

JCB 8250 | FASTRAC



A Product  
of Hard Work

# Committed to agriculture

In 1991 JCB Landpower launched the Fastrac, a machine that has revolutionised agriculture. Now, the culmination of years spent listening to our customers and exploring new technologies, we bring you the world's first, fully suspended, high-draught tractor with a continuously variable transmission (CVT) and a road speed of 40mph (65kph).

Everything about the 8250 Fastrac is designed for class-leading productivity: front and rear suspension provides unrivalled ride comfort for more hours in the seat; transmission modes are selected via an innovative touch-screen for control at your fingertips; and the CVT (and sheer productivity) of the machine translate to more work done in a day – that's more profit-earning potential.



<b>Engine Type</b>	Cummins QSC 8.3Ltr
<b>Gross hp (kW) @ Rated Speed</b>	260hp (194kW) @ 2200rpm
<b>DIN hp (kW) @ Rated Speed</b>	248hp (185kW) @ 2200rpm
<b>Transmission</b>	JCB V-Tronic (CVT)
<b>Suspension</b>	Full front and rear
<b>Weight</b>	10,640kg
<b>PTO hp</b>	225hp (168kW)
<b>Max. Torque (Nm) @ (Engine RPM)</b>	1179Nm @ 1200rpm
<b>Max. Rear Lift Capacity</b>	10,000kg (22,045lb)
<b>Aux. Hydraulics</b>	180 l/min
<b>Road Speed</b>	65kph (40mph)
<b>Brakes</b>	ABS

THE MOST PRODUCTIVE TRACTOR IN ITS CLASS



# FAST FACTS

## More flexible, more productive

- JCB V-Tronic transmission increases operational potential
- Front and rear suspension increases comfort for more hours in the field
- Road speed of up to 40mph (65kph) decreases travel time between fields, so you can do more
- ABS braking gives you safe, controlled stopping power
- High-torque engine delivers on demand



## A unique concept. Created for class-leading productivity

When we created the JCB 8250 Fastrac, we created something unique. First, at the very heart of the 8250 concept, is the V-Tronic continuously variable transmission (CVT). This increases operational potential in the field by giving you: uninterrupted acceleration and deceleration; a number of different operating modes; and easier direction changes for simpler operation and handling.

Second, because this machine can travel up to 40mph (65kph), you need to know you've got stopping power as well as excellent directional stability and control, particularly in wet conditions. That's what you get from our twin calliper braking system with ABS, as standard. This system meets EEC truck standards, so the 8250 can legally travel at over 20mph (32kph)\*. In fact, JCB is still the only manufacturer to produce a high-draught agricultural tractor that meets the legislative requirements to be legally classed as a high-speed tractor.

Now, let's talk full chassis design and front and rear suspension, which means two things: traction and comfort.

The full suspension system is designed to deliver consistent ground force from the tyres, maximising traction and minimising compaction. The tyres

themselves are slightly unequal, optimising performance whilst maintaining near 50/50 weight distribution and a true four-wheel-drive system (with an excellent turning circle). And because the 8250 gains traction through its suspension, it requires less ballast than a conventional tractor.

Front and rear progressive suspension, together with anti-roll bars, also means that the 8250 safely and comfortably handles road travel. And in the field, it smoothes out rough conditions for more hours in the seat leading to more earning potential.

And the final thing that sets this most productive and competitive of tractors apart?

The V-Tronic controls with on-board touch-screen...

\*market dependent





# FAST FACTS

## Tailoring the tractor to the task, effortlessly

- Joystick provides instant control of basic transmission operations
- Joystick auxiliary control buttons are programmable via the touch-screen
- Touch-screen design is easy to navigate for speed and clarity of use
- Touch-screen allows you to select transmission modes
- Touch-screen allows you to easily adjust tractor functions



## V-Tronic Controls. Performance at your Fingertips

What makes the 8250 so different is our unique, ergonomic control system which uses an armrest-mounted joystick and a colour touch-screen.

The joystick effortlessly controls the basic transmission operations: forward/reverse and increase/decrease in speed. It also has four auxiliary control buttons that can be programmed by the operator via the touch-screen.

The 8250 touch-screen, mounted to the right of the operator's seat, has been developed for speed and ease of use. Without any confusion, it allows you to tune the transmission to the specific task in hand, with a choice of four modes:

**Drive** The transmission behaves like an automatic car, perfect for travelling between fields by road; just hit the foot throttle and go.

**Manual** Using the joystick controller the operator has full and extremely precise control of the transmission for maximum adjustability.

**Powershift** The transmission emulates a traditional powershift with 15 forward 'gears' in low range and 10 forward 'gears' in high range.

**Flexi** The operator sets the engine speed and the maximum forward speed that can be achieved.

The foot throttle is then used to vary the forward speed between zero and the maximum forward speed setting. Ideal for harvesting operations.

You can also set up or view the following functions using the touch-screen:

- PTO, 4WD, diff-locks and area meter cut-outs
- Joystick-controlled auxiliary functions, including:
  - Front linkage raise/lower
  - Rear linkage raise/lower
- Spool valve pressure A and B, neutral and float
- Touch-screen configuration, language, brightness, etc
- Diagnostic information

So, with the simple touch of a screen, it's quick and easy to tailor the tractor to whatever task you have to do.





# FAST FACTS

## Maximum power, minimum downtime

- 8.3-litre, common rail engine produces 1179Nm of torque
- The engine connects seamlessly with the transmission for optimum efficiency
- Power combined with higher-performance hydraulics means the 8250 can handle the heaviest of implements
- Hydraulics only pump oil on demand for increased efficiency and reduced wear
- Electronic management system continuously monitors all machine parameters for maximum productivity



## Pure Power. Optimum Performance in the Field

The 8250 is the most powerful JCB tractor, ever. Fitted with the latest Tier-3 compliant Cummins engine, it has 24 valves, 8.3 litres, turbocharging and air-to-air intercooling. This gives you an incredible 248 DIN hp at rated speed and a maximum torque output of 1179Nm, whilst producing 1100Nm of torque for over 65% of the engine's speed range.

The engine also features a Cummins CM850 common-rail fuel injection system with electronic management. This allows the transmission and engine to work in conjunction with each other using JCB Landpower developed technology, providing you with real performance, whatever the application.

As with all Cummins electronic management engines the control system continuously monitors engine performance to help increase service life. Following an initial 100-hour service the engine oil and filter only need renewing every 500 hours, whilst top-end engine maintenance is only required every 5000 hours.

The JCB 8250 is fitted with a 180 l/min variable displacement hydraulic pump. This only pumps oil on demand, increasing efficiency and reducing component wear, and only supplies oil to the front

and rear linkage systems and the auxiliary spool valves. Two further pumps supply oil to the trailer brakes, suspension and steering systems.

When it comes to linkages, all 8250s feature a heavy-duty Category 3 system with a 10000kg rear-lift capacity. With electronic control of all functions there is also rear hitch damping as standard which, combined with the full suspension, gives unprecedented ride quality and reduced wear and stress from shock loads.

So what you get is a machine with a huge amount of power and hydraulic performance, that actually minimises servicing costs and downtime.

Simply superb.







# FAST FACTS

More spacious,  
more comfortable

- Two full-size seats as standard, plus optional deluxe air suspension driver's seat, help minimise fatigue
- Ergonomically designed controls are positioned for maximum convenience
- Excellent all-round visibility improves operation and safety
- Electronic foot and hand throttles reduce in-cab vibration
- Air conditioning, excellent ventilation and powerful heating enhance operator comfort



## Cab Comfort. The Ultimate in Luxury

The most comfortable operator environment available. That's what you get when you put such a spacious, well-appointed cab onto a fully fledged suspension system. You also get a genuine head start when it comes to productivity.

Thanks to our suspension system, conventional tractors simply can't compete with the 8250 on comfort and control. Every 8250 cab comes with two full-size seats as standard; for even greater comfort, there's the optional deluxe air suspension driver's seat. Air conditioning fitted as standard, excellent ventilation and a powerful heater add to

an outstanding operator environment. And even in dry conditions, a full dust filter provides clean, fresh air.

Sophisticated, informative and easy to use, the ergonomically designed controls are all positioned for maximum convenience. Visibility isn't restricted by the engine, as in some competitor machines, giving an excellent all-round view. Plus, electronic foot and hand throttles reduce in-cab vibration and noise levels are as low as 72dba.

No other cab helps minimise fatigue so effectively, giving the operator every chance to make full use of the immense potential at his fingertips.





# THE BEST BACK-UP IN THE BUSINESS

## Always on hand to help

You demand more from your machines than ever before: more efficiency, more reliability, more performance. That's why superb product support has never been so vital.



Together with our extensive dealer network, at JCB we're as innovative and forward-thinking when it comes to customer care as we are in machine development. Our product support and after-sales service have one aim: to give you peace of mind.

The care and quality we offer is exceptional. All servicing is carried out by the best, factory-trained JCB engineers. Using the internet to pass vital information between on-site service personnel and our product support engineers, these professionals always have specialist information at their fingertips, so they can get you up and running again, faster.

## Protect your machine and your cashflow

Everyone has individual needs and preferences. So we offer a range of service options all designed to help you cope with the unexpected and minimise costly downtime. Whether it's additional breakdown cover, an all-inclusive scheduled service programme, or servicing, we've got the best service option for you.



## Finance packages, tailored to your needs

With ever-growing pressures on cashflows, the finance options available through JCB can provide a vital lifeline. Backed by JCB Finance, who can provide tax-efficient and cost-effective finance solutions, designed and tailored specifically to your needs.

## Trust the genuine article

JCB parts are renowned worldwide for performance, reliability and safety. With replacement parts, we supply only the genuine

article, helping to safeguard the impressive residual values that you can expect in years to come.

As well as large stocks of parts engineered specifically for your machine, your JCB dealer also holds an extensive range of JCB premium lubricants, JCB filters and JCB Powermaster batteries, all manufactured to the same exacting standards. Your requirements can usually be supplied immediately by our dealers, but where this is not possible they can be ordered through the direct computer link between your dealer and JCB Service and processed through our impressive automated World Parts Centre warehouse. Despatch is normally the same day either to you or the dealer.

**Whether we're providing you with support, parts or finance, we aim for 100% satisfaction. It's all part of our promise to put you, the customer, first.**



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