

6R



JOHN DEERE

NOTHING RUNS LIKE A DEERE

THE NEW 6R DRIVING EXPERIENCE

With its new in-base Sport Package, all 6R models now offer an enhanced cab experience and completely new road driving dynamics. Our 6R tractors also feature cutting-edge automation for effortless site-specific farming thanks to 1-Click-Go-AutoSetup, and every 6R is a robust, low-weight, performance solution with supreme pulling power.

The G5/G5^{Plus} CommandCenter™ features a massive high-definition screen, a high-speed processor, and new Precision Ag features: AutoPath™ (Boundaries), Satellite Map View and ISOBUS Multi VT.



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GO SMART, DO MORE.

NOTABLE FEATURES

Every 6R tractor is designed and engineered to be the most versatile, light and powerful constituent of your workforce – built to overcome the diverse challenges presented by terrain, prevailing conditions and operational windows.

DOES IT ALL

Whether you're a livestock farmer, arable farmer, mixed farmer or a contracting business – one of our 6Rs was made for you.



1 | 1-CLICK-GO-AUTOSETUP

Reduce in-field setup time by up to 50%: Tasks planned in the John Deere Operations Center™ automatically appear on the G5/G5^{Plus} CommandCenter™ when entering the field – just one click confirms the details to start working.

2 | NEW SPORT PACKAGE IN BASE

The new Sport Package, standard on all 6R Series tractors, delivers an enhanced cab experience and superior on-road handling dynamics.

3 | PROVEN FUEL EFFICIENCY

The DLG-PowerMix-Test 2.0 (Field applications) confirmed the low fuel consumption of the 6R 150 with only 274 g/kWh Diesel and 8 g/kWh DEF.¹

4 | NEW G5/G5^{Plus} COMMANDCENTER™

Our largest screen ever. More space for your information. A faster processor for shorter boot-up times. All in glorious HD.

5 | ALWAYS UP-TO-DATE

JDLink™ enables remote servicing and operator support, and our regular over-the-air software upgrades ensure your tractor always has the latest updates.

6 | LOW COST OF OWNERSHIP

Low fuel consumption, low maintenance and repair costs and a very strong resale value guarantee the best value for your money.

7 | ENGINE PERFORMANCE

The 4.5 l or 6.8 l John Deere engines with up to 301 hp give you maximum power at reduced operating costs.

8 | TRANSMISSIONS

Extra convenient, super efficient & powerful DirectDrive and efficient stepless AutoPowr™.

9 | SMARTER HYDRAULICS

Smarter Intelligent Power Management for up to 40 additional HP in hydraulic applications and up to six rear selective control valves (SCV's) with up to 195 l/min hydraulic flow for top productivity.

10 | OUTSTANDING CAB

Extra spacious and very quiet 71 dB(A) cab, manufactured to automotive industry standards.

11 | COMMANDPRO™

Perfect ergonomics, driving strategy and reconfigurability.

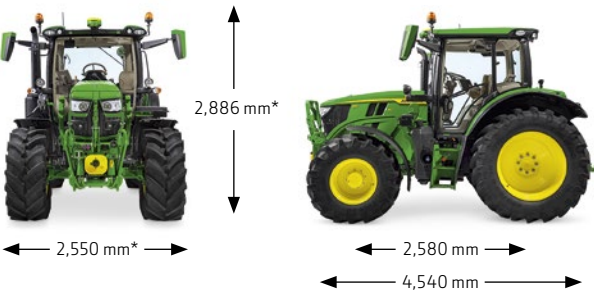
12 | COMFORT

TLS™ Plus front axle suspension and HCS Plus cab suspension work together to provide the best ride & drive experience.

¹ Profi 02/2023 (www.profi.de)



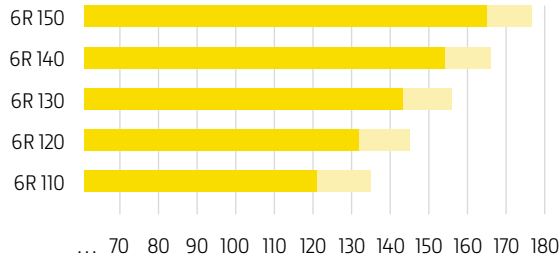
**SMALL FRAME:
COMPACT, LIGHT AND POWERFUL**



* With 540/65R24 front tyres and 600/65R38 rear tyres

6,500 KG**

ENGINE PERFORMANCE



■ Max. power (ECE-R120), hp
■ Max. power with IPM (ECE-R120), hp

** With average specifications



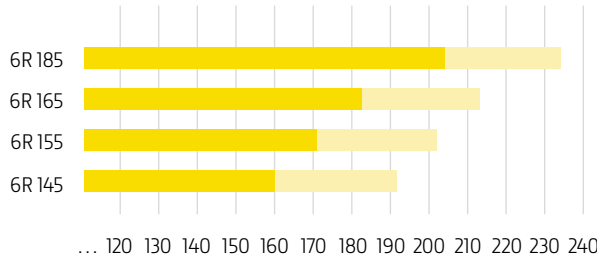
**MID FRAME:
ULTIMATE VERSATILITY
AND PERFORMANCE**



* With 540/65R30 front tyres and 650/65R42 rear tyres

7,900 KG**

ENGINE PERFORMANCE

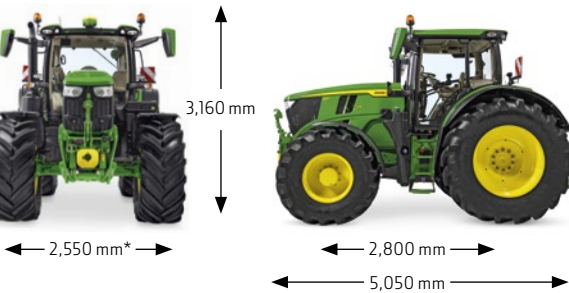


■ Max. power (ECE-R120), hp
■ Max. power with IPM (ECE-R120), hp

** With average specifications



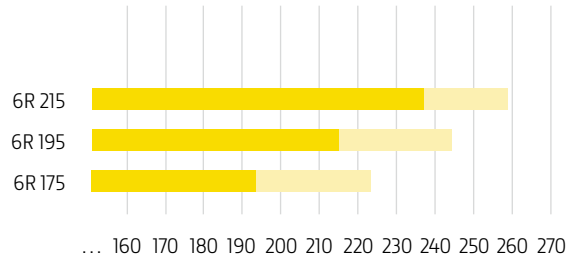
**LARGE FRAME:
THE POWER TO PERFORM**



* With 600/70R30 front tyres and 800/70R38 rear tyres

8,600 KG**

ENGINE PERFORMANCE

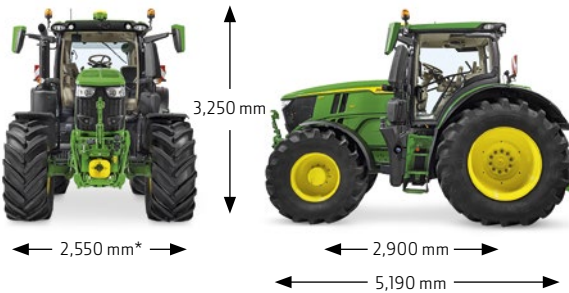


■ Max. power (ECE-R120), hp
■ Max. power with IPM (ECE-R120), hp

** With average specifications



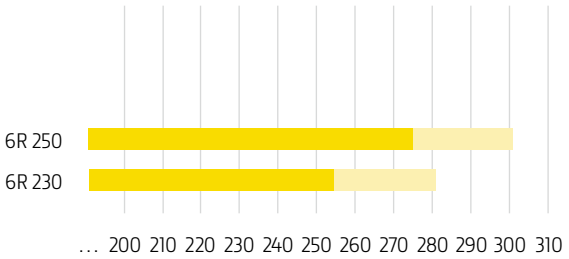
**XTRA-LARGE FRAME:
POWERFULLY TOUGH**



* With 600/70R30 front tyres and 800/70R38 rear tyres

9,500 KG**

ENGINE PERFORMANCE



■ Max. power (ECE-R120), hp
■ Max. power with IPM (ECE-R120), hp

** With average specifications

6R SMALL FRAME TRACTORS

COMPACT, LIGHT AND POWERFUL

Experience the versatility of this unique high-horsepower 4-cylinder compact tractor. This true front loader expert features our Dynamic Weighing System so that you'll enjoy loading your feed wagons faster and with more precision than ever.



"THE JOHN DEERE 6R 150 IMPRESSED US WITH ITS LOW DIESEL CONSUMPTION AND VERY GOOD PERFORMANCE CHARACTERISTICS."

PROFI 02/2023 (WWW.PROFI.DE)

ENGINES

	6R 110	6R 120	6R 130	6R 140	6R 150
Cylinders	4	4	4	4	4
Displacement (l)	4.5	4.5	4.5	4.5	4.5
Max. power (ECE-R120), hp (kW)	121 (89)	132 (97)	143 (105)	154 (113)	165 (121)
Max. power with IPM (ECE-R120), hp (kW)	135 (99)	145 (107)	156 (115)	166 (122)	177 (130)
AutoQuad™ Plus/AutoQuad™ Plus Ecoshift	■	■	■	■	—
AutoPowr™	□	□	□	□	■

■ base □ optional — not available



"NOT ONLY HANDLES WELL ON THE ROAD AND IN THE FIELD, BUT WE ARE SURPRISED BY HOW WELL-DEVELOPED THE MORE ADVANCED FRONT LOADER FUNCTIONS ARE."

TREKKER 02/2023
(WWW.TREKKERMAGAZINE.NL)

BEST ALL-ROUNDER AND NO. 1 IN WEIGHING¹

The rugged John Deere full frame design, their high-maneuvrability short wheelbase, and up to 155 l/min hydraulics (Optional for 6R 130-6R 150) predestine the 6R Small Frame models for loader work. Reach new levels of productivity with the R Series loaders, featuring a dynamic weighing system, return-to-position and level-to-horizon.



BEST ALL-ROUNDER¹

Higher lift capacity, 4 tons of payload, and larger, 650/65 R 38 tyres for less compaction: The 6R 150 is ready for any job. Even better: The best all-rounder is also the most fuel-efficient, as observed in recent independent tests.



MOST FUEL-EFFICIENT 4-CYLINDER TRACTOR WITH IVT²

"IT GETS EVEN BETTER FOR TRANSPORT. AT 375 G/KWH AT 40 KM/H, THE 6R IS NOT ONLY THE MOST FUEL-EFFICIENT FOUR-CYLINDER, BUT IT IS ALSO AMONG THE BEST 5 TRACTORS WE HAVE EVER TESTED."

PROFI 02/2023 (WWW.PROFI.DE)

¹ Trekker 02/2023 (www.trekkermagazine.nl)
² Stepless transmission (AutoPowr™)

6R MID FRAME TRACTORS

ULTIMATE VERSATILITY AND PERFORMANCE

In our 6R 185, you will command up to 234 hp with IPM in a lightweight, 7.9-ton mid frame envelope with unmatched fuel efficiency in transport.

“PER BALE, THE 6R 185 HP TRACTOR CONSUMED 0.42 L/BALE DIESEL. THAT’S LOW, AND CORRESPOND TO AN HOURLY CONSUMPTION OF 18.4 L/H”

TRACTION 04/2022
(WWW.TRACTION-MAGAZINE.DE)

18.4 L
PER HOUR

0.42 L
PER BALE

7 HOURS

44
BALES
PER HOUR

750 KG
AVERAGE
BALE WEIGHT

8 LAYERS
OF FILM
PER BALE

25 KNIVES
ENGAGED

4 FIELDS



SMARTER IPM

Smarter Intelligent Power Management (IPM) with up to 40 additional hp on demand keep the tractor performance consistent in applications with power-hungry hydraulic-driven implements and earned a nomination at the 2022 Elmia Innovation Awards.

TRANSPORT MASTERS

The 6R 165 and 6R 185 are light-weight, high-horsepower 6-cylinder models that extend our mid-frame lineup with two superb transport specialists.

“THE DLG POWERMIX TEST 2.0 CONFIRMED THAT, WITH THE 6R 185, JOHN DEERE HAS SUCCEEDED IN CREATING A RESPONSIVE TRANSPORT TRACTOR [...] THESE ARE TOP RESULTS”

TRACTION 04/2022 (WWW.TRACTION-MAGAZINE.DE)



ENGINES

	6R 145	6R 155	6R 165	6R 185
Cylinders	6	6	6	6
Displacement (l)	6.8	6.8	6.8	6.8
Max. power (ECE-R120), hp (kW)	160 (117)	171 (125)	182 (133)	204 (150)
Max. power with IPM (ECE-R120), hp (kW)	192 (141)	203 (149)	213 (157)	234 (172)
AutoQuad™ Plus/AutoQuad™ Plus Ecoshift	■	■	–	–
DirectDrive	□	□	■	–
AutoPowr™	□	□	□	■

■ base □ optional – not available

6R LARGE FRAME TRACTORS

THE POWER TO PERFORM

Officially efficient: Contractors prefer these tractors for their outstanding efficiency¹, top on-road performance, and the rock-solid, comfortable ride in all heavy-duty applications.



ENGINES

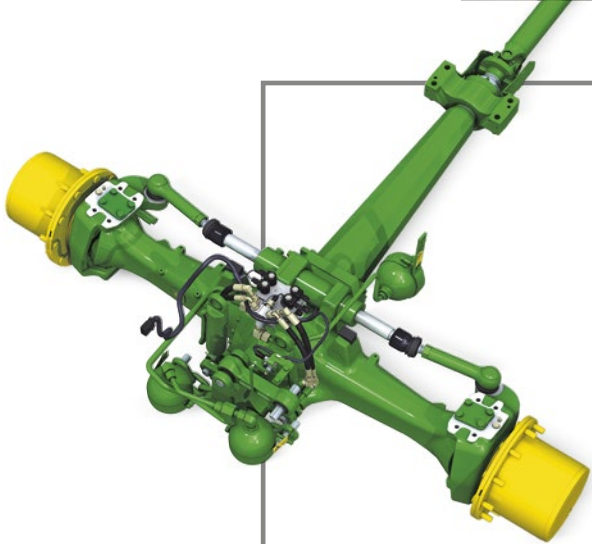
	6R 175	6R 195	6R 215
Cylinders	6	6	6
Displacement (l)	6.8	6.8	6.8
Max. power (ECE-R120), hp (kW)	193 (142)	215 (158)	237 (174)
Max. power with IPM (ECE-R120), hp (kW)	223 (164)	244 (180)	259 (190)
AutoQuad™ Plus/AutoQuad™ Plus Ecoshift	■	■	■
DirectDrive	□	□	□
AutoPowr™	□	□	□

■ base □ optional – not available

¹ As recently confirmed for the 6215R in the Schleppertest 2020 by the Chamber of Agriculture Lower Saxony (Germany)

6R 215: OFFICIALLY NO. 1

At only 19.2 l/h, the 6R 215 achieved the lowest diesel consumption in the test¹ and delivered the quickest acceleration pulling 30-ton trailers¹ – outperforming competitors in the 250 hp test with a cost advantage of at least 2.40 €/h².



RIDE IN COMFORT

The optional TLS™ Plus is a fully integrated, self-levelling front suspension to increase both transport and field productivity with superior stability, ride and comfort.

ELECTRONIC CONTROL

The electronic joystick enables you to reconfigure hitch control, all SCV's, ISOBUS functions and the PowrReverser™ for convenient and efficient one-handed control of essential tractor functions.



¹ Chamber of Agriculture Lower Saxony (Germany) tractor test
² "Comparing standard tractors (without Unimog) the John Deere achieved the lowest diesel consumption. [...] It is interesting that, despite the low fuel consumption, the 6R 215 was also the fastest when accelerating with two trailers" – Chamber of Agriculture Lower Saxony (Germany) Tractor Test 2020; www.lwk-niedersachsen.de

6R XTRA LARGE FRAME TRACTORS

POWERFULLY TOUGH

More power all around, and a 100 mm longer wheelbase with 2.05 m tyres to get the tremendous power of these models to the ground with total efficiency.



ENGINES

	6R 230	6R 250
Cylinders	6	6
Displacement (l)	6.8	6.8
Max. power (ECE-R120), hp (kW)	253 (186)	275 (202)
Max. power with IPM (ECE-R120), hp (kW)	281 (206)	301 (222)
AutoPowr™	■	■

■ base □ optional – not available



JOHN DEERE 6R 250 WINS THE BATTLE OF THE TITANS²

In their most comprehensive tractor multi-test to date, TREKKER MAGAZINE (10/2023) compared seven tractors in the 300 hp category: the CLAAS Axion 870, the Deutz-Fahr 8280 TTW, the John Deere 6R 250, the Massey Ferguson 8S.285, the McCormick X8.631, the New Holland T7.300, and the Valtra Q285. The 6R 250 not only won, but also received many enthusiastic accolades.

THE FAVOURITE ON THE ROAD¹

In multiple trials on a 14.3-kilometre test route with a 20.5-ton trailer, the 6R 250 impressed the test team with the lowest diesel consumption and the highest speed when driving up a steep slope with a loaded trailer.²

“JOHN DEERE OFFERS THE BEST OVERALL PACKAGE ON THE ROAD OF LOW NOISE LEVEL, COMFORTABLE SUSPENSIONS, AND ENGINE-TRANSMISSION MANAGEMENT.”

PROFI 12/2023 (WWW.PROFI.DE)



“AGAIN: KUDOS FOR THE FANTASTIC SOFTWARE THAT CONTROLS THE ENGINE AND TRANSMISSION.”

TREKKER 10/2023
(WWW.TREKKERMAGAZINE.NL)

THE FAVOURITE IN THE FIELD¹

“THE TRACTOR IS QUIET, AND THE COMFORTABLE SEAT CAN BE INFINITELY SWIVELLED FROM LEFT TO FAR TO RIGHT TO HAVE A GOOD VIEW ON WHAT’S HAPPENING BEHIND YOU.”

TREKKER 10/2023
(WWW.TREKKERMAGAZINE.NL)



¹ TREKKER 10/2023 (www.trekkermagazine.nl)
² TREKKER 09/2023 (www.trekkermagazine.nl)

FARM SMART, PROFIT MORE

ALL INCLUSIVE FOR A FAST START

John Deere Precision Ag Technology is easy to use and helps you plan, monitor, execute and analyse every stage of your farming operation. Guidance solutions, automation systems and site-specific farming create many opportunities to improve your farming efficiency while boosting your sustainability and profitability.

With the optional StarFire™ 7000 receiver, the G5/G5^{plus} CommandCenter™ and JDLink™ connectivity, the 6R has everything you need for a quick start with precision agriculture already on board in base model. Add the free John Deere Operations Center™ and you are ready to go.



NEW G5 AND G5^{plus} COMMANDCENTER™

The G5 and G5^{plus} CommandCenter™ bring you full HD resolution, additional memory, increased processing power and are among the most advanced displays available.

Already larger than its predecessor, the John Deere G5 CommandCenter™ features a 10.1" screen. At a massive 12.8", the G5^{plus} CommandCenter™ offers about 35% more visual space and comes standard with AutoTrac™ and Section Control.

Featuring full AEF ISOBUS compatibility, the G5 and G5^{plus} CommandCenter™ retain the reliable and familiar user interface from Generation 4 Displays and combine the latest tech with a familiar user interface to deliver an immediate performance boost without the need to re-learn anything.



5 YEARS OF REPEATABILITY
73% FASTER PULL IN TIME*
17% MORE ACCURACY WITH* SF-RTK

NEW STARFIRE™ 7000 RECEIVER

We've just made it easier and more attractive for you to work at higher accuracy levels. Now you not only get a receiver – the Operations Center also gives you an entire suite of guidance and agronomy offboard farm management tools. Thanks to the receiver's ability to communicate with GPS, GLONASS, and the new GALILEO and BEIDOU satellite constellations, you'll enjoy superior signal stability in shaded areas at any signal accuracy level.

While our standard SF1 differential correction signal is suitable for many applications, we didn't stop there. With our new StarFire™-RTK Satellite signal, you benefit from 2.5 cm pass-to-pass accuracy, over five years of precise repeatability, and rapid initialization to acquire full accuracy without the cost of previously required RTK components and activations. Choose from SF1, SF-RTK, Mobile RTK and Radio RTK correction signals depending your requirements.

* Compared to SF3 Signal

1-CLICK-GO-AUTOSETUP

CUT SET-UP TIME BY UP TO 50%

Are you fed up with scribbling notes and wasting time clicking on displays? With 1-Click-Go-AutoSetup, you can reduce in-field setup time by up to 50%: your preplanned work tasks in the John Deere Operations Center™ automatically appear on the G5/G5^{Plus} CommandCenter™ when a machine with JDLink™ connectivity enters the field. All the operator has to do is confirm the details with one click, and they're ready to go¹.

1-CLICK-GO[®] AUTOSETUP

SIGN UP FOR A FREE ACCOUNT AT
[OPERATIONSCENTER.DEERE.COM](https://www.operationscenter.deere.com)



Variable application maps from affiliated software companies

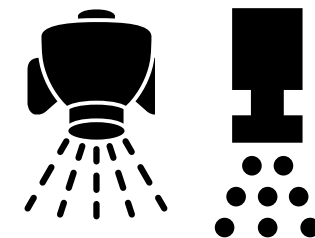


**JOHN DEERE
OPERATIONS
CENTER™**

The free John Deere Operations Center™ is the interface to your machines and fields



The 6R already has the necessary hardware in its basic configuration and just needs a StarFire™ receiver



Site-specific application with Section Control for up to 255 sections on your implement

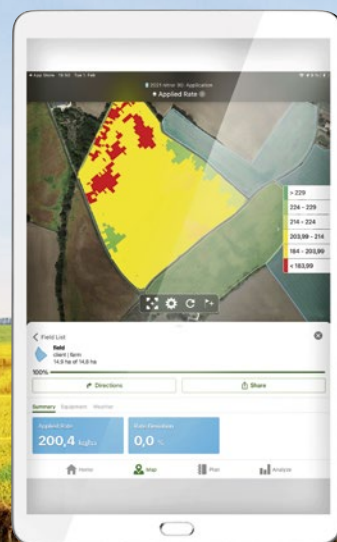
Wirelessly send tasks to the tractor via JDLink™ connectivity to make sure the work gets done the way you want – no mistakes, no delays, and always properly documented.



¹ Machine must be equipped with a Gen 4 or G5 CommandCenter™ or Universal Display (with minimum SU20-3 Software), StarFire™ 3000/6000/7000 receiver, JDLink™ connectivity and a John Deere Operations Center™ account. If not already equipped with a JDLink Modem (4G) a retrofit is required.

BOOST YOUR YIELD WITH SITE-SPECIFIC FARMING

Put the right seed in the right place at the right depth for successful germination. Then apply exactly the right amount of care. John Deere Precision Ag Technology is your ticket to the benefits of site-specific farming.



SECTION CONTROL

Reduce overlap and minimise skips to ensure precise crop protectant and nutrient application with Section Control – for up to 255 sections on your implement.



VARIABLE RATE CONTROL

Optimise your profits with variable-rate application. Increase fertiliser, seeding, and chemical efficiency while boosting yield and reducing costs. Standard with the G5^{Plus} CommandCenter™.



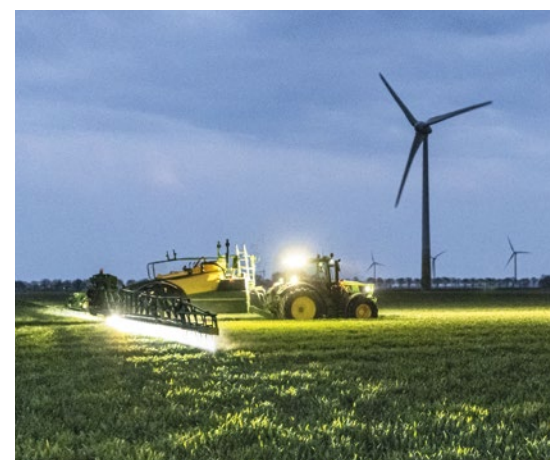
PLANT/SEED

In your business, every seed counts. With a 6R, you can customise seeding rates for different zones in the field based on a prescription map to boost yield and lower input costs.



NURTURE

Optimising your yields while managing fertiliser costs has never been easier. Use the 6R's Precision Ag capabilities like Variable Rate and Section Control to apply the right amount of fertiliser at the exact right spot in the field based on a prescription map.



SPRAY BETTER

Every drop goes where it matters most when you're on a 6R tractor with a John Deere Sprayer. Achieve the highest spraying accuracy on every pass, thanks to our unique PowrSpray™ and Individual Nozzle Control technology.



KNOW MORE, GROW MORE

Make better decisions based on better information from the John Deere Operations Center™: Powerful management tools let you monitor your machines' productivity and analyse your crops' performance. Supported by dealer specialists, you will improve your farming sustainability and profitability.

NEXT-LEVEL AUTOMATION

On top of all premium features, you will also enjoy higher productivity from our advanced licences like AutoTrac™ Turn Automation, AutoTrac™ Implement Guidance Passive, AutoPath™, MachineSync, and In-Field Data Sharing.

AUTOTRAC™ TURN AUTOMATION

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



Compared to the SF3 signal, the new StaFire™-RTK Satellite Signal delivers RTK accuracy, 5 year repeatability and fast initialization at lower entry costs and with no additional hardware required.



MACHINE SYNC

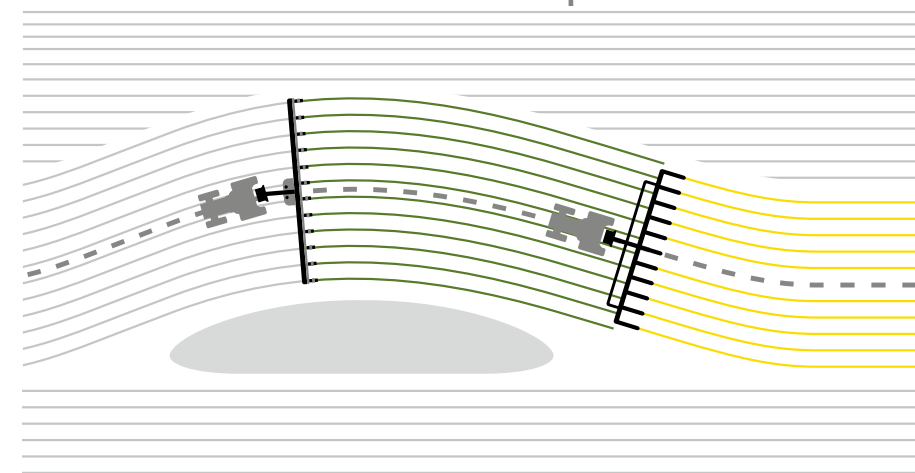
Wirelessly network multiple machines with one machine serving as the leader for precise, spill-free unloading on the go and improved harvest logistics.

IN-FIELD DATA SHARING

With In-Field Data Sharing you can share maps and guidance lines and review the performance of up to six machines working in the same field.

AUTOPATH™

When you use different-width implements for planting, fertilizing, spraying, or harvesting, AutoPath™ (rows) ensures your tyres always follow planted rows. On strip-till, AutoPath™ (rows) allows you to precision-plant and guides the machine during harvesting. AutoPath™ (boundaries) calculates guidance lines for the entire field and facilitates precision seeding. As a result, every operator will use the correct guidance line setup for all production steps.



AUTOTRAC™ IMPLEMENT GUIDANCE

Prevent pull-type implement drift in rolling terrain to achieve perfect pass-to-pass results without gaps and overlaps. This is an easy-to-install, low-investment package for consistent seed placement and crop growth.





"IN TERMS OF CAB COMFORT, JOHN DEERE IS HARD TO BEAT."

"69.7 DB(A) IS A BENCHMARK, AS ARE FIT AND FINISH AND THE HUGE AMOUNT OF SPACE."

PROFI 02/2023 (WWW.PROFI.DE)

MAXIMUM ROOMINESS

CAB COMFORT

Sit back, look all around, and enjoy an ultra-comfortable workspace. This spacious cab gives you clear views in every direction with easy-to-reach controls.



1 | DOORS YOU DON'T SEE

Our panorama doors don't look like much. That's a good thing. You'll enjoy the unobstructed view through them. A left-hand side B-post version is also available.



2 | STORAGE TO UNCLUTTER YOUR CAB

Our storage box gives you convenient access to items you want to bring along. Instead of it, we also have a small fridge available that fits the space.



3 | SMARTPHONE HOLDER FOR A SECURE HOLD

A practical holder for your smartphone always keeps it within reach and secures it safely.

"IN COMBINATION WITH THE FRONT AXLE SUSPENSION, THE TRACTOR REMAINS AS STABLE AS A BOARD ON THE ROAD, EVEN AT A TOP SPEED OF 50 KM/H."

LOHNUNTERNEHMEN 11/2024
(WWW.LU-WEB.DE)

THE NEW 6R EXPERIENCE

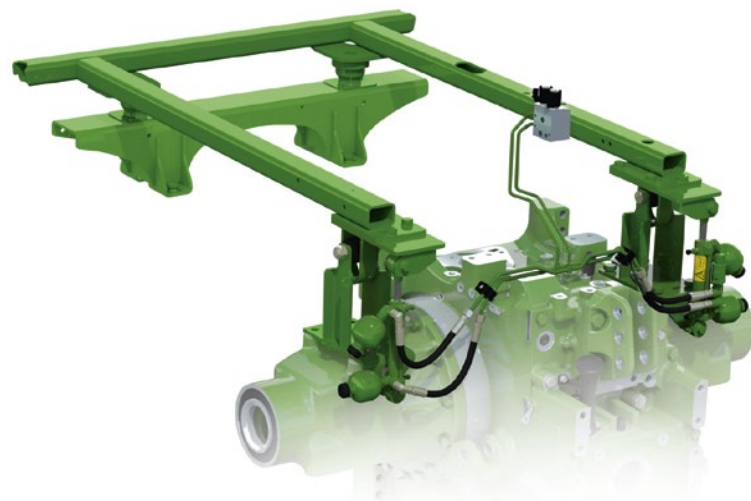
RIDE COMFORT

The new Sport Package, standard on all 6R tractors, delivers an enhanced cab experience and superior road handling dynamics. The Triple Link Suspension Plus guarantees optimum traction and field performance with up to 10% more power to the ground and also enhances operator comfort and productivity while reducing fatigue. Variable Ratio Steering improves in-field manoeuvrability.



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.



SPORT PACKAGE

Because every driver deserves the best driving experience, all new 6R models now have the Sport Package as standard. Alongside the 6R's outstanding cab roominess and comfort, we made several key updates to enhance road handling and performance:

- Redesigned steering column for more direct, accurate and sporty steering.
- Smaller leather steering wheel that improves steering precision and agility (6R 230 and 6R 250 only).
- New adjustable damping system for Premium and Ultimate Seats for a smoother ride.
- Wider rims that improve linear roll behaviour and stability give you better road control.

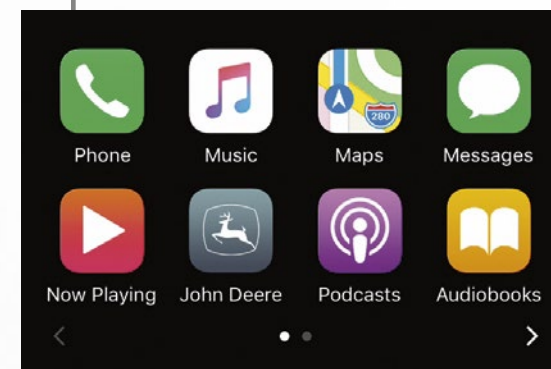


PERFECTED OUT DOWN TO THE LAST DETAIL

In this cab, you won't miss a thing. The 6.5" high-resolution touchscreen infotainment system delivers a rich media experience with many options while you relish the comfort of the updated Dual Motion Seat.

AUDIO AND INFORMATION SYSTEM

Conveniently mounted in the headlining you get an abundant choice of entertainment options. The multi-function touchscreen system includes a radio with DAB+, aux input, Bluetooth® with voice control and is business band ready.



You can use it as a standalone system or pair it with your smartphone to make hands-free calls, listen to your favourite music or read text messages. It also has Apple Carplay™, a smarter, safer way to use your iPhone when driving that includes Siri voice control.



SURROUND SOUND QUALITY

Specially created by professional acoustic engineers, the 6R Series sound system fills the cab with crystal clear sound that's rich in detail and will bring to life your favourite songs, podcasts and audiobooks.

DUAL MOTION SEAT

Now with improved suspension, this extra comfortable seat is available as an option. The upper backrest section rotates as drivers turn around, providing back support while enabling enhanced visibility to the rear.



INTUITIVE CONTROL

COMMANDARM™

The 6R Series makes sophisticated agricultural technology easy to operate. Everything is within easy reach, and our touchscreen John Deere CommandCenter™ features fluid navigation with shortcuts and context-sensitive help.



**1080P HIGH
DEFINITION
35% LARGER
75% FASTER**

G5 COMMANDCENTER™

The 10.1" G5 CommandCenter™ features a faster processor for shorter boot-up times and delivers your information in extra crisp high definition. All 6R models with right-hand consoles and all 6R 4-cyl. models with CommandARM™ come standard with the G5 CommandCenter™.

G5^{PLUS} COMMANDCENTER™

As our largest screen ever, the 12.8" G5^{PLUS} CommandCenter™ offers a lot more space for your information. It comes standard on all 6R 6-cyl. models with CommandARM™, and is available as an option for 6R 4-cyl. models with CommandARM™.

EASY MENU NAVIGATION

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



G5^{PLUS} EXTENDED MONITOR

The G5^{PLUS} Extended Monitor doubles the already massive 12.8" screen of the G5^{PLUS}, so you can monitor more functions simultaneously and have direct access to make adjustments when needed. You could, for example, view vehicle control functions on your primary display and Precision Ag applications on the Extended Monitor. Thanks to ISOBUS you enjoy a seamless user interface with no need for an additional display for 3rd party implements.

ELECTRONIC JOYSTICK

You will appreciate joystick-reversing and joystick-shifting for an optimal loader experience. The joystick is completely reconfigurable and controls all SCVs, front hitch and even ISOBUS functions.

ISOBUS – AEF CERTIFIED

With Universal Terminal (UT), you can operate implements, plus Multi VT, to view two ISOBUS devices on a split screen. Task Controller Section Control (TC-SC) allows individual control of up to 255 sections, while TC-BAS and TC-GEO enable basic and geo-referenced ISOXML documentation, respectively. AUX-N provides universal compatibility to the tractor joystick and CommandPRO™.





LIGHT UP THE NIGHT

VISIBILITY

Nature has never respected normal working hours. Keep your operations productive even at night, with 360° visibility provided by up to 12 cab lights.

Working after dark is nothing new to you. But now you can see your fields in a whole new light. Our factory-installed lighting packages cast the best light to work by all around your 6R Series. Or make working the night shift more productive than ever with our LED lighting packages. They consume less power, deliver brighter, daylight-quality light and go the distance.

PRE-SETS FOR PRODUCTIVITY

Programming the G5/G5^{Plus} CommandCenter™ for perfect night work lighting couldn't be easier.



SELECT LIGHT PACKAGE

- 1 | Six front grill-mounted halogen lights
- 2 | Eight cab roof mounted halogen lights
- 3 | Two beltline mounted turn lights
- 4 | Two fender mounted brake and turn lights

PREMIUM LIGHT PACKAGE

- 1 | Six front grill-mounted halogen lights
- 2 | Twelve cab roof mounted halogen lights (ten if combined with panorama roof selected)
- 3 | Two beltline mounted turn lights
- 4 | Two fender mounted brake and turn lights
- 5 | Two fender mounted halogen lights
- 6 | Footsteps lights on both sides

ULTIMATE LIGHT PACKAGE

Same number of lights as in premium package. Halogen lights replaced by LED (2 low beam road lights).

OPTIONAL

- 7 | Two belt line work lights (Halogen or LED)
- 8 | Two Belt line road lights (H4)
- 9 | Single or dual beacon



Work lights are cleverly integrated into the front, rear and sides of the roofline to prevent damage from low branches.

POWER WITHOUT LIMITS

ENGINES

Get all the power you need with less fuel and lower emissions from our renowned 4.5 l 4 cyl. engine or the 6.8 l 6 cyl. engines (Stage V compliant). All our 6 cyl. engines feature extended drain intervals of up to 750 hours.¹

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)

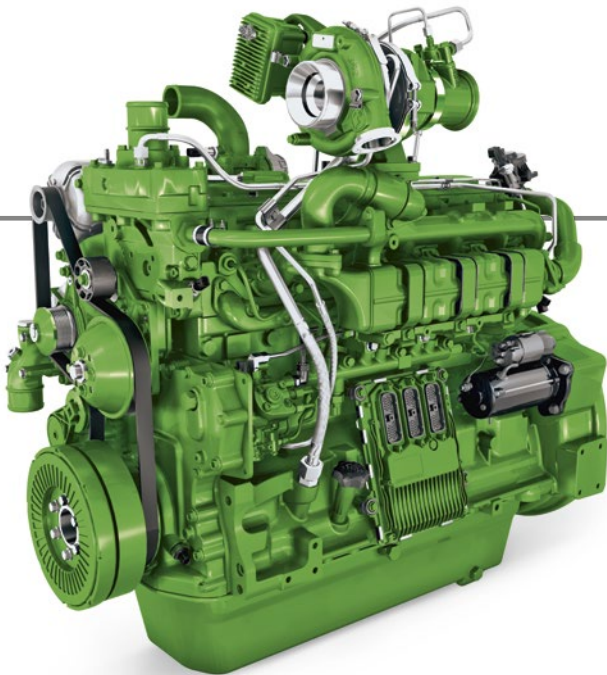
Precise amounts of cooled exhaust gases are mixed with incoming fresh air, lowering combustion temperatures. This leads to less NOx output from the engine and more efficient timing, which promotes both fuel and DEF economy.

SELECTIVE CATALYTIC REDUCTION (SCR)

Diesel exhaust fluid is mixed with engine exhaust gases in the catalyst to further reduce NOx.

SERIES TURBOCHARGERS

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

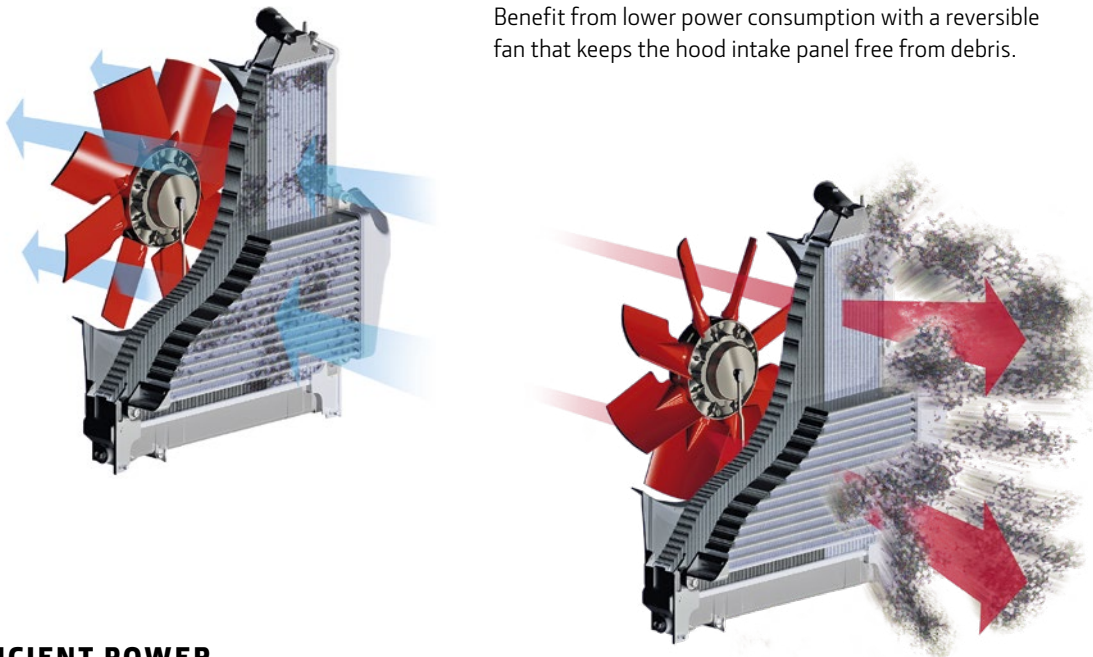


Our 4.5 l PSS engines (6R 110, 6R 120, 6R 130, 6R 140 and 6R 150) use a 2-stage turbocharging system in which the Wastegate turbocharger multiplies the pressure created by a fixed vane turbocharger. This sequential arrangement boosts power to achieve up to 177 hp (max with IPM) in the 6R 150. All 6-cylinder engines feature extended drain intervals of up to 750 hours¹ and hydraulic IPM.

¹ with John Deere Plus-50™ II

COOL EFFICIENCY

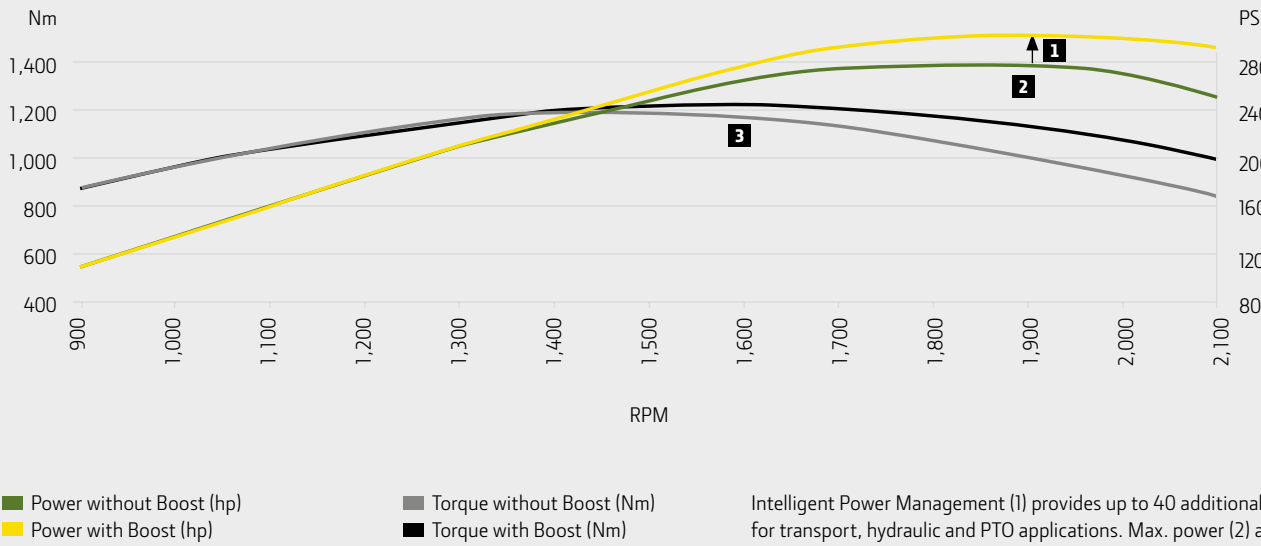
Benefit from lower power consumption with a reversible fan that keeps the hood intake panel free from debris.



EFFICIENT POWER

The higher power output of our 6-cyl. engines comes from refined 4-valve High Pressure Common Rail technology with injection pressure of up to 2,500 bar. The PVS engine in the 6R 145 – 6R 215 has a Variable Geometry Turbocharger that boosts performance and efficiency 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.

THE 6R 250: PURE POWER



Intelligent Power Management (1) provides up to 40 additional hp for transport, hydraulic 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.

ADVANCED DUAL CLUTCH TECHNOLOGY

DIRECTDRIVE

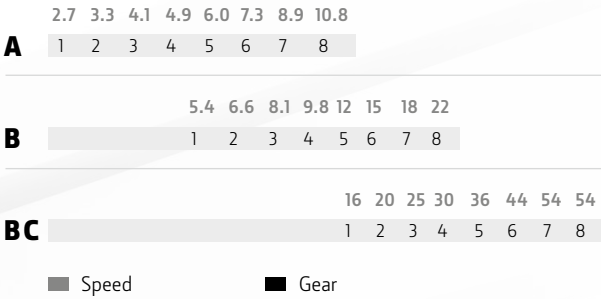
Specifically developed for 6R tractors, DirectDrive is an eight-speed, three-range transmission designed and engineered by John Deere for heavy agricultural work.



1 | Clutch 1: Shifting of even gears
2 | Clutch 2: Shifting of odd gears

**“THANKS TO AUTO CLUTCH,
IT IS LIKE DRIVING A CAR WITH
AUTOMATIC TRANSMISSION.”**

PROFI (JUNE 2019)



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

- 1 | Speed wheel
- 2 | Shift lever
- 3 | Automatic mode
- 4 | Manual mode
- 5 | Range selection

SEAMLESS EFFICIENCY

Dual-clutch technology always lines up the next gear so that no momentum is lost during changes – reducing fuel consumption and enhancing ease of operation.

BETTER FUEL ECONOMY

During transport, DirectDrive reduces the engine speed to 1,550 rpm at 40 km/h and 1,600 rpm at 50 km/h for significantly reduced fuel consumption.

STOP-AND-GO EASE

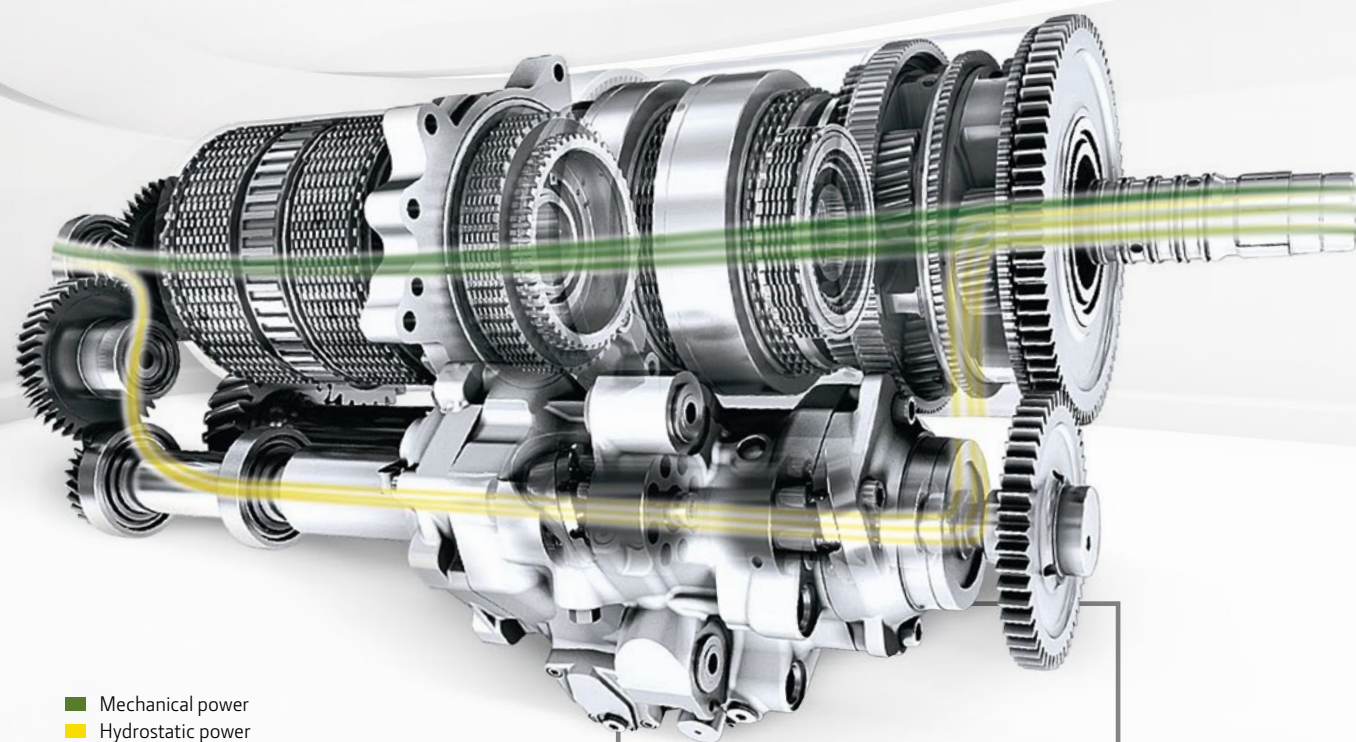
The AutoClutch function lets you stop the tractor without pressing the clutch – it makes a huge difference if you do a lot of stop and go work.



INFINITE SPEED ADJUSTMENT

AUTOPOWR™

AutoPowr™ is a hydro-mechanical transmission that delivers stepless and continuous power at speeds between 30 m/h and 50 km/h.



■ Mechanical power
■ Hydrostatic power

**FINALLY, ULTIMATE
CONVENIENCE ALSO
MEANS SUPERIOR
EFFICIENCY**

COMFORT

AutoPowr™ maintains the selected speed by automatically responding to changing load conditions.

FUEL ECONOMY

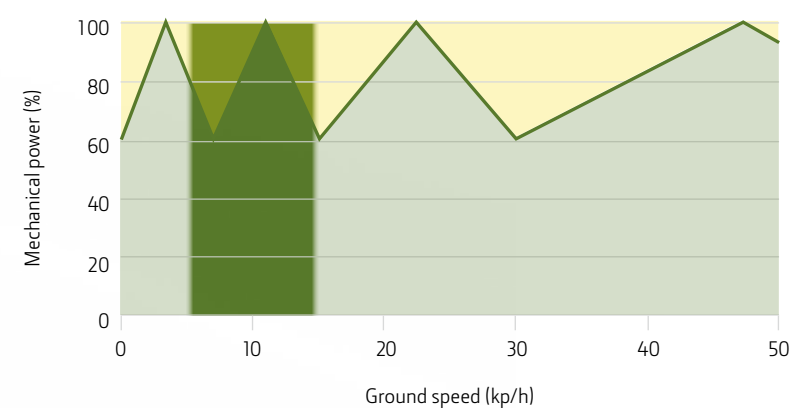
Once running at maximum road speed, engine rpm automatically drops to the minimum level required to maintain that speed – reducing noise and saving fuel. 50 km/h is maintained at 1,630 rpm, 40 km/h at 1,300 rpm with CommandPRO™. AutoPowr™ comes standard in 6R 230 and 6R 250 tractors.

TWO CONTROL LAYOUTS

With AutoPowr™, superior efficiency comes as standard. Controlled with CommandPRO™ it also delivers ultimate convenience.



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



MAXIMUM EFFICIENCY

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.

THE ERGONOMIC DRIVER INTERFACE

COMMANDPRO™

“THE COMMANDPRO™ IS CURRENTLY THE MOST ERGONOMIC JOYSTICK ON THE MARKET. THE JOYSTICK IS GREAT.”

TRACTOR TEST 2021, CHAMBER OF AGRICULTURE LOWER SAXONY (GERMANY)
WWW.LWK-NIEDERSACHSEN.DE

“THE JOYSTICK GETS TOP MARKS FROM DRIVERS FOR ITS EASE OF USE AND FUNCTIONALITY IN DAY-TO-DAY WORK.”

PROFI 07/2022 (WWW.PROFI.DE)

Mastering the power of the 6R Series tractors is simple with the CommandPRO™ joystick and its 11 reconfigurable buttons. It's the ultimate driver interface for your AutoPowr™ transmission and makes every work day more comfortable, efficient and productive.

THE ULTIMATE DRIVER INTERFACE

- Set top and zero speeds with one simple push or pull
- Creeping control from 0 to 5 km/h
- Simultaneous active-pedal joystick driving
- ActiveZero function keeps the output speed actively at 0 km/h until the acceleration command is given
- Control ISOBUS implements with CommandPRO™¹

EASY SETUP

Reducing the set-up time for all your applications, the Settings Manager allows you to save machine settings such as engine, SCVs and rear hitch, as well as configuration settings for the electronic and CommandPRO™ joysticks. Instantly access the individual settings for implements or operators, transfer them from one tractor to another, and become more productive from the moment you take the wheel.

¹ only available with AUX-N AEF certified ISOBUS implements



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
- Four-wheel Drive
- Differential Lock

GET HITCHED TO PRODUCTIVITY

HITCH OPTIONS

Experience the fusion of big pulling power with versatility across a broad variety of applications. 6R tractors offer a wide range of hitch, PTO and drawbar options, with all hitch parameters easily controlled from the CommandCenter™.

REAR PTO CHOICES

An independent 3-speed electrically shifted rear PTO is standard on all 6R tractors. Choose between the 540/540E/1000 and the 540E/1000/1000E – now available for all 6Rs.

POWERFUL HITCH OPTIONS

6R tractors offer a variety of rear hitch options to complement application needs all the way up to 10,400 kg of pure lifting power.



Automatic and mechanical trailer hitch with 38 mm ball-pin



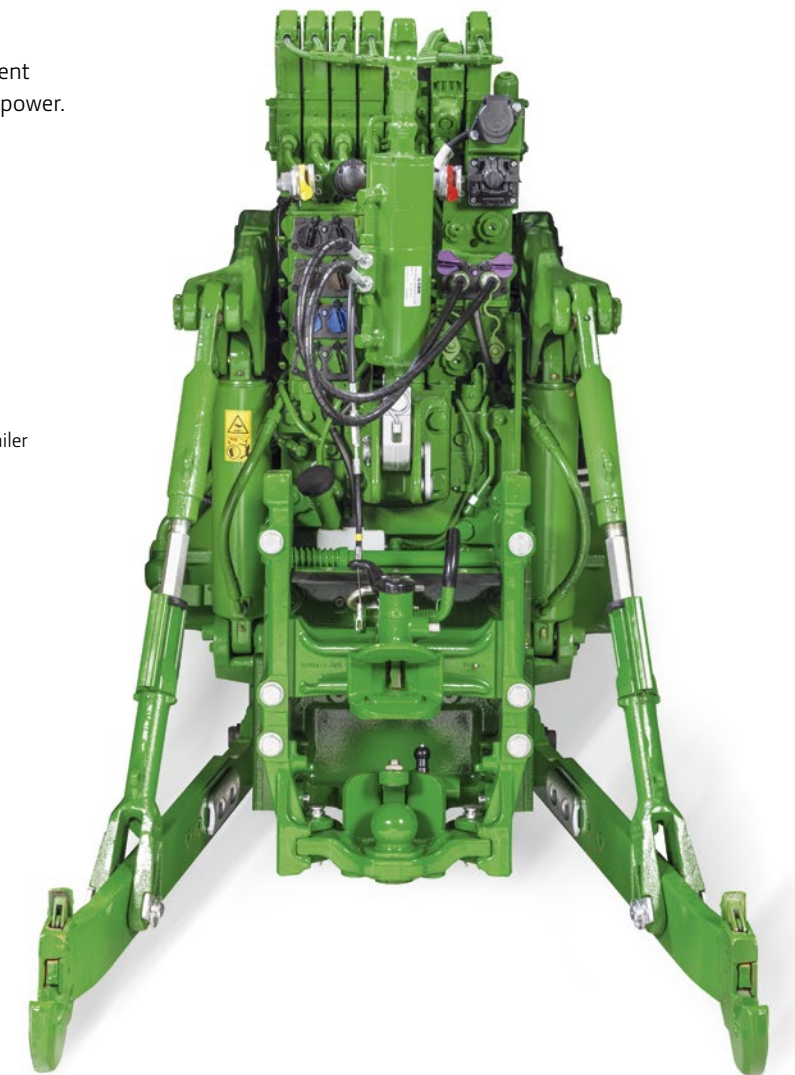
Piton fix hitch



Ball-type hitch



Forced Steering System



AUTOMATIC TRAILER HITCH

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

BALL-TYPE AND PITON FIX HITCHES

These 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).



BIG FRONT HITCH LIFT

Also available: a fully integrated front hitch with up to 5,000 kg maximum lift capacity. Plus, the 6R can also be ordered with an iTEC™ capable front PTO.





SMARTER HYDRAULICS

HYDRAULICS AND PTO

There's plenty of power to go around with the closed-centre, pressure and flow-compensated hydraulic system.

HYDRAULIC IPM

Hydraulic IPM boosts power by up to 40 hp for demanding implements like slurry tankers or sprayers. It maintains wheel speed under load and earned an Elmia Landbruk Innovation Award 2022 nomination.

SCVS APLENTY

The 6R offers up to six iTEC™-capable SCVs with a pressure relief lever. Control flow and times from the cab using the CommandCenter™. The front hitch can include up to two SCVs.

POWER BEYOND

Power Beyond delivers hydraulic power directly to equipment with its own valves or motors, featuring four couplers for versatile use, ideal for large planters or air seeders.

HYDRAULIC PUMPS

The top-tier 6R 230 and 6R 250 pumps deliver up to 195 l/min, while the other models provide 114 l/min with an optional 155 l/min upgrade available.

OPTIMUM BALLASTING

EZ BALLAST

EZ Ballast is perfect for you if you regularly switch between fieldwork and road transport. The 1.7-tonne weight can be added or removed in seconds at the push of a button, all without leaving the cab. Designed for 6R and 7R tractors, it seamlessly enhances the versatility of both models.



1| DRIVE OVER THE WEIGHT

There's no need to step down from the cab.



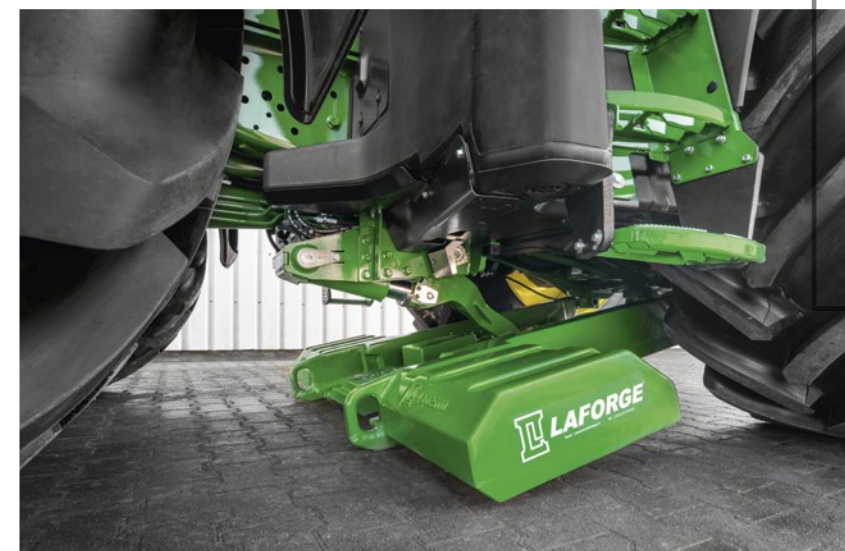
2| PICK UP THE WEIGHT

Simply use the dedicated control panel and the ballast is raised to the undercarriage. A safety device will ensure unfailing locking.



3| DRIVE OFF

Releasing the ballast is just as simple and will save transport fuel costs



**THE OPTIMUM BALLASTING
OF THE TRACTOR FOR FIELD
AND ROAD APPLICATION
WITHIN SECONDS.**

NO. 1 IN WEIGHING¹

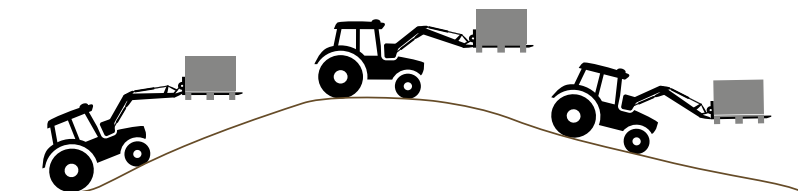
FRONT LOADERS

Thanks to the robust John Deere full-frame design and up to 155 l/min hydraulics, the 6R is a top choice for loader work. In Trekker Magazine's latest tractor test from February 2023, the 6R 150 and 643R loader combination delivered the best results. Reach new levels of productivity with the winning combination of the 6R and 643R loader featuring our dynamic weighing system, return-to-position and level-to-horizon.



RETURN-TO-POSITION

Boost your productivity for repetitive tasks. With Return-to-Position you can store up to four implement positions for quick and comfortable recall with the joystick.



DYNAMIC WEIGHING

Enhance your precision on the go: Our dynamic weighing system enables you to fill the bucket to the exact desired weight and lets you create step by step wagon-filling recipes.

LEVEL-TO-HORIZON

Prevent material losses while keeping your speed. The Level-to-Horizon feature keeps the implement levelled in uneven terrain.

¹Trekker 02/2023 (www.trekkermagazine.nl)



LEVEL-TO-HORIZON

WEIGHING WHILE DRIVING

"THE FRONT LOADER CAN WEIGH WHEN STATIONARY OR WHILE DRIVING. JOHN DEERE HAS THE MOST PRACTICAL WEIGHING FUNCTION - IT'S FAST, AND YOU CAN USE IT IN ALL BOOM POSITIONS."

TREKKER 02/2023
(WWW.TREKKERMAGAZINE.NL)



RETURN-TO-POSITION

MOST PRACTICAL WEIGHING FUNCTIONS



WEIGHING IN ALL BOOM POSITIONS

FASTER WEIGHING



STATIONARY WEIGHING



POWERGARD™

STATUS: PROTECTED

When you protect your equipment with a PowerGard™ Protection plan¹, your business gains the steady machine uptime and nonstop peak performance it needs to thrive.

A PowerGard™ Protection plan¹ covers the components that put power to the ground. Take that coverage even further with a PowerGard™ Protection Plus plan to add engine auxiliaries, electrical system, hydraulic system and operator's station to the coverage.

**UP TO
8 YEARS / 8,000 HOURS²**

100%

**REPAIR COST
CONTROL**

0%

**REPAIR COST
INFLATION**

HIGHER

RESALE VALUE

UPTIME

IN THE FIELD

¹ At participating dealers only. Requires a maintenance plan.
² For 6R Large-Frame Tractors and Xtra-Large Frame Tractors.

SAVE MORE WITH TOTAL LIFETIME CARE

MAINTENANCE MANAGEMENT

Combining PowerGard™ Protection with a Maintenance Plan gives you better cost control, protects you against unforeseen expenses, and increases your tractor's resale value.³

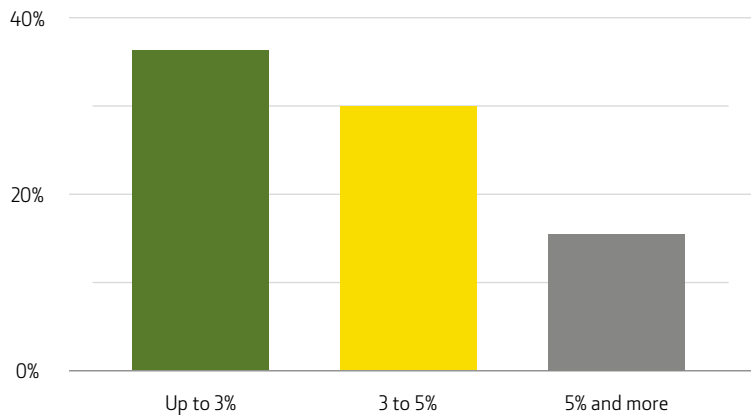
Gain efficiency with our digital maintenance management. Connect your machine with your preferred dealer service technicians, and they will automatically take care of your regular maintenance intervals.³

**FULL SERVICE
COST CONTROL**

**UP TO
5%**

**HIGHER RESIDUAL
VALUE ON AVERAGE**

USED TRACTOR RESALE VALUE ADVANTAGE



Research conducted by the WEIHENSTEPHAN-TRIESDORF University of Applied Sciences in spring 2022 shows that when buying a used tractor, customers are willing to pay up to 5% more, on average, for tractors that were properly serviced and maintained by a dealer.



³ At participating dealers only.

SPECIFICATIONS

MODEL	6R 110	6R 120	6R 130	6R 140	6R 150
ENGINE					
MAX ENGINE POWER (ECE-R120), HP (KW)	121 (89)	132 (97)	143 (105)	154 (113)	165 (121)
MAX ENGINE POWER WITH IPM (ECE-R120), HP (KW)	135 (99)	145 (107)	156 (115)	166 (122)	177 (130)
Rated power (ECE-R120), hp (kW)	110 (81)	120 (88)	130 (96)	140 (103)	150 (110)
Rated power with IPM (ECE-R120) @ 2,100 rpm, hp (kW)	130 (96)	140 (103)	150 (110)	160 (118)	170 (125)
Constant power range, rpm	2,100 - 1,500				
Torque rise, percentage	40				
Maximum torque, Nm (at 1,600 engine rpm) – without boost	515	562	609	656	702
Maximum torque, Nm (at 1,600 engine rpm) – with boost	543	585	627	669	711
Rated speed, rpm	2,100				
Manufacturer	John Deere Power Systems				
Type	PowerTech™ PSS				
Aftertreatment	Lifetime Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) using DEF				
Engine air filter	PowerCore® air filter with pre-cleaning				
Aspiration	Dual turbochargers, wastegate turbo with fixed geometry turbo in series				
Cylinders/Displacement	4/4.5 l				
Cooling system	Stacked cooling system				
Fuel injection system & control	High pressure common rail system with up to 2,000 bar injection pressure, electronically controlled				
TRANSMISSIONS					
AUTOQUAD™ PLUS					
20/20 2.7 – 40 km/h	–	–	–	–	–
24/24 1.8 – 40 km/h	■	■	■	■	–
20/20 2.7 – 50 km/h	–	–	–	–	–
24/24 1.8 – 50 km/h	■	■	■	■	–
AUTOQUAD™ PLUS ECOSHIFT					
20/20 2.7 – 40 km/h	–	–	–	–	–
24/24 1.8 – 40 km/h	■	■	■	■	–
Creeper (AutoQuad™ Plus and AutoQuad™ Plus Ecoshift)	■	■	■	■	–
AUTOPWR™					
0.03 – 40 km/h	■	■	■	■	■
0.03 – 50 km/h	■	■	■	■	■
AXLES					
Suspended front axle (option)	Triple Link Suspension (TLS™ Plus) MFWD Axle, hydro-pneumatic, permanently active, triple link, self-levelling, load adjusting suspension				
Suspension range with TLS™ Plus	100 mm suspension range				
Engagement front differential lock	Self-locking differential				
Engagement rear differential lock	Electro-hydraulic with oil cooled clutch				
Rear axle	Flange or R&P axle				
STEERING					
Type	Hydrostatic, 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	114/155			
Selective control valves	Up to 5+3				
Power beyond	Optional				
Oil take out capacity with overfill, l	25				
Oil take out capacity with additional oil reservoir, l	32				

MODEL	6R 110	6R 120	6R 130	6R 140	6R 150
3-POINT HITCH – REAR					
Type	Electronic lower link sensing; load & depth control, infinite mix, float				
Category	II/IIIN			IIIN	
Maximum lift capacity at hooks, kg	6,800				
Lift capacity through full lift range (OECD 610 mm), kg	4,350				
Lift capacity through full lift range (OECD 1,800 mm), kg	2,660				
3-POINT HITCH – FRONT, OPTIONAL					
Type	Front hitch controlled by rear SCV (Select option) or dedicated SCV (Premium or Ultimate option)				
Category	IIIN				
Maximum lift capacity at hooks, kg	4,000				
Lift capacity through full lift range (OECD at the hooks), kg	3,300				
REAR PTO					
Type	Electro-hydraulically engaged, oil cooled, multi-disc design				
Engine rpm at rated PTO speeds with 540/540E/1,000 option	1,967/1,496/1,962				
Engine rpm at rated PTO speeds with 540E/1,000/1,000E option	1,565/1,967/1,655				
FRONT PTO, OPTIONAL					
Type	Electro-hydraulically engaged, oil cooled				
Engine speed at rated PTO speed (1,000), rpm	1,969				
CAB					
Specifications	ComfortView™ cab with 2 panorama doors or B-Post on left hand side and G5 CommandCenter™				
Suspension (option)	Adaptive hydraulic cab suspension HCS Plus				
Noise level at operator's ear, dB(A)	71				
Cab glass area, m²	6.11				
Display	G5 CommandCenter™ 10.1" or G5 ^{Plus} CommandCenter™ 12.8"				
Sport Package	Base				
MISCELLANEOUS					
AutoTrac™ Ready	Base				
ISOBUS ready	Base				
CommandCenter™ video inputs	1 input for G5, 4 inputs for G5 ^{Plus} CommandCenter™				
Immobiliser	Optional				
Trailer brake systems (options)	Hydraulic and/or pneumatic system				
Pneumatic trailer brake system (option)	Hydraulic retarding valve, air drier included				
FARMSIGHT™ SERVICES					
JDLink™	Base				
Remote Machine Monitoring (incl. Expert Alerts)	Base				
CAPACITIES					
Fuel tank (base/option), l	199/225				
DEF, l	13.5				
Engine coolant, l	22				
DIMENSIONS AND WEIGHTS					
Wheelbase, mm	2,580				
Width × Height × Length, mm	2,430 × 2,910 × 4,540				
Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tyres / max. rear tyre sizes					
Ground clearance, mm	481		506		
Measured at centre of front axle, using max. front and max. rear tyre sizes					
Shipping weight, kg	6,500				
Measured with average specifications					
Maximum permissible gross weight, kg	10,450				
TYRE SIZES					
Front tyre sizes, max. available	520/60R28		540/65R28		
Rear tyre sizes, max. available	650/60R38		650/65R38		

SPECIFICATIONS

MODEL	6R 145	6R 155	6R 165	6R 185
ENGINE				
MAX ENGINE POWER (ECE-R120), HP (KW)	160 (117)	171 (125)	182 (133)	204 (150)
MAX ENGINE POWER WITH IPM (ECE-R120), HP (KW)	192 (141)	203 (149)	213 (157)	234 (172)
Rated power (ECE-R120), hp (kW)	145 (107)	155 (114)	165 (121)	185 (136)
Rated power with IPM (ECE-R120) @ 2,100 rpm, hp (kW)	185 (136)	195 (143)	205 (151)	225 (165)
Constant power range, rpm	2,100 - 1,500			
Torque rise, percentage	40			
Maximum torque, Nm (at 1,600 engine rpm) – without boost	679	726	773	866
Maximum torque, Nm (at 1,600 engine rpm) – with boost	773	815	842	941
Rated speed, rpm	2,100			
Manufacturer	John Deere Power Systems			
Type	PowerTech™ PVS			
Aftertreatment	Lifetime Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) using DEF			
Engine air filter	PowerCore® air filter with pre-cleaning			
Aspiration	Single variable geometry turbocharger			
Cylinders/Displacement	6/6.8 l			
Cooling system	Stacked cooling system		Distributed cooling system with temperature controlled viscous fan drive and dedicated fan for charge air cooling	
Fuel injection system & control	High pressure common rail system with up to 2,500 bar injection pressure, electronically controlled			
TRANSMISSIONS				
AUTOQUAD™ PLUS				
20/20 2.7 – 40 km/h	■	■	–	–
24/24 1.8 – 40 km/h	–	–	–	–
20/20 2.7 – 50 km/h	■	■	–	–
24/24 1.8 – 50 km/h	–	–	–	–
AUTOQUAD™ PLUS ECOSHIFT				
20/20 2.7 – 40 km/h	■	■	–	–
24/24 1.8 – 40 km/h	–	–	–	–
Creeper (AutoQuad™ Plus and AutoQuad™ Plus Ecoshift)	■	■	–	–
DIRECTDRIVE				
24/24 2.8 – 40 km/h	■	■	■	–
24/24 2.8 – 50 km/h	■	■	■	–
AUTOPOWR™				
0.03 – 40 km/h	■	■	■	■
0.03 – 50 km/h	■	■	■	■
AXLES				
Suspended front axle (option)	Triple Link Suspension (TLS™ Plus) MFWD Axle, hydro-pneumatic, permanently active, triple link, self-levelling, load adjusting suspension			
Suspension range with TLS™ Plus	100 mm suspension range			
Engagement front differential lock	Self-locking differential			
Engagement rear differential lock	Electro-hydraulic with oil cooled clutch			
Rear axle	Flange or R&P axle			
STEERING				
Type	Hydrostatic, Variable Ratio Steering optional			

Air Conditioning Systems contain R134a, a Fluorinated Greenhouse Gas, with a Global Warming Potential of 1430.

MODEL	6R 145	6R 155	6R 165	6R 185
HYDRAULIC SYSTEM				
Type	Pressure & Flow Compensated (PFC) system with load sensing function			
Flow at rated engine speed base/option, l/min	114/155			
Selective control valves	Up to 6+3			
Power beyond	Optional			
Oil take out capacity with overfill, l	39			
Oil take out capacity with additional oil reservoir, l	45			
3-POINT HITCH – REAR				
Type	Electronic lower link sensing; load & depth control, infinite mix, float			
Category	III/IIIN			
Maximum lift capacity at hooks, kg	8,100			
Lift capacity through full lift range (OECD 610 mm), kg	4,200			
Lift capacity through full lift range (OECD 1,800 mm), kg	3,200			
3-POINT HITCH – FRONT, OPTIONAL				
Type	Front hitch controlled by rear SCV (Select option) or dedicated SCV (Premium or Ultimate option)			
Category	IIIN			
Maximum lift capacity at hooks, kg	4,000			
Lift capacity through full lift range (OECD at the hooks), kg	3,300			
REAR PTO				
Type	Electro-hydraulically engaged, oil cooled, multi-disc design			
Engine rpm at rated PTO speeds with 540/540E/1,000 option	1,987/1,753/2,000			
Engine rpm at rated PTO speeds with 540E/1,000/1,000E option	1,567/1,970/1,657			
FRONT PTO, OPTIONAL				
Type	Electro-hydraulically engaged, oil cooled			
Engine speed at rated PTO speed (1,000), rpm	1,969			
CAB				
Specifications	ComfortView™ cab with 2 panorama doors or B-Post on left hand side and G5 CommandCenter™			
Suspension (option)	Adaptive hydraulic cab suspension HCS Plus			
Noise level at operator's ear, dB(A)	71			
Cab glass area, m²	6.11			
Display	G5 CommandCenter™ 10.1" or G5 ^{Plus} CommandCenter™ 12.8"			
MISCELLANEOUS				
AutoTrac™ Ready	Base			
ISOBUS ready	Base			
CommandCenter™ video inputs	1 input for G5, 4 inputs for G5 ^{Plus} CommandCenter™			
Immobiliser	Optional			
Trailer brake systems (options)	Hydraulic and/or pneumatic system			
Pneumatic trailer brake system (option)	Hydraulic retarding valve, air drier included			
FARMSIGHT™ SERVICES				
JDLink™	Base			
Remote Machine Monitoring (incl. Expert Alerts)	Base			
CAPACITIES				
Fuel tank (base/option), l	280/322			
DEF, l	16			
Engine coolant, l	27.4			
DIMENSIONS AND WEIGHTS				
Wheelbase, mm	2,765			
Width × Height × Length, mm	2,490 × 2,950 × 4,930			
Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tyres / max. rear tyre sizes				
Ground clearance, mm	553			
Measured at centre of front axle, using max. front and max. rear tyre sizes				
Shipping weight, kg	7,900			
Measured with average specifications				
Maximum permissible gross weight, kg	11,750			
TYRE SIZES				
Front tyre sizes, max. available	600/65R28			
Rear tyre sizes, max. available	710/70R38			

SPECIFICATIONS

MODEL	6R 175	6R 195	6R 215	6R 230	6R 250
ENGINE					
MAX ENGINE POWER (ECE-R120), HP (KW)	193 (142)	215 (158)	237 (174)	253 (186)	275 (202)
MAX ENGINE POWER WITH IPM (ECE-R120), HP (KW)	223 (164)	244 (180)	259 (190)	281 (206)	301 (222)
Rated power (ECE-R120), hp (kW)	175 (129)	195 (143)	215 (158)	230 (169)	250 (184)
Rated power with IPM (ECE-R120) @ 2,100 rpm, hp (kW)	215 (158)	235 (173)	255 (188)	270 (199)	290 (213)
Constant power range, rpm	2,100 - 1,500				
Torque rise, percentage	40				
Maximum torque, Nm (at 1,600 engine rpm) – without boost	819	913	1,007	1,077	1,171
Maximum torque, Nm (at 1,600 engine rpm) – with boost	899	982	1,025	1,129	1,212
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® air filter with pre-cleaning			External A-Post Filter with pre-cleaning	
Aspiration	Single 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 cooling			Distributed cooling system with temperature controlled electric fan drive and dedicated fan for charge air cooling	
Fuel injection system & control	High pressure common rail system with up to 2,500 bar injection pressure, electronically controlled				
TRANSMISSION					
AUTOQUAD™ PLUS					
20/20 2.7 – 40 km/h	■	■	■	–	–
20/20 2.9 – 50 km/h	■	■	■	–	–
AUTOQUAD™ PLUS ECOSHIFT					
20/20 2.9 – 40 km/h	■	■	■	–	–
DIRECTDRIVE					
24/24 2.7 – 40 km/h	■	■	■	–	–
24/24 2.7 – 50 km/h	■	■	■	–	–
AUTOPOWR™					
0.03 – 40 km/h	■	■	■	■	■
0.03 – 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	Hydrostatic, 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			195	
Selective control valves	Up to 6+3				
Power beyond	Optional				
Oil take out capacity with overfill, l	47				
Oil take out capacity with additional oil reservoir, l	55			80	

MODEL	6R 175	6R 195	6R 215	6R 230	6R 250
3-POINT HITCH – REAR					
Type	Electronic lower link sensing; load & depth control, infinite mix, float				
Category	III/IIIN				
Maximum lift capacity at hooks, kg	9,550		10,400		
Lift capacity through full lift range (OECD 610 mm), kg	5,450		7,000		
Lift capacity through full lift range (OECD 1,800 mm), kg	3,800		4,300		
3-POINT HITCH – FRONT, OPTIONAL					
Type	Front hitch controlled by rear SCV (Select option) or dedicated SCV (Premium or Ultimate option)		Front hitch controlled by dedicated SCV in base		
Category	IIIN				
Maximum lift capacity at hooks, kg	4,000		5,900		
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/1,000 option	1,950/1,721/1,950				
Engine rpm at rated PTO speeds with 540E/1,000/1,000E option	1,761/1,989/1,756		1,618/2,012/1,659		
FRONT PTO, OPTIONAL					
Type	Electro-hydraulically engaged, oil cooled				
Engine speed at rated PTO speed (1,000), rpm	1.969		1.965		
CAB					
Specifications	ComfortView™ cab with 2 panorama doors or B-Post on left hand side and G5 CommandCenter™				
Suspension (option)	Adaptive hydraulic cab suspension HCS Plus				
Noise level at operator's ear, dB(A)	71				
Cab glass area, m²	6.11				
Display	G5 CommandCenter™ 10.1" or G5 ^{Plus} CommandCenter™ 12.8"				
MISCELLANEOUS					
AutoTrac™ Ready	Base		Base		
ISOBUS ready	Base		Base		
CommandCenter™ video inputs	1 input for G5, 4 inputs for G5 ^{Plus} CommandCenter™				
Immobiliser	Base				
Trailer brake systems (options)	Hydraulic and/or pneumatic system				
Pneumatic trailer brake system (option)	Hydraulic retarding valve, air drier included				
FARMSIGHT™ SERVICES					
JDLink™			Base		
Remote Machine Monitoring (incl. Expert Alerts)			Base		
CAPACITIES					
Fuel tank (base /option), l	324/421		410/470		
DEF, l	20		25		
Engine coolant, l	28		34		
DIMENSIONS AND WEIGHTS					
Wheelbase, mm	2,800		2,900		
Width × Height × Length, mm	2,550 × 3,160 × 5,050		2,550 × 3,250 × 5,190		
Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tyres / max. rear tyre sizes					
Height from centre of rear axle to top of cab (no beacon light), mm	2,183		2,273		
Turning radius, m	5.62		6.32		
According to ISO789-3 measured for 600/65R30 at 2,050 mm tread setting and 1.6 bar inflation pressure on level ground					
Shipping weight, kg	8,600		9,500		
Measured with average specifications					
Maximum permissible gross weight, kg	13,450		15,000		
TYRE SIZES					
Front tyre sizes, max. available	600/70 R28		600/70R30		
Rear tyre sizes, max. available	800/70R38				

NOTHING RUNS LIKE A DEERE™

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