

# 6R SERIES

NOW WITH COMMANDPRO™



JOHN DEERE



# NOW WITH COMMANDPRO

MASTER THE POWER AND TECHNICAL SOPHISTICATION OF THE  
6R WITH OUR REMARKABLE OPERATOR INTERFACE.





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# YOUR VERSATILE WORKFORCE

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



## GETTING THINGS DONE

You'll master even the toughest days on the biggest jobs with the 6R's awesome power and comfortable ride – at a level of efficiency that seeks its equal.



### 1 | PULLS MORE

Less power losses and more pulling power. That's the 6R difference.

### 2 | COMFORT

TLS™ Plus front axle Suspension and Adaptive Hydraulic Cab Suspension (HCS) Plus work together to provide the best ride & drive experience.

### 3 | LOW COST OF OWNERSHIP

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

#### 4 | ENGINE PERFORMANCE

The 4.5 L or 6.8 L John Deere engines with up to 250 hp rated power give you fantastic power at reduced operating costs.

#### 5 | TRANSMISSIONS

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

#### 6 | AXLES AND TYRES

TLS™ PLUS and Variable Ratio Steering in the front axle for outstanding comfort. Large tyres at the back for maximum pull.



#### 8 | OUTSTANDING CAB

Extra spacious 3.33 m<sup>3</sup> very quiet 71 dB(A) cab, manufactured to automotive industry standards.

#### 9 | COMMANDPRO

Perfect ergonomics, driving strategy and reconfigurability.

#### 10 | ISOBUS AND GUIDANCE

Versatile ISOBUS on the CommandCenter™, plus our popular AutoTrac™ guidance system.

## 7 | STRONG HYDRAULICS

Up to six rear selective control valves (SCVs) and 160 L/min hydraulic flow.

### GOT FRONT LOADER WORK?

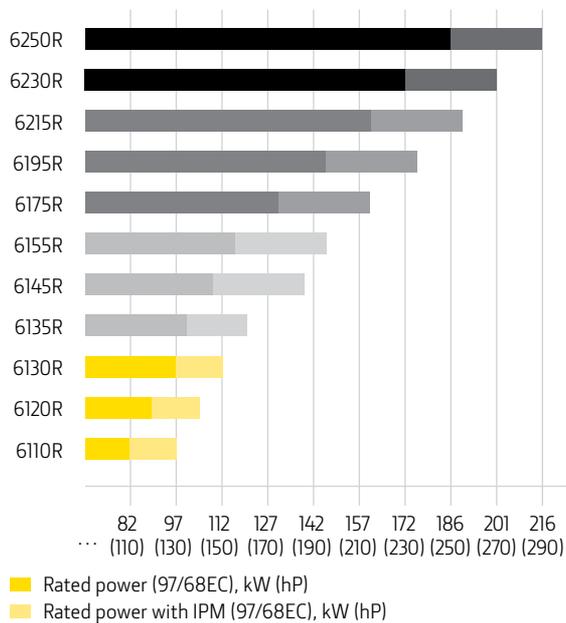
This tractor wants it. Its short wheelbase and open view cab will have you moving about nimbly while doing all the heavy lifting you've got for it.



## 11 | CONNECTIVITY INSIDE

JDLink™ enables remote servicing and operator support.

### ENGINE PERFORMANCE



# WHICH 6R IS YOURS?

Finding your 6R is easy. Whether you are a livestock farmer, arable farmer, mixed farmer or run a contracting business – one of these tractors was made for you.

## MAXIMUM DURABILITY

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



## SMALL FRAME: COMPACT AND AGILE

Great for livestock operations – mowing, tedding, baling and feeding. The short wheelbase and open view cab make it ideal for front loader work.





**XTRA-LARGE FRAME:  
LIGHT. STRONG. SMART.**

More power on the front PTO and increased lift capacity at the front and in the back – ready for the heavy stuff.



**MID FRAME:  
VERSATILE AND STRONG**

Earns its keep in Ag operations from small to large because it's strong enough to handle even heavier field work such as seeding and tillage.



**LARGE FRAME:  
THE POWER TO PERFORM**

For the heavy-duty end of the work spectrum with top on-road performance requirements, you can't do better than these. Contractors take note!



# 6R SMALL FRAME TRACTORS

COMPACT AND AGILE



## WEIGHT & DIMENSIONS

Sure to fit through any of your shed doors and easy to manoeuvre anywhere you need to go for your front loader work – the short wheelbase makes it possible.

 **5,900 KG<sup>^</sup>**

Shipping weight (measured with average specifications)



## ENGINES

	6110R	6120R	6130R
Cylinders	4	4	4
Displacement (L)	4.5	4.5	4.5
Rated power (ECE-R120)	82 kW (110 hp)	89 kW (120 hp)	97 kW (130 hp)
Rated power with IPM (ECE-R120) @ 2,100 rpm	97 kW (130 hp)	104 kW (139 hp)	112 kW (150 hp)
Emission standard	FT4	FT4	FT4



**4.5 L POWER-TECH PSS 4-CYLINDER ENGINE**

## TRANSMISSIONS



PowrQuad – 4 gears/  
6 groups (24/24)



AutoQuad – 4 gears/  
6 groups (24/24)



AutoPowr – IVT

Rely on our proven PowrQuad™ Plus and AutoQuad™ Plus transmission systems or choose top-of-the-line AutoPowr™ for superior operational ease combined with the best fuel efficiency.

\*With 540/65R24 front tyres and 600/65R38 rear tyres  
^6110R: 5,300 kg

# 6R MID FRAME TRACTORS

VERSATILE AND STRONG



## WEIGHT & DIMENSIONS

Our mid frames sit right in the sweet spot between agility and powerful performance – ready for anything.

 **6,600 KG<sup>^</sup>**

Shipping weight (measured with average specifications)



## ENGINES

	6135R	6145R	6155R
Cylinders	4	6	6
Displacement (L)	4.5	6.8	6.8
Rated power (ECE-R120)	101 kW (135 hp)	108 kW (145 hp)	116 kW (155 hp)
Rated power with IPM (ECE-R120) @ 2,100 rpm	123 kW (165 hp)	138 kW (185 hp)	145 kW (194 hp)
Emission standard	FT4	FT4	FT4



**6.8 L POWER-TECH PVS 6-CYLINDER ENGINE**

## TRANSMISSIONS<sup>†</sup>



PowrQuad™ – 4 gears/ 5 groups (20/20)



AutoQuad™ – 4 gears/ 5 groups (20/20)



DirectDrive – 8 gears/ 3 groups (24/24)



AutoPowr™ – IVT

<sup>\*</sup>With 540/65R28 front tyres and 600/65R38 rear tyres  
<sup>^</sup>6135R: 6,100 kg  
<sup>†</sup>6135R: DirectDrive not available, only compatible with "Small Frame Tractor" transmission options. See page 11

# 6R LARGE FRAME TRACTORS

THE POWER TO PERFORM



## WEIGHT & DIMENSIONS

The large wheelbase provides a rock solid and comfortable ride in a wide range of paddock applications and transport scenarios.

 **7,800 KG<sup>^</sup>**

Shipping weight (measured with average specifications)



## ENGINES

	6175R	6195R	6215R
Cylinders	6	6	6
Displacement (L)	6.8	6.8	6.8
Rated power (ECE-R120)	130 kW (175 hp)	145 kW (195 hp)	160 kW (215 hp)
Rated power with IPM (ECE-R120) @ 2,100 rpm	160 kW (215 kW)	175 kW (235 hp)	190 kW (255 hp)
Emission standard	FT4	FT4	FT4



**6.8 L POWER-TECH PVS 6-CYLINDER ENGINE**

## TRANSMISSIONS



PowrQuad™ – 4 gears/ 5 groups (20/20)



AutoQuad™ – 4 gears/ 5 groups (20/20)



DirectDrive™ – 8 gears/ 3 groups (24/24)



AutoPowr™ – IVT

\*With 600/70R30 front tyres and 800/70R38 rear tyres  
<sup>^</sup>6175R: 7,000kg

# 6R XTRA LARGE FRAME TRACTORS

LIGHT. STRONG. SMART.

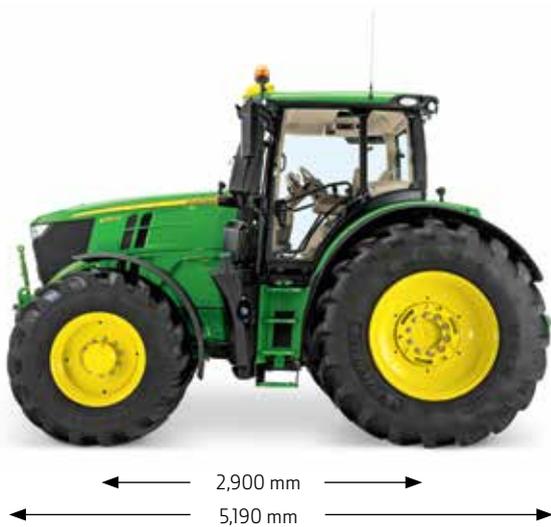


## WEIGHT & DIMENSIONS

The even longer wheelbase (+100 mm) and the enormous 2.05 m tyres help get the awesome power of the extra-large frame models to the ground with total efficiency.

 **9,500 KG**

Shipping weight (measured with average specifications)



## ENGINES

	6230R	6250R
Cylinders	6	6
Displacement (L)	6.8	6.8
Rated power (ECE-R120)	169 kW (227 hp)	184 kW (246 hp)
Rated power with IPM (ECE-R120) @ 2,100 rpm	199 kW (267 hp)	213 kW (286 hp)
Emission standard	FT4	FT4



**6.8 L POWER-TECH PSS 6-CYLINDER ENGINE**

## TRANSMISSIONS



AutoPowr – IVT

The superior ease of operation of our top-of-the-line AutoPowr™ transmission complements the power and torque of your 6R – experience outstanding fuel efficiency and exceptionally high levels of operating comfort.

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

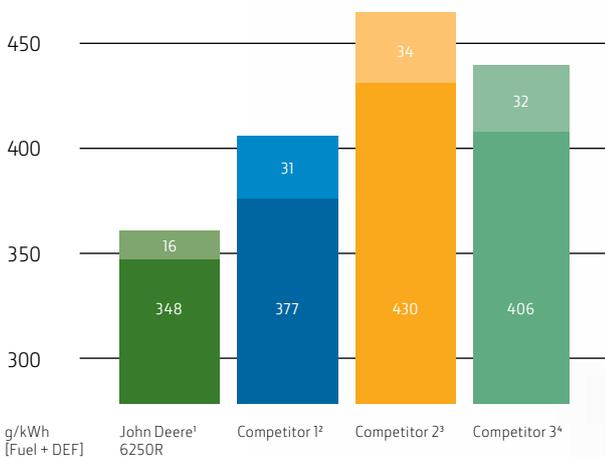
# OUTSTANDING EFFICIENCY

How much power does a tractor actually deliver? Engine specification in the market can be deceiving. What matters is not the engine power or the decal on the bonnet, it's the power that can be transmitted to the ground or to the PTO.



## 6250R DLG POWERMIX TRANSPORT 2.0

Get all the power you need and save big on fuel: Tested according to the PowerMix Transport 2.0 procedure (Status 1.8.2018), the 6250R delivered the lowest fuel consumption compared to the competitors tested.



<sup>1</sup> Profi Test Results 06/2018, Page 12  
<sup>2</sup> Profi International Test Results 05/2018, Page 12  
<sup>3</sup> Profi International Test Results 07/2018, Page 14  
<sup>4</sup> Profi International Test Results 06/2018, Page 14

**THE 6R DELIVERS OVER 93% OVERALL TRACTOR EFFICIENCY**



## ENGINEERED FOR EFFICIENCY

Large surface cooling package (1) with better airflow. High torque and excellent fuel economy at rated speeds and maximum efficiency transmissions (2). Superior axle design and wide, up to 2.05 m tyres (3) help put all that power to the ground.



# POWER WITHOUT LIMITS

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 (FT4 compliant). All our 6 cyl. engines feature extended drain intervals of up to 750 hours.\*

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

## SERIES TURBOCHARGERS

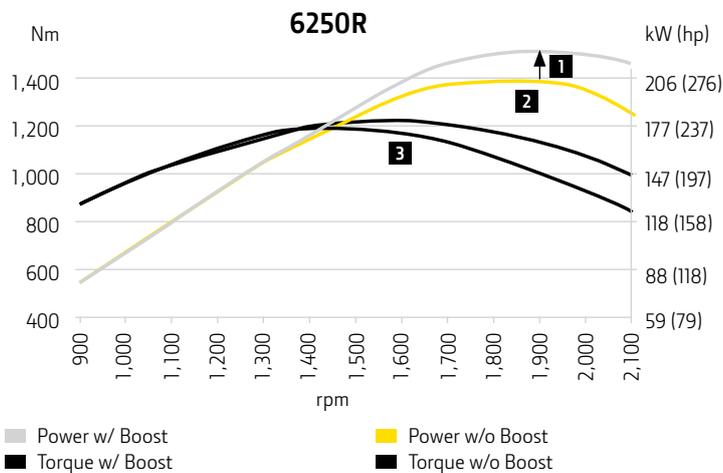
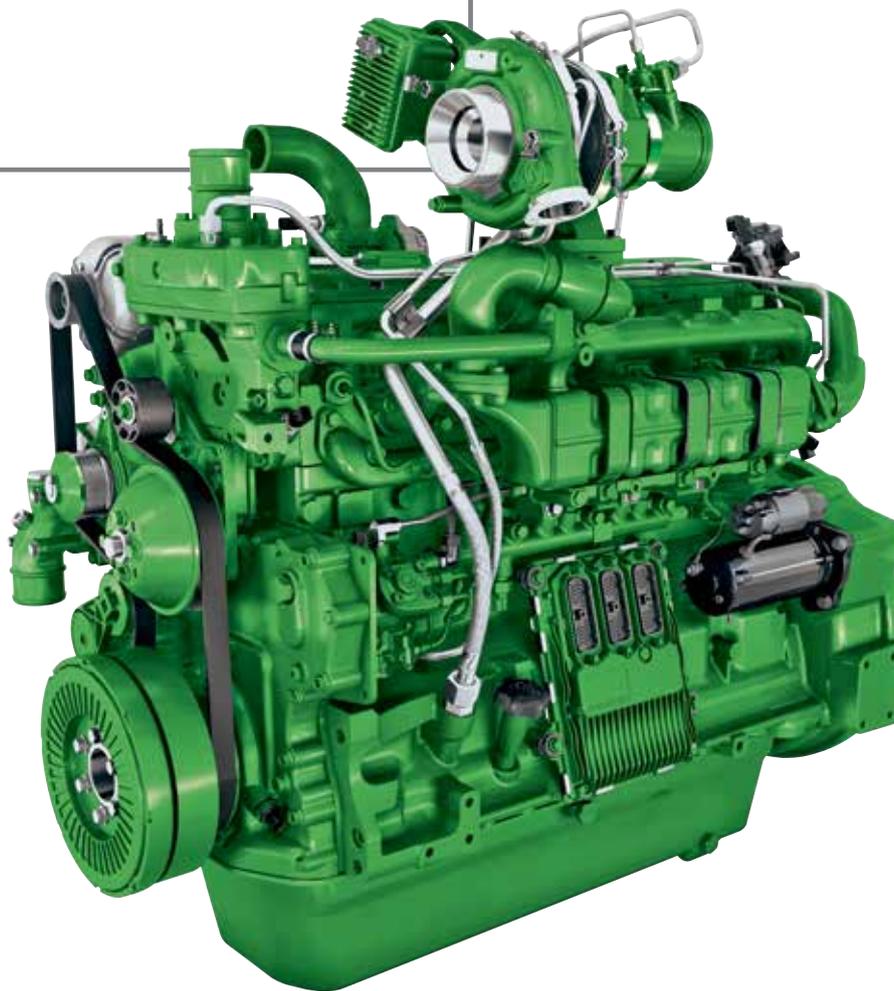
The series turbochargers deliver more low-speed torque and engine responsiveness to meet varying load requirements.



Our 4.5 L PSS engines (6110R, 6120R, 6130R and 6135R) use a 2-stage turbocharging system in which the Variable Geometry Turbocharger (VGT) multiplies the pressure created by a fixed vane turbocharger. This sequential arrangement boosts power to achieve up to 123 kW (165 hp) (max with IPM) in the 6135R.

\*with John Deere Plus-50 II™ Premium Engine Oil when used with John Deere filters

**LONG 750 HOUR OIL CHANGE INTERVAL\***



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 6145R - 6215R 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.

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

# POWRQUAD™ PLUS AND AUTOQUAD™ PLUS

## PROVEN TRANSMISSION TECHNOLOGY

Our proven PowrQuad Plus and AutoQuad Plus transmissions provide superior ease of operation to complement the power and torque of your 6R.

Both transmissions can be ordered with a creeper option for small and mid-frame models to achieve speeds as low as 72 m/h at 1,000 rpm.



### POWRQUAD PLUS

We offer two versions, 20/20 and 24/24, with availability depending on tractor model. 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

All the benefits of PowrQuad Plus with the added convenience of automatic gear shifting and a maximum speed of 50 km/h. 20/20 and 24/24 versions are available. With the EcoShift option a transport speed of 40 km/h is maintained at only 1,533 rpm, reducing fuel consumption and emissions.

# DIRECTDRIVE

## ADVANCED DUAL CLUTCH TECHNOLOGY

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

### 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.

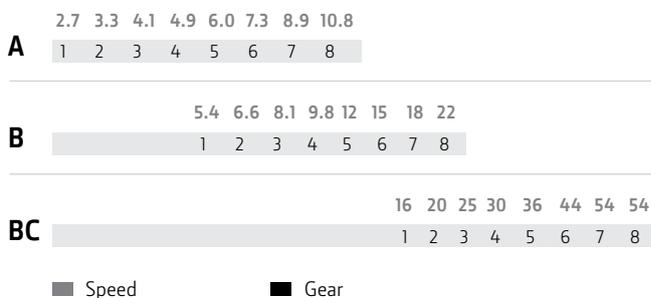
### BETTER FUEL ECONOMY

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.

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



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

# AUTOPOWR™

## INFINITE SPEED ADJUSTMENT

AutoPowr is a hydro-mechanical transmission that delivers stepless and continuous power at speeds between 0.05 km/h and 50 km/h.

## 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 6230R and 6250R tractors.

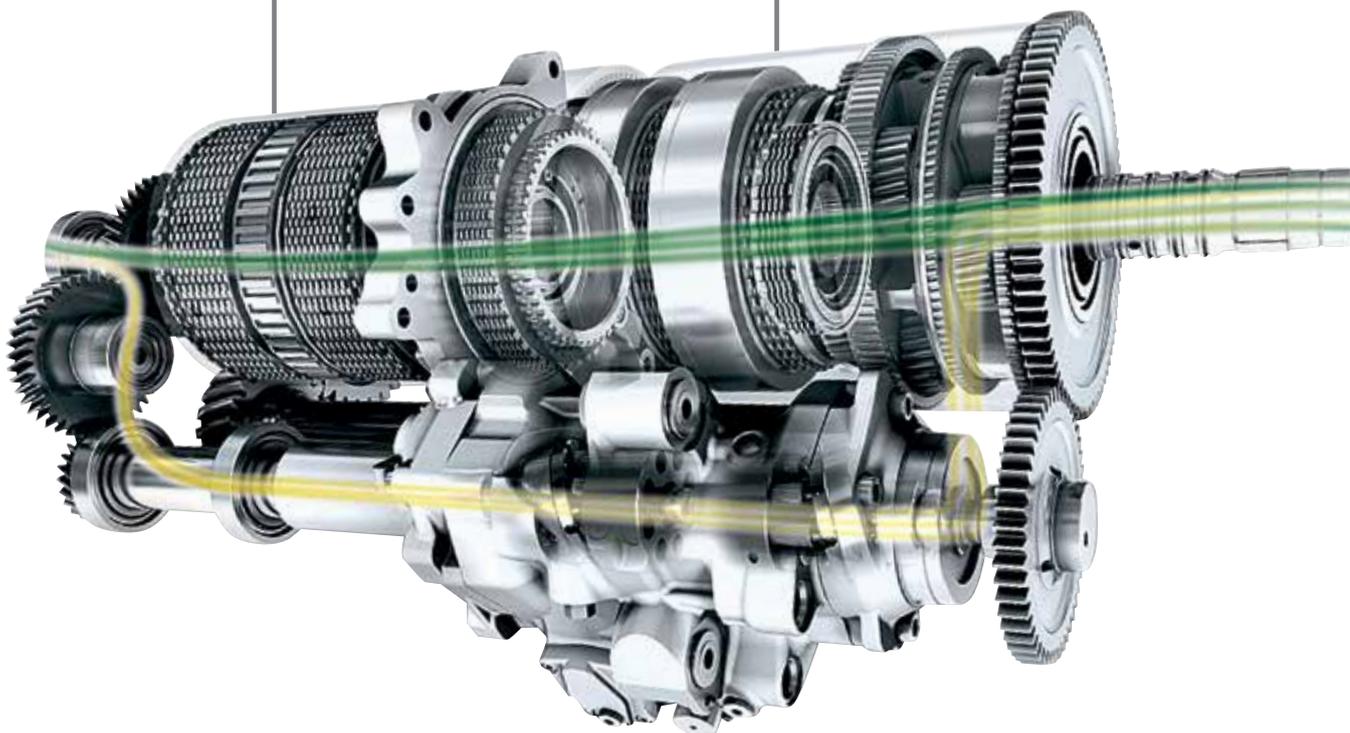
## TWO CONTROL LAYOUTS

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

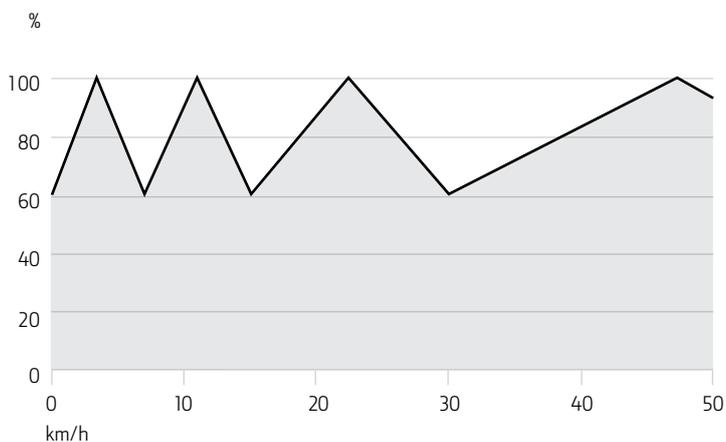


- 1 | Set-speed adjusting wheel
- 2 | Speed band two
- 3 | Speed band one

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



■ Mechanical power  
■ Hydrostatic power



**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.

# GREAT RIDE, ALL THE POWER

The Triple Link Suspension (TLS) Plus not only guarantees optimum traction and field performance, it also applies up to 10% more power to the ground.

It also ensures higher operator comfort, reduces operator fatigue and increases productivity, while Variable Ratio Steering improves in-field manoeuvrability.



Variable Ratio Steering off

Variable Ratio Steering on



## VARIABLE RATIO STEERING

Improves operator comfort, requiring less hand movement and less steering effort when turning on the headland or working with a loader in confined spaces. The resulting faster turning of the steering wheel increases hydraulic flow, leading to quicker response of the tyres. Available for all 6R models\*.

\*Not available on 6155RH

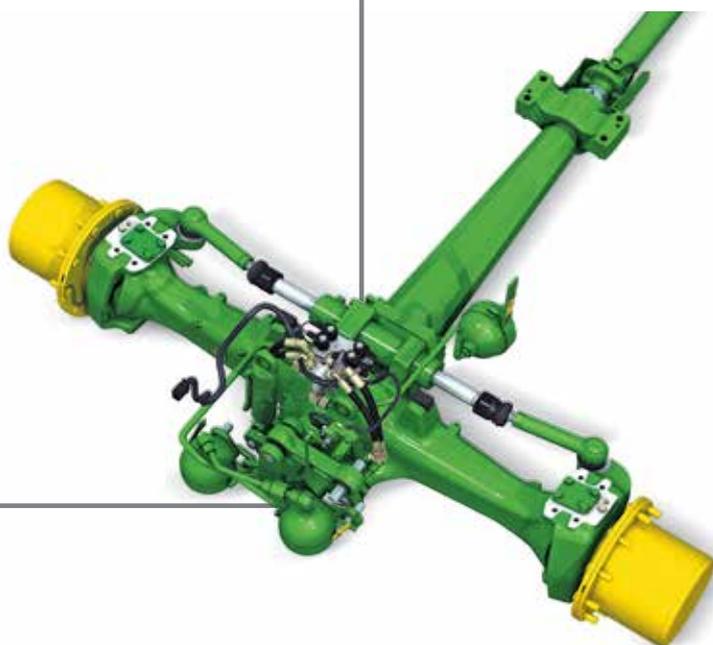
## ENHANCED OPERATOR COMFORT

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.



### **ADAPTIVE FRONT AXLE**

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



# COMMANDPRO™ JOYSTICK

Mastering the power of the 6R Series tractors is simple with the new CommandPRO joystick and its 11 reconfigurable buttons. It's the ultimate driver interface for making every work day even more comfortable and productive.

## THE ULTIMATE DRIVER INTERFACE

- Set top and zero speeds with one simple push or pull
- Creeping control from 0 to 2 km/h
- Simultaneously active pedal and joystick driving
- ActiveZero function keeps the output speed actively at 0 km/h until the acceleration command is given
- Control ISOBUS implements with CommandPRO



## SETTINGS MANAGER

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 and be productive from the moment you take the wheel.



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

# DO YOUR BEST WORK EVER

You'll sit down, you will look around, and you will know it: I'm going to get things done here. Better, faster, more efficiently. At a quiet 71 dB(A), you'll enjoy our roomy 3.33 m<sup>3</sup> cab every time you get in.

## 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

There are probably several items you want to have along. You'll have convenient access to them without them cluttering your cab. Also available as a fridge.

## 3 | BLUETOOTH™ RADIO

Provides Bluetooth telephone connectivity with SIM card access via the CommandCenter.



## 4 | SIT BETTER

Premier seats for less fatigue, more productivity. Options include a swivelling air suspended seat and the Ultimate Seat with Active Climate System.



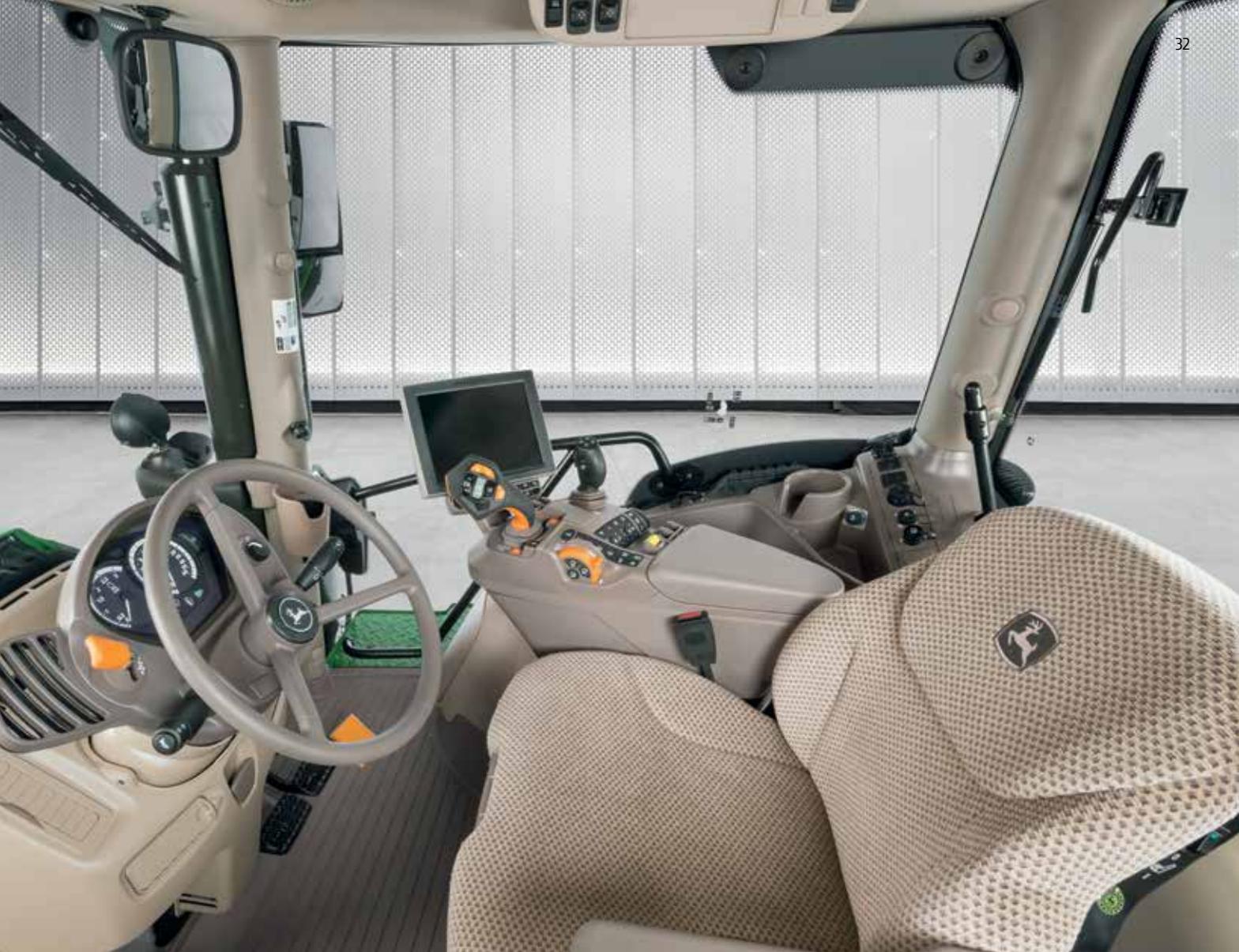
Intuitive, streamlined tractor function control.



## 5 | MORE FEATURES FOR LESS

What others might charge for or can't do comes as standard on the 4200 CommandCenter: ISOBUS AEF, variable rate application, full documentation, upgrade options to AutoTrac and Section Control, plus Remote Display Access and Wireless Data Transfer support.

**MORE CONTROL, BETTER CONTROL: JUST SWIPE**



Superior operator convenience – the CommandARM™ with 4200 or 4600 CommandCenter.



**6 | COMMANDARM AND GENERATION 4 COMMANDCENTER**

Your tractor as a seamless extension of you: Intuitively control SCVs, AutoTrac™, iTEC, A/C, lights, radio, 4WD and hitch depth control. Monitor everything and control it all with effortless precision.



**7 | ELECTRONIC RECONFIGURABLE JOYSTICK**

Improved productivity that's a breeze to set-up and use. The ISOBUS capable joystick is available with the right-hand console and the CommandARM – its functions easily reconfigured via the Generation 4 CommandCenter.

# GENERATION 4 COMMANDCENTER™

Finally, the swiping ease of use you enjoy on your tablet comes to your cab.

### ISOBUS AEF CERTIFIED

Switching between implements becomes a breeze with our fully ISOBUS AEF certified CommandCenter Displays.

	4200 CommandCenter	4600 CommandCenter
Touchscreen	21.3 cm (8.4 in.)	25.4 cm (10 in.)
Tractor Controls	■	■
Documentation	■	■
AutoTrac™	■	■
ISOBUS AEF - UT, AUX-N, TC-SC, TC-BAS, TC-GEO	■	■
Wireless Data Transfer and Remote Display Access	■	■
Video inputs	1	4



### DAILY SERVICE CENTER

Get an instant overview of fluid level status at the touch of a finger. The Daily Service Centre removes the need to manually check engine oil and engine coolant levels – stay clean, save time.



### MORE SCREEN, MORE CONTROL

The new Gen4 Extended Monitor doubles the screen area so you can monitor and control more functions simultaneously – like viewing vehicle control functions on your primary display and Precision Ag applications on the Extended Monitor.



# LIGHT UP THE NIGHT

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 Generation 4 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 (except for 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.



# GET HITCHED TO PRODUCTIVITY

Now you can combine 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 – options include 540/1000/1000E and 540/540E/1000.



## POWERFUL HITCH OPTIONS

For full pulling power, 6R tractors offer different rear hitch options. A category 2/3N with lift capacity of up to 6,800 kg. A category 3 for lifts of up to 9,550 kg, and a category 3N for up to 10,400 kg.



### BALL-TYPE HITCHES

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



### 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.

# STRONG FLOW, EASY CONTROL

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

## POWER BEYOND

Power Beyond auxiliary hydraulic connections provide live hydraulic power to equipment. This enables the supply of hydraulic oil to implements with their own control valves or hydraulic motors (for example, on large air seeders or on planters). The system includes one motor return coupler, one flat-face sump coupler, one Power Beyond pressure coupler and one load sense coupler.



## SCVS APLENTY

In a 6R you get up to six electro-hydraulic selective control valves (SCVs) – with pressure relief lever, logically clustered, and all iTEC capable. You can easily control flow rates and times from the cab with the CommandCenter.™





## FRONT SCVS

For your hydraulic power requirements at the front, the front hitch can be ordered with up to two iTEC capable SCVs.

## HYDRAULIC PUMPS

Definitely located at the upper end of the performance spectrum, the hydraulic pump of the 6230R and 6250R delivers an impressive flow of 160 L/min at only 1,500 rpm. All other models still produce a strong 114 L/min flow, and an optional 155 L/min pump is also available.

	80 L/min	114 L/min	155 L/min	160 L/min (@1,500 rpm)
6110R - 6135R	□	■	-	-
6145R - 6215R	-	■	□	-
6230R - 6250R	-	-	-	■

□ optional ■ base - not available

# RAISE YOUR GAME

The perfect match. Tractor, loader and implements, all designed for each other – for unrestrained performance and peerless ease of use.

Easy to mount, quick to take off – it's the essence of productivity. John Deere R Series front loaders have our automatic latch designs, making the installation of loader and implements as easy as click & go. Three self-levelling options guarantee perfectly balanced application of the 6R's substantial power to the task at hand. The John Deere levelling link design makes more power available for lifting and never gets in the way of the operator's view.



## UNDERSLUNG LEVELLING LINK

The geometry of our front loader linkage has several advantages. The underslung levelling link does not impair your view, conveys more power and provides easier access for servicing.



## CLICK AND GO

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



## AUTOMATIC IMPLEMENT LATCH

With this option, the implement is self-guided by centre guides and is automatically latched as soon as it reaches the carrier frame. Unlatching is convenient with a cab-mounted switch but can also be done manually. It's a straightforward system, that uses a gas accumulator/oil pressure combination to lock and unlock.



### TRACTOR/LOADER COMPATIBILITY

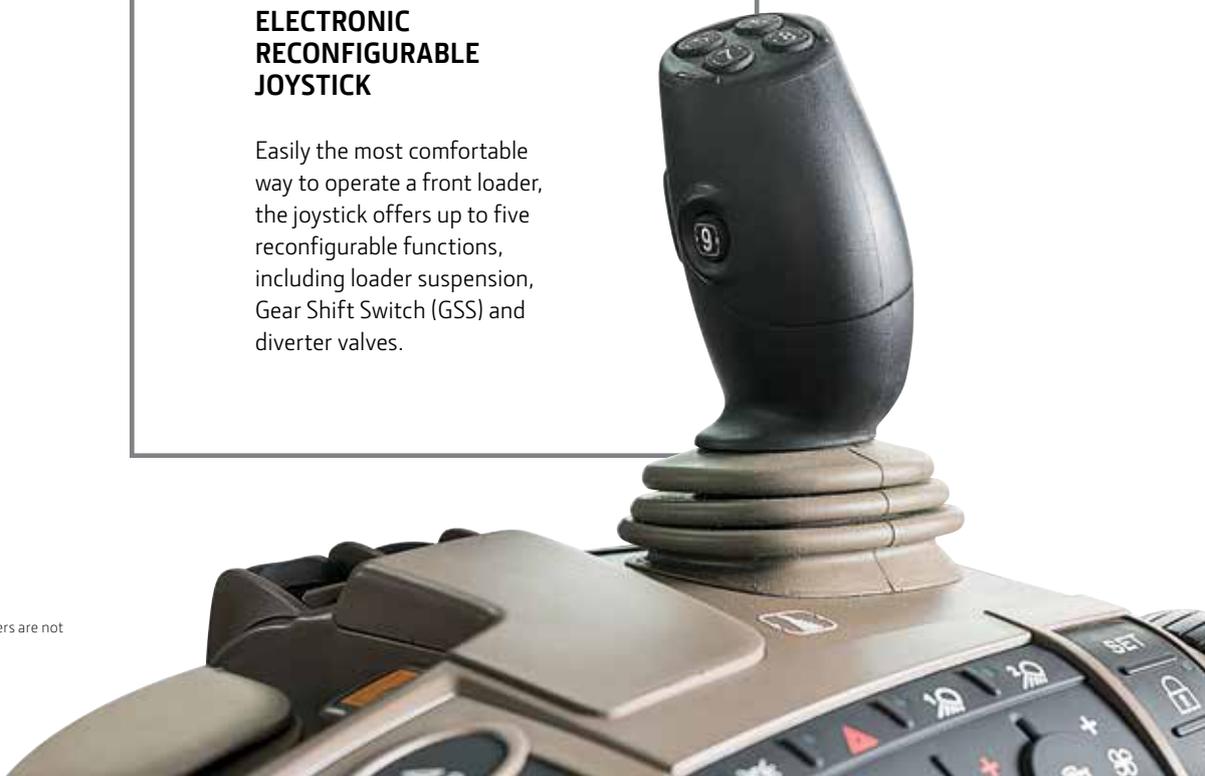
For the perfect fit, you have a choice of two front loader sizes for 6110R-6215R models and one front loader for the 6230R and 6250R models.

	623R (NSL*, MSL, HSL*)	643R (NSL*, MSL, HSL*)	663R (NSL*, MSL, ESL)	683R (MSL, ESL)
6110R, 6120R, 6130R	■	■	-	-
6135R, 6145R, 6155R	-	■	■	-
6175R, 6195R, 6215R	-	-	■	■
6230R, 6250R	-	-	-	■

NSL: Non Self-Levelling  
 MSL: Mechanical Self-Levelling  
 HSL: Hydraulic Self-Levelling  
 ESL: Electronic Self-Levelling

### ELECTRONIC RECONFIGURABLE JOYSTICK

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



\*Due to legislation, NSL and HSL loaders are not compliant in Australia

# 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.



## **ELECTRONIC SELF-LEVELLING (ESL)**

Implement self-levelling and RTP\* functionality regardless of which implement is connected, thanks to 2 sensors in the boom. Easily set it up with the loader joystick and CommandCenter™ screen.

## **LEVEL-TO-HORIZON**

No need to ever again level implements manually. The convenient Level-to-horizon feature keeps your loader implement in a horizontal position, regardless of the slope your tractor is on.



Combi Euro/MX Carrier



Combi Euro/SMS Carrier

**CARRIER CHOICES**

The ex-factory Standard Euro Carrier of your front loader fits all your Euro implements. The Combi Euro /SMS Carrier adds SMS implements. And our Combi Euro/MX Carrier is all that's required to work in the Euro or MX configuration. Reconfiguration can be performed manually, without tools in one minute.



**NEW 4-POINT RETURN TO POSITION (RTP)\***

Automatically returns your loader and implement to any of 4 pre-set heights and angles. RTP works in conjunction with ESL, for high operational accuracy no matter which implement is connected.



**LOADER SUSPENSION**

Effective damping provides a smoother ride for load, tractor and operator. It's activated with the joystick suspension button (M-LCV tractors) or the electronic joystick (E-LCV tractors).



**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. Our lamps fit perfectly and also offer exceptional value.

# MAKE THE MOST OF YOUR DAY

## AUTOTRAC™

AutoTrac hands-free steering adds more comfort: It reliably steers your tractor from day to night, through dust or on hilly terrain. This prevents costly overlaps or gaps and enables every operator to run at peak performance. With the Generation 4 CommandCenter™ and a StarFire™ receiver, all you need is a CommandCenter AutoTrac activation and you're ready to start. Using AutoTrac you can expect up to 8%<sup>\*</sup> input savings and up to 14%<sup>^</sup> productivity increase.

### THE NEW STARFIRE 6000 RECEIVER

Fascinating with yet a new level of accuracy, signal stability and repeatability:

#### RTK WITH 2.5 CM

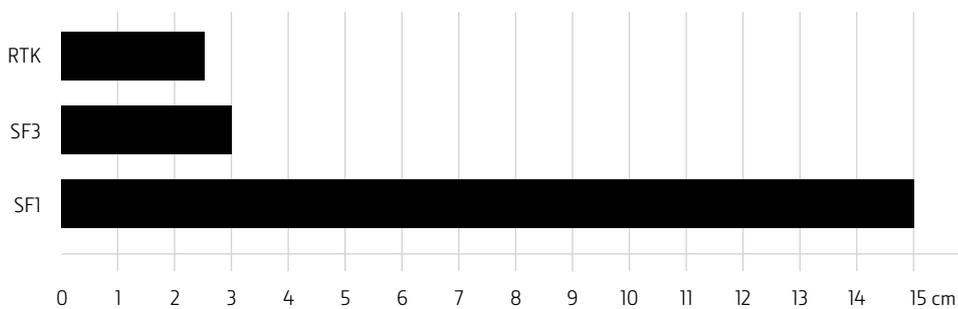
Pass-to-pass accuracy, featuring long-term repeatability including 14 days RTK Extend if you lose line of sight or mobile network.

#### SF3 ENABLING 3 CM

Pass-to-pass accuracy and 9-month in-season-repeatability.

#### IMPROVED SF1 WITH 15 CM

Pass-to-pass accuracy, free of charge.



\* From 'Lohnunternehmen' 1/2010  
 ^ From 'Landtechnik' 6/2006



# PERFECT RESULTS

## ADVANCED GUIDANCE AND PRECISION FARMING SOLUTIONS

Take the next step in precision farming with AutoTrac™  
Turn Automation and Section Control.



### AUTOTRAC TURN AUTOMATION

Sit back and relax, while you enjoy picture perfect headlands and consistent crop growth. AutoTrac Turn Automation automatically controls steering on headlands as well as tractor and implement functions like speed, hitch, hydraulics, PTO, four-wheel drive engagement.



### JOHN DEERE SECTION CONTROL

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

# CONNECTED FARM MANAGEMENT

You're managing a complex enterprise. That's why optimising the overall business depends on being well connected to your ongoing operations.

The Operations Center on our Ag web portal MyJohnDeere.com makes it simple. It connects you to your machines, your operators and your fields from one central location. It also allows you to exchange information seamlessly with your John Deere dealer, your contractor or other trusted partners.

## WORK SMARTER. NOT HARDER.

The combination of AutoTrac™ and the John Deere Operations Center allows you to prepare all your field boundaries, guidance lines and implement offsets during off-peak season and send them to your machines with a simple click. As paddock work is completed, documentation data is automatically uploaded from your in-cab display to your personal Operations Center account. This saves valuable time in peak season and improves efficiency.



JDLink is the key to your tractor's connectivity – linking together you, your machine and your office.



## AUTOTRAC. NOW CONNECTED.

Together, AutoTrac and the John Deere Operations Center connect your office and your machines to improve overall business efficiency.



## CONNECTED SUPPORT

A machine connected with JDLink™ helps your dealer to connect with your in-cab display and remotely assist you with machine setup and operation leveraging Remote Display Access. Service ADVISOR™ Remote enables your dealer to install latest software updates, read out diagnostic trouble codes on demand, or perform various recordings to support initial error diagnosis. It's much quicker and more cost-effective, than in-paddock visits. Based on software algorithms, Expert Alerts will help service technicians to predict certain upcoming issues before they arise, so that they can react quickly and increase uptime significantly.

Ideally, you should be connected with a Dealer Service Agreement to train and support you with the use of these technologies.



## JOB MANAGEMENT MADE EASY

Within MyJobs you can review, start, pause, and stop the jobs and then seamlessly report work status to save time and frustration.

The MyJobsManager App allows you to assign tasks to your operators in real-time, documenting the process to enable quick reporting and invoicing when the job is done.

# EXPERIENCE THE POWERGARD™ FEELING

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. Offering maximum uptime and security.



## POWERGARD PROTECTION PLAN

### COMPREHENSIVE (Full Machine)

- Engine
- Electrical
- Powertrain
- Steering and Brakes
- Hydraulics
- Frames, Axles and Bearings
- Operator's Station

### LIMITED

- Engine
- Powertrain

\*Covered components may vary according to machine options.



***“PROFIT FROM  
EFFICIENCY GAINS AND  
ADDITIONAL UPTIME  
HOURS FROM DAY ONE.”***



## SPECIFICATIONS 6R SMALL AND MID FRAME MODELS

Model	6110R	6120R	6130R	6135R	6145R	6155R
<b>ENGINE PERFORMANCE</b>						
Rated power (ECE-R120), kW (hp)	82 (110)	89 (120)	97 (130)	101 (135)	108 (145)	116 (155)
Rated power with IPM (ECE-R120) @ 2,100 rpm, kW (hp)	97 (130)	104 (140)	112 (150)	123 (165)	138 (185)	145 (195)
Max. power (ECE-R120), kW (hp)	90 (121)	98 (132)	107 (143)	110 (148)	119 (160)	127 (171)
Constant power range, rpm	1,550 – 2,100					
Torque reserve, % percentage	40					
Maximum torque, Nm (@ 1,600 rpm)	515	562	609	632	677	724
Rated speed, rpm	2,100					
Manufacturer	John Deere Power Systems					
Type	PowerTech PSS			PowerTech PVS		
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		
Cylinders/Displacement	4/4, 5 L			6/6, 8 L		
Cooling system	Distributed cooling system with temperature controlled viscous fan drive and dedicated fan for charge air cooler					
Fuel injection system & control	High pressure common rail system with up to 2,000 bar injection pressure, electronically controlled			High pressure common rail system with up to 2,500 bar injection pressure, electronically controlled		
<b>TRANSMISSIONS</b>						
<b>PowrQuad™ Plus</b>						
20/20 2.5 - 40 km/h	-	-	-	-	■	■
24/24 1.4 - 40 km/h	■	■	■	■		
<b>AutoQuad™ Plus</b>						
20/20 2.5 - 40 km/h	-	-	-	-	■	■
24/24 1.4 - 40 km/h	■	■	■	■		
20/20 2.5 - 50 km/h	-	-	-	-	■	■
24/24 1.9 - 50 km/h	■	■	■	■	-	-
<b>AutoQuad Plus EcoShift</b>						
20/20 2.5 - 40 km/h	-	-	-	-	■	■
24/24 1.9 - 40 km/h	■	■	■	■	-	-
<b>AutoPowr™</b>						
0.05 - 40 km/h	■	■	■	■	■	■
0.05 - 50 km/h	■	■	■	■	■	■
<b>DirectDrive™</b>						
2.7 - 40 km/h	-	-	-	-	■	■
2.7 - 50 km/h	-	-	-	-	■	■
Creeper (PowrQuad Plus, AutoQuad Plus and AutoQuad Plus EcoShift)	■	■	■	■	■	■
<b>AXLES</b>						
Suspended front axle (option)	Triple Link Suspension (TLS Plus) MFWD Axle, hydro-pneumatic, permanently active, triple link, self-levelling, load adjusting suspension					
Suspension range with TLS Plus	100 mm suspension range					
Engagement front differential lock	Self-locking differential					
Engagement rear differential lock	Electro-hydraulic with oil cooled clutch					
Rear axle	Flange axle					
<b>STEERING</b>						
Type	Dynamic load sensing, hydrostatic, flow metering; Variable Ratio Steering optional					
<b>HYDRAULIC SYSTEM</b>						
Type	Pressure & Flow Compensated (PFC) system with load sensing function					
Flow at rated engine speed base/option, L/min	114 / 80			114 / 155		
Selective control valves	Up to 5+3			Up to 6+3		
Power beyond	Optional					
Oil take out capacity with overfill, L	25			39		
Oil take out capacity with additional oil reservoir, L	32			37		
				45		

Model	6110R	6120R	6130R	6135R	6145R	6155R
<b>3-POINT HITCH – REAR</b>						
Type	Electronic lower link sensing; load & depth control, infinite mix, float					
Category	II/IIIN		IIIN			III
Maximum lift capacity at hooks, kg	5,300	5,300	6,000	6,800	8,100	8,100
Lift capacity through full lift range (OECD 610 mm), kg	3,350	3,350	3,850	4,350	4,200	4,200
Lift capacity through full lift range (OECD 1,800 mm), kg	2,050	2,050	2,350	2,660	3,200	3,200
<b>3-POINT HITCH – FRONT, OPTIONAL</b>						
Type	Front hitch controlled by rear SCV (Economy option) or dedicated SCV (Premium option)					
Category	IIIN					
Maximum lift capacity at hooks, kg	4,000					
Lift capacity through full lift range (OECD at the hooks), kg	3,300					
<b>REAR PTO</b>						
Type	Electro-hydraulically engaged, oil cooled, multi-disc design					
Engine rpm at rated PTO speeds with 540/540E/1000 option	1,967 / 1,496 / 1,962				1,987 / 1,753 / 2,000	
Engine rpm at rated PTO speeds with 540E/1000/1000E option	-					
<b>FRONT PTO, OPTIONAL</b>						
Type	Electro-hydraulically engaged, oil cooled					
Engine speed at rated PTO speed (1,000), rpm	1,969					
<b>CAB</b>						
Specifications	ComfortView™ cab with 2 panorama doors and Generation 4 CommandCenter™ Display					
Suspension - Adaptive hydraulic cab suspension HCS Plus	Optional					
Noise level at operator's ear, dB(A)	71					
Cab glass area, m <sup>2</sup>	6.11					
Cab volume, m <sup>3</sup>	3.33					
Display	Generation 4 CommandCenter 4200 213 mm (8.4 in.) or 4600 254 mm (10 in.) Display					
<b>MISCELLANEOUS</b>						
AutoTrac™ Ready	Optional					
ISOBUS ready	Optional					
CommandCenter video inputs	1 input for 4200 213 mm (8.4 in.) Display, 4 inputs for 4600 254 mm (10 in.) Display					
Immobiliser	Optional					
Drive pedal mode	AutoPowr™ only					
Trailer brake systems (options)	Hydraulic and/or pneumatic system					
Pneumatic trailer brake system (option)	Electro-magnetic compressor clutch, hydraulic retarding valve, air drier included					
<b>CAPACITIES</b>						
Fuel tank (base/option), L	225 / 195		305 / 265		312 / 270	
Engine coolant, L	22		27			
<b>DIMENSIONS AND WEIGHTS</b>						
Wheelbase, mm	2,580			2,765		
Width x height x length, mm	2,430 x 2,800 x 4,540			2,490 x 2,950 x 4,930		
<i>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.</i>						
Ground clearance, mm	481	481	481	528	553	553
<i>Measured at center of front axle, using max. front and max. rear tyre sizes</i>						
Shipping weight, kg	5,300	5,900	5,900	6,100	6,600	6,600
<i>Measured with average specifications</i>						
Maximum permissible gross weight, kg	8,950	9,950	9,950	10,450	11,250	11,750
<b>TYRE SIZES</b>						
Front tyre sizes, max. available (diameter in mm)	540/65R24 (1,340)	540/65R24 (1,340)	540/65R24 (1,340)	540/65R28 (1,440)	600/65R28 (1,520)	600/65R28 (1,520)
Rear tyre sizes, max. available (diameter in mm)	600/65R38 (1,780)	600/65R38 (1,780)	600/65R38 (1,780)	650/65R38 (1,850)	710/70R38 (2,000)	710/70R38 (2,000)

## SPECIFICATIONS 6R LARGE FRAME MODELS

MODEL	6175R	6195R	6215R	6230R	6250R
<b>ENGINE PERFORMANCE</b>					
Rated power (ECE-R120), kW (hp)	130 (175)	145 (195)	160 (215)	172 (230)	186 (250)
Rated power with IPM (ECE-R120) @ 2,100 rpm, kW (hp)	160 (215)	175 (235)	190 (255)	201 (270)	216 (290)
Rated power with IPM (ECER 120) @ 1,900 rpm, kW (hp)	–	–	–	280 (206)	300 (221)
Max. power (ECE-R120), kW (hp)	144 (193)	160 (215)	177 (237)	189 (253)	205 (275)
Constant power range, rpm	1,550 - 2,100				
Torque reserve, % percentage	40				
Maximum torque, Nm (@ 1,600 rpm) – without boost	817	910	1,004	1,074	1,167
Rated speed, rpm	2,100				
Manufacturer	John Deere Power Systems				
Type	PowerTech™ PVS			PowerTech PSS	
Aftertreatment	Lifetime Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) using DEF				
Engine air filter	PowerCore® G2 air filter with pre-cleaning			External A-Post Filter with pre-cleaning	
Aspiration	Variable geometry turbocharger			Dual turbochargers, variable geometry turbo with fixed geometry turbo in series	
Cylinders/Displacement	6 / 6.8 L				
Cooling system	Distributed cooling system with temperature controlled viscous fan drive and dedicated fan for charge air cooler			Distributed cooling system with temperature controlled electric fan drive and dedicated fan for charge air cooler	
Fuel injection system & control	High pressure common rail system with up to 2,500 bar injection pressure, electronically controlled				
<b>TRANSMISSIONS</b>					
<b>PowrQuad™ Plus</b>					
20/20 2.5 - 40 km/h	■	■	■	–	–
<b>AutoQuad™ Plus</b>					
20/20 2.5 - 40 km/h	■	■	■	–	–
20/20 2.5 - 50 km/h	■	■	■	–	–
<b>AutoQuad™ Plus EcoShift</b>					
20/20 2.5 - 40 km/h	■	■	■	–	–
<b>AutoPowr™</b>					
0.05 - 40 km/h	■	■	■	■	■
0.05 - 50 km/h	■	■	■	■	■
<b>DirectDrive™</b>					
2.7 - 40 km/h	■	■	■	–	–
2.7 - 50 km/h	■	■	■	–	–
<b>AXLES</b>					
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				
<b>STEERING</b>					
Type	Dynamic load sensing, hydrostatic, flow metering; Variable Ratio Steering optional				
<b>HYDRAULIC SYSTEM</b>					
Type	Pressure & Flow Compensated (PFC) system with load sensing function				
Flow at rated engine speed base/option, L/min	114 / 155			160 (max. flow available at 1,500 rpm)	
Selective control valves	Up to 6+3				
Power beyond	Optional				
Oil take out capacity with overfill, L	42			–	
Oil take out capacity with additional oil reservoir, L	55			80	

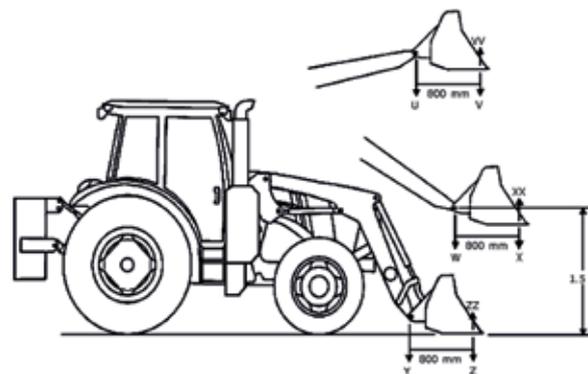
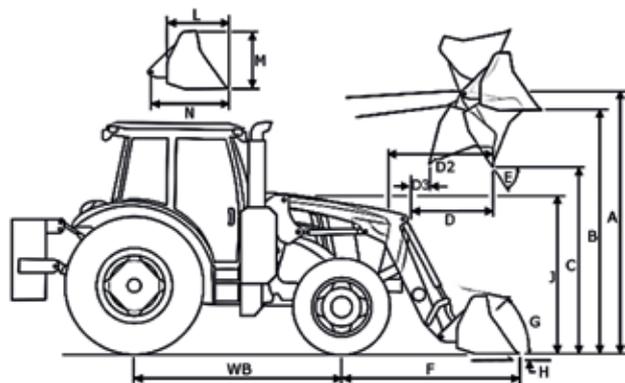
MODEL	6175R	6195R	6215R	6230R	6250R
<b>3-POINT HITCH – REAR</b>					
Type	Electronic lower link sensing; load & depth control, infinite mix, float				
Category	III		IIIN		
Maximum lift capacity at hooks, kg	8,520		9,550		10,400
Lift capacity through full lift range (OECD 610 mm), kg	4,850		5,440		7,000
Lift capacity through full lift range (OECD 1,800 mm), kg	3,400		3,830		4,300
<b>3-POINT HITCH – FRONT</b>					
Type	Front hitch controlled by rear SCV (Economy option) or dedicated SCV (Premium option)		Front hitch controlled by dedicated SCV in base		
Category			IIIN		
Maximum lift capacity at hooks, kg		4,000			5,000
Lift capacity through full lift range (OECD at the hooks), kg		3,300			4,400
<b>REAR PTO</b>					
Type	Electro-hydraulically engaged, oil cooled, multi-disc design				
Engine rpm at rated PTO speeds with 540/540E/1000 option	1,950 / 1,721 / 1,950		1,950 / 1,721 / 1,950		
Engine rpm at rated PTO speeds with 540E/1000/1000E option	1,761 / 1,989 / 1,756		1,618 / 2,012 / 1,659		
<b>FRONT PTO, OPTIONAL</b>					
Type	Electro-hydraulically engaged, oil cooled, 80 kW power		Electro-hydraulically engaged, oil cooled, 115 kW power		
Engine speed at rated PTO speed (1,000), rpm			1,969		
<b>CAB</b>					
Specifications	ComfortView™ cab with 2 panorama doors or B-Post on left hand side and Generation 4 and CommandCenter™ Display				
Suspension - Adaptive hydraulic cab suspension HCS Plus	Optional		Base		
Noise level at operator's ear, dB(A)	86		89		
Cab glass area, m <sup>2</sup>			6.11		
Cab volume, m <sup>3</sup>			3.33		
Display	Generation 4 CommandCenter 4200 7" or 4600 10" Display				
<b>MISCELLANEOUS</b>					
AutoTrac™ Ready	Optional		Base		
ISOBUS ready			Base		
CommandCenter video inputs	1 input for 4200 213 mm (8.4 in.) Display, 4 inputs for 4600 254 mm (10 in.) Display				
Immobiliser			Optional		
Drive pedal mode	AutoPowr™ only		Base		
Trailer brake systems (options)	Hydraulic and/or pneumatic system				
Pneumatic trailer brake system (option)	Electro-magnetic compressor clutch, hydraulic retarding valve, air drier included				
<b>CAPACITIES</b>					
Fuel tank (base /option), L	395 / 335		470 / 410		
Engine coolant, L	28		29		
<b>DIMENSIONS AND WEIGHTS</b>					
Wheelbase, mm	2,800		2,900		
Width x Height x Length, mm	2,550 x 3,160 x 5,050		2,550 x 3,250 x 5,190		
<i>Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tyres / max. rear tyre sizes.</i>					
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		
<i>According to ISO789-3 measured for 600/65R30 at 2,050 mm tread setting and 1.6 bar inflation pressure on level ground</i>					
Shipping weight, kg	7,000	7,800	7,800		9,500
<i>Measured with average specifications</i>					
Maximum permissible gross weight, kg	12,700	13,450	13,450		15,000
<b>TYRE SIZES</b>					
Front tyre sizes, max. available (SRI)	600/70 R30 (SRI 725)		600/70R30 (SRI 750)		
Rear tyre sizes, max. available (SRI)			800/70R38 (SRI 975)		

## LOADER SPECIFICATIONS

MODEL	Diagram Reference	Measurement	6110R/6120R/6130R		6110R/6120R/6130R	
Front tyre			480/70R24		480/70R24	
Rear tyre			520/70R38		520/70R38	
Wheelbase	(WB)	mm	2,580		2,580	
Pump capacity		Lpm	114		114	
Rated pressure		psi	2,900		2,900	
<b>LOADER</b>			<b>623R NSL (*NZ only)</b>		<b>623R MSL</b>	
Bucket			Standard Bucket 1,850 mm		Standard Bucket 1,850 mm	
Bucket weight		kg / lb.	236	520	236	520
Lift capacity @ full height	Measured @ Pivot (U)	kg / lb.	2,622	5,781	2,388	5,265
	Measured @ 800 mm ahead of Pivot (V)	kg / lb.	1,757	3,874	2,272	5,009
Lift capacity @ 1.5 m (59 in.) lift height	Measured @ Pivot (W)	kg / lb.	2,729	6,016	2,732	6,023
	Measured @ 800 mm ahead of Pivot (X)	kg / lb.	2,101	4,632	2,582	5,692
Boom breakout	Measured @ Pivot (Y)	kg / lb.	2,841	6,263	3,054	6,733
	Measured @ 800 mm ahead of Pivot (Z)	kg / lb.	2,065	4,553	2,599	5,730
Bucket rollback force	@ Maximum height (VV)	kg / lb.	2,258	4,978	2,330	5,137
	@ 1.5 m (59 in.) lift height (XX)	kg / lb.	4,249	9,367	4,267	9,407
	@ Ground level (ZZ)	kg / lb.	4,358	9,608	4,341	9,570
Maximum lift height	(A)	mm / in.	4,124	162	4,124	162
Clearance	@ Full height – Bucket level (B)	mm / in.	3,854	152	3,854	152
	@ Full height – Bucket dumped (C)	mm / in.	3,088	122	3,088	122
Overall length	(WB+F)	mm / in.	5,128	202	5,128	202
Digging depth	(H)	mm / in.	-91	-4	-91	-4
Reach	@ Maximum height (D)	mm / in.	759	30	759	30
	@ Ground – Bucket level (F)	mm / in.	2,548	100	2,548	100
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	

The values may vary according to the tractor and loader settings/configuration.  
 \*Due to legislation, NSL loaders are not compliant in Australia.

6110R/6120R/6130R		6110R/6120R/6130R		6135R		6135R	
480/70R24		480/70R24		480/70R28		480/70R28	
520/70R38		520/70R38		580/70R38		580/70R38	
2,580		2,580		2,765		2,765	
114		114		114		114	
2,900		2,900		2,900		2,900	
643R NSL (*NZ only)		643R MSL		643R NSL (*NZ only)		643R MSL	
Heavy duty 2,200 mm		Heavy duty 2,200 mm		Heavy duty 2,200 mm		Heavy duty 2,200 mm	
310	683	310	683	310	683	310	683
2,532	5,582	2,274	5,013	2,553	5,628	2,219	4,892
1,770	3,902	2,330	5,137	1,781	3,926	2,252	4,965
2,672	5,891	2,626	5,789	2,703	5,959	2,599	5,730
2,093	4,614	2,479	5,465	2,112	4,656	2,431	5,359
2,831	6,241	2,970	6,548	2,810	6,195	2,928	6,455
2,131	4,698	2,598	5,728	2,082	4,590	2,502	5,516
2,380	5,247	2,500	5,512	2,371	5,227	2,580	5,688
4,231	9,328	4,339	9,566	4,304	9,489	4,347	9,583
4,418	9,740	4,380	9,656	4,365	9,623	4,310	9,502
4,151	163	4,151	163	4,358	172	4,358	172
3,881	153	3,881	153	4,088	161	4,088	161
3,136	123	3,111	122	3,344	132	3,322	131
5,424	214	5,424	214	5,458	215	5,458	215
-84	-3	-86	-3	-82	-3	-82	-3
982	39	982	39	806	32	806	32
2,844	112	2,844	112	2,693	106	2,693	106
-56		-60		-55		-59	
48		48		47		47	
-140		-119		-145		-116	
3.50		3.31		3.70		3.52	
2.63		2.48		2.78		2.64	
2.65		1.81		2.65		1.81	
1.81		1.81		1.81		1.81	

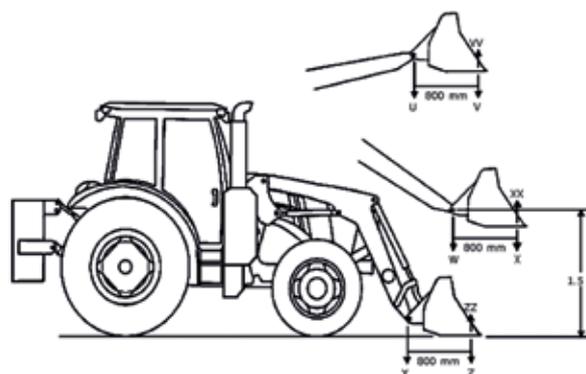
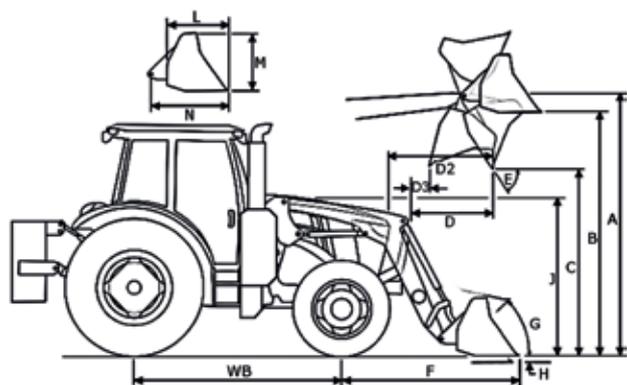


## LOADER SPECIFICATIONS

MODEL			6145R/6155R		6145R/6155R	
Front tyre			480/70R28		480/70R28	
Rear tyre			580/70R38		580/70R38	
Wheelbase		(WB) mm	2,765		2,765	
Pump capacity			Lpm		114	
Rated pressure			psi		2,900	
LOADER			643R NSL (*NZ only)		643R MSL	
Bucket			Heavy duty 2,200 mm		Heavy duty 2,200 mm	
Bucket weight		kg / lb.	310	683	310	683
Lift capacity @ full height	Measured @ Pivot	(U) kg / lb.	2,591	5,712	2,241	4,941
	Measured @ 800 mm ahead of Pivot	(V) kg / lb.	1,817	4,006	2,279	5,024
Lift capacity @ 1.5 m (59 in.) lift height	Measured @ Pivot	(W) kg / lb.	2,788	6,146	2,666	5,878
	Measured @ 800 mm ahead of Pivot	(X) kg / lb.	2,180	4,806	2,502	5,516
Boom breakout	Measured @ Pivot	(Y) kg / lb.	2,945	6,493	3,032	6,684
	Measured @ 800 mm ahead of Pivot	(Z) kg / lb.	2,188	4,824	2,610	5,754
Bucket rollback force	@ Maximum height	(VV) kg / lb.	2,449	5,399	2,550	5,622
	@ 1.5 m (59 in.) lift height	(XX) kg / lb.	4,344	9,577	4,371	9,636
	@ Ground level	(ZZ) kg / lb.	4,426	9,758	4,369	9,632
Maximum lift height		(A) mm / in.	4,300	169	4,300	169
Clearance	@ Full height – Bucket level	(B) mm / in.	4,030	159	4,030	159
	@ Full height – Bucket dumped	(C) mm / in.	3,281	129	3,260	128
Overall length		(WB+F) mm / in.	5,503	217	5,503	217
Digging depth		(H) mm / in.	-145	-6	-145	-6
Reach	@ Maximum height	(D) mm / in.	841	33	841	33
	@ Ground – Bucket level	(F) mm / in.	2,738	108	2,738	108
Bucket angles	Dump angle @ full height	(E) degrees	-56		-60	
	Rollback @ ground	(G) degrees	48		48	
	Dump angle @ ground	degrees	-144		-117	
Cycle times	Loader raise	sec	3.70		3.52	
	Loader lower	sec	2.78		2.64	
	Bucket dump	sec	2.65		1.81	
	Bucket rollback	sec	1.81		1.81	

The values may vary according to the tractor and loader settings/configuration.  
 \*Due to legislation, NSL loaders are not compliant in Australia.

6135R		6135R		6145R/6155R		6145R/6155R	
540/65R30		540/65R30		540/65R30		540/65R30	
650/65R42		650/65R42		650/65R42		650/65R42	
2,765		2,765		2,765		2,765	
114		114		114		114	
2,900		2,900		2,900		2,900	
663R NSL (*NZ only)		663R MSL		663R NSL (*NZ only)		663R MSL	
Heavy duty 2,450 mm		Heavy duty 2,450 mm		Heavy duty 2,450 mm		Heavy duty 2,450 mm	
355	783	355	783	355	783	355	783
2,595	5,721	2,343	5,165	2,541	5,602	2,291	5,051
1,875	4,134	2,390	5,269	1,844	4,065	2,327	5,130
2,788	6,146	2,814	6,204	2,786	6,142	2,803	6,180
2,211	4,874	2,644	5,829	2,210	4,872	2,640	5,820
2,902	6,398	3,190	7,033	2,945	6,493	3,213	7,083
2,194	4,837	2,773	6,113	2,232	4,921	2,808	6,191
2,727	6,012	2,728	6,014	2,755	6,074	2,755	6,074
4,531	9,989	4,525	9,976	4,523	9,972	4,518	9,960
4,544	10,018	4,535	9,998	4,554	10,040	4,540	10,009
4,555	179	4,555	179	4,495	177	4,495	177
4,285	169	4,285	169	4,225	166	4,225	166
3,531	139	3,518	139	3,466	136	3,453	136
5,606	221	5,606	221	5,651	222	5,651	222
-46	-2	-46	-2	-112	-4	-112	-4
989	39	989	39	1,026	40	1,026	40
2,841	112	2,841	112	2,886	114	2,886	114
-57		-59		-58		-60	
47		47		47		48	
-143		-113		-143		-114	
3.98		3.91		3.98		3.91	
2.75		2.70		2.75		2.70	
2.65		1.81		2.65		1.81	
1.81		1.81		1.81		1.81	

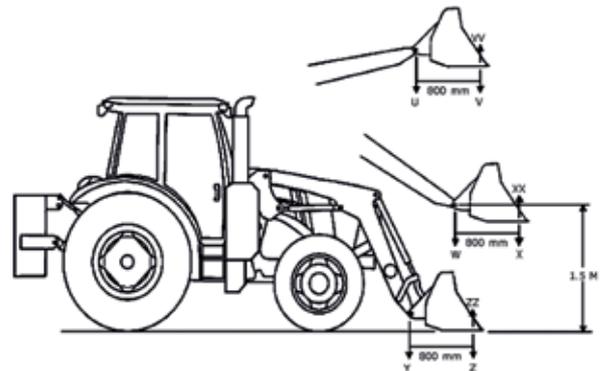
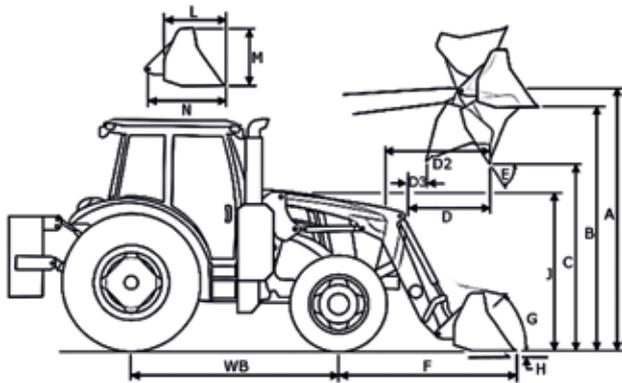


## LOADER SPECIFICATIONS

MODEL		6175R, 6195R, 6215R		
Front tyre				600/65R28
Rear tyre				710/70R38
Wheelbase	(WB)	mm		2,800
Pump capacity		Lpm		114
Rated pressure		psi		2,900
LOADER		663R NSL (*NZ Only)		
Bucket				Heavy duty 2,450 mm
Bucket weight		kg / lb.	355	783
Lift capacity @ full height	Measured @ Pivot	(U)	kg / lb.	2,563 / 5,650
	Measured @ 800 mm ahead of Pivot	(V)	kg / lb.	1,857 / 4,094
Lift capacity @ 1.5 m (59 in.) lift height	Measured @ Pivot	(W)	kg / lb.	2,787 / 6,144
	Measured @ 800 mm ahead of Pivot	(X)	kg / lb.	2,211 / 4,874
Boom breakout	Measured @ Pivot	(Y)	kg / lb.	2,928 / 6,455
	Measured @ 800 mm ahead of Pivot	(Z)	kg / lb.	2,217 / 4,888
Bucket rollback force	@ Maximum height	(VV)	kg / lb.	2,744 / 6,049
	@ 1.5 m (59 in.) LIFT HEIGHT	(XX)	kg / lb.	4,526 / 9,978
	@ Ground level	(ZZ)	kg / lb.	4,550 / 10,031
Maximum lift height		(A)	mm / in.	4,520 / 178
Clearance	@ Full height – Bucket level	(B)	mm / in.	4,249 / 167
	@ Full height – Bucket dumped	(C)	mm / in.	3,492 / 137
Overall length	(WB+F)	mm / in.	5,668	223
Digging depth	(H)	mm / in.	-85	-3
Reach	@ Maximum height	(D)	mm / in.	1,004 / 40
	@ Ground – Bucket level	(F)	mm / in.	2,868 / 113
Bucket angles	Dump angle @ full height	(E)	degrees	-56
	Rollback @ ground	(G)	degrees	48
	Dump angle @ ground		degrees	-143
Cycle times	Loader raise		sec	3.98
	Loader lower		sec	2.75
	Bucket dump		sec	2.65
	Bucket rollback		sec	1.81

The values may vary according to the tractor and loader settings/configuration.  
 \*Due to legislation, NSL loaders are not compliant in Australia.

6175R, 6195R, 6215R		6175R, 6195R, 6215R		6230R, 6250R	
600/65R28		600/65R28		600/70R30	
710/70R38		710/70R38		650/85R38	
2,800		2,800		2,900	
114		114		114	
2,900		2,900		2,900	
663R MSL		683R MSL		683R MSL	
Heavy duty 2,450 mm		Heavy duty 2,450 mm		Heavy duty 2,450 mm	
355	783	355	783	355	783
2,312	5,097	2,495	5,501	2,522	5,560
2,352	5,185	2,506	5,525	2,538	5,595
2,808	6,191	3,035	6,691	3,041	6,704
2,642	5,825	2,868	6,323	2,870	6,327
3,204	7,064	3,450	7,606	3,435	7,573
2,794	6,160	3,040	6,702	3,016	6,649
2,744	6,049	2,989	6,590	2,972	6,552
4,521	9,967	4,461	9,835	4,464	9,841
4,538	10,005	4,424	9,753	4,421	9,747
4,520	178	4,480	176	4,520	178
4,249	167	4,209	166	4,250	167
3,480	137	3,437	135	3,480	137
5,668	223	5,769	227	5,791	228
-85	-3	-126	-5	-85	-3
1,004	40	1,335	53	1,215	48
2,868	113	2,969	117	2,891	114
-56		-56		-56	
48		48		53	
-114		-116		-117	
3.91		4.19		4.19	
2.70		2.89		2.89	
1.81		1.81		1.81	
1.81		1.81		1.81	



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