6M SERIES TRACTORS

JOHN DEERE

81 kW to 143 kW
(110 hp to 195 hp) 97 / 68EC

FOR EVERYTHING YOU DO

Since their introduction in 2012, our 6M Series tractors have earned the enviable reputation as definitive all-rounders. Building on that success, we're enhancing the 6M Series with more features, even more power density and Stage IV compliance. Add all this to the quality, strength and reliability that the name John Deere stands for, and you have a tractor that brings you all the versatile capabilities you need.

Whether you're an arable or livestock farmer, speciality producer or a contractor, a 6M tractor will quickly prove its worth to your operations. That's because it has been developed and built by people with a profound understanding of the challenges and opportunities that confront you and your operations every working day. For livestock farming, for instance, the uncomplicated 6M tractor requires little routine maintenance, leaving you more time to concentrate on your animals.

The new enhancements also make the 6M Series an attractive alternative to some more complex and more expensive competitors.

Contents

At home in every field, farmyard, orchard, country lane ...

Livestock farm, Ávila (Spain)

Livestock farm, Bern (Switzerland)

Livestock farming

Nothing is more important than the welfare of your livestock, so your ideal tractor is one that carries out all necessary tasks without missing a beat. A tractor that, when it's not busy mowing, tedding, spraying or spreading, can be deployed for all manner of front loader tasks, including feeding, cleaning out stalls, loading and unloading trailers. That's your 6M Series – a true all-rounder, all the year round.

Mixed farm, Plymouth (UK)

Mixed farming

For a versatile 6M Series tractor, mastering the multiple challenges of both arable and livestock farming is, quite simply, all in a day's work. Every day, through every season, year after year.

Our new 6M Series tractors have been designed and engineered to excel wherever they are put to work. They are equally at home in the field carrying out light or heavy tillage, crop care and grassland work with the PTO, speciality agriculture, or loader work in your farmyard. Not to mention fulfilling on-road transport tasks with ease.

The new enhancements make the 6M Series even more powerful, versatile and easy to operate and maintain, all of which increases their appeal to contractors, too.

Arable farm, Lódz (Poland)

3 **Arable farming**

Benchmark power efficiency makes the 6M Series tractor your reliable and strong in-field workhorse. It has the power and capacity you need to carry out all your ploughing, seeding, cultivating and harvesting tasks. Our 6175M and 6195M tractors make light work of even the heaviest tasks.

Speciality crops farm, Arc-lès-Gray (France)

4 **Speciality crops**

Versatility is built in to every 6M tractor, but the extreme manoeuvrability of the short wheelbase models makes the 6110M, 6120M and 6130M models particularly suitable for crop care, orchard work and speciality crops.

Contractor business, Potsdam (Germany)

5 **Contractor operations**

As an accomplished all-rounder, a 6M Series tractor is a “must have” for the fleet of any serious contractor. In addition to the capabilities already listed on this page, the 6M can be equipped with John Deere fleet management solutions, so you’ll always know where it is, what it’s doing and how well it’s performing.

What's more, 6M tractors are built at our facility in Mannheim, Germany, where we constantly review our procedures and practices to reduce complexity, improve effectiveness and optimise efficiency. And by implementing six sigma quality guidance principles, best practices and common tools and processes, we can focus on maximising quality in a systematic and cost effective way.

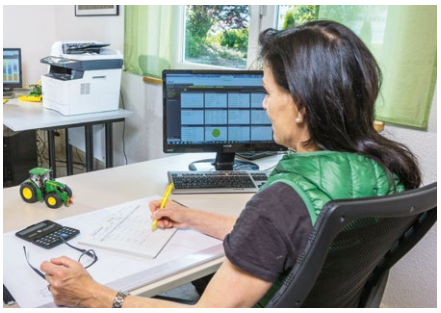
We also talk and listen to you, our customers. Your opinions and feedback, combined with our innovative engineering initiatives, help us develop the machinery and equipment that work hard to improve the success of your operations.

Customer focus group

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

ASSURED RELIABILITY. MINIMAL MAINTENANCE. THAT'S JOHN DEERE QUALITY

All John Deere agricultural machinery is built to the highest possible standards. Our 6M Series is a prime example of this philosophy, which is why all major components – engines, transmissions and full frame chassis – are designed, engineered, manufactured and tested by John Deere. And they are all designed to work perfectly together.



Customer satisfaction index

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

Our reputation as the manufacturer of reliable agricultural machinery is put to the test every day. So, before our tractors reach the marketplace, the John Deere Development Engineering Group subjects them to two years of intensive testing.

Serious testing

Wind tunnels, cold rooms, bump tracks, tilt platforms, electrical magnetic interference tests and mud baths recreate the most extreme of all agricultural conditions. Because we know that, in the real world, you need tractors that simply won't let you down.

Loader ready
Front loader ready package ex-factory
New R Series front loaders
New electronic joystick

Integrated solutions
AutoTrac & ISOBUS for all models

6195M
New 6M flagship

Comfort
TLS front axle suspension
Mechanical cab suspension

Durability
PermaClutch

1 2 3 4 5

Capability without complexity

The established strengths and capabilities of the 6M Series have written their own success story. The next chapter starts here, with increased power density, Stage IV emission compliance and more comfort and convenience. Our new "top of the line" model is the 6195M with rated power of 195 hp (97/68 EC).

This new 6M is, of course, built upon John Deere's renowned full frame design, providing the highest structural integrity and lower vibration levels. The hydraulic system has been upgraded to provide the higher lift capacity required for bigger and heavier implements. Good news for your productivity.

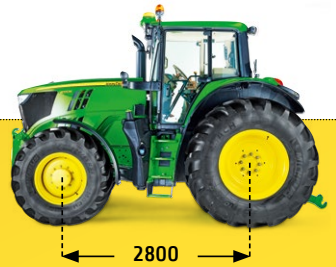
EIGHT MODELS, THREE WHEELBASES

Compact, light and agile

6110M, 6120M, 6130M

Versatile, efficient and powerful

6135M, 6145M, 6155M



Heavy-duty workhorse

6175M, 6195M

Superb hydraulics

Pressure Flow Compensated hydraulic system

Up to 4 rear SCVs

Integrated economy front hitch

Strong backbone

Unique full steel frame chassis

New engine

Unique serial turbo

DPF + DEF

New front axle

Improved steering

More traction

Widest transmission portfolio

PowrQuad Plus

Semi-automatic AutoQuad Plus

Semi-automatic AutoQuad Plus EcoShift

New CommandQuad Plus

New CommandQuad Plus EcoShift

6 7 8 9 10

One-piece panorama windscreen

1

A distinct upgrade

The cab of the 6M is a truly exemplary working place and our Stage IV model is now an even more rewarding place for you to spend your valuable time. There's a redesigned dashboard and a new look for the right-hand console. What you can't see is a feature whose benefits become apparent once you're on the move: mechanical cab suspension. It isolates you from unpleasant shocks and vibrations, maintaining comfort and banishing fatigue.

1

7

Redesigned dashboard

The redesigned dashboard with clear graphics and touch-sensitive controls has been optimised to provide a coherent overview of all major systems.

2 New look right-hand console

3 Multiple seat options

4 Electrical mid-stack valves

5 Optional CommandQuad Plus transmission

6 Optional GreenStar display

7 Redesigned dashboard

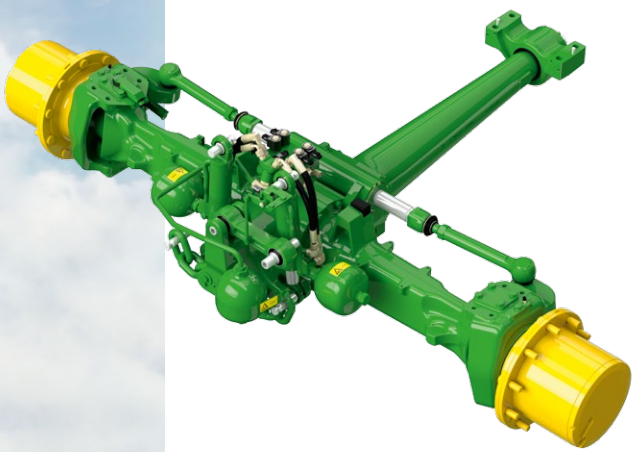
New CommandQuad Plus

The convenience of clutch-less automatic shifting.

COMFORT IS NOT A LUXURY

A comfortable operator is a safer, more alert and more productive operator. The John Deere full frame design provides a rigid platform that absorbs and resists loads and shocks transmitted via the wheels, heavy implements or front loader. To minimize the fatigue and stress caused by unpleasant vibrations, 6M tractors can be specified with optional mechanical cab suspension.

The newly designed front axle delivers improved on-road handling characteristics and its redesigned geometry reduces the amount of steering effort required. There's also the option of Triple Link Suspension (TLS). The cab of the 6M is an extremely pleasant and efficient place to work.



Triple Link Suspension (TLS)

This delivers optimum traction and in-field performance by putting up to 7% more power to the ground than a rigid axle. It automatically adjusts in response to changing load and draft conditions. TLS makes the going easier and more productive.

- Self-levelling, with +50 mm suspension travel
- Automatic adjustment of axle sensitivity and suspension rate
- Long draft member for optimised draft performance
- Synchronisation with hitch sensing system to compensate power hop effect under heavy pull conditions
- Additional brake discs in front axle hubs provide increased braking capacity

Cab suspension (mechanical)

Keeping the operator relaxed and protected from irritating vibrations is achieved with our maintenance-free mechanical cab suspension.

POWER UP.
EMISSIONS DOWN

Stage IV compliance the John Deere way

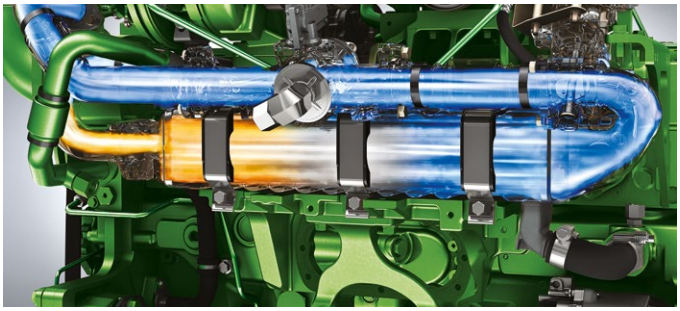
All John Deere engines are designed and engineered specifically for agricultural applications. The new 6M Series tractors are powered by our renowned 6.8 l and 4.5 l PowerTech engines, which have been revised to generate all the power you could need, while consuming less fuel and meeting the demanding Stage IV emissions standards. The proven diesel particulate filter allows the engine to respond quickly to changing loads. The engines are equipped with a new SCR system using DEF that has been developed by John Deere especially for our engines.

Proven technology

John Deere pioneered the use of 4-valve High Pressure Common Rail (HPCR) engines in agricultural machinery over 10 years ago. Today, the high power output of our engines is achieved by this refined HPCR technology with an injection pressure of up to 2500 bar.

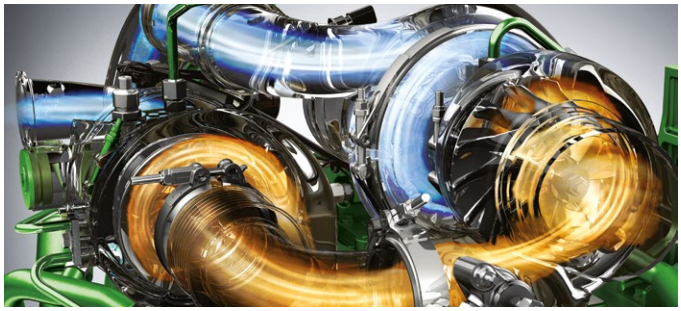
Our PVX engines in the 6155M and 6175M models are equipped with a Variable Geometry Turbocharger (VGT) whose vanes adjust automatically to maintain consistent exhaust velocity and back pressure across the torque curve. This boosts both performance and fuel efficiency. The oil change interval for these 6-cylinder engines is 750 hours.

PSS engines (6110M, 6120M, 6130M, 6135M, 6145M and 6195M) use a 2-stage turbocharging system in which the VGT multiplies the pressure created by a fixed vane turbocharger. This sequential arrangement boosts power and helps reduce emissions.



Green and clean

Stage IV compliance is achieved by first passing exhaust gases through a combined Diesel Oxidation Catalyst (DOC) and Diesel Particle Filter (DPF), then through a Selective Catalytic Reduction (SCR) process to neutralize harmful nitrogen oxides. The super-efficient cooling system keeps the engine running at optimal operating temperatures.



Variable Geometry Turbocharger (VGT)

The VGT generates a mass of combustion air for constant high torque across the wide power band. This ensures impressive power density, even at lower rpm, thus saving fuel.

EASY OPERATION WITH STRAIGHTFORWARD TECHNOLOGY

There's a versatile 6M tractor for everything you want to do. And to underline that all-round capability, there's now a choice of five available transmissions.

PowerQuad Plus, AutoQuad Plus and AutoQuad Plus EcoShift are joined by CommandQuad Plus and CommandQuad Plus EcoShift. Both new transmissions deliver enhanced clutch-less automatic shifting for more operator convenience and higher productivity.

For speciality applications a creeper transmission is available for 6110M, 6120M, 6130M, 6135M, 6145M and 6155M versions.

Like all 6M core components, our transmissions are engineered in-house using highly efficient and reliable mechanical systems, making them especially easy even for inexperienced operators to master.

PowrQuad Plus

Three versions are available: 16/16, 20/20 and 24/24. All provide rapid shifting including speed matching when shifting between ranges. They are operated by a single range lever with declutch function and push-button gear selection. SoftShift technology keeps the changes smooth, even under load.

AutoQuad Plus and AutoQuad Plus EcoShift

All the benefits of PowrQuad Plus with the added convenience of automatic gear shifting. 20/20 and 24/24 versions are available. The EcoShift option delivers a higher transport speed (40 km/h) between only 1580 and 1680 rpm, reducing fuel consumption and emissions by up to 23%.

CommandQuad Plus and CommanQuad Plus EcoShift

For enhanced convenience and productivity CommandQuad Plus adds even more automatic capability. The smoothness of its autoclutch function – there's no need to press the clutch when stopping – and the performance of the powerfill brakes make 6M tractors perfect for loader work and when hooking up implements. Choose between 20 forward/20 reverse speeds or 24 forward/24 reverse speeds. The intuitive single control lever enables both manual and automatic speed selection, and is complemented by the left-hand reverser. The EcoShift version with a transport speed of 40 km/h operates at engine speeds of only 1600 rpm.

MUSCLE POWER ON TAP

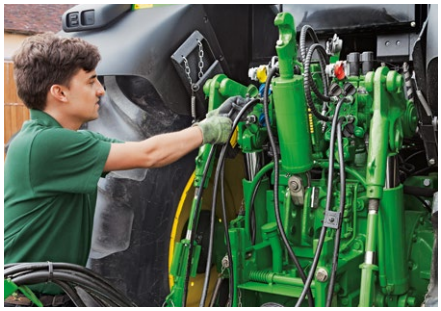
Outstanding versatility requires an outstanding hydraulics system. Stage IV 6M tractors are equipped with the same rear hitch geometry as our premium 6R Series, and can be specified with the same high lift capacity. The Pressure and Flow Compensated system (PFC) is capable of producing a maximum flow of 114 l/min whenever the system loading requires it. When the flow is no longer needed, the system returns to the “no flow” stand-by mode. Not only does this improve both fuel efficiency and implement performance, it also enhances steering response.

A simpler designed Pressure Compensated system (PC) with 80 l/min is also available for owners with tasks that are less arduous.

6M Series hydraulic systems power up to 4 Selective Control Valves (SCV) to operate rear-mounted implements as well as the integrated front hitch. Mechanically activated valves (M-ICV) and electronically activated valves (E-ICV) enable easy joystick control of John Deere front loaders.

iTEC Basic headland management system

Intelligent Total Equipment Control Basic helps the operator co-ordinate the control of implements when executing headland turns.



SCV stack

Easily accessed between the rear hitch rails, the SCV stack groups together up to 4 SCVs, Power Beyond couplers and the Pressure-Free Return circuit valve for convenient operation.

WHATEVER YOU'RE TAKING ON, YOUR 6M IS READY

The acknowledged versatility of the 6M Series is complemented by our available hitches, drawbars and PTOs and enhanced by the convenience of ISOBUS connectivity with a wide range of productive implements. The new rear hitch is identical with that on our premium 6R tractors, and delivers the same maximum lift capacity of 8500 kg. Available PTO speed options are 540/1000 rpm or 540/540E/1000 rpm.

Versatility can be extended with the integrated front hitch that is perfect for carrying ballast and front implement operation. It can also be combined with the integrated John Deere front PTO, which is fully compatible with John Deere front loaders. Our three-point hitches feature sway stabilizers and hitch damping for enhanced ride stability, and iTEC Basic Headland Management System for co-ordinated implement control.

Whether you're working with hitches, drawbar or PTO, you can be assured that all of these John Deere components are engineered for durability and ease of operation. Good news for the efficiency and productivity of your operations.

Rear hitch

The sturdy rear hitch, with a maximum lift capacity of up to 8500 kg* can easily handle the heaviest of implements.

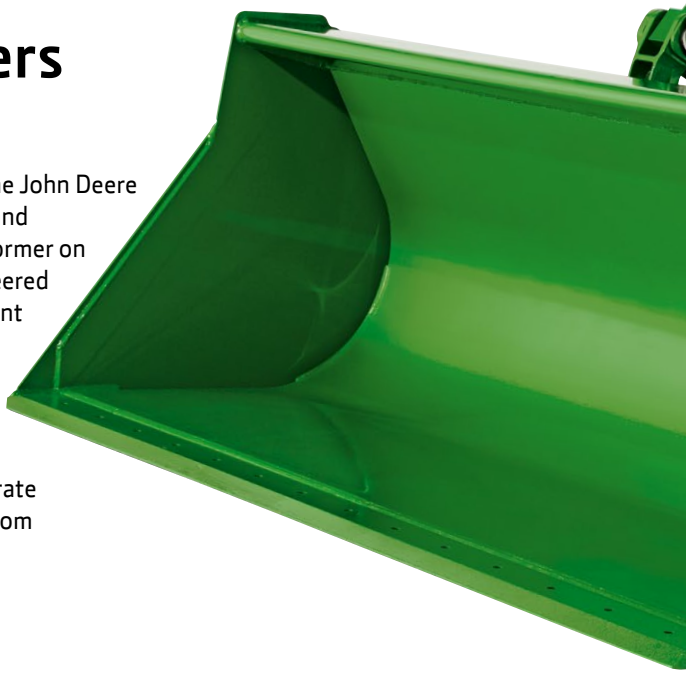
Integrated front hitch (with PTO)

Make the most of the hydraulic power generated by your 6M tractor with the fully integrated front hitch. It provides up to 4000 kg* maximum lift capacity, and is also available as a field installation kit from your dealer. The John Deere front hitch includes the following features:

- Front SCV coupler
- Double-acting cylinders for both lift- and down-pressure
- Full compatibility with John Deere front loaders

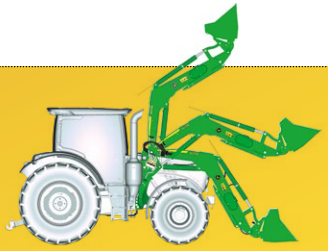
*maximum lift capacity at hooks

Raising the game: John Deere R Series front loaders



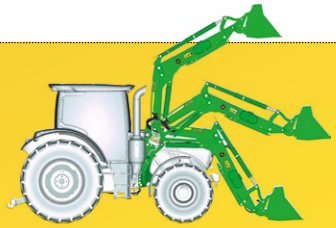
A 6M tractor is the perfect platform for heavy front loader work, thanks to the John Deere full frame design. The sturdy double backbone construction resists stresses and twisting forces caused by uneven loading, making the 6M a most stable performer on and off the farm. The durable, oil-cooled PermaClutch 2 in every 6M is engineered to manage the multiple directional changes that are typical of continuous front loader operations.

John Deere front loaders are designed, manufactured and tested to the same stringent standards as our tractors. They fit the 6M tractor perfectly, are compatible with the John Deere front hitch, work with reliable precision and durability, and allow superb all-round visibility for accurate positioning. A close-fitting hood guard is available to protect the front end from the possibility of damage during loader operation.



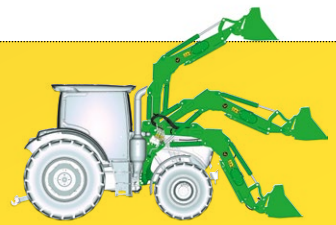
Non Self-Levelling (NSL)

Ideal for working with grain and similar bulk matter.



Mechanical Self-Levelling (MSL)

Capable of dealing with all kinds of heavy work. Levelling is maintained automatically.



Hydraulic Self-Levelling (HSL)

Perfect for handling manure, silage, bulk materials, pallets and any other heavy-duty applications. Levelling is maintained automatically.

Built for a long working life

Loads generated by operating a front loader are transferred to the middle of the rugged full frame by cast iron mounting frames for optimal weight distribution whether loaded or empty. The mounting frame design and loader kinematics are optimised to bear the heaviest of loads with ease, without obstructing access to tractor maintenance points or the front wheel steering angle. The front axle is constructed from three sturdy components, resulting in faster, easier turns, higher payload capability and very high resistance to severe stresses. Pivot points benefit from an eccentric design while the new bushings are made to manage heavy, directional loads, and are easily replaceable. The high quality of John Deere front loaders is reflected in their long guarantees and infrequent service intervals.

1

Underslung levelling link

The ingenious geometry of our front loader linkage brings several practical advantages. Because the levelling link is underslung it cannot impair the operator's view. It also conveys more power along the loader shafts, provides easy access for servicing and allows greater steering angles.

2

Automatic mast latch

Mounting our front loaders could not be quicker, safer or more convenient thanks to the built-in automatic mast latch. You need to leave the cab only once. Separating tractor and loader is just as easy.

3

Automatic implement latch

Whether you're working with buckets, forks, grapples, or bale spikes, our auto latch system allows you to automatically lock any implement. Locking is faster because complete rollback is not necessary. Unlocking is easy too, with the conveniently located release handle.

BOOSTING PRODUCTIVITY AND EASE OF OPERATION

There's a range of optional solutions that help you access all the built-in benefits of your John Deere front loader. They save valuable time, boost convenience and reduce operator fatigue.

Hydraulic implement unlatching

A cab-mounted switch allows the operator to unlatch an implement without leaving the cab. Manual unlatching can still be carried out if required. It's a straightforward system, utilising a gas accumulator/oil pressure combination to lock and unlock.

Loader lights

Purpose-built John Deere loader lights provide the consistent and reliable illumination that you need when working with a front loader in darkness or poor visibility. Being loader-mounted, the lamps follow every movement of the loader, fit perfectly and also offer exceptional value.

Combi Euro/MX Carrier

Combi Euro/SMS Carrier

Carrier choices

John Deere offers a unique combi-system which handles both Euro standard and alternative coupling standards within one carrier. The **Standard Euro Carrier**, delivered with your John Deere front loader ex-factory, fits all Euro implements that you may already have.

The **Combi Euro /SMS Carrier** works equally well with Euro and SMS implements. For ultimate convenience, our **Combi Euro/MX Carrier** is all that's required to work in the Euro or MX configuration. Re-configuration can be achieved manually but without tools within one minute.

TRACTOR/LOADER COMPATIBILITY

There's a choice of two front loader sizes for each 6M model. Whether the loader is electronically or mechanically controlled, it is operated by a dedicated valve. All loaders can be retro-fitted.

	623R (NSL, MSL, HSL)	643R (NSL, MSL, HSL)	663R (NSL, MSL)	683R (MSL)
6110M, 6120M, 6130M	●	●		
6135M, 6145M, 6155M		●	●	
6175M, 6195M			●	●

Loader suspension

The smooth operation of your John Deere tractor can be enhanced with our front loader suspension unit. Its effective damping protects the material you are handling as well as your tractor, and improves operator comfort on the road. It can be activated/deactivated from within the cab by a button, such as that on the joystick.

MemoSystem

The optional MemoSystem enables the implement to return automatically to a memorized angle. For example, when carrying out repetitive work such as loading a trailer, the procedure typically follows the same loading cycle. The MemoSystem maintains the operator's previous actions when loading the next charge into the bucket. Thanks to the system's retention of the implement's angle there is no further need to adjust the positions.

Mechanical Loader Control Valve (M-LCV)

M-LCV provides convenient, single-lever, joystick-control. Depending on tractor model, additional joystick functions include GSS, diverter valves, MemoSystem and loader suspension. See table for compatibility.

Electronic joystick

Easily the most comfortable way to operate a front loader, the electronic joystick manages up to 5 functions independently and is mounted on the redesigned right-hand console. The suspension button is located just below the grip.

ON TRACK FOR HIGHER PRODUCTIVITY

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

Automatically record all your field applications on your GreenStar 3 2630 Display: From tillage to seeding, spraying and fertilizer spreading, you can document precisely the details of each operation. Then you can transfer the data to our web portal – MyJohnDeere.com (see page 28).

StarFire 3000 receiver

Complete with an integrated Terrain Compensation Module (TCM) as well as GPS and GLONASS satellite compatibility. Entry-level accuracy SF1 is provided by John Deere at absolutely no cost to you. The receiver works seamlessly with all levels of signal accuracy and all John Deere guidance systems. Capabilities include enhanced signal sensitivity, easy activation and faster satellite acquisition. Improved satellite availability, with signals from 56 GPS and GLONASS satellites across the globe, keeps you on track even in difficult areas such as near treelines. Satellites that are just 5° above the horizon can be acquired.

The signals provide three levels of accuracy:

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

GreenStar displays

Our displays are designed to provide operators with effortless fingertip control and visual guidance for more accurate steering. They optimise the performance of both man and machine, improving productivity and minimising unnecessary fuel consumption. All are ISOBUS enabled. The GreenStar 2 1800 display is the perfect entry-level guidance and ISOBUS implement control. It has a scroll wheel for easy navigation and ten mapped letter keys for quick, one-touch operation. Installation is very straightforward: the set-up wizard ensures that you'll have the display up and running after following a few simple steps. For more precision, it can be upgraded to run automatic guidance and section control for John Deere implements.

The full-colour GreenStar 3 2630 display provides full monitoring and control over all the Agricultural Management Solutions you use in your 6M Series tractor. The display also supports advanced telematics solutions such as John Deere Remote Control Display Access and John Deere Wireless Data Transfer. The brilliant 26 cm touch-screen comes with advanced ISOBUS functionality and sets new standards for convenience, clarity and efficiency, is easy to understand and use, robust, and there are all the features and power you'll ever need, year after year.

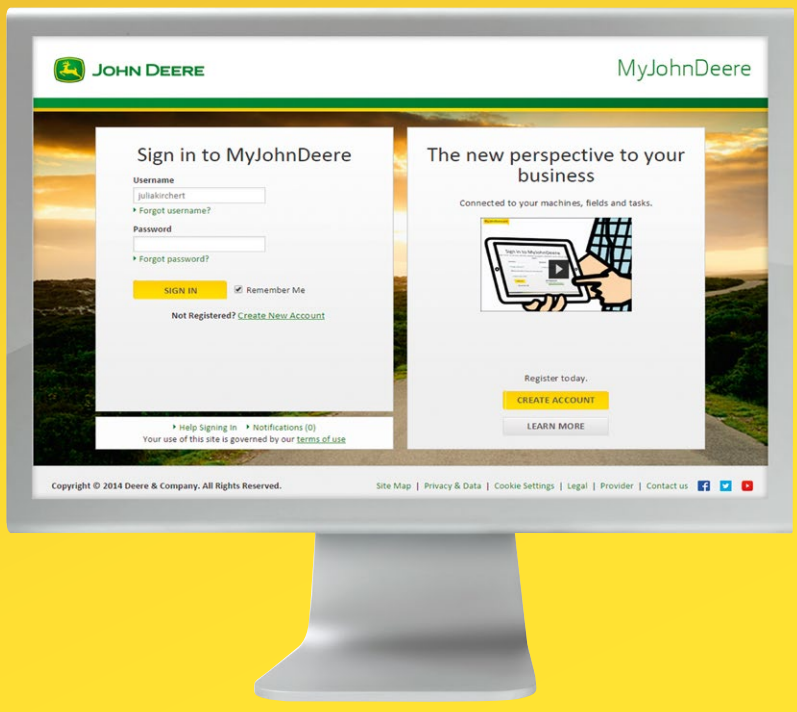
AutoTrac automatic guidance

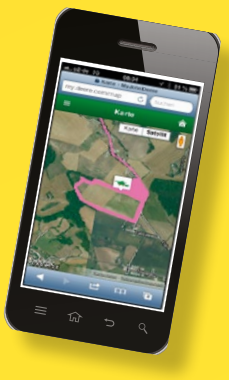
All 6M Series tractors can be specified with AutoTrac, our integrated automatic guidance system. Complete with all the advantages that automatic guidance can offer, the integrated AutoTrac system is destined to raise your productivity by reducing input costs and boosting efficiency. AutoTrac masters both straight and curved tracks and works without problems even in low visibility situations, reducing skips and overlaps, saving fertilizer, seed and fuel. You could save up to 8% on your input costs*.

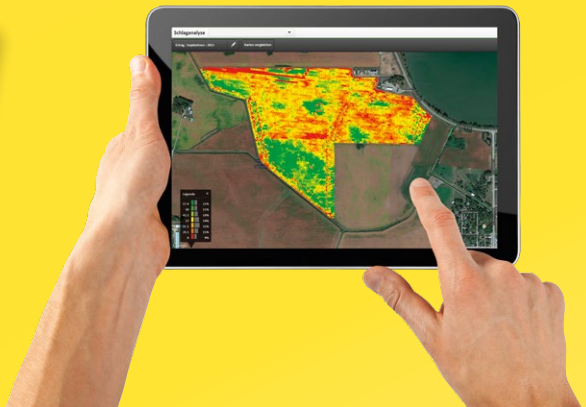
*Source: "Lohnunternehmen", 01/2010

TELEMATICS: OPTIMISING YOUR OPERATIONS

Our agricultural web portal MyJohnDeere.com unlocks the full potential of your operations. You can monitor and run your fleet of machines, stay up to date with weather forecasts for more efficient job planning and manage your land, allocate your equipment, track the work progress of your machines and view what has been achieved over the day. All from a central location and with all data in one place. With John Deere Wireless Data Transfer you can even send data “over the air” between MyJohnDeere.com and the GreenStar 3 2630 display, eliminating the risk of data loss, and saving time on data transfer. You can log on to MyJohnDeere.com from any PC or mobile device for an immediate overview of your on-going operations and share data securely with your dealer, other business partners, trusted advisors or customers.







Intelligent fleet management and control

MyJohnDeere.com opens up the smartest new way to plan, run and manage all your operations. Intuitive operation makes navigation very easy, with all relevant operational information clearly displayed on the map. It maintains an invaluable connection between you, your machines and your land, and is your portal for accessing machine performance and health monitoring data via JDLink.

Getting connected could not be easier. You can create your account at no cost whatsoever, then simply log on to new levels of efficiency and productivity.

BUY YOUR UP-TIME SOLUTION: POWERGARD

Maintenance and repair plans

In today's farming environment machine efficiency and predictable costs are the key to running a successful farming business.

Now you can purchase John Deere equipment with more confidence than ever. John Deere PowerGard is a straight forward solution to your equipment servicing and repair work designed to help you budget your operating cost.

With flexible coverage options PowerGard is the tailored aftermarket solution to keep your machine running at peak performance and control your operating costs.

PowerGard Maintenance Plan

– Ensures your machine's reliability

PowerGard Protection Plan

– Your entrance to comprehensive machine protection

PowerGard Protection Plus Plan

– Ultimate financial peace of mind for your investment

Your benefits

– Maximum Uptime. Security.

COMPONENTS COVERED*		POWERGARD PROTECTION	POWERGARD PROTECTION PLUS
Engine	Basic Engine	✔	✔
Engine Auxiliaries	Intake & Exhaust System		✔
	Engine Electrical Parts		✔
	Engine Cooling System		✔
	Fuel Supply System		✔
Electrical	Electrical Systems		✔
Power Train	Transmission, Differential, PTO, Axles and Final Drives	✔	✔
	Transmission Oil Coolers		✔
Steering and Brakes	Wet Brake Components	✔	✔
	Brake Systems		✔
	Steering	✔	✔
	Steering Cylinders		✔
Hydraulics	Hydraulic System		✔
Frame, Members, Miscellaneous	Frame	✔	✔
	Non-driven Axles Hubs & Bearings	✔	✔
Operator's Station	Monitors		✔
	Operator Controls		✔
	Operator Station (Cab, Platform)		✔

*Covered components may vary according to machine options.

ADDING VALUE

We're all individuals, and we all have our personal preferences and priorities. So we've made it easy to put your own personal stamp on your tractor. Configuring your 6M to fit the needs of your business with genuine John Deere attachments will increase convenience and productivity – and make a great machine even better.

All genuine John Deere attachments are manufactured to the same demanding standards as all our original equipment, so longevity and a perfect fit are guaranteed.

Seat covers

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

Floor mats

Reduce noise levels and protect the cab floor with our high quality floor mat. Customized to fit the 6M cab perfectly.

Monitor brackets

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

Add more **Do More**

Ballast solutions

Intelligent ballasting optimises tractor performance by bringing more power to the ground, reducing fuel consumption and improving traction and ride comfort.

Sunshades

Keep the sun out of your eyes. Available for the front and rear window.

Internal and external rear view mirrors

Visibility enhancements to ensure the best view at all times no matter what the job or weather conditions.

Choice of hitches

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

Specifications

Model	6110M	6120M	6130M	6135M	6145M	6155M	6175M	6195M
ENGINE PERFORMANCE								
Rated power (97/68EC), hp (kW)	110 (81)	120 (88)	130 (96)	135 (99)	145 (107)	155 (114)	175 (129)	195 (143)
Max. power (97/68EC) hp (kW)	116 (85)	126 (93)	137 (101)	142 (105)	153 (113)	164 (120)	185 (136)	206 (151)
Rated power (ECE-R24) hp (kW)	105 (77)	114 (84)	120 (90)	129 (95)	139 (102)	150 (110)	167 (123)	188 (138)
Max. power (ECE-R24), hp (kW)	111 (82)	122 (90)	131 (96)	137 (101)	148 (109)	159 (117)	178 (131)	200 (147)
Constant power range, rpm	2100-1600							
Torque reserve, % percentage	35%							
Maximum torque, Nm (at 1500 engine rpm)	497	542	587	610	655	700	790	880
Rated speed, rpm	2100							
Manufacturer	John Deere Power System							
Type	PowerTech PSS					PowerTech PVS		PowerTech PSS
Aftertreatment	Lifetime Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) using DEF							
Engine air filter	PowerCore® G2 air filter with pre-cleaning							
Aspiration	Dual turbochargers, variable geometry turbo with fixed geometry turbo in series					Variable geometry turbocharger		Dual turbochargers, variable geometry turbo with fixed geometry turbo in series
Cylinders / Displacement	4/4.5l					6/6.8l		
Cooling system	Distributed cooling system with temperature controlled viscous fan drive							
Fuel injection system & control	High pressure common rail system with up to 2000bar injection pressure, electronically controlled					High pressure common rail system with up to 2500bar injection pressure, electronically controlled		
TRANSMISSIONS								
PowrQuad Plus								
16/16 2.4 - 30 km/h	●	●	●	●	●			
16/16 3.2 - 38 km/h	●	●	●					
20/20 2.5 - 40 km/h						●	●	●
24/24 1.4 - 40 km/h	●	●	●	●	●			
AutoQuad Plus								
20/20 2.5 - 40 km/h						●	●	●
24/24 1.4 - 40 km/h	●	●	●	●	●			
AutoQuad Plus EcoShift								
20/20 2.5 - 40 km/h						●	●	●
24/24 1.4 - 40 km/h	●	●	●	●	●			
CommandQuad Plus								
20/20 2.5 - 40 km/h						●	●	●
24/24 1.4 - 40 km/h	●	●	●	●	●			
CommandQuad Plus EcoShift								
20/20 2.5 - 40 km/h						●	●	●
24/24 1.4 - 40 km/h	●	●	●	●	●			
Creeper (PowrQuad Plus, AutoQuad Plus and AutoQuad Plus Ecoshift)	●	●	●	●	●	●		
AXLES								
Suspended front axle (option)	Triple Link Suspension (TLS) 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-hydraulical with oil cooled clutch							
Rear axle	Flange axle							
STEERING								
Type	Dynamic load sensing, hydrostatic, flow metering							
HYDRAULIC SYSTEM								
Type	Pressure Compensated (PC) / Pressure & Flow Compensated (PFC) system with load sensing function					Pressure & Flow Compensated (PFC) system with load sensing function		
Flow at rated engine speed base/option, l/min	80 / 114					114		
Selective control valves	Up to 4+3							
Power beyond	Optional							
Oil take out capacity with overfill, l	25					35		
Oil take out capacity with additional oil reservoir, l	37					47		

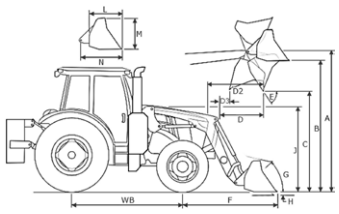
Model	6110M	6120M	6130M	6135M	6145M	6155M	6175M	6195M
3-POINT HITCH - Rear								
Type	Electronic lower link sensing; load & depth control, infinite mix, float							
Category	II/IIIN			IIIN	IIIN/III	III		
Maximum lift capacity at hooks, kg (base/option)	3950/5300	3950/5300	4600/6000	5300/6800	6000/6800	7200/8100	8500	8500
Lift capacity through full lift range (OECD 610mm), kg (base/option)	2500/3400	2500/3400	2900/3800	3400/4300	3800/4300	3700/4200	4850	4850
Lift capacity through full lift range (OECD 1800mm), kg (base/option)	1550/2100	1550/2100	1800/2350	2100/2650	2350/2650	2800/3200	3400	3400
3-POINT HITCH - Front, optional								
Type	Front hitch controlled by rear SCV							
Category	IIIN							
Maximum lift capacity at hooks, kg	4000							
Lift capacity through full lift range (OECD at the hooks), kg	3300							
REAR PTO								
	Electro-hydraulically engaged, oil cooled, multi-disc design							
Engine rpm at rated PTO speeds with 540/1000 option	1967/1962					1987/2000	1950/1950	
Engine rpm at rated PTO speeds with 540/540E/1000 option	1967/1496/1962					1987/1753/2000	1950/1721/1950	
FRONT PTO, optional								
Type	Electro-hydraulically engaged, oil cooled							
Engine speed at rated PTO speed (1000), rpm	1969							
CAB								
Specifications	310° all-round vision, telescoping and tiltable steering column/wheel							
Suspension (option)	Mechanical cab suspension MCS							
Noise level at operator's ear, dB(A)	71							
Cab glass area, m²	4.79							
Display	Integrated into dashboard							
MISCELLANEOUS								
AutoTrac Ready	Optional							
ISOBUS implement connection	Optional							
Immobilizer	Optional							
Trailer brake systems (options)	Hydraulic and/ or pneumatic system							
CAPACITIES								
Fuel Tank, l	195	195	195	265	265	270	325	325
Engine coolant, l	22			27			28	
DIMENSIONS AND WEIGHTS								
Wheelbase, mm	2580			2765			2800	
Width x Height x Length, mm	2490 x 2880 x 4485			2490 x 2930 x 4690	2490 x 2930 x 4730	2490 x 2970 x 4730	2550 x 3100 x 4990	
Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tires/ max. rear tire sizes.								
Ground clearance, mm	490			540	530		545	
Measured at center of front axle, using max. front and max. rear tire sizes								
Shipping weight, kg	5800			6200		6700	7500	
Measured with average specifications								
Maximum permissible gross weight, kg	8650	9150	9150	9950	10000	11000	12300	12300
TIRE SIZES								
Front tire sizes, max. available (diameter in cm)	540/65R24 (134)			540/65R28 (144)			600/65 R28 (152)	
Rear tire sizes, max. available (diameter in cm)	600/65R38 (178)			650/65R38 (185)			710/70 R38 (200)	

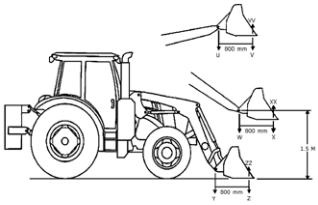
Specifications

The American Society of Agricultural and Biological Engineers is an educational and scientific organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems. Founded in 1907 and headquartered in St. Joseph, Michigan, ASABE comprises 8,000 members in more than 100 countries.

TRACTOR MODEL				6110M/6120M/6130M		6110M/6120M/6130M	
FRONT TIRE				480/70R24		480/70R24	
REAR TIRE				520/70R38		520/70R38	
WHEELBASE		(WB)	in / mm	2580		2580	
PUMP CAPACITY			gpm / lpm	114		114	
RATED PRESSURE			psi	2900		2900	
LOADER				**623R NSL**		**623R MSL**	
BUCKET				Standard Bucket 1850mm		Standard Bucket 1850mm	
BUCKET WEIGHT			lb / kg	520	236	520	236
LIFT CAPACITY @ FULL HIEGHT	MEASURED @ PIVOT	(U)	lb / kg	5781	2622	5265	2388
	MEASURED @ 800mm AHEAD OF PIVOT	(V)	lb / kg	3874	1757	5009	2272
LIFT CAPACITY @ 59 in (1.5m)	MEASURED @ PIVOT	(W)	lb / kg	6016	2729	6023	2732
	MEASURED @ 800mm AHEAD OF PIVOT	(X)	lb / kg	4632	2101	5692	2582
BOOM BREAKOUT	MEASURED @ PIVOT	(Y)	lb / kg	6263	2841	6733	3054
	MEASURED @ 800mm AHEAD OF PIVOT	(Z)	lb / kg	4553	2065	5730	2599
BUCKET ROLLBACK FORCE	@ MAXIMUM HEIGHT	(VV)	lb / kg	4978	2258	5137	2330
	@ 59 in (1.5m) LIFT HEIGHT	(XX)	lb / kg	9367	4249	9407	4267
	@ GROUND LEVEL	(ZZ)	lb / kg	9608	4358	9570	4341
MAXIMUM LIFT HEIGHT		(A)	in / mm	162	4124	162	4124
CLEARANCE	@ FULL HEIGHT - BUCKET LEVEL	(B)	in / mm	152	3854	152	3854
	@ FULL HEIGHT - BUCKET DUMPED	(C)	in / mm	122	3088	122	3088
OVERALL LENGTH		(WB+F)	in / mm	202	5128	202	5128
DIGGING DEPTH		(H)	in / mm	-4	-91	-4	-91
REACH	@ MAXIMUM HEIGHT	(D)	in / mm	30	759	30	759
	@ GROUND - BUCKET LEVEL	(F)	in / mm	100	2548	100	2548
BUCKET ANGLES	DUMP ANGLE @ FULL HEIGHT	(E)	degrees	-59		-59	
	ROLLBACK @ GROUND	(G)	degrees	48		48	
	DUMP ANGLE @ GROUND		degrees	-151		-96	
CYCLE TIMES	LOADER RAISE		sec	3,43		3,37	
	LOADER LOWER		sec	2,57		2,53	
	BUCKET DUMP		sec	2,65		1,81	
	BUCKET ROLLBACK		sec	1,81		1,81	

TRACTOR MODEL				6110M/6120M/6130M		6110M/6120M/6130M	
FRONT TIRE				480/70R24		480/70R24	
REAR TIRE				520/70R38		520/70R38	
WHEELBASE		(WB)	in / mm	2580		2580	
PUMP CAPACITY			gpm / lpm	114		114	
RATED PRESSURE			psi	2900		2900	
LOADER				**643R NSL**		**643R MSL**	
BUCKET				HEAVY DUTY 2200mm		HEAVY DUTY 2200mm	
BUCKET WEIGHT			lb / kg	683	310	683	310
LIFT CAPACITY @ FULL HIEGHT	MEASURED @ PIVOT	(U)	lb / kg	5582	2532	5013	2274
	MEASURED @ 800mm AHEAD OF PIVOT	(V)	lb / kg	3902	1770	5137	2330
LIFT CAPACITY @ 59 in (1.5m)	MEASURED @ PIVOT	(W)	lb / kg	5891	2672	5789	2626
	MEASURED @ 800mm AHEAD OF PIVOT	(X)	lb / kg	4614	2093	5465	2479
BOOM BREAKOUT	MEASURED @ PIVOT	(Y)	lb / kg	6241	2831	6548	2970
	MEASURED @ 800mm AHEAD OF PIVOT	(Z)	lb / kg	4698	2131	5728	2598
BUCKET ROLLBACK FORCE	@ MAXIMUM HEIGHT	(VV)	lb / kg	5247	2380	5512	2500
	@ 59 in (1.5m) LIFT HEIGHT	(XX)	lb / kg	9328	4231	9566	4339
	@ GROUND LEVEL	(ZZ)	lb / kg	9740	4418	9656	4380
MAXIMUM LIFT HEIGHT		(A)	in / mm	163	4151	163	4151
CLEARANCE	@ FULL HEIGHT - BUCKET LEVEL	(B)	in / mm	153	3881	153	3881
	@ FULL HEIGHT - BUCKET DUMPED	(C)	in / mm	123	3136	122	3111
OVERALL LENGTH		(WB+F)	in / mm	214	5424	214	5424
DIGGING DEPTH		(H)	in / mm	-3	-84	-3	-86
REACH	@ MAXIMUM HEIGHT	(D)	in / mm	39	982	39	982
	@ GROUND - BUCKET LEVEL	(F)	in / mm	112	2844	112	2844
BUCKET ANGLES	DUMP ANGLE @ FULL HEIGHT	(E)	degrees	-56		-60	
	ROLLBACK @ GROUND	(G)	degrees	48		48	
	DUMP ANGLE @ GROUND		degrees	-140		-119	
CYCLE TIMES	LOADER RAISE		sec	3,50		3,31	
	LOADER LOWER		sec	2,63		2,48	
	BUCKET DUMP		sec	2,65		1,81	
	BUCKET ROLLBACK		sec	1,81		1,81	





6135M	6135M	6145M/6155M	6145M/6155M	6135M
480/70R28	480/70R28	480/70R28	480/70R28	540/65R30
580/70R38	580/70R38	580/70R38	580/70R38	650/65R42
2765	2765	2765	2765	2765
114	114	114	114	114
2900	2900	2900	2900	2900
643R NSL	**643R MSL**	**643R NSL**	**643R MSL**	**663R NSL**
HEAVY DUTY 2200mm	HEAVY DUTY 2200mm	HEAVY DUTY 2200mm	HEAVY DUTY 2200mm	HEAVY DUTY 2450mm
683 310	683 310	683 310	683 310	783 355
5628 2553	4892 2219	5712 2591	4941 2241	5721 2595
3926 1781	4965 2252	4006 1817	5024 2279	4134 1875
5959 2703	5730 2599	6146 2788	5878 2666	6146 2788
4656 2112	5359 2431	4806 2180	5516 2502	4874 2211
6195 2810	6455 2928	6493 2945	6684 3032	6398 2902
4590 2082	5516 2502	4824 2188	5754 2610	4837 2194
5227 2371	5688 2580	5399 2449	5622 2550	6012 2727
9489 4304	9583 4347	9577 4344	9636 4371	9989 4531
9623 4365	9502 4310	9758 4426	9632 4369	10018 4544
172 4358	172 4358	169 4300	169 4300	179 4555
161 4088	161 4088	159 4030	159 4030	169 4285
132 3344	131 3322	129 3281	128 3260	139 3531
215 5458	215 5458	217 5503	217 5503	221 5606
-3 -82	-3 -82	-6 -145	-6 -145	-2 -46
32 806	32 806	33 841	33 841	39 989
106 2693	106 2693	108 2738	108 2738	112 2841
-55	-59	-56	-60	-57
47	47	48	48	47
-145	-116	-144	-117	-143
3,70	3,52	3,70	3,52	3,98
2,78	2,64	2,78	2,64	2,75
2,65	1,81	2,65	1,81	2,65
1,81	1,81	1,81	1,81	1,81

6135M	6145M/6155M	6145M/6155M	6175M/6195M	6175M/6195M	6175M/6195M
540/65R30	540/65R30	540/65R30	540/65R30	540/65R30	600/70R28
650/65R42	650/65R42	650/65R42	650/65R42	650/65R42	650/85R38
2765	2765	2765	2800	2800	2800
114	114	114	114	114	114
2900	2900	2900	2900	2900	2900
663R MSL	**663R NSL**	**663R MSL**	**663R NSL**	**663R MSL**	**683R MSL**
HEAVY DUTY 2450mm	HEAVY DUTY 2450mm	HEAVY DUTY 2450mm	HEAVY DUTY 2450mm	HEAVY DUTY 2450mm	HEAVY DUTY 2450mm
783 355	783 355	783 355	783 355	783 355	783 355
5165 2343	5602 2541	5051 2291	5650 2563	5097 2312	5501 2495
5269 2390	4065 1844	5130 2327	4094 1857	5185 2352	5525 2506
6204 2814	6142 2786	6180 2803	6144 2787	6191 2808	6691 3035
5829 2644	4872 2210	5820 2640	4874 2211	5825 2642	6323 2868
7033 3190	6493 2945	7083 3213	6455 2928	7064 3204	7606 3450
6113 2773	4921 2232	6191 2808	4888 2217	6160 2794	6702 3040
6014 2728	6074 2755	6074 2755	6049 2744	6049 2744	6590 2989
9976 4525	9972 4523	9960 4518	9978 4526	9967 4521	9835 4461
9998 4535	10040 4554	10009 4540	10031 4550	10005 4538	9753 4424
179 4555	177 4495	177 4495	178 4520	178 4520	176 4480
169 4285	166 4225	166 4225	167 4249	167 4249	166 4209
139 3518	136 3466	136 3453	137 3492	137 3480	135 3437
221 5606	222 5651	222 5651	223 5668	223 5668	227 5769
-2 -46	-4 -112	-4 -112	-3 -85	-3 -85	-5 -126
39 989	40 1026	40 1026	40 1004	40 1004	53 1335
112 2841	114 2886	114 2886	113 2868	113 2868	117 2969
-59	-58	-60	-58	-60	-60
47	47	48	48	48	48
-113	-143	-114	-143	-114	-116
3,91	3,98	3,91	3,98	3,91	4,19
2,70	2,75	2,70	2,75	2,70	2,89
1,81	2,65	1,81	2,65	1,81	1,81
1,81	1,81	1,81	1,81	1,81	1,81

NOTHING RUNS LIKE A DEERE.

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

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

JOHN DEERE

JOHN DEERE FINANCIAL

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