

7R Series Tractors

169 to 228 kW (230 to 310 hp) 97/68EC with Intelligent Power Management



Featuring optional
John Deere exclusive
**ActiveCommand
Steering**



More-in-1

To make the most of your land – day in and day out – you need a reliable tractor that leads the way in productivity. What else should it be able to do? You'll probably be looking for characteristics like power density, good field manoeuvrability and easy adaptability to road transport. But you also demand a high level of comfort and ease of operation. Is that all? Not quite.

You also need an engine that delivers excellent fuel economy and has a solid record for robust performance.

Simply put, you need more in one machine than anything you have ever seen before.

Meet the John Deere 7R Series tractor. With the new 9.0 I PowerTech PVX and 6.8 I PowerTech PSX engines, Intelligent Power Management, spacious CommandView II Cab, cab suspension, optional ActiveCommand Steering and, of course, much much more.

R you ready?





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R is Evolution

The 7R tractor Series introduces five brand new models to the John Deere family delivering reliable high performance at 147 to 206 kW – that’s 200 to 280 hp and even 230 to 310 hp maximum power with IPM*.

The 7R Series has not appeared out of nowhere but builds on the proven success and durability of John Deere’s Premium tractors.

Proven John Deere features, further improved for the 7R Series:

- Impressive power with 200–280 hp (230–310 hp with IPM)
- Increased fuel tank capacity of up to 540 l
- Oil-cooled clutch
- Powerful rear hitches with up to 10.7 t lift capacity
- Multiple hydraulic options
- GreenEfficiency DieselOnly economy
- A spacious, quiet, comfortable cab
- Completely updated CommandArm controls

For reliable performance, the 7R is ideal for long working days and multiple applications.

7R Series models:
 7200R – 147 kW (200 hp)* (230 hp with Intelligent Power Management)
 7215R – 158 kW (215 hp)* (245 hp with Intelligent Power Management)
 7230R – 169 kW (230 hp)* (260 hp with Intelligent Power Management)
 7260R – 191 kW (260 hp)* (290 hp with Intelligent Power Management)
 7280R – 206 kW (280 hp)* (310 hp with Intelligent Power Management)
 *at rated speed 97/98 EC



New single monitor display
 ISOBUS compatible 7 inch display with AMS applications and Access Manager in base – optional touch screen display with video function.



Comfortable ride
 ActiveSeat or the new hydraulic cab suspension (HCS) and additional TLS Plus axle offer increased comfort on the road and in the field.

*97/68 EC

R is Revolution, too!



The 7R Series also introduces revolutionary innovations, never before available in a John Deere tractor of this calibre, like the new Stage III B compliant 6.8 l or 9.0 l PowerTech PSX & PVX engines.

Sensational new 7R Series features:

- Groundbreaking PowerTech PSX & PVX engine efficiency, featuring fuss-free DieselOnly solution
- Sleek modern styling
- Optional John Deere exclusive ActiveCommand Steering
- Optional integrated front hitch and front PTO
- Optional new flanged axle and large diameter (215 mm) rear tyre options
- ISOBUS compatible GreenStar 3 CommandCenter display with pre-installed Ag Management Solutions (e.g. AutoTrac, GreenStar Sprayer Pro) and Touch option including video function
- 360° exterior lighting
- Automotive fit and finish
- New immobilizer key with optional data tag security identification*
- Active Seat or optional hydraulic cab suspension (HCS) for unparalleled ride comfort
- Rugged structural chassis

Get more in one – because 7R stands for one part evolution, one part revolution and 100% John Deere!



ActiveCommand Steering

A robust and comprehensive new steering system with Dynamic Road Wheel Offset Control, Variable Ratio Steering and Full Electronic Steering Control.

*Not available in all countries. Std UK and Ireland.

More space, more comfort, more options

We updated the interior of the CommandView cab to give you a fantastic ride. You can also look forward to new serene colours, optimised overhead air conditioning, better views, extra room to stretch your legs and a whole lot more!

Wide open spaces

Expand your horizons in the spacious interior, featuring generously large glass surfaces and a large instructor seat with FieldOffice surface on its backrest.

Air conditioning

Roof-integrated system with high performance air flow. The optional Automatic Temperature Control is easily set via the remote control in the armrest.

SCV levers and couplers

The Selective Control Valve levers and couplers are colour-coded to simplify recognition.

Cab-integrated exterior lighting

Turn night into day with 360° of deep illumination and lamps which are set in the cab roof to prevent damage.

GreenStar 3 CommandCenter display

Now important **AMS applications** can be operated directly via the CommandCenter display, such as AutoTrac, GreenStar, Sprayer Pro and Pivot Pro.

A lot to look forward to

The newly designed slender engine bonnet and wraparound visibility let you keep a close watch on your work whether it's ahead, above, below, to the sides or behind.



The optional Hydraulic Cab Suspension comes with a choice of seats including the Super Comfort Seat featuring adjustable backrest.



CommandView II Cab

Discover the ultimate in operator comfort, control and visibility, including the John Deere exclusive ActiveSeat suspension for a smoother ride. The leather trim package features a leather-wrapped steering wheel, a heated leather operator seat and a leather instructor seat.

Get more out of every day



Optional GreenStar 3 CommandCenter Touch display

Relax and let your fingertips do the work! The new TouchScreen display with video capability gives a new level of operating comfort. Integration of video capability further reduces the number of monitors, harness and brackets in the cab. It's the most effective way to control applications and monitor performance.

Optional John Deere ActiveSeat

All John Deere seats are rugged and comfortable but the optional ActiveSeat suspension is extraordinary. It insulates you from up to 90% of the tractor's vertical movements for increased comfort, decreased fatigue and, at the end of the day, greater productivity.

Hydraulic Cab Suspension Plus (HCS+)

The new HSC+ option considerably improves driving comfort in the field and on the road. An active dampening system anticipates loads and braking to maintain ideal cab balance while still giving the driver an accurate feel for the tractor and the ground below.

More storage than ever before

Now your operator's manual, first aid kit, warning triangle, personal electronic devices and everything else you need, can be stowed within easy reach.

Sound technology

Enjoy your favourite music with four high quality speakers and a powerful subwoofer. The Premium Radio Package also plays CDs and MP3s and supports USB as well as "hands-free" Bluetooth connectivity.

Plug and play

Up to 10 power outlets provide a convenient energy supply for implement monitors or for use of the optional GreenStar 2630 display. Additional monitor mount locations are ready for a change whenever you are.



Tractor-specific key

New immobilizer key offers optimal security from unauthorised use. Optional data tag security identification helps authorities find your tractor, in the event of theft*

*Immobilizer and Data tag security identification is not available in all countries, please ask your John Deere dealer for further details. Std UK and Ireland.

More control at your fingertips

There's an unprecedented level of in-cab comfort and functionality in a 7R Series tractor. The new right-hand **CommandArm console** with integrated **GreenStar 3 CommandCenter** control puts everything you need within easy reach.

Controls, such as the **CAN-controlled SCVs** are intuitive to understand and fast to locate on demand. The **7 inch display** is also read at a glance. For customised automation, the **intelligent Total Equipment Control (iTEC)** system lets you automate multiple operating functions simultaneously.

Plus, important AMS applications can now be operated directly via the GreenStar 3 CommandCenter display

The CommandArm console, which comes with the AutoPowr or Command Quad transmissions*, makes it easy and convenient to maximise productivity with:

- Hot keys for field CruiseControl, iTEC, transmission and PTO settings
- Hot keys to all hitch functions
- Air conditioning controls
- Radio controls
- MFWD controls
- Light controls



AutoQuad/PowerQuad console

Optimal transmission control is within easy reach.



The new CommandArm console

Enjoy fingertip control of the main tractor and cab functions. Use the CommandCenter display to operate AMS functions like AutoTrac, optionally available with a touch screen and video function.

*7R Series tractors equipped with PowerQuad or AutoQuad transmissions come with a different right-hand control console

See more, improve results

New GreenStar 3 CommandCenter display Touch (optional)

Aside from the convenience of touch screen control, with an added video camera, the screen is automatically triggered to show real-time videos of procedures such as reverse, PTO engagement, hitch movement or SCVs. The video function also enables you to monitor sensitive implement areas, without the need of additional monitors.

All-inclusive control

Both the standard and the optional touch screen/video display support ISOBUS standards, including:

- Fully integrated **AutoTrac** automatic steering solutions
- Fully integrated **GreenStar Sprayer Pro** section control for John Deere implements
- **Access Manager** to protect important settings, enabling targeted access to functions, or denial of access, based on operator level
- **ISOBUS implement control**, for example, the operation of a large self loading silage wagon or air seeder
- **Universal Performance Monitor**
- **Consolidated Performance Monitor** with a common user interface, featuring consistent control behaviour and ease of use



New GreenStar 2630 display (optional)

The GreenStar 2630 display features a robust touch screen, USB connectivity ports and backlit LCD for greater brilliance and optimised legibility on both sunny days and dark nights. The advanced touch screen enables use of:

- **AutoTrac and Guidance Pro Modules** such as iGuide and iSteer
- **Advanced ISOBUS capability** for advanced implement control
- **Documentation** for easy recording of application rate to boost productivity
- **Video function**
- **Access Manager** for password protected settings
- **Standby mode**

Advanced guidance and control
AMS Guidance Pro Modules like iSteer and iGuide as well as Sprayer, Spreader and Seeder Pro Universal can be run on the GreenStar 2630 display.



Push-to-talk

The enhanced Premium Radio Functionality (Option) shows name and phone-number of incoming calls on the CommandCenter display. Just push to receive the call. The display also shows the directory of your phone for easy dialling.

Corner post display

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

Move more, spend less

Advanced engineering in the John Deere 7R Series makes it easy to transport heavy loads whilst using less fuel. Thanks to Triple Link Suspension Plus (TLS+) with mechanical front-wheel drive (MFWD), the tractor can put significantly more power to the ground – both in the field and on the road.

TLS+ also ensures higher operator comfort, which considerably reduces fatigue and increases productivity. Another plus: thanks to impressive adaptive features, such as self-levelling and automatic adjustment of axle sensitivity, John Deere TLS+ is able to smoothly handle all axle load conditions.

In addition to TLS+, the revolutionary new structural chassis of the 7R takes advantage of optimal power density to make light work of demanding loading and draft applications.

Since fuel efficiency is enhanced as well, the 7R Series is truly the ideal choice when frequent transport is required.



Smooth ride

Triple Link Suspension Plus (TLS+) ensures maximum traction and optimum driving comfort, particularly in rough field or road conditions.

Dynamic Stability Control

Improved driving stability with the Dynamic Stability Control – it keeps the tractor straight in your land with minimal effort.



More comfort, more control

John Deere's exclusive ActiveCommand Steering (optional) is the new benchmark for tractor driving performance. Whether in the field or on the road, it reduces steering effort to prevent operator fatigue – and considerably improves driving comfort and control.

- **Dynamic Road Wheel Offset Control** keeps your tractor on track with minimal effort. It automatically adjusts the road wheel angle based on the lateral acceleration of the tractor. This improves vehicle control when cornering at transport speeds and improves line-holding ability – even in rough and bumpy terrain.
- **Variable Ratio & Effort Steering** provides light, agile steering at slower speeds and, to prevent oversteering, heavier steering for higher speeds – for example, during transport. The system adjusts both the resistance of the steering wheel and the number of steering wheel turns needed during lock-to-lock manoeuvres.
- **Full Electronic Steering Control** makes it easier to stay on course and reduces operator fatigue by providing a more comfortable driving experience all round. The new system removes all the drawbacks of a conventional steering column-to-wheel setup. It reduces vibration significantly and eliminates free play completely.

More than anything, the operator benefits from less manual work during field, front loader and transport operations. In fact, hand wheel movement is reduced by up to 75%. The bottom line: more comfort, more control and a more stable ride.



Agritechnica Gold Medal

John Deere's ActiveCommand steering has been awarded with the top innovation prize for new agricultural inventions.

Variable Ratio Steering

Reduced lock-to-lock turns in the field for quicker headland turns with Variable Ratio Steering.



Horst Walter, AGROTEC

"The steering of the 7R tractor is really easy going, even on winding roads you stay on course with minimal effort. At headland turns the precise manoeuvrability is a big improvement."

More light on all sides

Depending on the season, the hours of daylight may be limited and, at other times, long hours may be required for ploughing, cultivating and harvesting. To keep your operation running productively, 7R Series tractors shine brighter than ever with an easy to operate lighting system that covers all corners around the tractor.

You've never seen so much at night!

- Up to 12 lights integrated into the cab roof provide 360° visibility – wisely integrated into the roofline front, rear and sides to prevent possible damage.
- 4 adjustable beltline and rear fender field lights increase flexibility.
- New halogen high and low beam headlights keep your view ahead bright and clear: 8 field, spot and road lights on the bonnet grille guide you from dusk till dawn.
- Two optional auxiliary lights are available as a field kit for large front-mounted implements and front loaders.
- Luminescence increase of over 74% for standard lighting package

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

Lighting configurations on 7R Series tractors turn night into day.





More hours to work

The 5 additional Xenon lights in the Premium HID Lighting Package deliver up to 5 times the service life of halogen bulbs and 2.5 times the luminescence. This brightness and daylight colour output ensure excellent field definition and even greater luminosity.



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

Multi-faceted intelligence

Whether you have the integrated GreenStar 3 CommandCenter display or the optional GreenStar 2630 display, both work as a fully functional ISOBUS virtual terminal. By enabling use of Ag Management Solutions (AMS), it's easy to build on this innovative basis according to your operational needs and goals. For example with:

AutoTrac

Automated hands-free guidance allows you to reduce overlap by as much as 90%. All you need to do is define the accuracy of the correction signal you want to use with your StarFire 3000 receiver.

± 30 cm pass-to-pass accuracy with the FREE SF1 signal, perfect for tillage

± 10 cm pass-to-pass accuracy with the SF2 signal, ideal for fertiliser spreading and mowing

± 2 cm repeatable RTK signal accuracy for the highest precision demands like seeding

FieldDoc

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

AutoTrac reduces overlap with hands-free, GPS-assisted steering – saving you time, fuel and labour costs.



The Starfire 3000 receiver features improved signal acquisition, GLONASS capability, as well as compatibility with EGNOS, SF1, SF2, RTK, SF Mobile RTK.

Tailor-made business solutions

In uneven terrain, the weight of your pulled type implement will cause it to drift. The result is gaps and overlaps. With the iGuide system, the tractor now changes its path to compensate for implement drift in uneven terrain and guides the implement passively to a perfect pass-to-pass result.

iSteer*

Active implement guidance is the advanced solution for plough steering or speciality crop operations. The implement actively compensates for off-track drift by using SBC Innovative sensors and hydraulics with John Deere GreenStar Display 2630 and StarFire 3000 receiver.

Stay informed

The John Deere Business Pack I is an automated documentation tool that delivers precise job, fuel and transport documentation. The business solution also supports error-free operations in the field by providing job details on the GreenStar 2630 display.

Machine data at a click

With John Deere advanced telematics, it's never been easier to monitor, record and analyse your fleet, enabling you to track the performance of each machine in the field.

With John Deere Telematics you combine the functions of integrated hardware on your tractors and the JDLink analysis software.

State-of-the-art: JD Link website

JDLink lets you track all of your machines and applications from the convenience of your office. Simply sign in to www.jdlink.com to access the data collected from each tractor. The JDLink website provides you with live tractor performance data, such as fuel consumption, efficiency of tractor use, productivity charts and precise vehicle location at all times. JDLink also offers you an array of comprehensive machine management tools, such as detailed service records and a calculator to notify you of expected maintenance dates.

JDLink Ultimate

Work even more efficiently and profitably with the JDLink Ultimate wireless communication and information solution. Stay connected with your machines simply by logging onto the JDLink website from wherever you are. You can monitor exactly where your machines are located and analyse performance data like fuel consumption or machine utilisation.

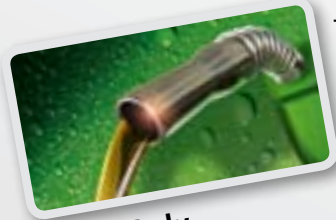
To reduce machine downtime, you may agree to let your dealer run **Service ADVISOR Remote*** sessions to remotely diagnose failures and save travel time.



The Ultimate overview

Keep constant track of your tractors with JDLink Ultimate, go online anytime, anywhere, to retrieve machine generic data, such as engine load and speed.

Uncompromising power



DieselOnly-

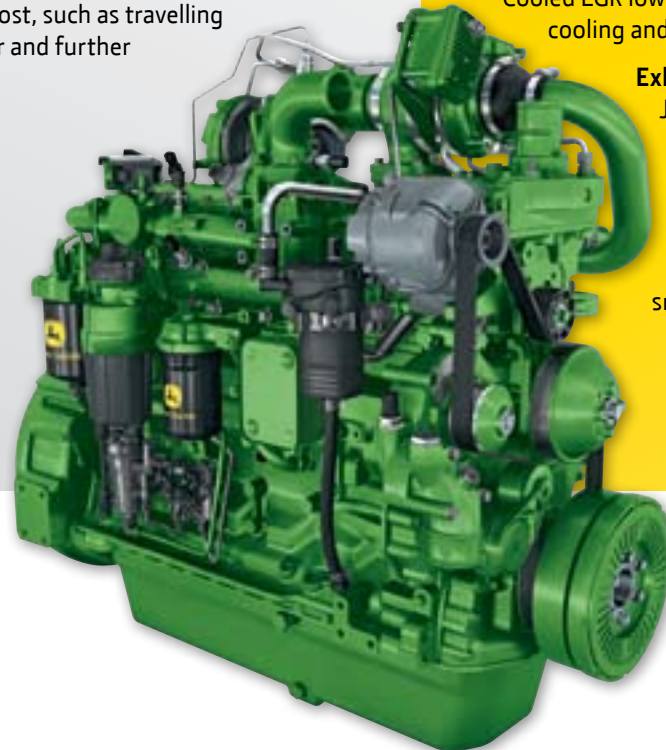
To comply with emissions standards, John Deere has optimised the performance and efficiency of our already successful, field-proven and user-friendly PowerTech engines. While competitors aim to reduce emissions with a complicated dual-fluid system, John Deere has focused on keeping things simple with a future-ready, single-fluid approach.

Horsepower that's raring to go – and go!

Greater efficiency doesn't mean you have to sacrifice on power. The 7R Series 9.0 I PowerTech PVX engine delivers up to 280 hp at rated speed and up to 310 hp with Intelligent Power Management (the 6.8 I PowerTech PSX engine delivers up to 230 hp and 260 hp with IPM). Plus, the up to 540 I fuel tank provides many productive hours of nonstop operation.

Intelligent Power Management

For greater performance and higher power density in transport and non-stationary PTO applications, Intelligent Power Management boosts productivity with up to 30 additional hp. As a result, you get acceleration when you need it most, such as travelling up hill with a heavy load. Plus, refuelling stops are fewer and further between.



Roaring with efficiency – the 7R PowerTech engine line up

- 6.8 I PowerTech PSX on the 7200R and 7215R
- 9.0 I PowerTech PVX on the 7230R, 7260R and 7280R

Fulfilling Stage III B standards

To achieve Stage III B emissions compliance, John Deere pursues a combined approach to reducing exhaust: Series Turbocharger (fixed and variable geometry) on PSX engines and Variable Geometry Turbocharger (VGT) on PVX engines, Cooled Exhaust Gas Recirculation (EGR) combined with Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF).

Series Turbocharger (6.8 I PowerTech PSX engine only)

First, fresh air is drawn into the low-pressure turbocharger (fixed geometry) and compressed. Next, it is drawn into the high-pressure turbocharger (variable geometry) for additional compression. The high-pressure air is then routed through a charge air cooler and into the engine's intake manifold.

VGT (9.0 I PowerTech PVX engine only)

Fresh air is drawn in, pressurised, then routed through a charge air cooler into the engine's intake manifold.

Cooled Exhaust Gas Recirculation (EGR)

Cooled EGR lowers peak combustion temperatures and reduces nitrogen oxides (NOx) by cooling and mixing measured amounts of cooled exhaust gas with incoming fresh air.

Exhaust filters

John Deere PowerTech PVX & PSX engines use a catalysed exhaust filter that contains a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF). The DOC reacts with exhaust gases to reduce carbon monoxide, hydrocarbons and some particulate matter (PM). The downstream DPF traps and holds the remaining PM. Trapped particles are oxidized inside the DPF by a continuous cleaning process called passive filter cleaning. Even the smallest particles (down to 2.5 µm) are successfully removed.

Pioneering compliance & efficiency

A combination of factors contribute to the stunning performance and efficiency of the PowerTech PSX & PVX engine, most notably a new developed high capacity VariCool cooling system and the High Pressure CommonRail fuel system.

The Vistronic Fan cooling system

The new Vistronic Fan cooling system increases operating efficiency. It automatically adjusts fan speeds to maintain an optimum operating temperature and helps the engine respond more quickly to load changes. The new "Push Fan System" is part of the new hood design with a completely covered compartment underneath the hood. The air is pushed under pressure into the engine compartment instead of pulled. It minimises dirt and debris entering the engine compartment and keeps the radiator clean.

High Pressure CommonRail (HP-CR)

This cutting edge fuel injection system permits all relevant parameters (pressure, time, duration and multiple injection) to be constantly monitored, even at low revs, for increased running smoothness and a more rapid response to load changes.

The new designed "Push Fan System" keeps the engine cool and helps minimise dirt and debris entering the engine compartment.



Stage III B emissions compliance makes this new John Deere tractor greener than ever.

Optimal efficiency at all times

Find the right transmission to match your productivity goals. All options are easy to use and easy to learn, so even an inexperienced operator can start work without delay.

PowerQuad

A field-proven and economical transmission solution with 20 forward and 20 reverse speeds. This reliable transmission features speed matching, so the best gear is automatically selected when making a range shift. In addition, the hand declutch feature makes range shifts smoother, quicker and more comfortable. SoftShift also automatically adjusts the engine throttle to facilitate smooth gear changes.

AutoQuad

This highly customisable transmission with 20 forward and 20 reverse speeds lets you optimise in-field productivity and on-road profitability. With FieldCruise and EcoShift you can achieve up to 10% fuel savings at top transport speeds. And with the hand declutch feature on the range lever it offers you high operating comfort without pressing the clutch pedal.

AutoPowr

The AutoPowr transmission has been completely redesigned to give you maximum fuel efficiency and productivity for each application. This highly convenient transmission option with a single lever lets you shift smoothly from 0 to maximum speed with absolutely no clutching required. Just choose a specific speed and AutoPowr keeps it steady by automatically responding to changing load conditions. Further benefits include:

- Highest level of operator comfort
- Low engine rpm at maximum travel speed
- Improved fuel economy
- Enhanced engine droop to 1600 rpm
- Smooth speed changes under load and in transport
- Right or left hand reverser option
- 40 km/h or 50 km/h option



AutoQuad gear lever

Glide from one range to another without pressing the clutch pedal thanks to the hand declutch feature.



AutoPowr speed adjusting wheel

With an easy to operate thumbwheel, set the maximum forward or reverse speed for each speed band.

CommandQuad with Efficiency Manager: smooth performance, reduced fuel consumption

With John Deere's new CommandQuad transmission with Efficiency Manager, the gear and throttle work hand in hand to optimise fuel efficiency and productivity. Select the fully automated mode for maximum fuel efficiency or, for targeted speed application, the manual mode with 5 ranges and 4 powerspeeds per range.

CommandQuad Custom Mode:

Custom Mode gives you the opportunity to easily shift gears and ranges without clutching. When in multi-range mode, simply "double bump" to shift ranges. Use the range lock button to define one set speed per range.

CommandQuad Full Auto Mode:

To achieve the best possible fuel efficiency, Full Auto Mode does the thinking and shifting for you. Gear and rpm are automatically selected, depending on the load. The only input needed is the target speed, easily set via the CommandArm thumb wheel.

CommandQuad benefits at a glance:

- Reliable and easy to use
- Optimised gear/throttle interaction
- 5 ranges with 4 power speeds per range
- Convenient CommandArm control
- 42 Km/h Eco or 50 Km/h Eco option
- Optimised gear/throttle interaction
- Left hand reverser for convenient direction change



The CommandQuad transmission with Efficiency Manager delivers the optimum fuel efficiency and productivity for each application.

More power, greater flexibility

The hydraulics in the 7R Series are based on a new closed-centre, pressure and flow compensated system. The advantage of this system is fewer hydraulic parts, fewer hydraulic connections and shorter hydraulic lines. The result is more power and reliability.

3 colour-coded rear SCVs are standard and up to 6 SCVs are available*. For even more flexibility up to 3 mid-mounted SCVs can be ordered in addition. Mid-mounted SCVs can be used for front hitch application, where you can run up to 2 front SCVs, or for attaching a front loader. For convenience and ease of use, all SCVs are controlled electronically and can be operated via paddle pod or, optionally, with a joystick control.

Depending on your power needs, you have three hydraulic pump options:

- 45 cm³ hydraulic pump delivering 121 l/min.
- 63 cm³ hydraulic pump delivering 162 l/min.
- 85 cm³ hydraulic pump delivering benchmark 222 l/min

Depending on your transmission, you can draw power from an oil take-out capacity of up to 89 l. And with a 200 bar max. system pressure, you can look forward to amazing implement performance even at low engine speeds. Plus, you also save precious time and money since the high capacity hydraulic filters only need to be replaced every 1,500 hours!



*the number of rear SCV's is in combination with the right hand console limited to four.

Flexible and versatile

The 7R Series is ideally suited to heavy duty applications, including jobs like unloading large trailers.



Control the flow

The large digital CommandCenter display lets you monitor flow rates and times, keeping you in control of the hydraulic system that flows through your tractor.

Take instant action

The hydraulic centre link lets you change hitch geometry from the comfort of the cab or is easy to reach on the fenders, enabling you to make adjustments on-the-go, or easily connect and disconnect attachments

Expanded connectivity

For even more attachability and flexibility different auxiliary hydraulic connections are available including power beyond, load sense, motor return and sump couplers.

More braking power to go around

The large-diameter rear disc brakes on John Deere 7R Series tractors are designed for long-life use in the most demanding situations. Only very little pedal effort is required to get solid braking results.

Front braking for greater control

In the base version of all 7R Series tractors with 50 km/h transmission, wet disc front brakes are included for even longer durability and shorter stopping distances. These advantages can also be added as an option to your 7R with 42 km/h transmissions.

Large load braking

For towing very large loads, 7R Series tractors may also be equipped with either a complete air brake system, a hydraulic brake coupler or a combination of both. Either option allocates air or oil pressure to your brake-equipped trailer or implement.

Brake retractors

Annular pistons on the rear brake automatically retract after each braking operation to reduce friction and improve fuel economy (comes with front brake option).



Additional front braking

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

More lift, more productivity

As equipment sizes and tractor horsepower have grown, so have our hitch and drawbar options. With drawbar and ball, pick-up, piton and wagon hitches to choose from, it's easy to find solutions suited to your individual applications – from heavy front loader work to a wide range of draft applications, including ploughing and seeding. 7R Series hitches now also support wider implements, helping you further boost productivity.

Rear hitch

The 7R Series features increased rear hitch capacity to meet your heavy draft requirements. Find the hitch that delivers the lifting power you need:

- Up to 9,562 kg on 7200R, 7215R and 7230R
- Up to 10,788 kg on 7260R and 7280R

Front hitch

The optional front hitch offers a lift capacity of up to 5,200 kg and a large lift travel. Plus:

- Remote raise/lower switch
- Front ISOBUS-ready set-up
- Up to 2 SCVs
- Optional pushbar



Fully integrated front hitch

Including foldable lower links, towing device, up to 2 front SCVs, 7-pin connector and ISOBUS-ready.



Increased rear hitch capacity

Plough ahead for increased productivity with 10,788 kg rear hitch capacity on the 7260R and 7280R.

More power, more versatility

Think of the 7R Series tractors as self-contained power plants for operating power harrows, muck spreaders, slurry tanker, self loading silage wagons, big square balers – you name it! With pre-installed front and rear PTO, you'll never be at a loss for power, or choice!

Rear PTO

More choice and greater ease of use, that's our 7R Series rear PTO strategy. You get up to 3 speeds for your rear PTO, including the "E" economy speed that runs at 1730 engine rpm. For even greater operator convenience and efficiency, 3-speed PTO speeds are shiftable directly via the CommandCenter:

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

Front PTO

Get the power you need up front! Factory installed front PTO supports remote engagement as well as clockwise and counter-clockwise PTO options.



Precise application

PTO engagements are ideal for applications like baling or slurry spreading, ensuring uniform starts and stops, while protecting your implements from high torque overload.

Consistent performance

An independent 1000 rpm PTO is standard on all 7R Series tractors, ideal for consistent PTO performance on jobs such as mowing.

Robust body

The structural chassis of the 7R Series has been conceived for unprecedented power density. In other words, we have made the tractors as light and as compact as possible, for greater manoeuvrability and less soil compaction, while still delivering a maximum of power.

Whether you opt for a 7R Series tractor with a 6.8 l or a 9.0 l PowerTech engine, the chassis mounting strategy is identical. The new structural oil pan concept is particularly advantageous, enabling integrated TLS+ front support, loader mounts and a front hitch pushbar mount.

Simply put, every centimeter of the tractor body is a bundle of potency.



Amazing dexterity

New John Deere front loaders not only look better, the cast iron mounting frame design is perfectly integrated to the 7R chassis and wheels, maximising turning radius, visibility and ensures a very good weight distribution.

Ask your dealer for full details on the new loader options and attachments.

Add-on manoeuvrability

Specifically designed to fit 7R tractors the H480 loader has an outstanding reach, lift height and capacity. The new H480 loader has all hydraulic hoses integrated inside the boom to improve visibility and keep all hydraulic components protected.

Made to manoeuvre

Only 3 quick and easy steps to mount and dismount the loader safely:

- Lower/lift the Parking stands (new)
- Push in/pull out the Mounting pin (new)
- Connect /disconnect the Multicoupler, with a pressure release (new)

The H480 front loader is equipped with heavy duty cast steel pivot housings ensuring longevity of the loader during the heavy duty handling operations combined with high breakout-force and a high lift capacity of 2200 kg at full height.

More options up front

- Boom Suspension for high driving comfort
- Remote latch for easy mounting and dismounting of the attachments. In base a 3rd function enables the use of a grapple.

Optimal power density

On the field or on the road, you get more hp per litre of fuel thanks to the light compact design and powerful, robust performance.



Balanced dimensions

Despite the shorter body, one secret to 7R robustness is the longer wheelbase for greater ground stability and better road ability. To maximise performance, add the right ballast: go light for PTO and transport, but put on the weight for optimal in-field performance during heavy draft applications.



Light impact

The tyres are your tractor's connection point with the ground. The right choice of tyre is not only essential to your overall productivity but also to minimising fuel consumption. What's your crop? What are the soil conditions? How heavy is your load?

One main advantage of the 7R Series is that you can also opt for the largest 2.15 m diameter (Group 49) tyres, for greater traction in mud, higher ground clearance and minimised soil compaction.

2.15 m diameter (Group 49) tyre advantages at a glance:

- Increased productivity thanks to higher traction and the ability to be earlier in the field in wet conditions
- Lower fuel consumption thanks to less rolling resistance on the road and lighter footprint in the field
- Higher max. load at the same tyre pressure
- Higher ground clearance for less crop damage
- Less soil compaction

Not sure what the best option is for you? See your John Deere dealer for advice on the tyres you need to optimise your operations.

Less soil compaction

Compared to smaller tyres, 2.15 m diameter (Group 49) tyres allow you to use a lower tyre pressure with the same load.

Ride high

Large diameter tyres give you higher ground clearance for less crop damage.

Rear axle choices

Several axle options with 110 mm and 120 mm axle diameters ensure you can implement your preferred wheel gauge and add the optimum axle stability and reliability. For optimised transport applications, a flanged axle is also available.

Service with a smile – your own!

The 7R tractor Series provides instant access to all critical functions and parts for fast and easy daily servicing.

- Service points are reached from ground level
- A new right hand step facilitates window cleaning and easier cab access
- Sight glasses are built into most fluid cases
- Fluid fill ports and grease points are within easy reach

The engine air, cab fresh air and recirculation filters can be inspected and changed without tools. Maintenance-free bushings, bearings and drive shafts are incorporated wherever possible.

Save costs. Save effort.

Your John Deere dealer will keep your 7R Series tractor running in top condition, for instance, with Service ADVISOR diagnostics system (also remotely) for fast and reliable inspections. He uses only the best quality: John Deere parts. And he works with experts you can trust: John Deere trained service technicians.

Operator and owner friendly

- Easy maintenance and access
- Extended oil service intervals
- High reliability and low costs
- High quality of JD original parts





The John Deere Advantage

Tractor engines work at lower speeds but with a higher maximum torque. That puts extra stress on the engine and generates significant amounts of heat. Our engineers used that knowledge when they developed the new John Deere Plus-50 II engine oil – to make sure it could ideally withstand the extreme operating temperatures of agricultural applications.

As a result, oxidation is reduced to a minimum and the oil stays purer longer, and maintains optimum viscosity for up to 500 hours!

John Deere attachments: Do more work with less effort.

You spend a lot of time in your tractor. So naturally, you want it to be equipped for maximum comfort and productivity. For a comprehensive attachments brochure see your John Deere dealer.

[1]



[2]



[3]



[4]



- [1] Sunshades for front & rear window
- [2] Tool storage container-45
- [3] Plug
- [4] Monitor mounting bracket

Optimise tractor performance



Pay attention to correctly ballasting your tractor – avoid fuel waste, soil compaction, power loss and increased tyre wear.

Rear wheel ballast

Rear wheel weights can be used to increase traction on the rear of the tractor and also to counterbalance the effect of additional weight on the front axle due to a front weight support, front hitch or front loader.

Front ballast

Some ballast solution examples:

Suitcase weights (50 kg/110 lb each)
900; 1,150; 1,800 kg Pick-up weight



Specifications

	7200R	7215R	7230R	7260R	7280R
ENGINE PERFORMANCE					
Rated Power (97/68 EC) without IPM, hp (kW)	200 (147)	215 (158)	230 (169)	260 (191)	280 (206)
Maximum Power (97/68 EC) @ 1900 engine rpm without IPM, hp (kW)	220 (162)	237 (174)	253 (186)	286 (210)	308 (227)
Rated Power (97/68 EC) with IPM, hp (kW)	230 (169)	245 (180)	260 (191)	290 (213)	310 (228)
Maximum Power (97/68 EC) @ 1900 engine rpm with IPM, hp (kW)	231 (170)	247 (182)	264 (194)	297 (218)	319 (235)
Rated Power (ECE-R24) without IPM, hp (kW)	192 (141)	206 (152)	221 (162)	250 (184)	269 (198)
Maximum Power (ECE-R24) @ 1900 engine rpm without IPM, hp (kW)	211 (155)	227 (167)	243 (179)	275 (202)	296 (217)
Maximum Power (ECE-R24) @ 1900 engine rpm with IPM, hp (kW)	222 (163)	238 (175)	253 (186)	285 (210)	306 (225)
Engine Peak Torque @ 1600 engine rpm in Nm	936	1007	1077	1217	1305
Constant Power Range, engine rpm	1500	1500	1500	1500	1500
ENGINE					
Rated Speed, rpm	2100	2100	2100	2100	2100
Manufacturer	John Deere PowerTech PSX (B20 Diesel Compatible)		John Deere PowerTech PVX (B20 Diesel Compatible)		
Type	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head				
Filter, engine air	Dual stage with engine cooling fan aspiration				
Aspiration (EU Stage III B)	Dual turbochargers, variable geometry with fixed geometry in series		Single turbocharger, variable geometry		
Displacement	415 cu. In. (6.8 L)		549 cu. In. (9.0 L)		
Bore and stroke	4.19 in. (106 mm) x 5.00 in. (127 mm)		4.66 in. (118.4 mm) x 5.35 in. (136 mm)		
Compression ratio	17.2:1		16.0:1		
Lubrication	Full-pressure, full-flow filtration with bypass				
Filter, oil	Replaceable cartridge style oil filter				
FUEL SYSTEM					
Type	Electronically controlled, high-pressure CommonRail with electric fuel transfer pump (self priming)				
Filter system	Two Stage with water separator and service indicator light				
Filter, primary	10 micron replaceable cartridge w/water indication sensor and drain				
Filter, secondary	2 micron spin-on element				
TRANSMISSION					
PowerQuad Plus					
20F/20R, 42 km/h with Left Hand Reverser	Option (42 km/h @ 2090 rpm w/grp 47 tyres, 42 km/h @ 1982 rpm w/grp 48 tyres)			n/a	
AutoQuad Plus Eco					
20F/20R, 42 km/h with Left Hand Reverser and FieldCruise	Standard (42 km/h @ 1567 rpm w/grp 47 tyres, 42 km/h @ 1501 rpm w/grp 48 tyres)			n/a	
CommandQuad Eco					
20F/20R, 42 km/h with Left Hand Reverser and Efficiency Manager	Option (42 km/h @ 1567 rpm w/grp 47 tyres, 42 km/h @ 1501 rpm w/grp 48 tyres)			n/a	
20F/20R, 50 km/h with Left Hand Reverser and Efficiency Manager	Option (50 km/h @ 1865 rpm w/grp 47 tyres, 50 km/h @ 1770 rpm w/grp 48 tyres)			n/a	

	7200R	7215R	7230R	7260R	7280R
AutoPowr					
JD AutoPowr 0.05 – 42 km/h with RH or LH Reverser and FieldCruise		Option (42 km/h @ 1402 rpm w/grp 47 tyres, 42 km/h @ 1331 rpm w/grp 48 tyres)		Standard (42 km/h @ 1290 rpm w/grp 49 tyres)	
JD AutoPowr 0.05 – 50 km/h with RH or LH Reverser and FieldCruise		Option (50 km/h @ 1753 rpm w/grp 47 tyres, 50 km/h @ 1663 rpm w/grp 48 tyres)		Option (50 km/h @ 1615 rpm w/grp 49 tyres)	
ELECTRICAL SYSTEM					
Alternator/Battery	200 amps/12 Volt (two batteries in parallel)				
Total cold cranking amps	1850 (2-925CCA grp 31 batteries)				
REAR AXLES					
Rear Axle Final Drives	Inboard planetary three pinion				
100 x 2550 mm diameter (3.94 x 100.4 in.)		Standard			n/a
100 x 2808 mm diameter (3.94 x 110.5 in.)		Option*			n/a
100 x 3012 mm diameter (3.94 x 118.5 in.)		Option*			n/a
110 x 2550 mm diameter (4.33 x 100.4 in.)		n/a			Standard
110 x 3012 mm diameter (4.33 x 118.5 in.)		n/a			Option*
120 x 2550 mm diameter (4.72 x 100.4 in.)		n/a			Option
120 x 3012 mm diameter (4.72 x 118.5 in.)		n/a			Option*
335 mm Flanged Axle		Option			Option
Rear Wheel Equipment		Group 47/48 tyres available			Group 47/48/49 tyres available
* Not available for UK & Ireland					
FRONT AXLES					
1150 Series MFWD with Driveline Shield and Limited Slip Differential – tread range 60 to 88 in. (1524 to 2235 mm)	Standard				n/a
1300 Series MFWD with Driveline Shield and Limited Slip Differential – tread range 60 to 88 in. (1524 to 2235 mm)	n/a				Standard
1300 Series MFWD with Triple Link Suspension PLUS (TLS +), Driveline Shield and Limited Slip Differential – tread range 60 to 88 in. (1524 to 2235 mm)			Option		
1300 Series MFWD with Triple Link Suspension PLUS (TLS +), Driveline Shield, Hydraulic On/Off Differential Lock and Wet Disk Front Brakes, available with 40 km/h, standard with 50 km/h			Option		
STEERING					
Hydrostatic Power w/electric pump back-up	(Standard) – Load Sensing, Hydrostatic, Flow Metering with a 406 mm diameter Strg wheel				
Active Command Steering w/electric pump back-up	Variable ratio 15:1 to 23:1 (3.1 – 5.0 turns lock to lock) w/Stability Augmentation and passive tactile feedback – 345 mm diameter Strg wheel				
HYDRAULIC SYSTEM					
Type	Closed-center, PFC System (pressure & flow compensating) load sensing with dedicated axial piston type pump				
Selective control valves	3, 4, 5, 6 with CommandQuad and IVT Transmissions; 3 or 4 with PowerQuad and AutoQuad Transmissions				

Specifications

	7200R	7215R	7230R	7260R	7280R
Electro-hydraulic selective control valves		Neutral, raise, lower and float. Adjustable flow with temperature compensation. Selectable detents. Load check valves and release assistors			
Main pump, axial piston (displacement)		45 ccm standard, 63 ccm optional, 85 ccm optional		63 cc standard, 85 cc optional	
Maximum pressure, bar		204 (± 3 bar)		204 (± 3 bar)	
Rated Flow, 45 ccm pump, l/min		121		n/a	
Rated Flow, 63 ccm pump, l/min		162		162	
Rated Flow, 85 ccm pump, l/min		222		222	
Available Flow at a single SCV, l/min		132		132	
Take Out Oil Capacity		PQ and AQ is 89 Litres; CQ 85 Litres; AutoPowr is 70 or 89 Litres w/reservoir		AutoPowr is 65 or 84 Litres w/reservoir	
3-POINT HITCH – REAR					
Type		Electro-hydraulic with full electronic lower link draft sensing. Hitch dampening. External fender mounted control switches			
Category 3/3N with Ball/Hook Style Ends, kg		Standard		n/a	
Available w/ Sway Blocks, Mechanical and Deluxe Sway Stabilizers		6,092/7,734 Maximum Hitch Lift Capacity*			
Category 3/3N with Ball/Hook Style Ends, kg		Optional		Standard	
Available w/ Sway Blocks, Mechanical and Deluxe Sway Stabilizers		6,895/9,562 Maximum Hitch Lift Capacity*		6,895/9,562 Max Hitch Lift Capacity*	
Category 3/3N with Ball/Hook Style Ends, kg		n/a		Optional	
Available w/ Sway Blocks, Mechanical and Deluxe Sway Stabilizers				7,847/10,788 Max Hitch Lift Capacity*	
*1st number is substained lift capacity at 610 mm behind coupler jaw with center link in top hole, 2nd number is measured at the coupler jaw					
3-POINT HITCH – FRONT					
Standard lift capacity		Cat. 3/3N Hitch, 5,200 kg Lift Capacity Standard Cat. 3/3N Hitch, 5,200 kg Lift Capacity Ground Engaging Optional			
REAR-PTO					
PTO Clutch		Independent oil cooled multiple disc Standard / n/a UK and Ireland			
45 mm (1 3/4"), 20-spline, 1000 rpm		Optional			
45 mm (1 3/4"), 20-spline, 1000 rpm with					
38 mm (1 3/8"), 6-spline, 540/1000 rpm gearcase		Optional / n/a UK & Ireland			
45 mm (1 3/4"), 20-spline, 1000 rpm with					
38 mm (1 3/8"), 6- and 21-spline, 540E/1000/1000E rpm gearcase		Optional			
45 mm (1 3/4"), 20-spline, 1000 rpm with					
38 mm (1 3/8"), 6- and 21-spline, 540/540E/1000 rpm gearcase					
PTO Speed @ Engine RPM		(540/1000 PTO rpm @ 1950 engine rpm) (540E/1000E PTO rpm @ 1750 engine rpm)			
FRONT-PTO					
Independent Front with		Option			
45 mm (1 3/4"), 20-spline, 38 mm (1 3/8"), 6- or 21-spline, 1000 rpm					
CAB					
Drivers ear noise level (77/311/EEC), dB(A)	70	70	74	74	74
Cab Glass Area, m ²		6.52 – w/CommandQuad andAutoPowr Transmissions			
Cab Volume, m ³		3.597 – w/ CommandQuad and AutoPowr Transmissions			

	7200R	7215R	7230R	7260R	7280R
MISCELLANEOUS					
AutoTrac Ready			Standard		
Modular Wireless Gateway (MWG)			Optional (JD Select or JD Ultimate); Promotion includes JD Ultimate subscription for 1 year		
ServiceADVISOR Remote			Capable with MWG JD Ultimate		
ISOBUS Implement Connection			Standard (ISO 11783)		
CommandCenter Video (available with TouchScreen only)			Single video input for camera with PAL & NTSC signal		
Immobilizer			Optional		
CAPACITIES					
Fuel Tank, PowerQuad Transmission, l	504	504	504	n/a	n/a
Fuel Tank, AutoPowr, G47/48, l	524	524	524	524	524
Fuel Tank, AutoPowr, G49, l	n/a	n/a	n/a	544	544
Cooling System, l	35	35	39.5	39.5	39.5
Crankshaft oil volume, l	24.5	24.5	27	27	27
Transmission-Hydraulic system, PQT, AQ and CQ, l	192.7	192.7	192.7	n/a	n/a
Transmission-Hydraulic system, AutoPowr, l	189.3	189.3	189.3	187.7	187.7
WHEELBASE					
MFWD / TLS, mm	2925	2925	2925	2925	2925
Turning Radius* – 600/70R30 group 43 tyres @ 74.1" spacing TLS, m	6.7	6.7	6.7	6.7	6.7
*See Operator's Manual for other tyre spacing and turn radii					
DIMENSIONS AND WEIGHTS					
Width x Height x Length, mm	2544 x 3313 x 5278*	2544 x 3313 x 5278*	2544 x 3313 x 5278*	2544 x 3313 x 5278*	2544 x 3313 x 5278*
			*measured with flanged axle, up to cab roof, from front weight support to drawbar		
With rear tire size (tire size optional available)	710/70R42	710/70R42	710/70R42	710/70R42	710/70R42
Average Standard Weight less front weights					
TLS/AutoPowr/1 – 205 kg inner weight/front support/hooks with sway blocks/3 in 1 hitch rails with wagon hitch/shipping fuel 650/85R38 singles & 540/65R34 fronts, kg	10,181	10,181	10,285	10,552	10,552

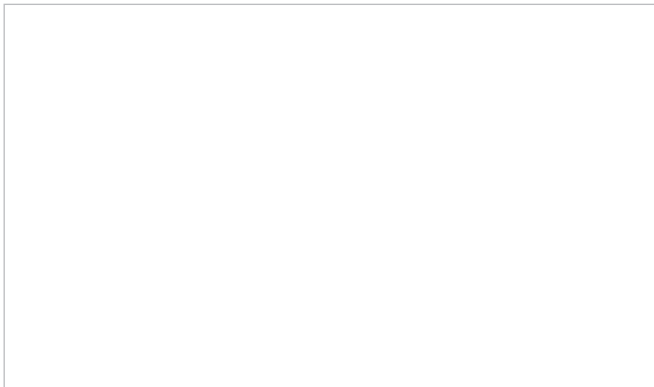
We do it all for you

We have solutions to your challenges! John Deere is committed to keeping you up and running. That's why our products and technologies are quality-built, state-of-the-art and efficient.

We've invested generously in building an effective dealer network so we can be like a good neighbour – there to help when you need us.

That's why all our dealer employees are John Deere trained. They know every nut and bolt on your equipment and they're skilled at diagnosing any potential problems.

Count on John Deere for all your tractor needs. With nearly 175 years of experience in the farm equipment business, we can honestly say: Reliability is our Strength.



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"Take the credit for buying the best"

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