

6R SERIES

Large Models



JOHN DEERE

Light. Strong. Smart.



LIGHT. STRONG. SMART.

At John Deere being “good enough” has never been good enough. A prime example of this philosophy is the extension of our 6R Series tractor line-up.

Our two new top-of-the line models, the 6230R and 6250R, are both light and strong, namely 9.3 t with up to 300 hp. This level of power cannot be found in any other tractor of this weight class. It's a combination that delivers new levels of on-road driveability and pulling power. Moreover, they are impressively smart, incorporating the new John Deere CommandPRO joystick for superb ergonomics and effortless control.



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Connectivity Inside

Enabling all Agricultural Management Solutions like AutoTrac, JDLink and Manure Sensing

Outstanding cab

Spacious 3.33m³ volume, low noise of 71dB(A) and 20 LEDs provide maximum comfort and visibility

CommandPRO

Best in class ergonomics, driving strategy and control reconfigurability*.

Exceptional power density

Up to 300 hp (with IPM), 9.3 t vehicle weight and 15 t maximum permissible weight. The most power in this weight class

Comfort and agility

TLS Plus front axle suspension, HCS Plus cab suspension and Variable Ratio Steering for less steering effort*

1

2

3

4

5

Ahead of the game

The 6R Series embraces new high-end models with impressive performance and on-road capabilities. Like all 6R tractors, the new models are Stage IV-compliant with a DEF system that's been refined by John Deere engineers.

- 6250R rated at 250 hp (300 hp max with IPM)
- Outstanding power density
- 5 large frame models from 175 to 250 hp (223 to 300 hp max with IPM)
- Stage IV compliant with DEF



6175R, 6195R, 6215R



6230R, 6250R

| Model | Weight | Rated Engine Horsepower (97/68EC) | Max. Engine Horsepower with IPM (97/68EC) | Engine Type | Transmission Options |
|-------|--------|-----------------------------------|---|-------------|---|
| 6175R | 8.5 t | 175 | 223 | PVS | PowrQuad Plus, AutoQuad Plus, DirectDrive, AutoPowr |
| 6195R | | 195 | 243 | | |
| 6215R | | 215 | 259 | | |
| 6230R | 9.3 t | 230 | 279 | PSS | AutoPowr |
| 6250R | | 250 | 300 | | |

Superb hydraulics

160 l/min max hydraulic flow* at 1,500 rpm. Up to six rear selective control valves (SCVs)

Performance

Efficient 6.8 l John Deere engines with up to 250 hp rated power, John Deere DPF and SCR technology

Large rear and front tyres

Up to SRI 975 rear tyres (205 cm diameter) and SRI 750 front tyres

Widest transmission portfolio

Semi-automatic AutoQuad Plus, super efficient & powerful DirectDrive and efficient stepless AutoPowr

Low running costs

Lifetime DPF, low 2-3% DEF consumption, 750-hour engine oil interval

6 7 8 9 10



Maximum stability

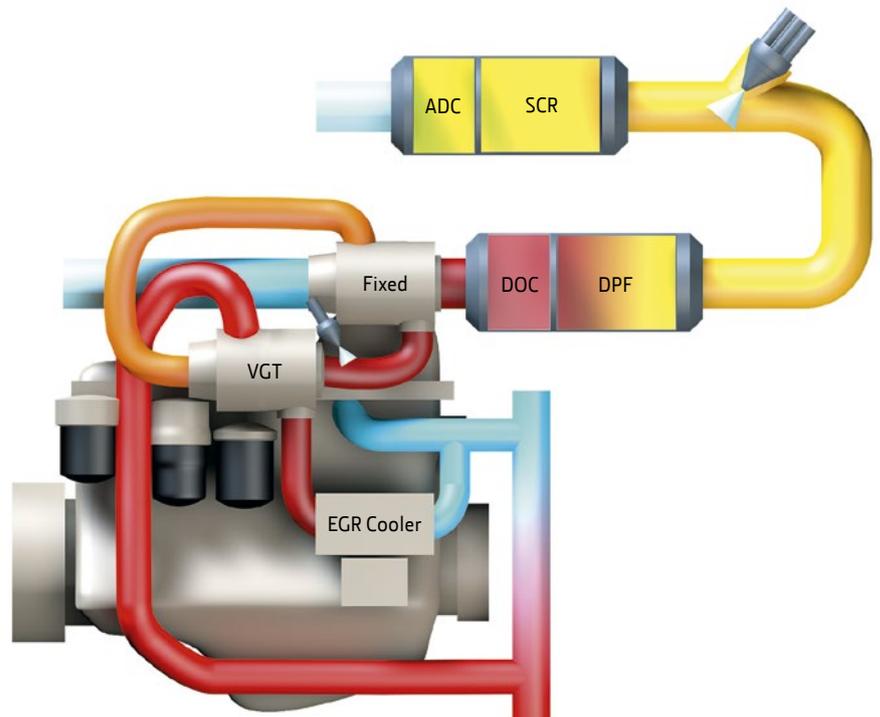
The unique John Deere full frame design forms the rugged backbone of all 6R Series tractors. Engine and transmission are mounted within the frame on insulating blocks that reduce stress and operating noise. The perfect platform for a John Deere front loader.

* 6230R and 6250R only

A SUBSTANTIAL PERFORMANCE BOOST

The large frame 6R Series tractors are powered by our renowned 6.8 l PowerTech PVS or the enhanced PowerTech PSS engine with series turbochargers, now revised to generate even more power, while consuming less fuel and meeting the demanding Stage IV emissions standards, for which a new SCR system has been developed by John Deere engineers.

The enhanced PowerTech PSS 6.8 l engine offers new advanced components, including a cooled cylinder head that provides superior heat management and reinforced steel pistons, resulting in exceptional power density whilst maintaining long engine life.



ENGINE RESPONSIVENESS

The diesel particulate filter (DPF) not only traps particles but also improves the transient response for better throttle responsiveness.

COOLED EXHAUST GAS RECIRCULATION (EGR)

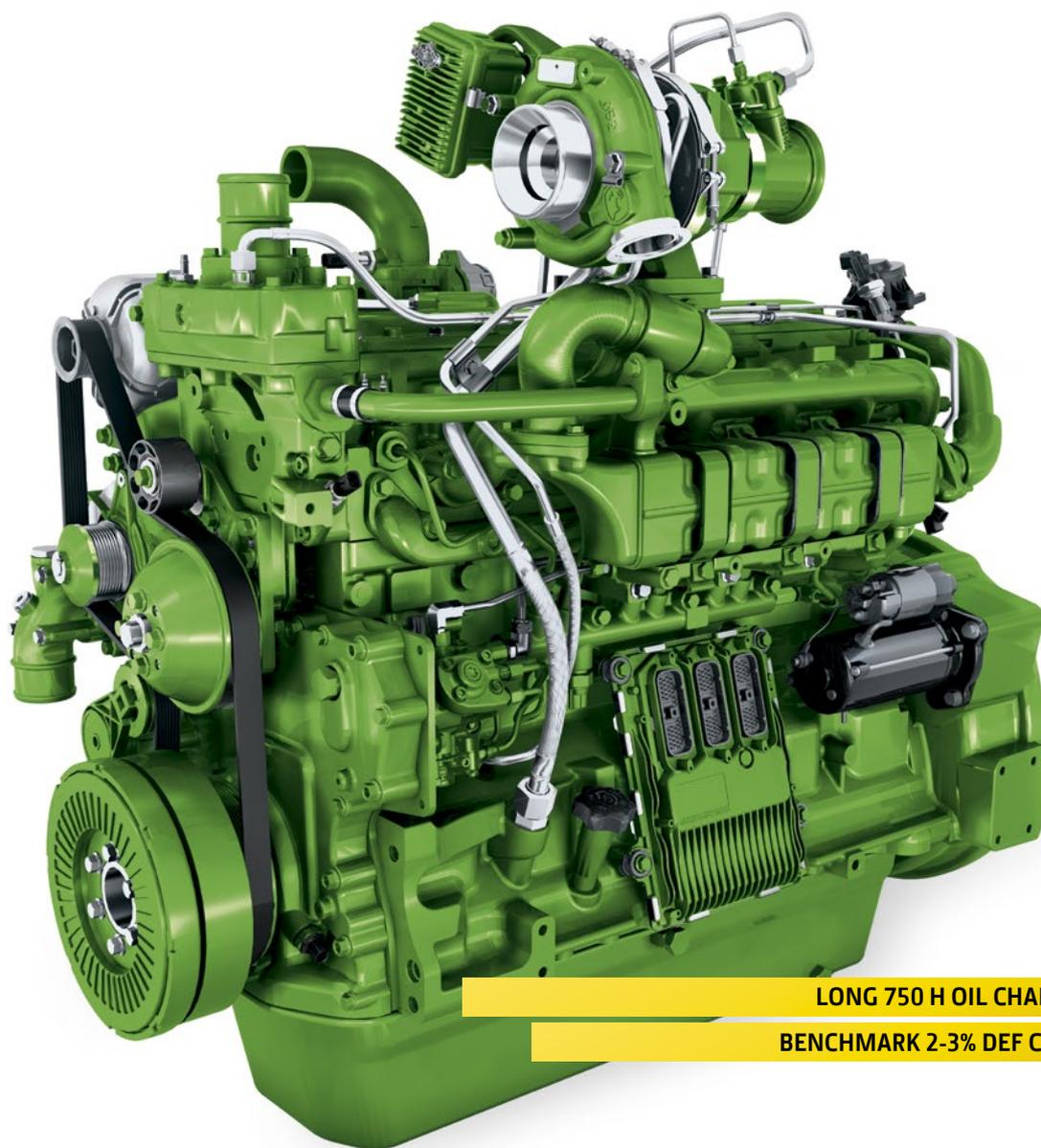
Precise amounts of cooled exhaust gases are mixed with incoming fresh air, lowering combustion temperatures. This leads to less NO_x output from the engine and more efficient timing, which promotes both fuel and DEF economy.

SELECTIVE CATALYTIC REDUCTION (SCR)

Diesel exhaust fluid mixes with engine exhaust gases in the catalyst to reduce further NO_x. The DEF consumption is just 2-3% of diesel use.

SERIES TURBOCHARGERS

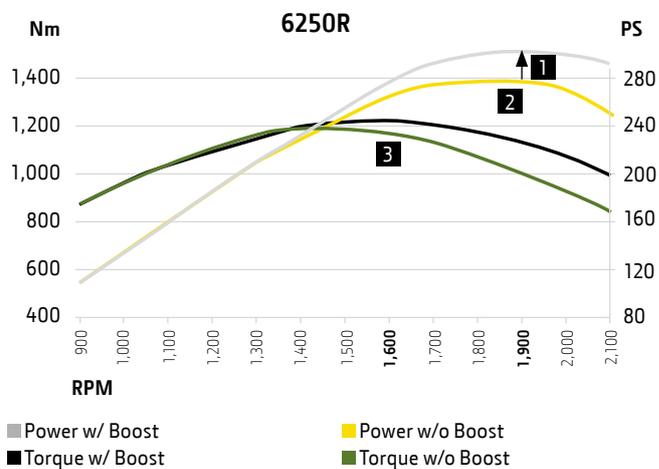
The series turbochargers deliver more low-speed torque and engine responsiveness to meet varying load requirements.



LONG 750 H OIL CHANGE INTERVAL
BENCHMARK 2-3% DEF CONSUMPTION

PROVEN TECHNOLOGY

The high power output of our 6-cylinder 6.8 l engines is made possible by our refined 4-valve High Pressure Common Rail (HPCR) technology with an injection pressure of up to 2,500 bar. The PVS engine in the 6175R, 6195R and 6215R models is equipped with a Variable Geometry Turbocharger (VGT) that boosts performance and efficiency consistently across the torque curve. The PSS engines (6230R and 6250R) use a 2-stage turbocharging system in which the VGT multiplies the pressure created by a fixed vane turbocharger.



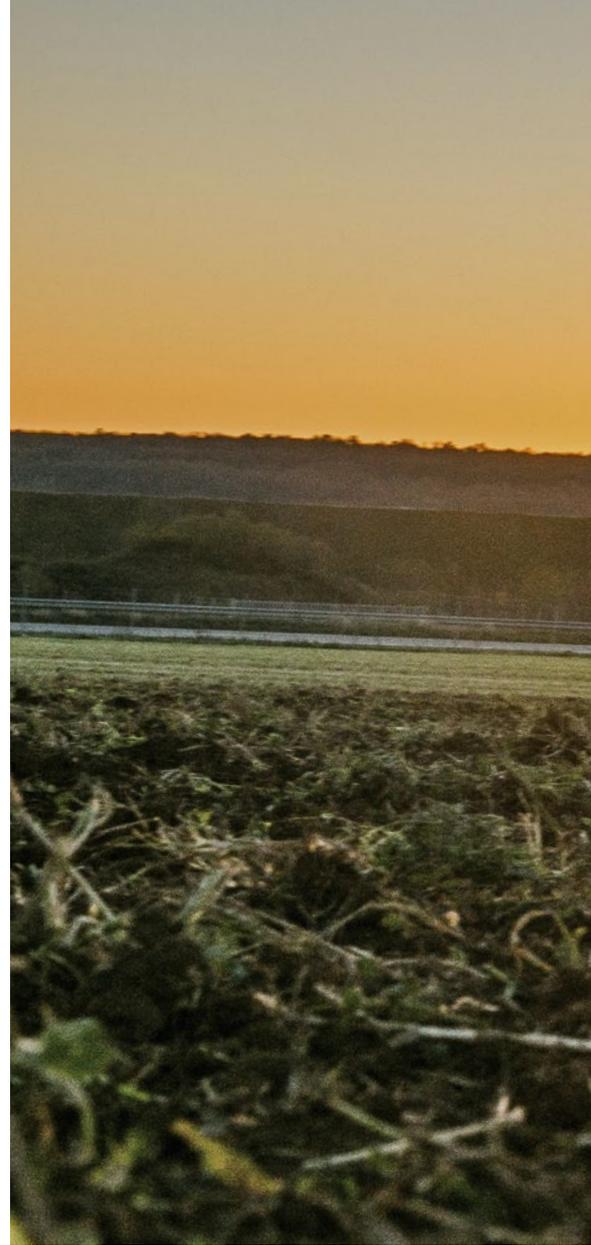
Intelligent Power Management (1) provides up to 40 additional hp for transport and PTO applications. Max. power (2) and max. torque (3) are achieved at 1,900 and 1,600 rpm respectively to ensure optimum response with low fuel consumption levels.

PREMIUM TRANSMISSIONS FOR PREMIUM TRACTORS

The refined performance and impressive capabilities of the 6R Series benefit from the upgraded top-of-the-line transmissions, **AutoPowr** and **DirectDrive**.

Their ease of operation and strength complement the power and torque of the more powerful 6R tractors with outstanding fuel efficiency, delivering exceptionally high levels of operating comfort.

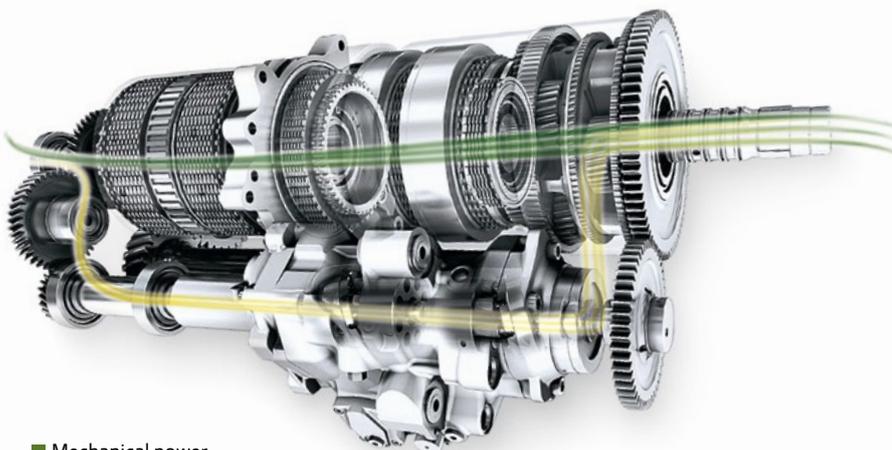
John Deere **PowrQuad Plus** and **AutoQuad Plus** transmission systems are also available.



ENHANCED AUTOPOWR – INFINITE SPEED ADJUSTMENT IN ALL SITUATIONS

AutoPowr is a hydro-mechanical transmission delivering step-less and continuous power at speeds between 50 m/h and 50 km/h. AutoPowr maintains the selected speed by automatically responding to changing load conditions.

Once running at maximum road speed, engine rpm automatically drop to the minimum level required to maintain that speed, thus reducing noise and saving fuel. 50 km/h is maintained at 1,630 rpm, 40 km/h at 1,300 rpm with CommandPRO.

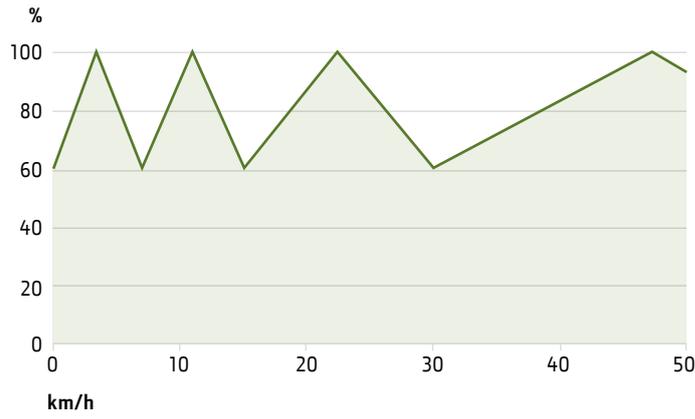


- Mechanical power
- Hydrostatic power



CONTINUOUS POWER

EASY OPERATION



AutoPowr delivers 100% mechanical power at the following working speeds: 3.5 km/h (heavy draft), 11 km/h (light draft), 22.5 km/h (heavy transport) and 47.2 km/h (light transport). This results in superb transmission efficiency, close to that of mechanical transmissions. In fact, AutoPowr is always using more than 60% of the available mechanical power.

ADVANCED DUAL-CLUTCH TECHNOLOGY

Combining rapid, seamlessly smooth shifting with the fuel efficiency benefits of a mechanical transmission, DirectDrive features AutoClutch sensitivity and speed matching modes.



DIRECTDRIVE* – THE BENCHMARK FOR SEAMLESS EFFICIENCY

Specifically developed for 6R tractors, DirectDrive is an eight-speed, three-range transmission designed and engineered by John Deere for heavy agricultural work. Super-efficient dual-clutch technology always has the next gear lined up, so there's no lost momentum during changes, fuel consumption is reduced and ease of operation is assured. During transport, DirectDrive reduces the engine speed to 1,550 rpm at 40 km/h and 1,600 rpm at 50 km/h, thus reducing fuel consumption. In addition the AutoClutch function enables you to stop the tractor without pressing the clutch.

1 Clutch 1: Shifting of even gears

2 Clutch 2: Shifting of odd gears

*for 6175R, 6195R & 6215R models



50 KM/H AT 1,600 RPM
DUAL CLUTCH TECHNOLOGY

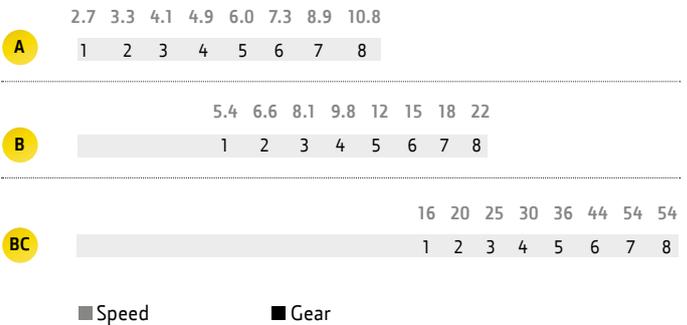
Speed wheel

Shift lever

Automatic mode

Manual mode

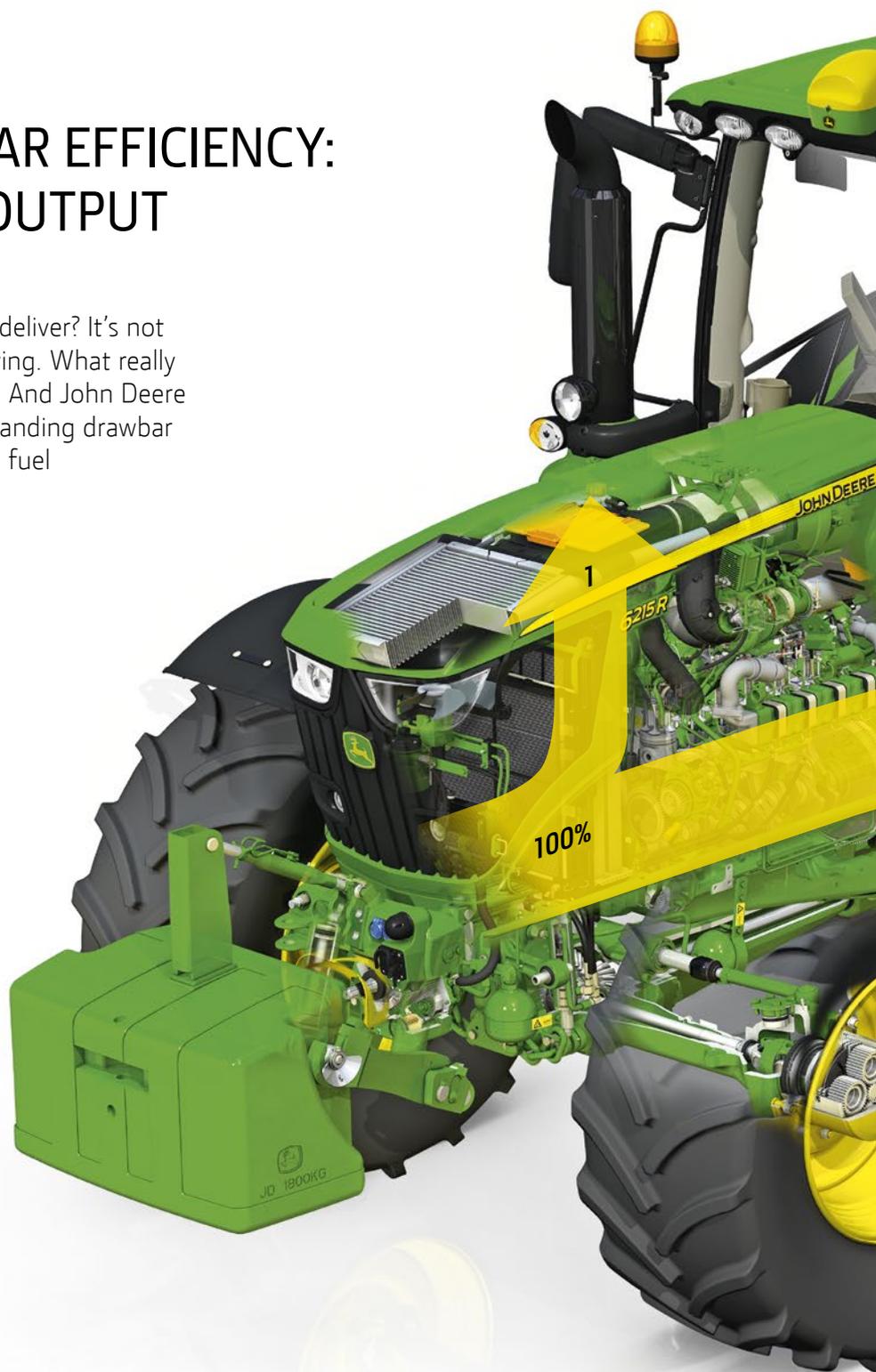
Range selection



DirectDrive offers 11 gears between 4 and 12 km/h thus ensuring the optimum gear/rpm combination regardless of the situation.

EXCELLENT DRAWBAR EFFICIENCY: LESS INPUT, MORE OUTPUT

How much power does a tractor actually deliver? It's not all about engine size – that can be deceiving. What really counts is what's delivered at the drawbar. And John Deere 6R Series large frame tractors offer outstanding drawbar efficiency and productivity with minimum fuel consumption.



SUPERIOR EFFICIENCY

THE NEW BENCHMARK

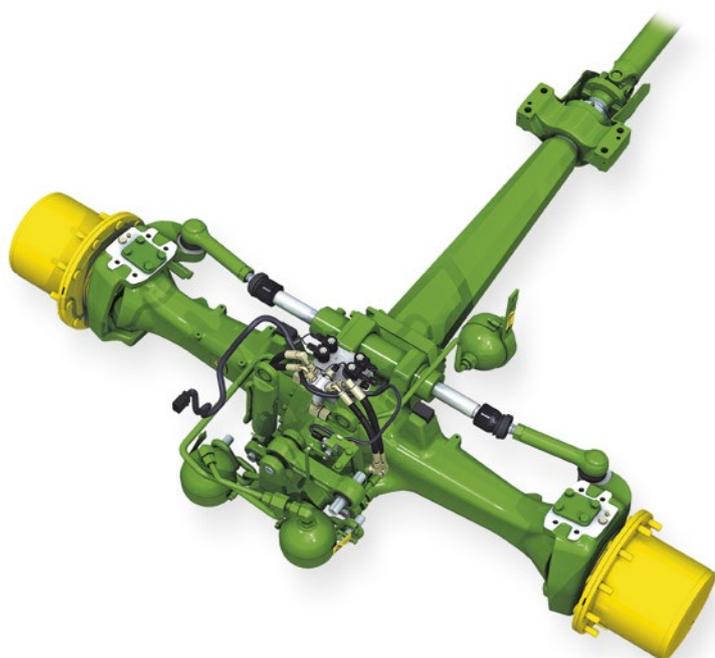


The superior efficiency of John Deere 6R tractors is based on key breakthroughs in engineering design. The compact cooling package (1) has a large cooling surface and excellent airflow with no restrictions. The 6.8 l engines offer excellent torque and fuel economy at rated speeds. You can count on the high transmission efficiency of all transmissions (2) available for the 6R tractors like the DirectDrive and AutoPowr. And finally, the superior axle design and wide tyres (3) put more power to the ground.

SMOOTH OPERATOR

The Triple Link Suspension Plus not only guarantees optimum traction and field performance, applying up to 10% more power to the ground. It also ensures higher operator comfort, reduces operator fatigue and increases productivity, while Variable Ratio Steering* improves in-field manoeuvrability.

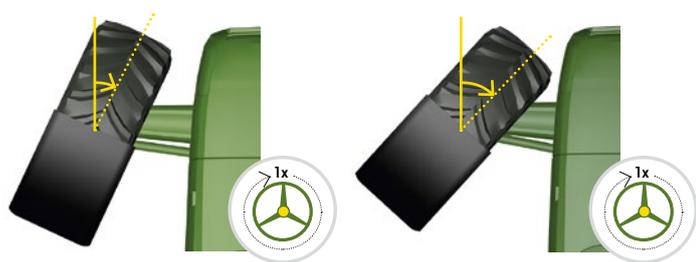
6230R and 6250R tractors further benefit from extra comfort and stability that comes with the longer 2,900 mm wheelbase.



Adaptive front axle

The self-levelling TLS Plus automatically adjusts sensitivity and suspension rate, and synchronises with hitch sensing to compensate power hop under heavy pull conditions.

*6230R and 6250R only



Variable Ratio Steering off

Variable Ratio Steering on



Variable Ratio Steering*

Improves operator comfort, requiring less hand movement and less steering effort when turning on the headland or in confined spaces. The resulting faster turning of the steering wheel increases hydraulic flow, leading to quicker response of the tyres.

Enhanced operator comfort

The intelligent hydro-pneumatic cab suspension (HCS Plus) offers more driving comfort in the field and on the road. Input from the acceleration and TLS sensor causes the cab suspension controller to increase or decrease the amount of oil in the shock absorber ram. This semi-active system delivers ultimate comfort in every situation.

*6230R and 6250R only

A COMMANDING VIEW

Ergonomic excellence, all-round visibility and comfort are the hallmarks of the spacious ComfortView cab. All controls and machine/operator interfaces have been optimized for logical, intuitive use.

6R Series Large Frame tractors are equipped with the CommandARM* and Generation 4 CommandCenter with Bluetooth connectivity. The GreenStar 3 2630 display can be mounted on either of the right-hand-side corner posts. The sloping engine hood 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.

INTUITIVE COMMANDARM OPERATION

GENERATION 4 COMMANDCENTER

CommandARM and Generation 4 CommandCenter

The CommandARM, with its optional electronic reconfigurable joystick, provides a thoroughly intuitive operating interface. All the controls you need for daily work are available at your fingertips: SCVs, AutoTrac, iTEC, air conditioning, light, radio, 4WD and hitch depth control. Mounted on the CommandARM, the Generation 4 CommandCenter has easy-to-use tablet-like swipe functionality and monitors everything you need for productive and efficient work.

| | 4100 CommandCenter | 4600 CommandCenter |
|-------------------------------------|--------------------|--------------------|
| Touchscreen | 18 cm (7") | 26.4 cm (10") |
| Tractor Controls | ■ | ■ |
| AutoTrac | ■ | ■ |
| ISOBUS Implement Control | ■ | ■ |
| Section Control and Documentation** | | ■ |
| Wireless Data Transfer | | ■ |
| Remote Display Access | ■ | ■ |
| Video inputs | 1 | up to 2 |

*not available with AutoQuad Plus or PowerQuad Plus
 **depending on the ISOBUS capabilities (AEF certification level) of the implement



Spacious 3.33m³ volume, low noise of 71dB(A) and 20 LEDs provide maximum comfort and visibility

Swivelling and adjustable **air suspended operator seat** adapts to the weight of the operator

Wide-angle, electrically adjustable telescopic **heated mirrors** (optional)

Left and right **Panorama doors** for unobstructed visibility. A left-hand side B-post version is also available

Comfortable, foldable **passenger/instructor seat** in every 6R



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

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

CommandPRO joystick for tractor or ISOBUS functions (6230R and 6250R only)

CommandARM with Generation 4 CommandCenter

Multiple **cup holders, storage areas** and power outlets

NEW COMMANDPRO JOYSTICK

Mastering the outstanding power of the 6230R and 6250R tractors is made simple by the new CommandPRO joystick with its 11 reconfigurable buttons. Furthermore, this ultimate driving strategy will make every work day even more comfortable and productive.*

THE ULTIMATE DRIVING STRATEGY

- Command top and zero speed simply with one push or pull
- Unique creeping control from 0 to 2 km/h
- Simultaneous pedal and joystick driving
- ActiveZero function keeps the output speed actively at 0 km/h until command for acceleration is given

SUPERLATIVE CONTROL

NEW COMMANDPRO JOYSTICK



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 the CommandPRO joystick and electrical joystick. This allows you to instantly recall your individual settings for implements or drivers.

*Only for 6230R and 6250R AutoPowr tractors

CREEPING CONTROL

SELECT DIRECTION

TOP SET SPEED

ACCELERATE

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
11 Reconfigurable buttons for:

- Front/Rear Hitch
- Front/Rear PTO
- SCV's
- iTEC
- AutoTrac
- ISOBUS functions
- Engine set speed

LIGHT UP THE NIGHT

Nature has never respected normal working hours. So to keep your operations productive, you'll often need to be working in the dark.

Typically, transport, ploughing, cultivating, and especially harvesting can require extended night shifts. Our factory-installed lighting packages provide a pool of bright light around your 6R Series. It comprises:



1 Cab lights

Up to 12 cab lights (optionally LED) provide 360° visibility, integrated into the front and rear of the roofline enable safe machine handling and positioning.

2 Beltline and rear fender lights

4 adjustable belt line and rear fender work lights (optionally LED) increase operational flexibility.

3 Bonnet lights (optionally LED)

6 field, spot and road lights on the bonnet grille guide you from dusk till dawn.



EXTEND WORKING HOURS

RAISE PRODUCTIVITY



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.

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



MAKING HARD WORK EASY

The closed-centre, pressure and flow compensated hydraulic system in the 6R Series has been engineered for maximum durability and reliability by optimizing the number of hydraulic components and connections, which also makes it extremely efficient.

The system in the new 6230R and 6250R models delivers a powerful 160 l/min at 1,500 rpm, with enhanced operating characteristics. SCV stack components have been clustered in a supremely user-friendly way, with up to six rear SCV's and Power Beyond couplers. Wide hitch rails allow generous clearance for PTO tasks and the layout gives the operator an unobstructed view of the rear hitch and connecting points when manoeuvring for implement coupling.



Front hitch SCVs and PTO

The front hitch has a maximum lift capacity of 5,000 kg (6230R & 6250R). It can also be ordered with up to 2 SCVs and a front PTO. All of them are ITEC capable.

Total hydraulic control

The intuitive CommandCenter controls allow you to manage the Selective Control Vales (SCVs) on the move. With optional electronic SCVs the large digital display lets you monitor flow rates and times, keeping you in control of all the hydraulic systems.



160 l/min flow

More power to your implements at only 1,500 rpm

Up to 6 rear SCVs

Perfectly clustered for ease of operation

Increased lift capacity

The new 6230R and 6250R models have a hitch lift capacity of 10.4 t

Total hitch control

CommandCenter controls for three-point hitch set-up, depth, height, rate of drop, slip and damping

Rear PTO choice

6R tractors have several PTO options: 540/1000/1000E and 540/540E/1000

iTEC

Automated control of front and rear implements when executing headland turns.

- 1**
- 2**
- 3**
- 4**
- 5**
- 6**



Automatic and mechanical wagon hitch with 38 mm ball-pin



Piton fix hitch



Ball-type hitch



Forced Steering System

AUTOMATIC WAGON HITCH

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

BALL-TYPE AND PITON FIX HITCHES

Fulfilling all customer requirements, those hitches provide optimum traction and driving dynamics for tractor/trailer combinations.

FORCED STEERING SYSTEM

For even higher versatility our hitches can also be equipped with a forced steering system to operate large trailers with steering axles (attachment only).

RAISING THE GAME

The perfect match. Tractor, loader and implements, all designed for each other. For unrestrained performance and peerless ease of use. Easy on, easy off. The essence of productivity.

John Deere R Series front loaders have our patented Automatic Latch designs, making the installation of loader and implements as easy as click & go. Three self-levelling options guarantee perfectly balanced application of the 6R's substantial power to the task in hand. The John Deere levelling link design makes more power available for lifting and never gets in the way of the operator's view.

TRACTOR/LOADER COMPATIBILITY

For the perfect fit, there is a choice of two front loader sizes for 6175R-6215R and one front loader for the 6230R-6250R.

| | 663R (NSL, MSL, ESL) | 683R (MSL, ESL) |
|---------------------|-------------------------------|-----------------------|
| 6175R, 6195R, 6215R | ■ | ■ |
| 6230R, 6250R | | ■ |



Automatic Mast Latch

Mounting our front loaders could not be quicker, safer or more convenient thanks to the patented self-correcting floating system of the built-in automatic mast latch. Separation is just as easy.



Automatic Implement Latch

The implement is self-guided by centre guides and is automatically latched as soon as it reaches the carrier frame. No manual operation required.



Electronic Self-Levelling (ESL)

ESL provides implement self levelling behaviour as well as RTP* functionality thanks to 2 sensors integrated in the boom regardless of which implement is connected to the loader. Setup is done with the loader joystick and CommandCenter screen.



CommandARM electronic joystick

Easily the most comfortable way to operate a front loader, the joystick offers up to five reconfigurable functions, including loader suspension, GSS and diverter valves.**

New 4-point Return To Position (RTP)*

Activating New Generation RTP with the electronic joystick automatically returns your loader and implement to any of 4 pre-set heights and angles. RTP works in conjunction with ESL, ensuring high operational accuracy no matter which implement is connected.

Loader suspension

Effective damping provides a smoother ride for load, tractor and operator. Activation/deactivation is via the joystick suspension button (M-LCV tractors) or the electronic joystick (E-LCV tractors).

*6175R, 6195R and 6215R only
**ESL is only compatible with the right hand console



AUTOMATIC GUIDANCE – MAKE THE MOST OF YOUR DAY

AutoTrac hands-free steering reliably steers your tractor under all conditions, preventing costly overlaps or gaps and increasing operator efficiency. With the Generation 4 CommandCenter and a StarFire receiver, you can expect up to 8%* input savings and up to 14%** productivity increase.

Accessing John Deere's automatic guidance solutions starts with the new StarFire 6000 receiver. Capabilities include better signal stability for maximum uptime and new SF3 accuracy. This means the receiver always keeps you on track whatever the conditions are. And with SF3 you get repeatable results – no guidance line or boundary drift – throughout one season. The StarFire 6000 receiver works seamlessly with all John Deere guidance systems and all accuracy levels (SF1, SF3, Mobile and Radio RTK).

*From 'Lohnunternehmen' 1/2010

**From 'Landtechnik' 6/2006

TOP-OF-THE LINE PRECISION

Get started with precision farming with the new StarFire 6000 receiver.

RTK with 2.5 cm pass-to-pass accuracy, featuring long-term repeatability including 14 days RTK Extend if you lose line of sight. The ideal solution for Controlled Traffic Farming.

New SF3 enabling 3 cm pass-to-pass accuracy and in-season repeatability.

Improved SF1 with 15 cm pass-to-pass accuracy, free of charge



GreenStar 2630 Display

Benefit from the full power of AMS technology including advanced guidance and ISOBUS functionalities, advanced documentation and automation capabilities. The GreenStar 2630 supports all telematics functions available with JDLink like Remote Display Access enabling remote operator support and automatic data exchange with the John Deere Operations Center on MyJohnDeere.com.



ADVANCED GUIDANCE AND PRECISION FARMING SOLUTIONS – PERFECT RESULTS

Take the next step in precision productivity with iTEC Pro enhancing AutoTrac with automated headland turns. And spray, spread and seed with perfection even on wedged-shaped fields using John Deere Section Control.

PERFECT RESULTS

HANDS-FREE TURNS



iTEC Pro

Intelligent Total Equipment Control integrates AutoTrac automatic steering and implement management systems to control among many other parameters for example tractor speed, front and rear mounted implements and differential lock engagement. This allows hands-free turns, while reducing soil compaction. For picture-perfect headlands and consistent crop growth.

John Deere Section Control

Benefit from precision productivity: John Deere Section Control minimises skips and overlaps automatically on-the-go. As a result, you can do a better job faster – and save money on fertiliser, chemicals and seed. This ISOBUS standard solution is available for sprayers, seeders/planters and spreaders.

MANURE SENSING

The Near-Infrared Sensor, as utilized by our forage harvester (HarvestLab), now fitted to the slurry tanker measures N, P, K, NH₄, volume and dry matter on-the-go with more than 4,000 measurements a second.

With a 6R Series tractor with AutoPowr transmission, the sensor can directly command speed adjustment to the tractor to adjust application rates, based on your desired nutrient target level and even leveraging a prescription map. This enables you to maximise yields and meet legal requirements while cutting costs on mineral fertilizer.



Site-specific application

- Target rate kg/ha N, P, K, NH₄
- Limit rate for second ingredient



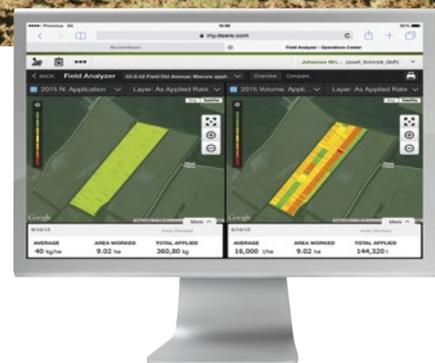
Tractor-Implement Automation

- Automatic speed adjustment with John Deere tractors
- Manual speed adjustment with non-John Deere tractors



Documentation on-the-go

- Applied volume
- Applied amount of nutrients



Easy access to collected data

- Nutrient maps easily accessible in the Operations Center on MyJohnDeere.com

YOUR GATEWAY TO BETTER BUSINESS DECISIONS

The Operations Center on our Ag web portal, MyJohnDeere.com, connects you with your machines, operators and fields from a central location.

Exchange data seamlessly with your John Deere dealer, contractor or other trusted partner via JDLink, our telematics infrastructure. It takes the guesswork out of monitoring, optimisation and maximizing uptime.



With our connectivity package your 6R tractor can be equipped with a suite of smart technologies that help you increasing profitability, comfort and uptime while reducing cost of operation.

These technologies are:

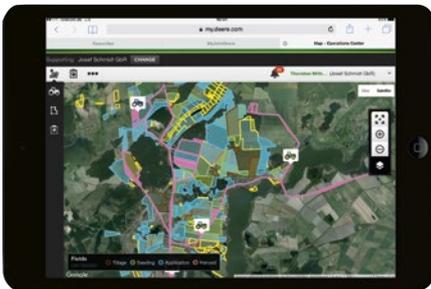
- AutoTrac hands-free steering
- JDLink and Remote Display Access
- Access to the Operations Center on MyJohnDeere.com
- Tractor-Implement Automation

All of the above, plus a FarmSight dealer Service Package to train and support you in the use of these technologies when you decide to go for Connectivity Inside.



JDLink

JDLink Access shows you where your machines are, what they're doing and how they perform and can be used to remotely assist your operators with machine setup and operation leveraging Remote Display Access. JDLink Connect additionally includes Wireless Data Transfer for seamless data exchange between your machine and the office.



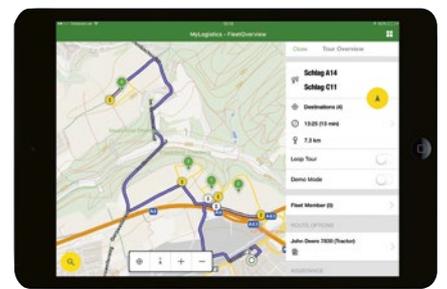
Operations Center

Go to the John Deere Operations Center to allocate exact field locations for the next jobs, track the work progress of your machines, easily assign work orders to your operators, view as-applied maps automatically sent from the field as well as create, analyze and share application reports with trusted partners and customers.



Job management made easy

No more paperwork and endless phone calls while planning, execution and reporting. Use MyJobConnect and the MyJobsManager App to assign tasks to combine operators on the go. Operators view and execute work orders in real-time on their mobile device. On completion, you have the entire accurate data for quicker reporting and professional invoicing.



Intelligent Ag Navigation & Fleet Logistics

MyJobConnect Premium upgrades MyJobConnect to a true mixed fleet logistics solution. It features fleet overview, turn-by-turn navigation based on a comprehensive field road database with estimated arrival times for vehicles at predefined destinations. It enables grain trailers to take the fastest and safest way to the field.

PARTS & SERVICE

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. See your dealer for detailed terms & conditions.



PowerGard Maintenance

Get regular scheduled maintenance and enjoy the full benefits and cost savings of using genuine John Deere parts.



PowerGard Protection

For new machines in connection with PowerGard Maintenance.



PowerGard Protection Plus

For new machines in connection with PowerGard Maintenance.

JOHN DEERE FARMSIGHT – PROFIT FROM INSIGHT

John Deere FarmSight dealer services support you in the daily use of your 6R tractor with the latest AMS technology. Your 6R can be equipped with JDLink and Service ADVISOR Remote.



Uptime

Remote monitoring and service support designed to maximise machine uptime



Performance

Monitoring of key performance indicators of individual machines to maximise productivity and efficiency.



Logistics

Monitoring of multiple machines to optimise the efficiency of larger fleets.



Agronomics

Help and advice for making more informed business decisions to improve productivity and profitability.



GENUINE. A WORD TO TAKE SERIOUSLY

Only John Deere Genuine Replacement Parts are built to the same stringent standards as your 6R Series tractor. 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.

Genuine for a reason

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

INVESTING IN YOUR 6R PAYS DIVIDENDS

Personalise your 6R with genuine John Deere attachments. They will support you in making each working day more efficient, more convenient and less fatiguing. Designed and engineered by John Deere, you can be sure they'll fit properly and are built to last.

Add more

- Performance, productivity with e.g. ballasting solutions
- Versatility with e.g. genuine hitch solutions
- Comfort, convenience with e.g. accessories mounting brackets



Add more  **Do More**

with John Deere attachments

Specifications

| TRACTOR MODEL | 6175R | 6195R | 6215R | 6230R | 6250R |
|---|--|-----------|-----------|---|-----------|
| ENGINE PERFORMANCE | | | | | |
| Rated power (97/68EC), hp (kW) | 175 (129) | 195 (143) | 215 (158) | 230 (169) | 250 (184) |
| Rated power with IPM (97/68EC), hp (kW) | 215 (158) | 235 (173) | 255 (188) | 270 (199) | 290 (213) |
| Max. power (97/68EC) hp (kW) | 193 (142) | 215 (158) | 237 (174) | 253 (186) | 275 (202) |
| Max. power with IPM (97/68EC) hp (kW) | 223 (164) | 243 (179) | 259 (190) | 280 (206) | 300 (221) |
| Rated power (ECE-R24) hp (kW) | 164 (122) | 182 (136) | 201 (150) | 220 (162) | 239 (176) |
| Rated with IPM (ECE-R24) hp (kW) | 202 (151) | 220 (164) | 239 (178) | 258 (190) | 279 (205) |
| Max. power (ECE-R24), hp (kW) | 181 (135) | 202 (151) | 224 (167) | 243 (179) | 265 (195) |
| Max. power with IPM (ECE-R24), hp (kW) | 209 (156) | 229 (171) | 244 (182) | 269 (198) | 290 (213) |
| Constant power range, rpm | 2,100 - 1,600 | | | | |
| Torque reserve, % percentage | 40 | | | | |
| Maximum torque, Nm (at 1600 engine rpm) – without boost | 817 | 910 | 1,004 | 1,074 | 1,167 |
| Rated speed, rpm | 2,100 | | | | |
| 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 | | | External A-Post 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 | | | Distributed cooling system with temperature controlled electric fan drive and dedicated fan for charge air cooler | |
| Fuel injection system & control | High pressure common rail system with up to 2,500 bar injection pressure, electronically controlled | | | | |
| TRANSMISSIONS | | | | | |
| 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 | Triple Link Suspension (TLS Plus) MFWD Axle in base; hydro-pneumatic, permanently active, triple link, self-levelling, load adjusting suspension | | | Braked Triple Link Suspension (TLS Plus) MFWD Axle in base; 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; 100% differential lock optional | | | 100% differential lock in base | |
| 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 | | | Dynamic load sensing, hydrostatic, flow metering; Variable Ratio Steering optional | |
| HYDRAULIC SYSTEM | | | | | |
| Type | Pressure & Flow Compensated (PFC) system with load sensing function | | | | |
| Flow at rated engine speed base/option, l/min | 114 / 155 | | | 160 (max. flow available at 1,500 rpm) | |
| Selective control valves | Up to 6+3 | | | | |
| Power beyond | Optional | | | | |
| Oil take out capacity with overflow, l | 42 | | | – | |
| Oil take out capacity with additional oil reservoir, l | 55 | | | 80 | |

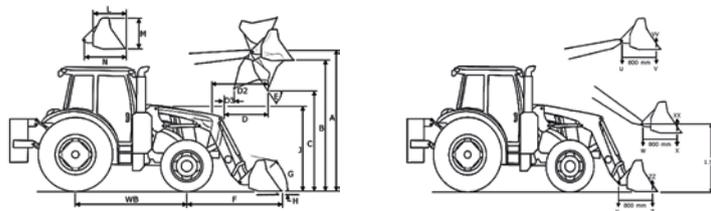
| TRACTOR MODEL | 6175R | 6195R | 6215R | 6230R | 6250R |
|---|--|--------|--------|---|-------|
| 3-POINT HITCH – REAR | | | | | |
| Type | Electronic lower link sensing; load & depth control, infinite mix, float | | | | |
| Category | III | | | IIIN | |
| Maximum lift capacity at hooks, kg | 8,500 | 8,500 | 9,550 | 10,400 | |
| Lift capacity through full lift range (OECD 610 mm), kg | 4,850 | 4,850 | 5,450 | 7,000 | |
| Lift capacity through full lift range (OECD 1800 mm), kg | 3,400 | 3,400 | 3,800 | 4,300 | |
| 3-POINT HITCH – FRONT | | | | | |
| Type | Front hitch controlled by rear SCV (Economy option) or dedicated SCV (Premium option) | | | Front hitch controlled by dedicated SCV in base | |
| Category | IIIN | | | | |
| Maximum lift capacity at hooks, kg | 4,000 | | | 5,000 | |
| Lift capacity through full lift range (OECD at the hooks), kg | 3,300 | | | 4,400 | |
| REAR PTO | | | | | |
| Type | Electro-hydraulically engaged, oil cooled, multi-disc design | | | | |
| Engine rpm at rated PTO speeds with 540/540E/1000 option | 1,950 / 1,721 / 1,950 | | | 1,950 / 1,721 / 1,950 | |
| Engine rpm at rated PTO speeds with 540E/1000/1000E option | 1,761 / 1,989 / 1,756 | | | 1,618 / 2,012 / 1,659 | |
| FRONT PTO, OPTIONAL | | | | | |
| Type | Electro-hydraulically engaged, oil cooled, 80 kW power | | | Electro-hydraulically engaged, oil cooled, 115 kW power | |
| Engine speed at rated PTO speed (1000), rpm | 1,969 | | | | |
| CAB | | | | | |
| Specifications | ComfortView cab with 2 panorama doors or B-Post on left hand side and Generation 4 and CommandCenter display | | | | |
| Suspension (option) | Adaptive hydraulic cab suspension HCS Plus | | | | |
| Noise level at operator's ear, dB(A) | 71 | | | 71 | |
| Cab glass area, m ² | 6.11 | | | | |
| Cab volume, m ³ | 3.33 | | | | |
| Display | Generation 4 CommandCenter 4100 7" or 4600 10" display | | | | |
| MISCELLANEOUS | | | | | |
| AutoTrac Ready | Optional | | | Base | |
| ISOBUS implement connection | Base | | | Base | |
| CommandCenter video inputs | 1 input for 4100 7" display, 2 inputs for 4600 10" display optional | | | | |
| Immobilizer | Optional | | | | |
| Drive pedal mode | AutoPowr only | | | Base | |
| 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 | 395 / 335 | | | 470 / 410 | |
| Engine coolant, l | 28 | | | 29 | |
| DIMENSIONS AND WEIGHTS | | | | | |
| Wheelbase, mm | 2,800 | | | 2,900 | |
| Width x Height x Length, mm | 2,550 x 3,160 x 5,050 | | | 2,550 x 3,250 x 5,190 | |
| <i>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.</i> | | | | | |
| Height from center of rear axle to top of cab (no beacon light), mm | 2,183 | | | 2,273 | |
| Turning radius, m | 5.62 | | | 6.32 | |
| <i>According to ISO789-3 measured for 600/65R30 at 2,050 mm tread setting and 1.6 bar inflation pressure on level ground</i> | | | | | |
| Shipping weight, kg | 8,300 | 8,400 | 8,500 | 9,300 | |
| <i>Measured with average specifications</i> | | | | | |
| Maximum permissible gross weight, kg | 12,700 | 13,450 | 13,450 | 15,000 | |
| TIRE SIZES | | | | | |
| Front tire sizes, max. available (SRI) | 600/70 R28 (SRI 725) | | | 600/70R30 (SRI 750) | |
| Rear tire sizes, max. available (SRI) | 800/75R38 (SRI 975) | | | | |



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Specifications

| TRACTOR MODEL | | | | 6175R, 6195R, 6215R | |
|--|----------------------------------|------|-----------|---------------------|-------|
| FRONT TIRE | | | | 600/65R28 | |
| REAR TIRE | | | | 710/70R38 | |
| WHEELBASE | | (WB) | mm | 2,800 | |
| PUMP CAPACITY | | | lpm | 114 | |
| RATED PRESSURE | | | psi / BAR | 2,900 / 200 | |
| LOADER | | | | 663R NSL | |
| BUCKET | | | | HEAVY DUTY 2,450 mm | |
| BUCKET WEIGHT | | | kg | 355 | |
| LIFT CAPACITY* @ FULL HEIGHT | MEASURED @ PIVOT | | (U) | kg | 2,563 |
| | MEASURED @ 800 mm AHEAD OF PIVOT | | (V) | kg | 1,857 |
| LIFT CAPACITY* @ 59 in (1.5 m) LIFT HEIGHT | MEASURED @ PIVOT | | (W) | kg | 2,787 |
| | MEASURED @ 800 mm AHEAD OF PIVOT | | (X) | kg | 2,211 |
| BOOM BREAKOUT | MEASURED @ PIVOT | | (Y) | kg | 2,928 |
| | MEASURED @ 800 mm AHEAD OF PIVOT | | (Z) | kg | 2,217 |
| BUCKET ROLLBACK FORCE | @ MAXIMUM HEIGHT | | (VV) | kg | 2,744 |
| | @ 59 in (1.5 m) LIFT HEIGHT | | (XX) | kg | 4,526 |
| | @ GROUND LEVEL | | (ZZ) | kg | 4,550 |
| MAXIMUM LIFT HEIGHT* | | | (A) | mm | 4,520 |
| CLEARANCE* | @ FULL HEIGHT – BUCKET LEVEL | | (B) | mm | 4,249 |
| | @ FULL HEIGHT – BUCKET DUMPED | | (C) | mm | 3,492 |
| OVERALL LENGTH* | | | (WB+F) | mm | 5,668 |
| DIGGING DEPTH* | | | (H) | mm | -85 |
| REACH* | @ MAXIMUM HEIGHT | | (D) | mm | 1,004 |
| | @ GROUND – BUCKET LEVEL | | (F) | mm | 2,868 |
| BUCKET ANGLES | DUMP ANGLE @ FULL HEIGHT | | (E) | degrees | -56 |
| | ROLLBACK @ GROUND | | (G) | degrees | 48 |
| | DUMP ANGLE @ GROUND | | | degrees | -143 |
| CYCLE TIMES | LOADER RAISE | | | sec | 3.98 |
| | LOADER LOWER | | | sec | 2.75 |
| | BUCKET DUMP | | | sec | 2.65 |
| | BUCKET ROLLBACK | | | sec | 1.81 |



| 6175R, 6195R, 6215R | | 6175R, 6195R, 6215R | | 6230R, 6250R | |
|---------------------|--|---------------------|--|---------------------|--|
| 600/65R28 | | 600/65R28 | | 600/70R30 | |
| 710/70R38 | | 710/70R38 | | 650/85R38 | |
| 2,800 | | 2,800 | | 2,900 | |
| 114 | | 114 | | 114 | |
| 2,900 / 200 | | 2,900 / 200 | | 2,900 / 200 | |
| 663R MSL | | 683R MSL | | 683R MSL | |
| HEAVY DUTY 2,450 mm | | HEAVY DUTY 2,450 mm | | HEAVY DUTY 2,450 mm | |
| 355 | | 355 | | 355 | |
| 2,312 | | 2,495 | | 2,522 | |
| 2,352 | | 2,506 | | 2,538 | |
| 2,808 | | 3,035 | | 3,041 | |
| 2,642 | | 2,868 | | 2,870 | |
| 3,204 | | 3,450 | | 3,435 | |
| 2,794 | | 3,040 | | 3,016 | |
| 2,744 | | 2,989 | | 2,972 | |
| 4,521 | | 4,461 | | 4,464 | |
| 4,538 | | 4,424 | | 4,421 | |
| 4,520 | | 4,480 | | 4,520 | |
| 4,249 | | 4,209 | | 4,250 | |
| 3,480 | | 3,437 | | 3,480 | |
| 5,668 | | 5,769 | | 5,791 | |
| -85 | | -126 | | -85 | |
| 1,004 | | 1,335 | | 1,215 | |
| 2,868 | | 2,969 | | 2,891 | |
| -56 | | -56 | | -56 | |
| 48 | | 48 | | 53 | |
| -114 | | -116 | | -117 | |
| 3.91 | | 4.19 | | 4.19 | |
| 2.70 | | 2.89 | | 2.89 | |
| 1.81 | | 1.81 | | 1.81 | |
| 1.81 | | 1.81 | | 1.81 | |

* The values may vary according to the tractor and loader settings/configuration.

CHOICE MADE EASY

When confronted with so much choice, configuring your tractor can be a daunting task. So we've made it easier.



John Deere 6R Large Frame tractors are now available in three attractively priced editions: Select, Premium and Ultimate. Each is pre-configured with a selection of components and features that will satisfy the requirements of many owners and operators. In addition, we offer two Connectivity packages for all 6R tractors.

Editions 6R Series Large Models

| DESCRIPTION | SELECT | PREMIUM | ULTIMATE |
|--|--------|---------|----------|
| TLS front axle suspension is in base of every 6R | | | |
| TRANSMISSION | | | |
| AutoQuad transmission | ■ | - | - |
| DirectDrive transmission | - | ■ | ■ |
| AutoPowr transmission (in base for 6230R and 6250R) | - | ■/□ | ■/□ |
| CAB | | | |
| Standard seat | ■ | ■ | - |
| Premium seat | □ | □ | □ |
| Ultimate seat | - | □ | □ |
| Cab Suspension | □ | □ | ■ |
| CommandARM | - | ■ | ■ |
| 4100 CommandCenter | ■ | ■ | - |
| 4600 CommandCenter | - | □ | ■ |
| Select Light package | ■ | - | - |
| Premium Light Package | □ | ■ | - |
| Ultimate Light Package | - | □ | ■ |
| iTEC headland management system | □ | ■ | ■ |
| Wide angle mirrors | □ | □ | ■ |
| Cooling compartment | □ | □ | ■ |
| Climate control | □ | □ | ■ |
| Standard – radio | ■ | ■ | - |
| Premium – radio | - | □ | ■ |
| ISOBUS Ready | ■ | ■ | ■ |
| HYDRAULICS | | | |
| Hydraulic pump 114 l/min | ■ | ■ | - |
| Hydraulic pump 155 l/min (in base for 6230R and 6250R) | - | ■/□ | ■ |
| 3 mechanical SCVs – Premium | ■ | - | - |
| 4 mechanical SCVs – Premium | □ | - | - |
| 3 electrical SCVs – Premium | □ | ■ | ■ |
| 4 to 6 electrical SCVs – Premium | □ | □ | □ |
| Fender controls for 3rd electrical SCV | □ | □ | ■ |
| Power Beyond preparation (rear) | □ | □ | ■ |
| Lift link adjustment LH & RH mid/small | ■ | ■ | ■ |
| Additional oil reservoir | ■ | ■ | ■ |

Legend: ■ base for editions; □ optional for editions; – excluded for editions

Editions can be modified by John Deere without previous notification. Please check with your John Deere dealer for the latest editions.

Connectivity Packages 6R Series

| DESCRIPTION | PREMIUM | ULTIMATE |
|--|---------|----------|
| AutoTrac Ready | ■ | ■ |
| Tractor Implement Automation | ■ | ■ |
| 4600 CommandCenter Display | ■ | ■ |
| 4600 CommandCenter Processor | ■ | ■ |
| CommandCenter AutoTrac Activation | ■ | - |
| CommandCenter Premium Activation | - | ■ |
| JDLink Access | ■ | - |
| JDLink Connect | - | ■ |
| MyJobConnect (MyJobs / MyJobs Manager) | - | ■ |
| StarFire 6000 – SF1 | □ | □ |
| StarFire 6000 – SF3 | □ | □ |

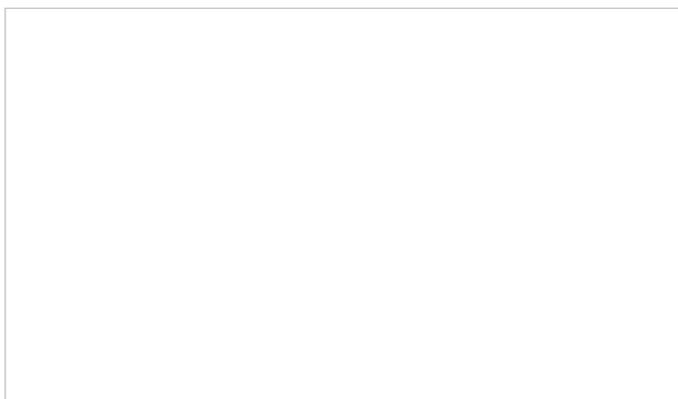
Legend: ■ base; □ optional; – excluded

Elements of the Connectivity Packages are a limited promotional offer and include time based subscriptions. Be aware that some of the Connectivity Package as well as elements could not be available in all regions. Please contact your local John Deere dealer for availability.

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And their technicians – all factory-trained – are familiar with every nut, bolt and byte in your equipment. They usually have up to 80% of all parts in stock, and the John Deere parts logistics system is second to none – 97% of orders are fulfilled within 24 hours. So you can count on your dealer keeping your Deere running ahead of the field.



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