Air Filter	Dual stage with exhaust aspiration			
Aspiration	Single variable geometry turbocharger – air-to-air aftercooling and cooled exhaust gas recirculation		Dual Series Turbocharger w/ fixed geometry first stage-variable geometry second stage – air-to-air aftercooling and cooled exhaust gas recirculation	
Cylinder / displacement, l	6 / 9.0			
Bore and stroke, mm	118.4 x 136			
Fuel Injection	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)			
Fuel filter System	Two Stage with water separator and service indicator light			
<b>TRANSMISSION OPTIONS</b>				
<b>e23™ TRANSMISSION WITH EFFICIENCY MANAGER™</b>				
23 Forward / 11 Reverse Gears, 40 km/h, left & right hand reverser	Standard			
<b>AUTOPOWR™</b>				
Variable, 0,05 - 40 km/h, left & right hand reverser or CommandPRO™	Available			N / A
<b>AXLES</b>				
<b>REAR AXLES</b>				
Flange Axle	Base			
Tread spacing	1,930 mm (76") / 2,030 mm (80") / 2,235 mm (88") / 3,050 (120")			
Track type	Camso® 4500 General Ag Series – Positive Drive Track Belts			
Track width	420 mm (16.5") / 460 mm (18") / 610 mm (24") / 760 mm (30")			
Mid-Rollers	Polyurethane: 420 mm (16.5") / 460 mm (18") / 610 mm (24")			
Rear undercarriage pivot	±10°			
<b>FRONT AXLES</b>				
1700 Series MFWD	Base			
Tread spacing	1,930 mm (76") / 2,030 mm (80") / 2,235 mm (88") / 3,050 (120")			
Track type	Camso® 4500 General Ag Series – Positive Drive Track Belts			
Track width	420 mm (16.5") / 460 mm (18") / 610 mm (24")			
Mid-Rollers	Polyurethane: 420 mm (16.5") / 460 mm (18") / 610 mm (24")			
Front undercarriage pivot	±7° - 10° (depending on tread spacing)			
<b>DIFFERENTIAL LOCK</b>				
Differential Lock – Rear Axle	Full-locking electro-hydraulic			
Differential Lock – Front Axle	Full-locking electro-hydraulic (actuated at same time as rear diff-lock)			
<b>GROUND CONTACT AREA</b>				
with 420 mm (16.5") track width, m²	2.8			
with 460 mm (18") track width, m²	3.0			
with 610 mm (24") track width, m²	4.0			
with 610 mm (24") track width in the front and 760 mm (30") in the rear, m²	4.6			
<b>STATIC GROUND PRESSURE (vehicle weight: 20,000 kg)</b>				
with 420 mm (16.5") track width, kPa	72			
with 460 mm (18") track width, kPa	66			
with 610 mm (24") track width, kPa	50			
with 610 mm (24") track width in the front and 760 mm (30") in the rear, kPa	44			
<b>ELECTRICAL SYSTEM</b>				
Alternator/Battery	Standard: 250 amps / 12 Volt; Option: 330 amps / 12 Volt			
Total cold cranking amps	1,850 (2 batteries in parallel – 925 CCA, group 31 batteries)			
<b>STEERING</b>				
Type	Tilt-telescope steering console with Memory function			
Hydraulic power-steering with electric pump back-up	Standard			
<b>HYDRAULIC SYSTEM</b>				
Type	Closed-centre, pressure & flow compensated system (PFC) with load sensing			
Main pump, axial piston (displacement)	Base: 85 cm³; Optional: Dual pump 85 cm³ plus 35 cm³			
Maximum pressure	204			
Rear Selective control valves with 1/2 inch ISO couplers	4 / 5 / 6			
Rear Selective control valves with 3/4 inch and 1/2 inch ISO couplers	max. 5 available (SCV1: 3/4 inch coupler, SCV 2-5: 1/2 inch couplers)			
Rated flow, 85 cm³ pump, l/min	227			
Rated flow, Dual Pump 85 cm³ plus 35 cm³, l/min	321			
Maximum flow at a single Rear SCV, l/min	1/2 inch coupler: 132; 3/4 inch coupler: 159			
Oil Take out capacity, l	56			
Power beyond couplers	Optional; 1/2 or 3/4 inch couplers			





	8RX 310	8RX 340	8RX 370	8RX 410
<b>REAR HITCH</b>				
Type	Electro-hydraulic Lower Link Sensing; load & depth control, infinite mix, float			
Coupler System	Walterscheid Hook Style Ends			
Lower Link Stabilisation	Sway Blocks or Deluxe Sway Stabilisers			
Category	4N/3			
Lift capacity through full lift range, (610 mm behind the coupler, OECD)	9,000 kg – Cat. 4N/3			
Center Link	Option – Hydraulic Centre Link – Cat. 4 (120 mm)			
<b>DRAWBAR &amp; TRAILER HITCH</b>				
Swinging Drawbar	Cat. 4 with 50 mm pin			
Maximum Vertical Load (Please check country specific limitations)	2,245 kg with Cat. 4, 3,000 kg with Cat. 4 HD			
3-in-1-Hitch, with Cat. 4 drawbar	Optional			
Wagon Hitch, for 3-in-1-Hitch	Optional			
Ball Hitch, for 3-in-1-Hitch	Optional			
Piton Fix Hitch, for 3-in-1-Hitch	Optional			
Pick-up hitch, with hook and Cat. 3 drawbar	Optional			
<b>REAR PTO</b>				
Type	Independent, Electro-hydraulic switched via oil-cooled multi-disc clutch			
PTO 1,000 rpm – Engine rpm @ rated PTO speed	1,995			
PTO 1,000 / 1,000E rpm – Engine rpm @ rated PTO speeds	1,995 / 1,590			
PTO 540 / 1,000 rpm – Engine rpm @ rated PTO speeds	1,810 / 1,950			N/A
Stub 1-3/4 in (45 mm diameter), 20-spline, 1,000 rpm	Base			
Stub 1-3/4 in (45 mm diameter), 20-spline, 1,000 / 1,000E rpm gearcase, shifttable in cab via the CommandCenter™	Optional			
Stub 1-3/4 in (45 mm diameter), 20-spline, 1,000 rpm; capable of 1-3/8 in (35 mm diameter) 540 / 1,000 rpm gearcase	Optional			N/A
<b>CAB</b>				
Suspension System	Base: 4-post cab suspension			
Display	Generation 4 CommandCenter™ 4200 with 8.4 inch or 4600 with 10 inch Touchscreen Display, optional Extended Display			
Seat	Base: Cloth; Optional: perforated leather seat with active ventilation, heating and massage function			
Seat Adjustment	Optional: 25° left hand and 40° right hand seat swivel; electric seat adjustment, pneumatic lumbar support, seat bottom Cushion Tilt / Extend, Adjustable Backrest Bolsters			
Infotainment	Base: AM/FM Radio; Optional: 6.4" touchscreen DAB+ Radio with 6.1 surround speaker system and Bluetooth			
Comfort Features	Optional: Actively cooled refrigerator, foot rests			
Lighting	Halogen or 360° LED lighting package; optional: 3 LED beacon lights			
<b>MISCELLANEOUS</b>				
AutoTrac™ ready	Base			
ISOBUS Implement Connection	Base			
Modular Telematics Gateway (MTG)	Available with JDLink™ hardware, activations, and ethernet harnesses (availability dependent upon destination)			
Service Advisor™ Remote	Available with JDLink™ hardware and activations			
CommandCenter™ video / camera capability	1 Video input for 4200 Display, 4 Video inputs for 4600 Display; Optional: Integrated front and rear camera			
Trailer Brake System	Optional: Pneumatic Dual Line System incl. Air Dryer or Hydraulic Dual Line System			
<b>CAPACITIES</b>				
Fuel tank, l	851			
DEF tank, l	37.2			
Engine oil capacity, l	27.5			
<b>DIMENSIONS AND WEIGHTS</b>				
Wheelbase, mm	3,235			
Overall Length, mm				
Minimum length, measured from rear hitch to front weight support (less weights)	6,320			
Overall Height, mm				
Maximum Height	3,735			
Overall Width, mm				
Overall width <sup>1</sup>	2,794			
Ground Clearance, mm				
Front Axle Clearance	640			
Drawbar clearance	511			
Turning Radius				
with 80° tread spacing, 24" front and 30" rear tracks	5.4			
<b>Weights</b>				
Average Shipping Weight, kg <sup>2</sup>	18,700			
Average Payload Capacity, kg <sup>2</sup>	5,300			
Maximum Permissible Weight, kg	24,000			

<sup>1</sup> Equipped with 24" front tracks and 30" rear track and set to a 80° tread setting

<sup>2</sup> Equipped with e23"/24" front and 30" rear tracks/front weight support/3-in-1 hitch with 80 mm ball/Cat 4 drawbar/87 liter Diesel

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