

FASTRAC



A Product of Hard Work







**Fastrac commitment.  
Changing the face of agriculture**



## UNIQUE INNOVATION, COMFORT AND PRODUCTIVITY



We start by listening to you. You tell us you need greater productivity and performance to increase your earning power. We bring you the new generation Fastrac. Not content to update existing models or concepts, we develop new solutions that meet your needs, now and in the future. No other agricultural machinery manufacturer shows a greater

commitment to this than JCB Agriculture. The Fastrac models surpass every other machine on the market. But it doesn't stop there. By continually challenging accepted knowledge, we will keep on developing more effective machines to overcome even more of the obstacles you face every day.

# The Fastrac concept

1991 - Production of 100 Series Fastracs begins

1995 - Production of smaller 50kph I 100 Series Fastracs begins

1996 - Quadtronic 4WS introduced

1998 - Fastrac 2000/3000 Series replace I 100/100

2000 - Smoothshift oil-immersed wet clutch introduced

2001 - ABS braking\* available on all ranges

2005 - Fastrac 8250 launched with 8.3-litre Cummins engine and V-TRONIC transmission

2006 - Fastrac 3200 and 3230 launched with 6.7-litre Cummins engine

2007 - Fastrac 2155 and 2170 launched

2008 - Fastrac 7000 Series launched

2010 - Fastrac 3000 Series Xtra launched, incorporating the P-Tronic transmission

2011 - Fastrac 8000 Series and new Stage IIIB/Tier 4 engine 3000 Series Xtra launched



Since it started production in 1991, the JCB Fastrac has been continually evolving to meet new market demands. However, the original Fastrac principles remain firmly intact:

**Full suspension** – The JCB Fastrac is still the only draught tractor with full front and rear suspension. This system not only offers unparalleled ride comfort for both the operator and implement, but also improves traction without the need to add dead weight.

**Disc brakes** – Any vehicle capable of high speed needs to be able to stop. Fastrac is no exception. With truck standard braking on all models you can be confident that you're going to stop when you need to, time and time again. The external disc brakes offer excellent heat dissipation and dramatically outperform the oil-immersed systems found on conventional tractors. The ABS system\* offers unrivalled control in all conditions.

**Full chassis construction** – Another feature unique to Fastrac, this means that unlike a conventional tractor the engine and transmission are not stressed, loadbearing components.

All of the above, combined with mechanical power-assisted steering on the 3000 Series and 8000 Series, allow Fastracs to travel at high-speed, up to 80kph (50mph) where laws permit. In fact, in many territories the Fastrac is still the only true agricultural tractor legally capable of such high speed.

\* Depending on territory







# Suspension and chassis

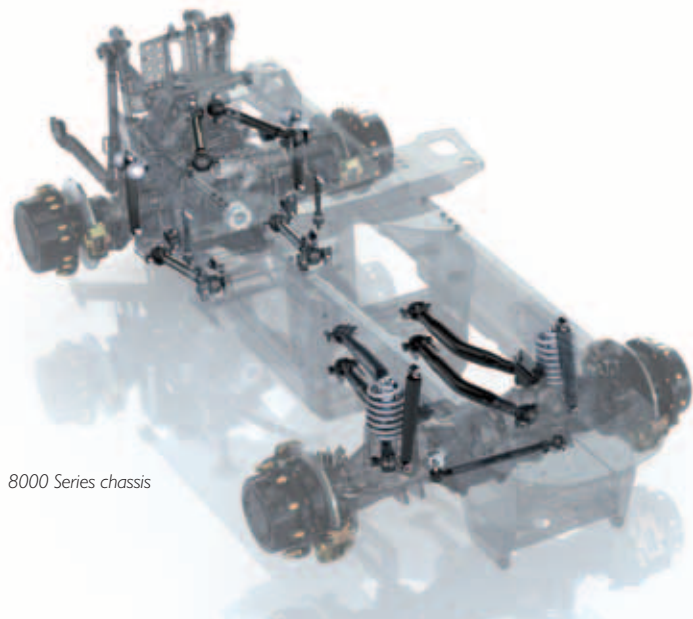
The Fastrac's unique, vibration-free suspension system increases the efficiency of both operator and implements. Meanwhile, the dynamic axle mounting system ensures implements remain stable and isolated from jolts for higher in-field operating speeds and greater productivity.

All Fastracs feature load-compensating, self-levelling rear suspension. The chassis is lowered in relation to the rear axle as weight is applied. Then the ride height corrector valves allow oil flow in, pressurising the hydraulic cylinders and steadily restoring original ride height as well as stiffening the suspension to accommodate the extra weight.

As load is taken off the deck, ride height corrector valves are displaced in the opposite direction, restoring height to the pre-set level. So when water empties from a de-mount sprayer, for example, the suspension continually corrects itself, maintaining a constant height between spray nozzle and crop.

All Fastracs feature a chassis designed for strength, stability and load carrying ability. The fully welded, Z-section design copes with stress without excessive increase in weight. Together with improved weight distribution, this makes it better suited to carrying large implements than a more conventional, stressed heavycasting design. On 8000 and 3000 Series machines, the chassis design also ensures optimum visibility to the front while a stiffened front end improves handling on the road.

Finally, heavy-duty front suspension on the 8000 and 3000 Series incorporates the twin calliper braking system. On 3000 Series machines add to this optional heavy-duty rear suspension for an increase in gross vehicle weight of up to 12 tonnes depending on tyre equipment, whilst the 8000 Series has a standard GVW of 16 tonnes.



8000 Series chassis







# Braking system

Fastrac standard braking comes with large external disc brakes on each wheel and air trailer couplings. This safe, controlled, fade-free system benefits from excellent cooling offered by the large external disc brakes. Safety is further improved with air-over hydraulic systems split between front and rear axles. And there's greater braking power on the front axle for full control even in an emergency stop.

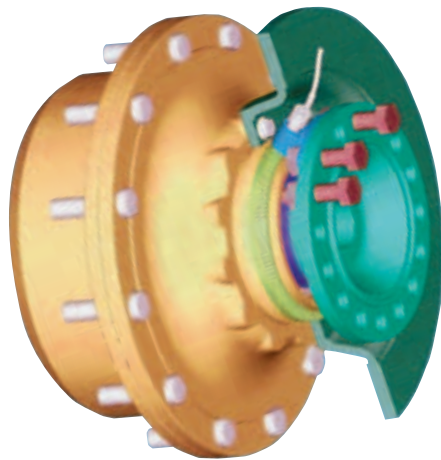
Twin calliper brakes are fitted as standard to the 8000 Series and 3000 Series; an extra level of performance developed to provide greater stopping power when working with increased loads. Furthermore the 3000 series features Traction Assist, which improves grip and stability on the road by controlling the brake and engine to direct power to the wheels with traction.

To improve stability and control even further, and to comply with legislation\*, JCB has adapted proven ABS technology from the truck world to compensate for the larger diameter wheels. All Fastracs\* feature ABS, which uses a 4-sensor, 3-modulator system to provide constant monitoring of all wheels and independent control of the rear wheels for confidence and control during braking.

All Fastracs fitted with ABS also feature a 12-volt trailer ABS supply socket, providing a power supply to a trailer ABS system that works independently of the tractor's system and eliminates the risk of overloading the wiring system.

As well as being beneficial on the road and at high speeds, the Fastrac ABS system also offers unprecedented control and stability in the field, giving you total piece of mind when working on grass or stubble as well as loose surfaces of dirt and gravel. In addition, a hill hold function on 3000 Series machines gives effortless stop/start on inclines.

\* Depending on territory Hub and brake disc



Hub and brake disc







# Engine innovation

8000 Series and 3000 Series machines both feature Sisu 6-cylinder engines - 8.4 litres on the 8000, 7.4 litres on the 3000 - offering more power and torque at low revs, combined with fuel efficiency and low noise levels.

The result is machines that are kind to the environment and to your wallet, supplying exactly the right level of power to keep running costs low for enhanced profitability. Plus, they increase your output, with the ability to power even the largest implements and perform in the toughest conditions.

The wet cylinder sleeve design and advanced piston rings can reduce oil consumption by up to 30% and ensure uniform quality. Protecting your investment and maximising your revenue.

With some engines around the world still working, without any major overhaul and with in excess of 32,000 hours, you can be sure of the consistent performance and proven reliability these engines will deliver.

8000 and 3000 Series machines also use SCR (Selective Catalytic Reduction) technology to achieve Tier 4 interim (Stage IIIB) compliance. SCR uses AdBlue<sup>®</sup>, a urea-based solution, injected into the exhaust gas to drastically reduce NOx and particulates. This helps protect the environment, reduce input costs and lowers fuel consumption. By separating engine timing and exhaust after-treatment, SCR also optimises combustion.

2000 Series machines are powered by a Cummins 6.7-litre engine which, like the Sisu, uses 4 valve per cylinder technology and air-to-air cooling. The Cummins also features a rear-driven geartrain which dramatically reduces external engine noise.









# 2000 Series transmissions



*Smoothshift clutch assembly*

2000 Series machines all feature the Smoothshift transmission with Selectronic and Autoshift.

The Smoothshift system features a multi-plate, oil-immersed wet clutch which requires exceptionally low driver effort, either with the clutch pedal or the Autoshuttle button.

With its ability to combine range and direction changes, Selectronic is totally unique to JCB. Speed range is pre-selected by twisting the steering-column-mounted selector lever, while moving the lever forward or backwards selects direction. Actual engagement does not take place until the clutch pedal is fully depressed or the Autoshuttle button is pressed and travel speed has fallen to 3kph or less. This prevents inadvertent range or direction changes occurring at speed.

When compared to manual shifting, Selectronic and Autoshuttle both greatly improve operating efficiency. For example, direction change can be pre-selected when carrying out headland turns, leaving you free to concentrate on plough turnover.

The 6-speed gearbox makes shifting through the gears easy, while priority flow lubrication gives long-term reliability. An electronic control system helps to ensure smooth gear changes under load - add in the Autoshift function and you can make these changes automatically under any load conditions.

Autoshift allows you to automatically select between snail, tortoise and hare whilst on the move. Autoshift also features five modes tailored to suit particular job types: trailer, ploughing, 540 PTO, 1000 PTO and user mode.









# P-TRONIC transmission

Designed and produced by JCB for the 3000 Series, P-TRONIC is a 24-speed semi-powershift transmission. In the field, the broad range of working gears means you always have the right gear for the job, enabling you to achieve the most efficient, productive performance. While on the road, the machine drives like an automatic car with speeds of up to 80kph\* (50mph). In addition, Hill Hold gives effortless start/stop on an incline, while the Efficient Transport model runs at reduced revs at higher speeds to reduce fuel consumption.

The P-TRONIC gearbox features a multi-plate, oil-immersed wet clutch for smooth, clutchless changes. Behind this sits the 6-speed powershift gears which offer a wide spread of shifts in each range.

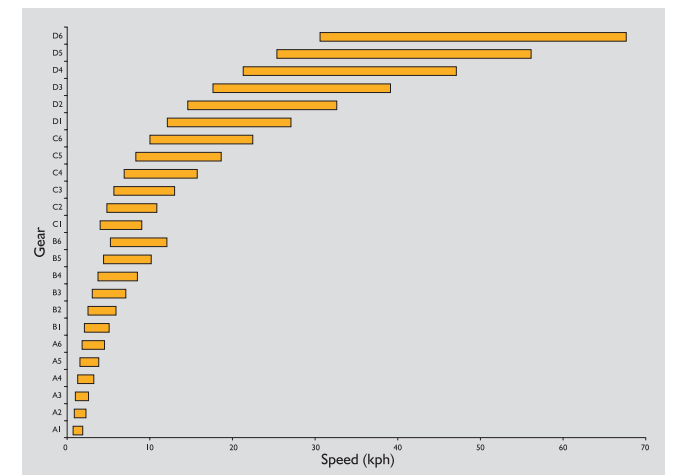
The compact gearbox reduces weight and saves space, while CAN-BUS technology communicates between engine and transmission to allow the tractor to select the most appropriate gear for the engine load and operation.

The P-TRONIC is also extremely easy to operate, with a full-colour touchscreen giving access to three transmission modes, which allow you to get optimum performance from the machine:

**Powershift** - full manual control, using the seat-mounted joystick to shift up and down gears and ranges.

**Autoshift** - simply set the required gears and the tractor automatically shifts up or down depending on conditions and engine load, maximising fuel economy and productivity.

**Drive** - in C & D range, engine load, speed, transmission status and position of the foot pedal are constantly assessed and the highest gear selected for optimum fuel economy, unless the system senses you need more power by the position of the throttle.





# V-TRONIC transmission

The V-TRONIC is a continuously variable transmission that allows you to fine tune engine speed to get implements working at optimum performance levels. It means you can run engines at lower speeds for greater fuel economy and reduced running costs to keep you more profitable. And it gives the operator a more comfortable ride, for daylong productivity.

The V-TRONIC has two ranges: one for field operations, one for high-speed operations. The system offers effortless manual control using the armrest-mounted joystick. Alternatively, a suite of automatic cruise control features allows you to achieve maximum performance and economy, simplifying the task and allowing the operator to give it his full attention. Plus, by allowing the transmission and engine electronics to communicate, the tractor can control both automatically if required, helping to achieve maximum performance or economy.

The transmission has a choice of four modes selectable via the touchscreen:

**Drive** – the transmission behaves like an automatic car, perfect for travelling between fields or for transport work. This includes an on-road cruise control for longer journeys.

**Manual** – using the joystick controller the operator has full, extremely precise control of the transmission.

**Powershift** – the transmission emulates a traditional powershift with 15 forward/12 reverse 'gears' in low range and 10 forward/7 reverse in high range. Ideal for operators who are used to conventional powershift transmissions as they require very little training.

**Flexi** – the operator sets the engine speed and maximum forward speed that can be achieved. The foot throttle is then used to vary forward speed between zero and the maximum forward speed setting. Ideal for harvesting operations.



V-TRONIC also offers two additional load-sensing cruise control modes:

**Auto 1 and Auto 2** – automatically maintain a set speed for field applications, just press and hold the green button to save the working speed and the tractor automatically reduces engine rpm to the most efficient point to minimise input costs.

**Rev hold mode** – maintains revs and varies tractor speed up to the pre-defined limit to get maximum output.



A brand new feature for the 8000 Series is Activ Traction: designed to minimise wheel slip, automatically slowing the machine down to regain grip and then speeding up again, to improve in-field traction.

Activ Traction is included as part of the radar in the field performance package.





# Touchscreen control



3000 Series and 8000 Series Fastracs all come with touchscreen control, putting you in complete charge of the transmission features for the most efficient, productive machine operation.

The full-colour touchscreen features a simple, extremely easy-to-use layout which brings all of the controls into one location for added comfort and convenience. Using the touchscreen you can also set up:

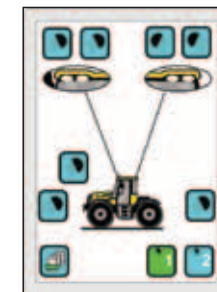
- PTO, four-wheel drive, differential locks and area meter cut-outs
- Joystick-controlled and auxiliary functions, including:
  - linkage raise/lower
  - spool valve operation
  - PTO engage/disengage
  - touchscreen configuration, language, brightness, etc
  - diagnostic information

Tractor functions can also be easily adjusted through the touchscreen:

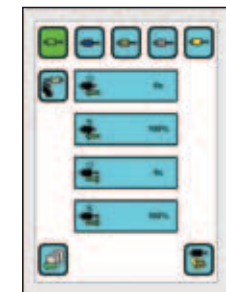
- Worklights: simply select the required worklights on the screen and switch on and off with the master switch
- Hydraulic time and flow control: alters time and flow settings for each individual spool

Also accessible via the touchscreen is the Headland Turn Assist, which allows the operator to program a sequence of up to 15 tractor operations to perform at the touch of a single button and includes the following:

- Ability to store up to five sequences for different operations
- Single-button activation, with a button on the joystick within easy reach
- Simple selection of functions: just press the function required on the touchscreen; there is no confusion with trying to record a number of functions
- Ability to insert, modify or delete functions during operation for maximum flexibility
- Ability to link functions together with a timing feature or to step through the process with a single button press
- Option to pause, restart and skip through sequence if necessary



Worklight set-up



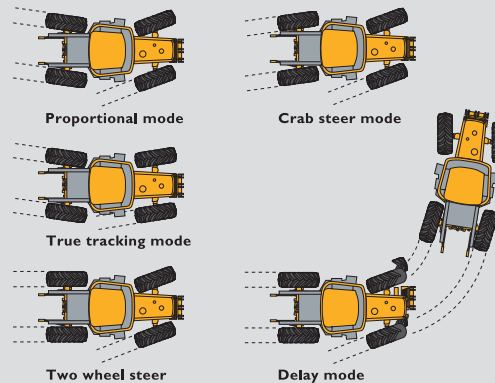
Hydraulic flow and time set-up



# Steering



## Five instantly selectable steering modes.



The Fastrac front suspension configuration has been designed to allow the tightest possible steer angle. You will be amazed at the headland turning performance you get from only two-wheel steer.

Due to the extra safety requirements of high-speed capability, 3000 Series and 8000 Series machines use a mechanical steering system with power assistance for superb driver feedback. These machines also have a GPS 'ready' system, with the ability to reduce inputs and increase efficiency by as much as 10%. Every inch of the field is used, reducing waste and ensuring you get more out of the land; operating costs are lowered with less seed, fertiliser, pesticide and fuel used per task; and operation is easier, requiring less concentration for reduced fatigue and man hours.

2000 Series Fastracs feature hydrostatic twin-ram steering to achieve maximum high-steer torque at the wheels with minimum driver effort. Also available on 2000 machines is JCB Quadtronic; a highly manoeuvrable system which makes these models the world's only four-wheel steer, fully suspended tractors. Quadtronic features the following steering modes, in addition to two-wheel steer:

**Proportional:** rear axle turns  $1^\circ$  for every  $2^\circ$  the front axle turns up to  $20^\circ$  for the rear,  $40^\circ$  for the front.

**True tracking:** front and rear axles follow the same line for minimal ground marking and crop damage.

**Delay:** featuring four-wheel steer for tight turns and two-wheel steer whilst inter-row.

**Crab steer:** useful on hillsides where inclines can cause the machine to slip sideways, and when spraying alongside a hedge where it is possible to move away without first swinging further into the hedge.



# Hydraulics

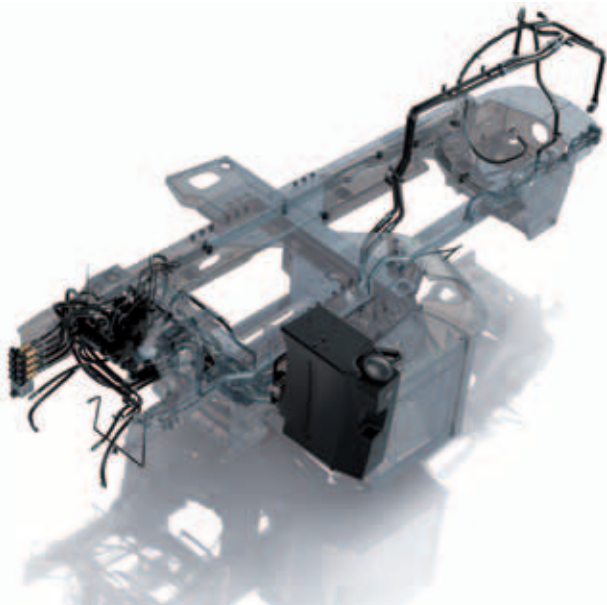
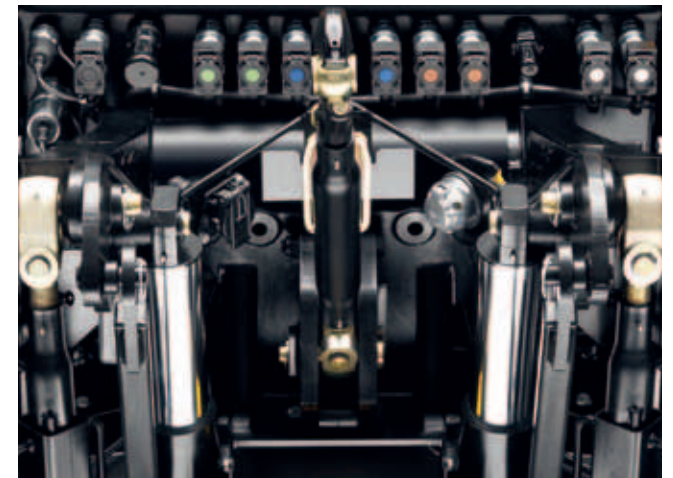
8000 Series and 3000 Series Fastracs feature a load-sensing variable displacement auxiliary hydraulic pump as standard, with an optional maximum flow of 195 litres/min for the 8000 series and 126 litres/min for the 3000 series. 2000 Series models feature fixed displacement auxiliary hydraulic pumps that develop at least 99 litres/min of flow. On all models, further hydraulic pumps provide oil for steering, suspension, PTOs and difflocks.

All Fastracs can be fitted with three or four 4-position, double-acting zero-leak spool valves, which feature a float position. Plus, a separate hydraulic system for auxiliary services means there is no danger of oil contamination. The 2000 Plus, 3000 Series and 8000 Series also feature electronically controlled spool valves which let you adjust time and flow for automatic control of implements.

Optional on 8000 and 3000 machines is the load-sensing power beyond connection, suitable for implements that use their own spool valve control blocks. Priority flow is available as an option on these two models. On the 2000 Series, there is also the option of a hydraulic flow divider, ideal for powering the hydraulic motor on a drill or a sprayer.

The rear linkage on all Fastracs uses Bosch Hitchtronic digital sensing to help maintain precise control of implement height, depth, lowering speed and general response. Plus, wheel slip control is available with the optional performance monitor, allowing maximum progress to be achieved even in the toughest conditions.

All Fastrac models are now available with a category 2 front linkage. On the 3000 Series and 8000 Series this also has the luxury of electronic controls, with both single and double actuation at the flick of a switch, as well as height, depth and linkage operating speed controls.







# 3000 Series interior



*Deluxe heated air suspension seat*

Thanks to our suspension system, conventional tractors simply cannot compete with the Fastrac on comfort and control. Every Fastrac cab comes with two full-size seats as standard, with the option for a deluxe heated suspension seat, and there are lots of added extras such as an optional fridge.

Air conditioning, fitted as standard, excellent ventilation and a powerful heater add to operator comfort, while better heat isolation between cab and bonnet results in a cooler environment with less air con effort. Plus, optional solar glass treatment minimises solar load to improve air conditioning efficiency and, again, maximise comfort. Even in dry environments, a full dust filter provides clean fresh air.

Sophisticated, informative and easy to use, the ergonomically designed controls are all positioned for maximum convenience. On all machines, the JCB Electronic Monitoring System (EMS) an easy-to-understand performance assessment of numerous machine functions to keep the operator up to date with machine productivity. In addition, an optional performance monitor displays fuel consumption, wheel slip and area covered, allowing the operator to maximise fuel economy and minimise tyre wear.

For enhanced operator comfort, the cab is isolated from the chassis by four flexible mountings to reduce noise and transmission vibration. The new Sisu engine, which operates at lower revs, also results in lower in-cab noise levels for reduced operator fatigue. Doors are fitted at both sides, and well-positioned steps and rails make entry and exit easy and safe.

Visibility is also excellent. The main area of the front screen is laminated glass, with toughened glass lower screens giving a view of the front wheels and front-mounted implements. Meanwhile, the advanced optional Xenon lighting package replicates daylight and allows all lights to be used simultaneously; prolonging the working day with little risk of driver fatigue.







## 8000 Series interior

This 8000 Series cab is the largest and most comfortable available. Bar none. It provides incredible legroom and more space for storing all the tools and equipment you need. For the operator, there is an incredibly comfortable air-suspension seat with a seat-mounted control panel and touchscreen monitor keeping all operations conveniently close to hand. Fully automatic climate control allows you to set the desired temperature which the system then works to maintain. Plus there is Fastrac's unique full-size passenger seat.

Ahead of the operator sits a slimline instrument panel with a combination of digital and quick-glance-analogue readings of key machine status information, plus an array of essential warning lights. Back on the armrest, operators can enjoy some of those little essentials of modern life, such as an MP3 player connection and mobile phone charge point.

Options give customers the chance to further enhance comfort and performance by adding, for example, a performance monitor, headland management system, additional worklights, heated front and rear windcreens, driver's seat and electric mirrors.

This advanced cab also maximises visibility, with a four-post instead of six-post design that eliminates side pillars, along with deeper doors and larger windows, giving a clear all-round view of implements, terrain and potential obstructions. At night, new optional Xenon worklights illuminate the surrounding area for longer potential working hours.

Visibility has also been optimised by positioning the exhaust stack alongside the right-hand cab pillar. Plus, mounting the stack on the tractor chassis alone, with no brackets or other supports, helps to reduce noise and vibration to exceptionally low levels. The new Sisu engine which operates at lower revs also lowers in-cab noise.









## Engine

Powerful Cummins 6.7 litre common-rail engine in 165hp (123kW) and 178hp (133kW) variants.

641Nm or torque on 2155 and 675Nm on 2170.

Easily serviceable cooling pack.

Single piece bonnet for service and maintenance access.

330 litre fuel tank enables long days without refilling.

## Front linkage/PTO

Optional 2500kg front linkage.

Optional front single 540/1000rpm PTO.

## Wheels and tyres

5 stud equal sized wheels.

High speed rated tyres.

\*ABS braking system for highest safety.

Optional Pirelli 600/65R28 tyres.

## Chassis

Unique front and rear axle suspension with hydro-pneumatic rear self-levelling.

Robust endurance-tested steel structure.

External disc brakes.

ABS braking system.\*

High quality powder-coated paint finish.

Optional Quadtronic 4WS for tight headland turns.

## Cab and controls

Large spacious cab.

Air conditioning as standard.

Air suspended drivers seat.

Full size passenger seat.

Large opening doors.

Excellent all round visibility.

LCD digital dash panel.

Left hand Autoshuttle lever.

Adjustable steering column.

## Hydraulics

99 l/min flow rate.

Electronic spool valve option with flow and time control.

Hydraulic oil separate from transmission.

4 hydraulic services available to the rear.

## Rear linkage/PTO

6000kg rear lift capacity.

540 and 1000rpm rear PTO.

## Transmission

54 forward 18 reverse-speed Smoothshift 60kph\* transmission.

Gear changes in response to engine load with Autoshift.

Max trac and no-spin differential options.

*\* Depending on territory*





## Chassis

- Unique front and rear axle suspension with hydro-pneumatic rear self levelling
- Z section ladder chassis
- External disc brakes
- ABS braking system\*
- High quality powder-coated paint finish
- New chassis design for improved turning circle

## Cab and controls

- Mid-mounting of comfort provides unrivalled comfort
- Air-suspended driver's seat with ergonomic armrest controls
- Full-size passenger seat
- Adjustable steering column
- Air conditioning as standard
- Hill hold function for effortless start/stop on inclines

## Engine

- 7.4-litre, 6-cylinder Sisu common rail engine, Stage IIIB/Tier 4 compliant
- Easy to clean folding cooling pack
- New lightweight bonnet for better service and maintenance access
- 400-litre fuel tank enables long days without refilling
- Powerboost feature for greater productivity in transport applications
- Front linkage/PTO
- Optional 3500kg front linkage
- Optional front single 540/1000rpm PTO
- Equal size tyres give low rolling resistance.

## Wheels and tyres

- High speed rated tyres
- \*ABS braking system for highest safety
- Equal size tyres give low rolling resistance
- Larger tyre options for reduced compaction and wear

## Hydraulics

- Oil flow up to 126 l/min
- Hydraulic oil separate from transmission
- 4 hydraulic services available to the rear
- Electric spool valves with on screen flow and time controls
- Rear linkage/PTO
- Up to 8000kg rear lift capacity
- 540 and 1000rpm rear PTO

## Transmission

- P-TRONIC transmission for effortless, clutchless gear shifts
- Traction Assist for better grip and control on the road
- Full-colour touchscreen control
- Intuitive joystick control
- Automatic control for optimum performance
- 80kph maximum speed\*

*\* Depending on territory*





## PTO

540/1000rpm or 540E/1000rpm rear PTO options  
1000rpm front PTO

## Cab

Mid-mounting of cab provides unrivalled comfort and visibility  
Air-suspended driver's seat  
Full-size passenger seat  
Low noise and vibration levels  
Air conditioning as standard  
Optional heated front and rear screens, and heated and electrically adjustable mirrors

## Touchscreen control

Colour touchscreen used to control transmission and auxiliary functions  
Allows tractor to be easily set up for specific tasks  
Intuitive operations are easy to learn  
Clear layout for ease of operation

## Engine

8.4-litre, 6-cylinder Sisu common rail engine, Stage IIIB/Tier 4 compliant  
Peak of 1310 Nm of torque  
550-litre fuel tank enables long days without refilling

## Wheels and tyres

Larger rear tyres for excellent rear axle load capacity  
Near 50/50 weight distribution maximises tyre performance  
ABS braking system for highest safety  
All tyres speed rated for 70kph

## Suspension

Unique full suspension system  
Front coil spring and damper suspension  
Rear hydro-pneumatic, self-levelling suspension with ride height control  
Suspension improves traction and offers class-leading comfort

## Hydraulics

Precise control of all functions  
Max oil flow of 195 l/min  
Hydraulic oil fully independent of transmission  
Ability to program joystick to control hydraulic functions  
Electronic spool valves with flow and time control  
10,000kg rear lift capacity

## JCB V-Tronic CVT transmission

2 range continuously variable transmission  
Operation modes include Drive, Manual, Powershift, Flexi  
Easy-to-use directional control joystick  
Highly adaptable to specific operations via colour touchscreen  
70kph maximum speed\*

*\* Depending on territory*



## 2155



## 2170



## 3200 XTRA



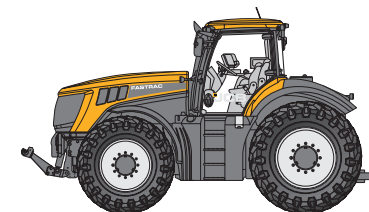
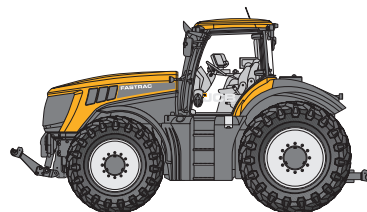
Engine type		Cummins QSB6.7	Cummins QSB6.7	Sisu Power 7.4l Litre Stage IIIB / Tier 4 Interim
Gross power @ rated speed (SAE J1995)	hp (kW)	160 (119) @ 2200rpm	170 (127) @ 2200rpm	190 (142) @ 2100rpm 220hp** (for transport)
PTO	hp (kW)	137 (102)	147 (110)	168 (125.3)
Weight	kg (lb)	6,845 (15,091)	6,845 (15,091)	8,610 (18,982)
Max torque @ engine rpm	Nm	641 @ 1500rpm	675 @ 1500rpm	960 @ 1500rpm
Maximum rear lift capacity	kg (lb)	6,000 (13,230)	6,000 (13,230)	8,000 (17,640)
Auxiliary hydraulics @ rated speed	l/min	99	99	126
*Road speed	kph (mph)	60 (37)	60 (37)	65/80 (40/50)
Brakes (territory dependant)		ABS	ABS	ABS
Fuel tank capacity	litres	330	330	400
Hydraulic tank	litres	85	85	103
Transmission		Smoothshift Selectronic	Smoothshift Selectronic	P-TRONIC

\* Territory and tyre equipment dependant \*\* Only in gears D5/D6

3230 XTRA

8280

8310



Sisu Power 7.4l Litre Stage IIIB / Tier 4 Interim	Sisu Power 8.4 Litre Stage IIIB / Tier 4 Interim	Sisu Power 8.4 Litre Stage IIIB / Tier 4 Interim
220 (164.2) @ 2100rpm 260hp** (for transport)	256 (191) @ 2100rpm	280 (209) @ 2100rpm
190 (141.7)	245 (183)	272 (203)
8,610 (18,982)	10,431 (22,996)	10,431 (22,996)
1015 @ 1500rpm	1195 @ 1500rpm	1310 @ 1500rpm
8,000 (17,640)	10,000 (22,045)	10,000 (22,045)
126	138 or 195	138 or 195
65/80 (40/50)	70 (44)	70 (44)
ABS	ABS	ABS
400	550	550
103	180	180
P-TRONIC	V-TRONIC	V-TRONIC



## Your machine – working efficiently, secure and in good health

JCB LiveLink and Guardian  
are the key to all three



As part of our dedication to looking at new, innovative ways to help you get the most out of your machine, our latest development is JCB LiveLink: an advanced machine monitoring system that enables you to better protect your investment and accurately monitor and improve machine performance.

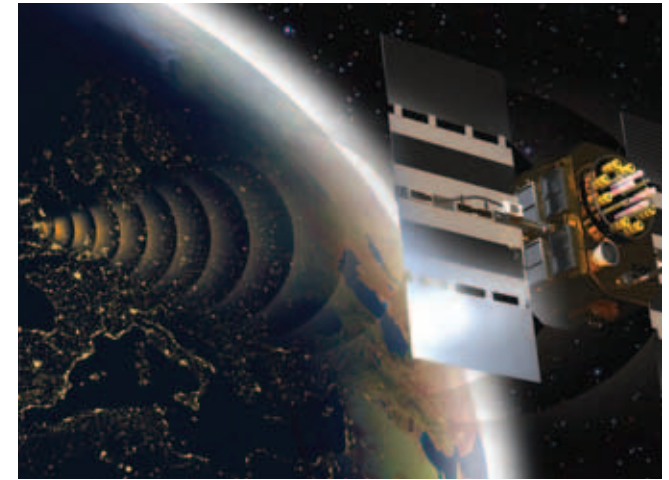
JCB LiveLink is a software system that enables JCB owners to monitor and manage their machines remotely. All you need is a PC connected to the internet. The LiveLink computer is built into the machine where it collects information from a number of sensors. This information is sent, using mobile communications technology, to JCB's secure data centre. Machine management information is then displayed to users via the LiveLink website, by email or via mobile phone.

By providing you with information on the usage and productivity of your fleet, JCB LiveLink enables you to keep track of each machine's efficiency, ensuring that you get the best value for money possible.

By providing information on the location, movement and activity of machines, the system can also assist in ensuring machines are operated at the correct times and helps to protect them from theft. And, JCB LiveLink helps machine owners to confirm that their machines are well maintained and in good health without having to travel around work sites inspecting machines.

In response to increasing concerns regarding machine security, we now also offer JCB Guardian as an option on every new JCB machine. JCB Guardian is a package of theft protection and monitoring systems that includes LiveLink telemetry along with \*CESAR identification, immobiliser technology and a host of optional locks and guards. It's your peace of mind solution that can also result in considerable insurance premium savings.

*\*Territory specific*









## Agricultural heritage

From our first agricultural tipping trailer to a global brand

**JCB is no run-of-the-mill company. From the dreams of one man, Joseph Cyril Bamford, and our beginnings in agricultural machinery, we have grown into a major world brand. Since 1945, the same attention to detail, passion for progress and intrepid family spirit has taken us from strength to strength.**



JCB operates across all six continents, manufacturing at 20 factories in the UK, Brazil, Germany, China, North America and India. We have over 2,000 dealerships and depots selling and supporting our products in excess of 150 countries, we boast some of the finest engineering facilities in the world.

We're also renowned for producing some of the most innovative and popular farm machinery in the world, which includes the Fastrac and the world-beating loadall, along with wheeled loading shovels that are designed specifically for farming, not adapted from construction.

Our dedication to innovation in agriculture is unceasing; we will never forget our roots.





## JCB expertise

### The best back-up in the business

JCB is renowned for providing legendary customer support. Our dealers are all specialists in agriculture so they know exactly what they're talking about. And of course, they're committed to ensuring that your 8000 Series completely fulfils its potential, ensuring you maximum uptime for optimum productivity.

At the heart of our support network is the JCB World Parts Centre, a state-of-the-art facility operating 24/7 to dispatch more than a million genuine parts and attachments every week to our dealers and distribution centres: we are there when you need us.

Just as important as genuine JCB parts are the people who fit and maintain them. Our JCB-trained technicians in all of our dealerships provide excellent, expert customer care, whether it's routine servicing or something more urgent.

It's all part of our commitment to putting the customer at the heart of our business.





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Download the very latest information on this product range at: [www.jcb.com](http://www.jcb.com)

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