

# 6R Series Tractors

158 to 188 kW (215 to 255 hp) (97/68EC) with Intelligent Power Management



## The new 6R Series. Your athlete.

Like any true athlete, our new 6R tractors have the capability to perform successfully, even in conditions that are far from ideal. They are engineered to meet the diverse challenges provided by terrain, prevailing conditions and operational windows. Hardly surprising: at John Deere we pride ourselves on ensuring that our products always exceed expectations, especially where uptime, performance and lower operating costs are concerned.

There are many reasons for choosing a 6R tractor: state-of-the-art, integrated technologies, exceptional all-round visibility, user-friendly control interfaces and the new generation CommandARM. And now, to comply with demanding Stage IV requirements, we've refined the industry's Diesel Exhaust Fluid (DEF) system to meet our own stringent standards. That's typical of the John Deere philosophy to exceed your expectations on all fronts.





## CONTENTS

Introduction .....	2
Our commitment to you .....	4
Quality .....	6
Overview .....	8
ComfortView Cab .....	10
Controls .....	12
Ride comfort .....	14
360° Illumination .....	16
Advanced Efficiency .....	18
Transmissions .....	20
Hydraulics .....	22
Hitches .....	24
Implement Automation / Full Frame .....	26
Intelligent Solutions .....	28
Added value .....	32
Specifications .....	34

## Delivering what you need

We've been building machinery for the agricultural industry for over 175 years. From the word "go" it's been our philosophy to maintain a deep understanding of the needs and desires of all who work on the land. That means we never stop listening to you, our existing or potential customers.

As a result, we've identified three essential areas that define your requirements: uptime, performance and lower operating costs.



### Uptime

#### **Maintaining your work rate**

Machine downtime is no one's friend. All your machines must be capable of functioning exactly as your operations require, day or night as necessary. Our John Deere 6R Series tractors are built to maintain uptime and keep your operations up and running as productively as possible.

### Performance

#### **Raising your game**

Our 6R Series tractors are built to perform beyond your expectations and to maximise the productivity of your operators too, whatever the task. Their operator environment has been carefully designed to minimise stress and fatigue levels, enabling longer working hours without any decline in efficiency and accuracy.

### Lower operating costs

#### **Maximising efficiency**

It's our philosophy that reducing operating costs must never jeopardise the quality of your work. On the contrary: we concentrate on developing solutions that improve your productivity while lowering your costs at the same time. 6R Series tractors, now with service intervals extended to 750 hours, are available with your choice of super-efficient transmission systems.



### **Ticking all the boxes: 750 hour service intervals**

Longer service intervals enable longer operating periods without interruption. At a stroke, this delivers more working uptime, enhanced performance and reduced operating costs. Just one example of how John Deere develops products that go the extra mile to meet your needs.



## Quality has a name: John Deere

The name John Deere is synonymous with high quality products that exceed customer expectations. For you, nothing is more important than the knowledge that your agricultural machinery is built to the highest possible standards and is not going to let you down. How we achieve this is not rocket science: we talk and listen to you, our customers. Your opinions and feedback, combined with our innovative engineering initiatives, help us develop the machinery and equipment that improve the success of your operations.

### Customer Satisfaction Index

Six months after taking delivery of your tractor, you will receive a questionnaire that enables you to tell us about your experience with our product. At John Deere, this has been standard practice for years and the resulting data has contributed to new product development and the quality of our manufacturing and service processes.

### Customer Focus Group

We keep our finger on the pulse of the market by involving customers in the product development process right from the beginning. Long before a new tractor is launched, the prototype will already have been evaluated by a representative group of customers. We put great value on the input of these agricultural professionals.

### John Deere Quality and Production System

How do we make the best even better? By constantly reviewing our procedures and practices to reduce complexity, improve effectiveness and optimise efficiency. And by implementing six sigma quality guidance principles, best practices and common tools and processes, so that we can focus on maximising quality in a systematic and cost effective way.



**Practice makes perfect**

Our reputation as the manufacturer of reliable agricultural machinery is put to the test every day. So, before our tractors reach the marketplace, the John Deere Development Engineering Group subjects them to years of intensive testing. Wind tunnels, cold rooms, bump tracks, tilt platforms, electrical magnetic interference tests and mud baths recreate the most extreme of all agricultural conditions. Because we know, in the real world, you need tractors that won't let you down.



## Anatomy of a true athlete

Over 45,000 6R Series tractors have already been produced and now the large frame versions have been further refined to set new industry benchmarks with outstanding performance, effective uptime and lower operational costs. These machines are Stage IV compliant, with a new DEF system that has been engineered by John Deere.

There's also the new Generation 4 CommandCenter, revised hydraulic valve stack and a new electronic joystick. Just some of the features that keep our 6R Series tractors ahead of the field.

- 6215R top model rated at 215 hp (255 hp with IPM)
- Outstanding power density
- Efficiency Manager
- 3 large frame (2800 mm wheelbase) models from 175 to 215 hp (215 to 255 hp with IPM)
- Stage IV compliant with DEF

New generation **CommandARM**, integrated ergonomic electronic joystick with reconfigurable buttons and **Generation 4 CommandCenter**, simplifying the control of all tractor functions

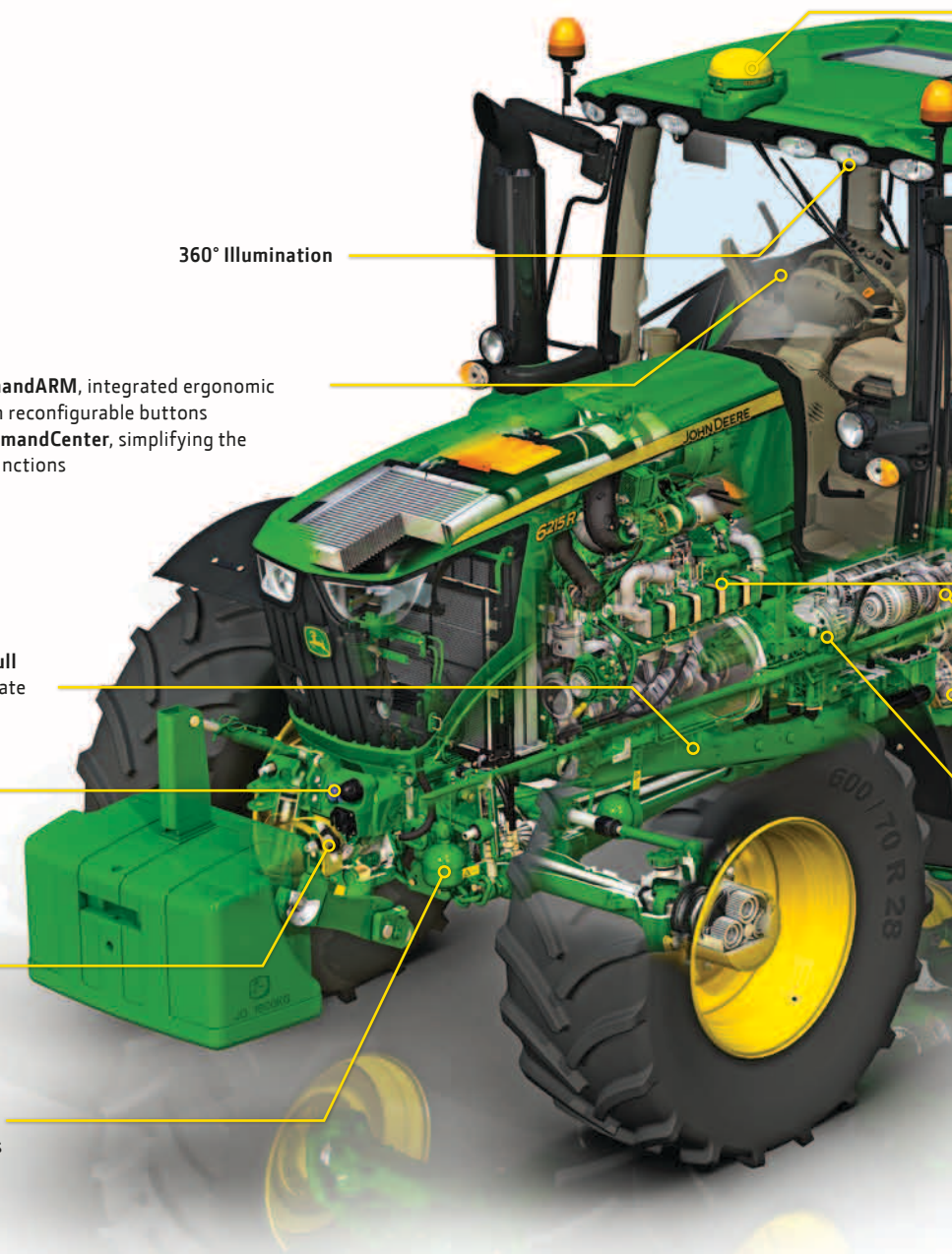
Resilient **John Deere full frame** design for ultimate strength and stability

Higher performance with **John Deere premium front hitch** for enhanced hydraulic and electronic control

Integrated **John Deere front hitch** and heavy duty **front PTO**

**Triple link Suspension Plus (TLS Plus)**

**360° Illumination**



Full integration of intelligent **Agricultural Management Solutions (AMS)**

Ergonomic **ComfortView cab** with outstanding comfort and visibility

Adaptive Hydraulic **Cab Suspension Plus (HCS Plus)**

**Rear hydraulics stack** optimised for ease of use and better rear visibility

Constant lifting power and a **9550 kg maximum lift capacity**

Proven 6-cylinder John Deere **PowerTech engines** with twin turbo technology for 6195R and 6215R are Stage IV compliant and have higher power density

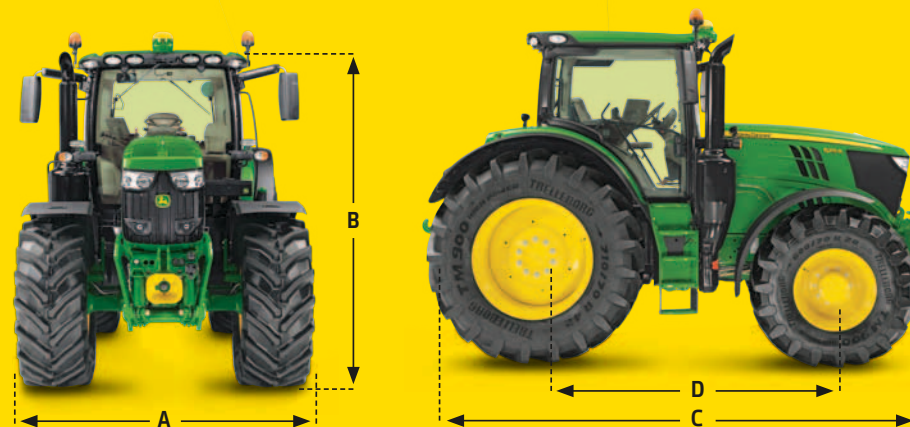
Multiple John Deere **transmissions** options, including the benchmark efficiency of our **DirectDrive** double-clutch system and **AutoPowr**

Larger **tyre options** – up to 2.05 m

**Auto 4WD** and **Diff Lock** engagement

**Efficiency Manager** for optimum gear/engine rpm selection

## 6R Series large frame tractors: 6175R, 6195R, 6215R



(A) Width: 2550 mm (B) Total height: 3160 mm (C) Overall length: 5050 mm (D) Wheelbase: 2800 mm

### 6R models (Rated Power 97/68EC)

6175R	129 kW (175 hp)	158 kW with IPM (215 hp)
6195R	143 kW (195 hp)	173 kW with IPM (235 hp)
6215R	158 kW (215 hp)	188 kW with IPM (255 hp)

## Your grandstand seat

The spacious ComfortView Cab in the 6R Series provides all-round visibility and is a model of ergonomic excellence with all controls and interfaces positioned logically for intuitive interaction. The new CommandARM is complemented by the new Generation 4 CommandCenter with Bluetooth connectivity, while the GreenStar 3 2630 display can be mounted on either of the right hand side corner posts.

**Huge windscreen**  
for maximum  
visibility

**Front instrument panel**  
with clear, modern graphics

**Tilt and telescopic**  
steering column

**Left and right Panorama**  
**doors** for unobstructed  
visibility

**Comfortable, foldable**  
**passenger/instructor**  
**seat**

**Multiple seat options.**  
You choose

**Left hand storage compartment.**  
Also available as refrigerator





Optional **GreenStar 3 2630 display**, mountable at front and rear right hand corner posts

New **CommandARM**

Generation 4 **CommandCenter**

**Bluetooth telephone connectivity** with SIM card access via CommandCenter

Multiple **cup holders and storage areas**

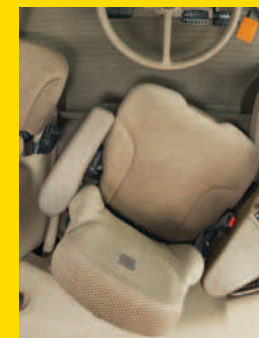
Various cab-mounted **power outlets**, including 230 V (where available)

### All-round view

Together, the sloping bonnet and excellent all-round visibility give operators an unrivalled overview of their surroundings. The optional panorama roof expands the operator's field of vision, providing up to 30 % more practical visibility when working with a front loader.

### Swivelling, air suspended operator seat

The comfort level of the air suspended operator seat can be pneumatically adjusted, has horizontal suspension and adapts dynamically to the operator's weight when height is adjusted. It can also be swivelled up to 30° to the right, 7.5° to the left. These enhanced comfort levels reduce fatigue and contribute towards higher productivity.



**Adjustable wide-angle electric telescopic heated mirrors** (optional) enable the operator to position the mirrors perfectly from the driving position.



## Superlative control

The operation of sophisticated agricultural technology in 6R Series tractors could not be easier. The integrated combination of CommandARM and Generation 4 CommandCenter provides effortless fingertip control and monitoring of all tractor functions. Intelligent Total Equipment Control (iTEC) adds the automation of repetitive multiple functions.

### New CommandARM

Selective Control Valve (SCV) levers are colour-coded for easy recognition. All SCVs can be operated either by conventional fingertip levers or configured to the joystick for maximum convenience.

- Hot keys for field cruise and cruise control (pedal lock) iTEC system, transmission, PTO settings and hitch settings
- Electronic reconfigurable joystick
- Air conditioning, light and radio controls
- 4WD controls
- Hitch depth control

The Generation 4 CommandCenter supports ISOBUS standards and enables Tractor Implement Automation and AMS applications such as AutoTrac





#### **New electronic reconfigurable joystick**

Available with either the right-hand console or the new CommandARM, the functions of the joystick can be simply reconfigured via the Generation 4 CommandCenter. Your productivity benefits because it's so easy to set-up and use.

- Neatly integrated into the CommandARM
- Reconfigurable button functions



#### **Generation 4 CommandCenter**

Mounted directly on the new CommandARM, this central monitor and control unit swivels with the operator seat thus remaining in view throughout all operations. Choose the 4600 version with 10" screen or the 4100 with standard 7" screen. Operate like a touch-screen tablet or computer.

- 7" or 10" full-colour touch-screen
- AutoTrac capable
- ISOBUS implement control
- Easy, intuitive operation
- Wipe function
- Vast 32GB memory (4600 Version)

## Easy rider

The 6R Series offers the premium suspended front axle option with Triple Link Suspension Plus. TLS Plus not only guarantees optimum traction and field performance, applying up to 7 % more power to the ground, it also ensures higher operator comfort, reduces operator fatigue and increases productivity.

TLS Plus smoothly handles all axle load conditions thanks to impressive adaptive features.

- Self-levelling with  $\pm 50$  mm suspension travel
- Automatic adjustment of axle sensitivity and suspension rate
- Long draft member for optimised draft performance
- Synchronisation with hitch sensing system to compensate power hop effect under heavy pull conditions

From light operation to heavy rear mounted implements and heavy front loader work, TLS Plus is an all-round productivity boost for your operations.

### Better braking

6R Series tractors equipped with 50K transmissions automatically have increased braking capacity utilising additional brake discs in the TLS Plus axle hubs

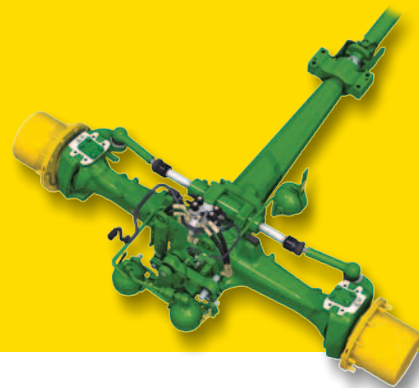




### Greater operator comfort

Even after many hours in the ComfortView Cab, it's impressive how much an operator can accomplish without fatigue.

The refined hydro-pneumatic cab suspension (HCS Plus) option considerably improves driving comfort in the field and on the road. It's an adaptive system that can be customised by the operator. The cab rests on two semi-active shock absorbers that limit fore/aft cab pitching caused by acceleration and braking, while still giving the operator an accurate feel for the tractor and the ground below.



### Always the right response

The TLS Plus front axle suspension automatically adjusts to changing load and draft conditions.



### Smooth operator

The optional customisable hydro-pneumatic cab suspension uses sensors to detect tractor acceleration and deceleration and increases or decreases the amount of oil in the shock absorber ram accordingly.

## 24/7 LED vision

Farming is a 24-hour-a-day business. Transport, ploughing, cultivating, and especially harvesting, can require extended night shifts. Fortunately, 6R Series tractors outshine with a lighting system that means better control and higher productivity for your operators.

- Up to 12 cab lights provide 360° visibility, integrated into the front of the roofline for safe machine handling and positioning.
- 4 adjustable belt line and rear fender field lights (optionally LED) increase operational flexibility.
- 6-field, spot and road lights on the bonnet grille guide you from dusk till dawn.
- 8 optional LED lights on the roof (front and rear), extend daylight visibility into the night.

All lighting functions are controlled via the Generation 4 CommandCenter.

Programming the Generation 4 CommandCenter for perfect night work lighting couldn't be easier.



## Bright. And brighter.

In addition to the factory-installed lighting package we offer a variety of lighting field installation kits:



### 1 Beltline lights

Turn signals with clearance lights optional 2 HB3, LED or H4 adjustable work lights

### 2 Optional rear fender work lights

2 HB3 Lights  
2 LED Lights

### 3 Cab roof rear mounted lights

– Inner and outer position: 4 HB3 or 4 LED adjustable work lights  
– Side roof position: 2 HB3 fixed work lights

### 4 Cab roof front mounted lights

– Inner and mid position: 4 HB3 fixed work lights  
– Outer position: 2 HB3 fixed work lights

### 5 Hood lights

2 HB3 hood road lights low beam  
2 HB3 hood road lights high beam  
2 HB3 hood outer work lights



LED lights provide natural low temperature light, reducing eye and body fatigue – and they last longer.



Perfectly balanced illumination inside and outside the cab allows you to work through the night.

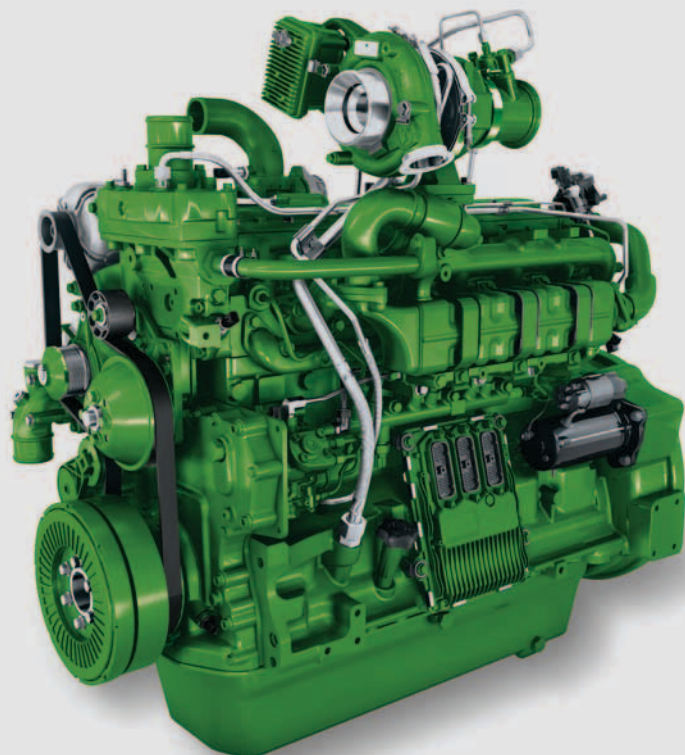
## Marathon performance

### Stage IV compliance the John Deere way

All John Deere engines are designed and engineered specifically for agricultural applications. The new large frame 6R Series tractors are powered by our renowned 6.8 l PowerTech PVS and PSS engines. The PSS engines feature high-tech twin turbochargers forcing more air into the engine for more power. Both turbochargers feed together into the engine and both spin immediately and produce outstanding torque, even at low engine speeds. Similar to an athlete breathing more effortlessly. The proven Diesel particulate filter allows the engine to respond quickly to changing loads. The engines are equipped with a new DEF system that has been developed by John Deere especially for this family of engines. Intelligent Power Management (IPM) adds an extra 40 hp above the rated power for on-demand benchmark power density.

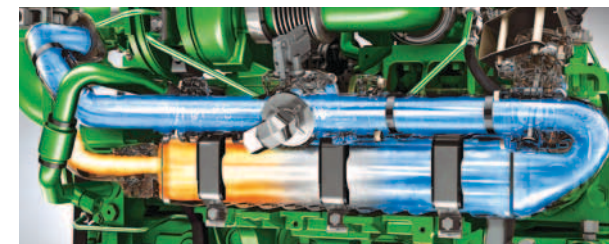
- Variable Geometry Turbocharger boosts torque levels precisely
- Intelligent Power Management adds an extra 40 hp on demand
- Twin turbo charger system forces more air into the engine for more power





### Proven technology

John Deere pioneered the use of 4-valve High Pressure Common Rail (HPCR) engines in agricultural machinery over 10 years ago. The high power output of our PVS and PSS twin turbo engines are made possible by this refined HPCR technology with an injection pressure of up to 2500 bar and a Variable Geometry Turbocharger (VGT) whose vanes adjust automatically to produce exactly the right amount of boost. This ensures outstanding performance, fast response time and impressive amounts of torque, when loads are changing: for example, when a tough spot in the field occurs, the DPF enables the engine to have a much quicker reaction than non-DPF machines.



### Green and clean

Stage IV compliance is achieved by first passing exhaust gases through a combined Diesel Oxidation Catalyst (DOC) and Diesel Particle Filter (DPF), then through a Selective Catalytic Reduction (SCR) process to neutralise harmful nitrogen oxides.



### Charge Air Cooler (CAC)

The innovative distributed cooling concept allows the charged air cooler fan to run at an independent speed to the main fan, further improving fuel efficiency.



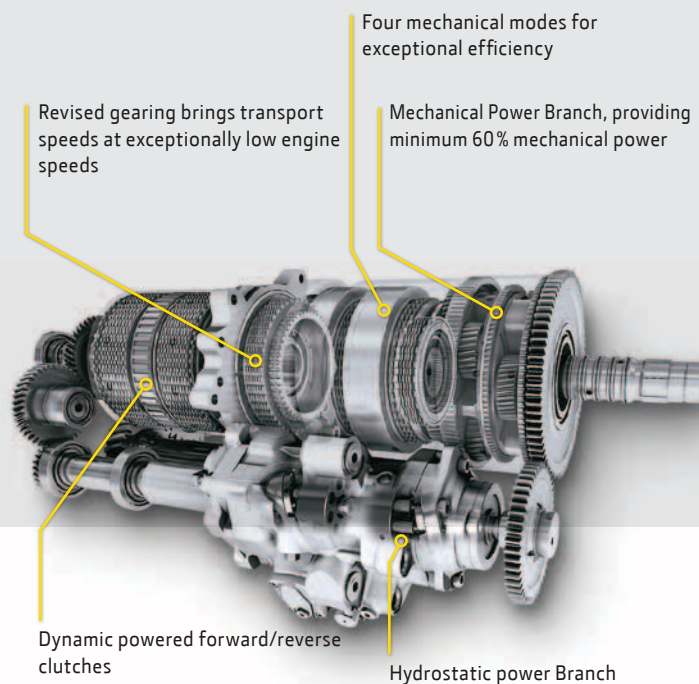
### Variable Geometry Turbocharger (VGT)

The VGT generates a mass of combustion air for constant high torque across the wide power band. This ensures impressive power density, even at lower rpm, thus saving fuel. Proven high-tech technology ensuring massive torque and immediate accelerator pedal response for maximum agrility.

## Enhanced premium transmissions for premium tractors. AutoPowr and DirectDrive

Both of our top-of-the-line transmission systems, **AutoPowr** and **DirectDrive**, have been upgraded to match the refined performance and impressive capabilities of your 6R tractor. They deliver even higher levels of operational comfort combined with outstanding fuel efficiency.

6R tractors are also available with our proven **PowerQuad Plus** and **AutoQuad Plus** transmission systems.



### Enhanced AutoPowr.

#### Infinite speed adjustment in all situations

AutoPowr delivers stepless and continuous power across an infinitely variable range of speeds, controlled by a single lever that takes you smoothly from 0 km/h to maximum speed without the need to operate a clutch. Accelerating from 0 km/h to 50 km/h is achieved without exceeding 1750 rpm, keeping cab noise to a minimum.

AutoPowr maintains the selected speed by automatically responding to changing load conditions. Once running at maximum road speed, engine rpm automatically drops to the minimum level required to maintain that speed, thus reducing noise and saving fuel.

AutoPowr is a hydro-mechanical transmission that transfers maximum power mechanically, in the field and on the road. Its advanced, fully integrated electronic management system enables direct communication between engine and transmission 100 times per second, monitoring and processing data to determine the optimal transmission ratio.



- Easy to use, even for less experienced operators
- Engine speed as low as 1420 rpm at 40 km/h
- Excellent, proven reliability
- Smooth, seamless speed changes under all conditions
- 40 or 50 km/h version

Stepless, continuous power delivery from 0 to maximum speed, thanks to AutoPowr.

## Enhanced DirectDrive. The new benchmark for seamless efficiency

Designed, developed and tested by John Deere's expert engineers specifically for heavy duty agricultural work, DirectDrive employs highly efficient dual-clutch technology and demonstrates the future of transmissions for the agricultural industry. The eight speed, three-range transmission has the next gear already lined up, ready to go and just waiting for the change command to be given. Our new, refined software improves speed matching through range changes and enables earlier up-shifting to the most efficient C8 "ECO" mode. And, because there's no loss of momentum during changes, fuel consumption is reduced and ease of operation is assured.

- Reduced need for range shifting
- Minimal fuel consumption
- Integrated AutoClutch for easier transport, loader and inching operations
- Mechanical park lock for safe parking of tractor and trailer

Gearshifts can be made automatically or manually depending on the position of the control lever.

**Range A** for draft work with eight powershift speeds from 2.7 – 10.8 km/h

**Range B** for PTO work with eight powershift speeds from 5.4 – 21.5 km/h

**Range C** for transport with eight powershift speeds from 13.8 – 42 km/h or 16.5 – 53 km/h

Selecting B/C utilises both ranges B and C and automatically shifts between the two. A speed of 40 km/h can be maintained with only 1550 rpm, and 50 km/h with 1600 rpm. Start gears are available in ranges A, B and BC.



DirectDrive Transmission smoothly overlaps gears by using two clutches, one for the even gears, the other for the odd gears.



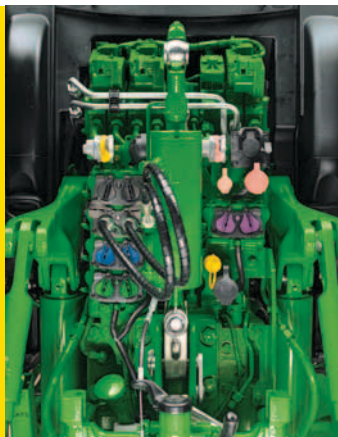
## Muscle power

6R Series tractors feature a closed-center, pressure and flow compensated hydraulic system. It has been engineered for maximum reliability, with fewer hydraulic parts, fewer hydraulic connections and shorter hydraulic lines.

The 6R Series generates such an impressive flow rate that operators benefit from amazing hydraulic performance and enhanced steering response, irrespective of engine speed.

The high capacity hydraulic filter requires replacement only every 750 hours, minimising downtime and saving expense.





#### Enhanced convenience

We've optimised the layout and performance of the SCV stack to improve simplicity of operation. The components have been clustered in a supremely user-friendly way, with up to five rear SCV's and Power Beyond couplers. Wide hitch rails allow generous clearance for PTO tasks and the new layout gives the operator an unobstructed view of the rear hitch and connecting points when manoeuvring for implement coupling.



#### John Deere Premium and Economy front hitches

Premium hitch enhancements including dedicated front hitch valve, remote operation pressure-free return and SCVs.



#### High efficiency in detail

The optional pneumatic trailer brake includes the convenience and extra efficiency of an air drier and electro-magnetic clutch for the pneumatic compressor.



#### Total hydraulic control

The intuitive CommandCenter controls allow you to manage the Selective Control Vals (SCVs) on the move.

With optional electronic SCVs the digital display lets you monitor flow rates and times, keeping you in control of all the hydraulic systems.



#### iTEC (Intelligent Total Equipment Control) headland management system

Automated control of front and rear implements when executing headland turns. Yet another way that John Deere maintains operator performance while reducing stress and fatigue.

## Putting power to work

6R tractors deliver all the power you need for the toughest tasks, with high lift capacity for heavy duty implements. For fully mounted implements our three-point hitches offer a maximum of 9550 kg (rear) and 4000 kg (front) lift capacity. And there's also a range of high quality John Deere PTOs to choose from.

Our three-point hitches include:

- Hitch damping for enhanced ride stability
- Sway stabilisers, and hydraulic sway stabilisers
- iTEC Headland Management System technology for total implement management
- Intuitive CommandCenter controls for three-point hitch set-up, depth, height, rate of drop, slip and damping

Flexibly adapt your tractor's ballast to changing requirements with self-centring John Deere front weights. The benefit is quick and easy coupling, ideal alignment of the front weight and greater productivity. The optimum ballast will lower fuel consumption.



### **Integrated John Deere Premium front hitch (with PTO)**

6R Series tractors are also available with a fully integrated front hitch, offering up to 4,000 kg maximum lift capacity. Features include:

- ISOBUS socket
- iTEC compatibility with drop rate/raise rate/position and set points settings
- Double acting cylinders for both lift and down-pressure with external height adjustment buttons
- Front PTO with dedicated oil cooler
- Pressure-free return
- Electronic position sensing for precision front hitch operation



### **Optional front PTO**

6R tractors can be specified with a fully integrated, electro-hydraulic front PTO with dedicated oil cooler. Available only in combination with front hitch.

### **Rear PTO**

Select the rear PTO set-up as you need it. An independent 3-speed electrically shifted PTO is standard on all 6R Series tractors. You also have the choice of:

- 540/540E/1000
- 540E/1000/1000E

## Perfect co-ordination

John Deere Tractor Implement Automation promotes relaxed working and banishes fatigue and stress. This award-winning concept – an industry first – enables the implement to “talk” to the tractor for automated adjustment of all ISOBUS connected functions such as speed, steering, PTO, 3-point hitch and hydraulics.

The operator needs only shift the lever to start and steer the tractor – and sometimes even steering’s not necessary – simplifying extensive and complex work procedures and getting the maximum out of your implements.

While Implement Automation makes easy work of any task involving John Deere balers, it’s also the ideal dialogue system for ISOBUS equipped equipment from other brands like **Grimme** potato harvesters. Tractor forward speed and PTO are regulated to ensure optimum loading of the cleaning belts, maximising throughput while protecting potatoes from damage, thus significantly increasing productivity.



Tractor Implement Automation was awarded with the Agritechnica silver medal 2009.



## Strength with stability

The unique John Deere full frame design forms the rugged backbone of the 6R Series tractors. So they can handle the toughest traction tasks and transport heavy loads with equal ease. Engine and transmission are positioned within the frame and mounted on insulating blocks, isolating structural components from stresses and reducing operating noise. Uptime is increased because servicing is easier and component life is increased. The full frame is also the perfect platform for mounting a purpose-built John Deere front loader.

- Greater driving comfort
- Higher load bearing capacity
- Less stress on engine and transmission
- Simple fitting of front loader and front hitch
- High stability and long life



The full frame provides maximum stability.



## Farming with intelligence

### Integrated precision farming technology

Precision farming doesn't happen by accident. It's the product of intelligent guidance and wireless technologies that have been painstakingly developed and field-tested for the 6R Series. Operators will be able to achieve more, with less stress and in a shorter time. John Deere can provide you with the most complete suite of precision farming solutions, from guidance, through documentation to fleet and data management.

To enjoy the full benefit of precision farming, all you need is the StarFire 3000 receiver in combination with the standard Generation 4 CommandCenter in your 6R Series tractor. For even more advanced solutions, our GreenStar 3 2630 display is available.

The signals provide three levels of accuracy:

- Get  $\pm 23$  cm pass-to-pass accuracy with the FREE SF1 signal, perfect for tillage and the ideal entry-level solution.
- Get  $\pm 5$  cm pass-to-pass accuracy with the SF2 signal, ideal for mowing, seeding and spraying.
- For the highest precision, choose the RTK signal for  $\pm 2.5$  cm repeatable accuracy.

### Top reception

The StarFire 3000 receiver, with integrated Terrain Compensation Module, works with both GPS and Glonass satellite based systems, supports all John Deere guidance systems and is compatible with all signal accuracy levels (SF1, SF2, RTK, SF Radio and Mobile RTK).



### The way to higher productivity: John Deere guidance systems

Precision farming starts with guidance. It leads the way to measurable reductions in the volumes of seed, fertiliser and chemicals required, by positioning your machines with reliable accuracy. And the enhanced productivity and operator comfort are matched by lower fuel consumption.

#### Documentation

Automatically record all your field applications on your GreenStar 3 2630 Display. From tillage to seeding, spraying and fertiliser spreading, you can document precisely what was done, where, when and by whom.

You can transfer the data to our web portal – MyJohnDeere – utilising John Deere Wireless Data Transfer. Your data will be home and stored before your tractor is back in your yard.



#### AutoTrac

AutoTrac masters both straight and curved tracks and works perfectly even in low visibility situations, reducing skips and overlaps, saving fertiliser, seed and fuel. With the 6R Series' new Generation 4 CommandCenter and the StarFire 3000 receiver, all you need is AutoTrac activation and you're ready to start saving at least 8% on your input costs.



#### iTEC Pro

Integrates AutoTrac automatic steering and implement management systems to control tractor speed, PTOs, SCVs and raise front and rear mounted implements. Also 4WD and differential lock engagement. For effortless, hands-free headland turns reducing soil compaction to a minimum.



#### John Deere Active Implement Guidance

With Active Implement Guidance you get the best of both worlds – tractor and implement guidance. Both the tractor and the implement follow the same defined path, so there is no potential crop damage on subsequent passes. As a result, you can ensure best crop quality, especially when growing high value crops.

## Intelligent fleet management and control

Machines with JDLink wireless technology installed are permanently “online” and can be monitored from any of your authorised computers, tablets or smartphones. JDLink enables the tracking of your machine’s working hours, analysis of machine utilisation to identify productivity and logistics gaps or monitor fuel to improve fuel efficiency and reduce costs. You can also authorise your dealer to access this data, enabling proactive maintenance and remote diagnostics to ensure your machine is always performing at peak levels in peak seasons.



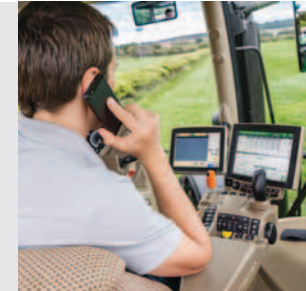
### **JDLink Select**

Outstanding entry-level telematics provide location-specific data about the tractors. Protect your equipment by setting up a virtual fence around your machines, monitor machine hours and plan maintenance.



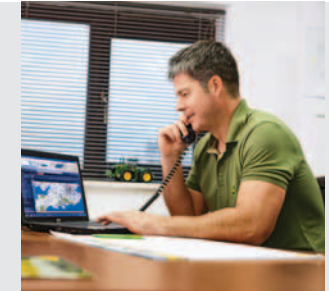
### **JDLink Ultimate**

Upgrade to the next level with JDLink Ultimate to access the on-board CANBus system and provide all the key performance data of the tractor, including fuel consumption and machine utilisation.



### **John Deere Remote Display Access**

Extend the connectivity of your Generation 4 CommandCenter and GreenStar 3 2630 display by assisting operators remotely with machine set-up, operations and settings adjustments.



### **Remote service and support**

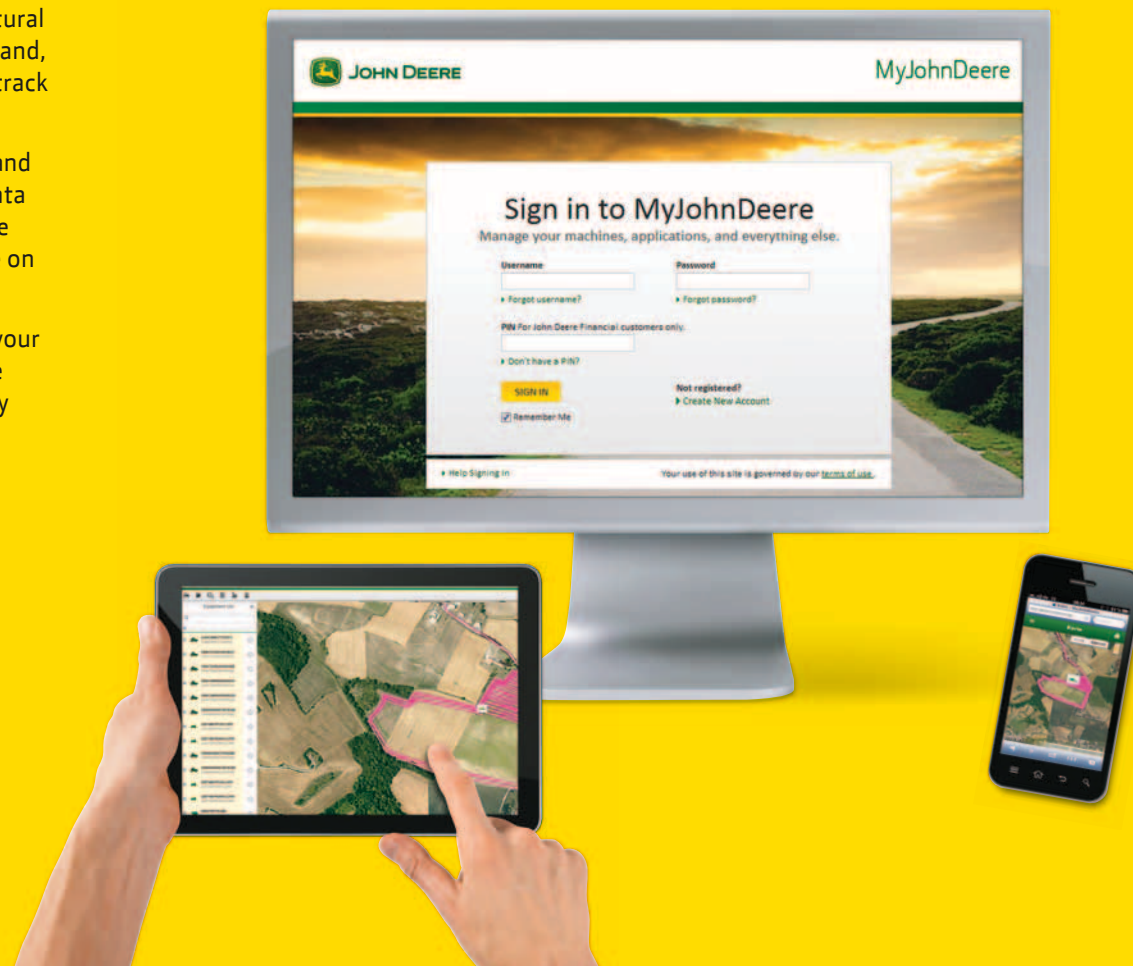
Give your John Deere dealer access rights to the machine data. He can then support you with remote diagnostics and controller re-programming while you keep working in the field. Identify any problems remotely at an early stage and supply the correct replacement part without making time-consuming diagnostic visits.

## Your operations at your fingertips: MyJohnDeere

Unlock the full potential of your operations through MyJohnDeere.com. This agricultural web portal enables you to monitor and run your fleet of machines and manage your land, all from a central location. Go to the Operations Centre to allocate your equipment, track the work progress of your machines and view what has been achieved over the day.

No more time-consuming paper chases and phone calls, now you can keep machine and field data in one place. With John Deere Wireless Data Transfer you can even send data – for instance as-applied or prescription maps – “over the air” between MyJohnDeere and the GreenStar 3 2630 display. This eliminates the risk of data loss and saves time on data transfer.

Log on to MyJohnDeere from any PC or mobile device for an immediate overview of your ongoing operations, to ensure that the right equipment is in the right location at the right time. Optimise operations across the whole value chain by sharing data securely with your dealer, other business partners, trusted advisors or customers.



## Adding value

### Keeping fit

6R Series tractors permit instant access to all critical areas for fast and easy daily service, so cost-savings are already built-in. And support from your dealer via JDLink and Service ADVISOR diagnostics will help maintain your uptime.

- Outstanding extended oil service of up to 750 hours.
- Service points are reached from ground level.
- Sight glasses are built into most fluid cases with easy line of sight.
- Engine air, cab fresh air and the recirculation filters can be inspected and changed without tools.
- Maintenance free bushings, bearings and drive shafts are incorporated wherever possible.

### Peace of mind with PowerGard

Control your operating costs and maximise performance from your machine with maintenance and repair protection programmes from John Deere. There are three flexible options to choose from:



#### PowerGard Maintenance

Get regular scheduled maintenance from your John Deere dealer's highly trained service technicians and enjoy the full benefits and cost savings of using genuine John Deere parts.



#### PowerGard Protection

Available in connection with PowerGard Maintenance, gives up to four years (or a maximum of 7500 operating hours) of additional repair protection for the engine, transmission and frame after the regular warranty cover expires.



#### PowerGard Protection Plus

For even more financial protection, Protection Plus further builds on the Protection option and covers repair costs of all key components in the tractor.



### Genuine. A word to take seriously

Only John Deere Genuine Replacement Parts are built to the same stringent standards as the 6R Series tractors. They fit and function perfectly, maintain performance and reliability, optimise fuel consumption and keep your tractor as strong and durable as on the day you purchased it. And John Deere has a highly efficient Parts Distribution network to keep you up and running.



#### Genuine for a reason

- Excellent parts availability
- Assured high performance quality
- Manufactured to OE standards



### Adding value by adding more

Setting up your 6R Series tractor just the way you want it with John Deere attachments and accessories will increase convenience, uptime and productivity.

Find out more at [www.johndeere.com/attachmentinfo](http://www.johndeere.com/attachmentinfo)



### Choice of hitches

Extend tractor versatility with hitches that provide multiple application solutions. There are vertical and horizontal inserts that optimise pulling abilities and forced steering systems for left-hand, right-hand and both sides.



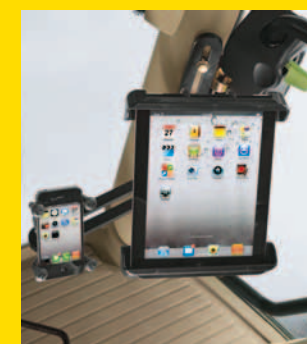
### Seat covers

John Deere seats are both hardwearing and comfortable but our made-to-measure seat covers in high quality leatherette or reinforced cloth help preserve that showroom finish.



### Floor mats

Reduce noise levels and protect the cab floor with our high quality floor mats. Customised to fit the 6R cab perfectly.



### Monitor brackets

Purpose- designed for the cab of your 6R, our monitor brackets are the perfect solution for mounting smartphones or tablets in the most ideal locations.

# Specifications

	6175R	6195R	6215R
ENGINE PERFORMANCE			
Rated power (97/68EC), hp (kW)	175 (129)	195 (143)	215 (158)
Rated power with IPM (97/68EC), hp (kW)	215 (158)	235 (173)	255 (188)
Max. power (97/68EC) hp (kW)	193 (142)	215 (158)	237 (174)
Max. power with IPM (97/68EC) hp (kW)	223 (164)	243 (179)	259 (190)
Rated power (ECE-R24) hp (kW)	164 (122)	182 (136)	201 (150)
Rated with IPM (ECE-R24) hp (kW)	202 (151)	220 (164)	239 (178)
Max. power (ECE-R24), hp (kW)	181 (135)	202 (151)	224 (167)
Max. power with IPM (ECE-R24), hp (kW)	209 (156)	229 (171)	244 (182)
Constant power range, rpm	630	630	630
Torque reserve, % percentage	40	40	40
Maximum torque, Nm (at 1600 engine rpm)	817	910	1004
Rated speed, rpm		2100	
Manufacturer		John Deere Power Systems	
Type	PowerTech PVS		PowerTech PSS
Aftertreatment	Lifetime Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) using DEF		
Engine air filter		PowerCore G2 air filter with pre-cleaning	
Aspiration	Variable geometry turbocharger	Dual turbochargers, variable geometry turbo with fixed geometry turbo in series	
Cylinders / Displacement		6/6.8 l	
Cooling system	Distributed cooling system with temperature controlled viscous fan drive and dedicated fan for charge air cooler		
Fuel injection system & control	High pressure common rail system with up to 2500 bar injection pressure, electronically controlled		
TRANSMISSION OPTIONS			
PowrQuad Plus			
20/20 2.5 – 40 km/h	•	•	•
AutoQuad Plus			
20/20 2.5 – 40 km/h	•	•	•
20/20 2.5 – 50 km/h	•	•	•
AutoQuad Plus EcoShift			
20/20 2.5 – 40 km/h	•	•	•
AutoPowr			
0.05 – 40 km/h	•	•	•
0.05 – 50 km/h	•	•	•
DirectDrive			
2.7 – 40 km/h	•	•	•
2.7 – 50 km/h	•	•	•
AXLES			
Suspended front axle (option)	Triple Link Suspension (TLS Plus) MFWD Axle, hydro-pneumatic, permanently active, triple link, self-levelling, load adjusting suspension		
Suspension range with TLS Plus		100 mm suspension range	
Engagement front differential lock		Self-locking differential	
Engagement rear differential lock		Electro-hydraulic with oil cooled clutch	
Rear axle		Flange axle or rack & pinion axle	
STEERING			
Type		Dynamic load sensing, hydrostatic, flow metering	
HYDRAULIC SYSTEM			
Type		Pressure & Flow Compensated (PFC) system with load sensing function	
Flow at rated engine speed base/option, l/min		114 / 155	
Selective control valves		Up to 6+3	
Power beyond		Optional	
Oil take out capacity with overfill, l		42	
Oil take out capacity with additional oil reservoir, l		55	

	6175R	6195R	6215R
3-POINT HITCH – Rear			
Type	Electronic lower link sensing; load & depth control, infinite mix, float		
Category	III		
Maximum lift capacity at hooks, kg	8500	8500	9550
Lift capacity through full lift range (OECD 610 mm), kg	4850	4850	5450
Lift capacity through full lift range (OECD 1800 mm), kg	3400	3400	3800
3-POINT HITC Front, optional			
Type	Front hitch controlled by rear SCV (Economy option) or dedicated SCV (Premium option)		
Category	IIIN		
Maximum lift capacity at hooks, kg	4000		
Lift capacity through full lift range (OECD at the hooks), kg	3300		
REAR PTO			
Type	Electro-hydraulically engaged, oil cooled, multi-disc design		
Engine rpm at rated PTO speeds with 540/540E/1000 option	1950/1721/1950		
Engine rpm at rated PTO speeds with 540E/1000/1000E option	1761/1989/1756		
FRONT PTO, optional			
Type	Electro-hydraulically engaged, oil cooled		
Engine speed at rated PTO speed (1000), rpm	1969		
CAB			
Specifications	ComfortView cab with 2 panorama doors and Generation 4 and CommandCenter display		
Suspension (option)	Adaptive hydraulic cab suspension HCS Plus		
Noise level at operator’s ear, dB(A)	71		
Cab glass area, m²	6.11		
Cab volume, m³	3.33		
Display	Generation 4 CommandCenter 4100 7" or 4600 10" display		
MISCELLANEOUS			
AutoTrac Ready	Optional		
ISOBUS implement connection	Optional		
CommandCenter video inputs	1 input for 4100 7" display, 2 inputs for 4600 10" display		
Immobilizer	Optional		
Drive pedal mode	AutoPowr only		
Trailer brake systems (options)	Hydraulic and/ or pneumatic system		
Pneumatic trailer brake system (option)	Electro-magnetic compressor clutch, hydraulic retarding valve, air drier included		
CAPACITIES			
Fuel tank (base/option), l	405/335		
Engine coolant, l	28		
DIMENSIONS AND WEIGHTS			
Wheelbase, mm	2800		
Width x Height x Length, mm	2550 x 3160 x 5050		
Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tires/max. rear tire sizes.			
Ground clearance, mm	560		
Measured at center of front axle, using max. front and max. rear tire sizes			
Turning radius, m	5.62		
According to ISO789-3 measured for 600/65R30 at 2050 mm tread setting and 1.6 bar inflation pressure on level ground			
Shipping weight, kg	8300	8400	8500
Measured with average specifications			
Maximum permissible gross weight, kg	12700	13450	13450
TIRE SIZES			
Front tire sizes, max. available (diameter in cm)	600/70 R28 (158)	600/70 R28 (158)	600/70 R28 (158)
Rear tire sizes, max. available (diameter in cm)	710/70 R42 (205)	710/70 R42 (205)	710/70 R42 (205)

● = Option available

# Team spirit: we're better together

Together with the John Deere dealership network, we are committed to raising the performance of your operations, maximising uptime and reducing operating costs. So we never stop investing in products and technologies that are quality-built and state-of-the-art.

Our capable dealer technicians – who are all John Deere trained – are familiar with every nut, bolt and byte in your equipment and skilled at diagnosing any potential problems.

You can count on your partnership with us and with our dealer network. After over 175 years in the farm equipment business, we can be sure that together we're better.



**JOHN DEERE**



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.

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specification and design of products described in this literature without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.

[JohnDeere.com](http://JohnDeere.com)