



WHEELED LOADING SHOVEL | AGRICULTURAL RANGE



BUILDING THE ULTIMATE AGRICULTURAL RANGE.

Ever since JCB was founded by Joseph Cyril Bamford in a small garage in Staffordshire in 1945, innovation has driven our machines and our thinking. Of course we've grown since then – to employ over 10,000 people across 4 continents – but innovation remains at the heart of everything we do.

A history of innovation

We've been innovating since day one, and we've always cultivated a uniquely fearless approach to design. Indeed, we've invented whole new genres of machinery – the Fastrac and the telehandler for example – and revolutionised others like the skid steer loader.

The best backup in the business

A key component of any JCB machine is peerless backup and support: our 2,000-strong global dealership and service network keeps the customer at the centre of everything we do, in over 150 countries worldwide. Our World Parts Centre, meanwhile, aims to deliver anywhere on earth within 24 hours.

Success by the million

Every JCB is designed and built to offer ultimate productivity, durability, efficiency, safety, comfort and reliability, so it's perhaps not surprising that we've just built our millionth machine. As you'd expect from such an innovative company though, we won't be resting on our laurels.





403 AGRI WHEELED LOADING SHOVEL.

1. Made to move

The JCB 403 AGRI is a compact, manoeuvrable and versatile machine, boasting a 15km/h top speed.

2. Powerful engine

Much of this machine's speedy on-site performance is courtesy of a lively 28kW (37.5hp) engine.

6. Free Wheeling

Individual hydraulic motors on each wheel mean you're less likely to get entangled in baler twine or straw.

3. Go-anywhere dimensions

This little machine can fit into the eaves of poultry sheds and access even the most restricted livestock sheds and farm buildings.

4. Loads off your mind

With a 0.3m³ shovel and 2180mm dump height, you can get loads of material shifted in no time.

5. Hydrostatic drive

Our hydrostatic drive technology makes operating the 403 easy and, because there are no driveshafts, you get excellent ground clearance too.





Large selection of attachments available.



Fast cycle times.



Compact dimensions to access restricted areas.



The 403 AGRI is compact enough to fit into the eaves of poultry sheds and other very tight spaces.



Easily transported between sites.

		403 AGRI
Maximum operating weight	kg	2155
Maximum gross engine power	kW (hp)	28 (37.6)
Shovel capacity	m ³	0.3
Full turn tipping load	kg	838
Payload	kg	419
Maximum breakout force	kN	20.5
Dump height @ 45°	mm	2167

407/409 AGRI WHEELED LOADING SHOVEL.

1. Lifting capacity: 407 Agri

The smaller 407 Agri has an impressive 3326kg full turn tipping load with its standard 0.8m³ bucket.

2. Lifting capacity: 409 Agri

With the standard 1m³ bucket there's a 4,583kg straight tipping load (3,648kg at full turn). With optional pallet forks there's still a 3737kg capacity.

3. Giving great service

Servicing is easy thanks to wide opening bonnets; long service intervals; virtually maintenance-free brakes; and easily accessible components.

4. Engine performance

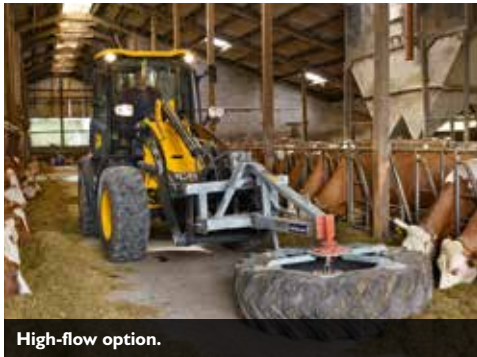
A Tier 4 final / Stage IV-compliant JCB Diesel engine by Kohler without a DPF. Gives maximum uptime and no wasted engine power.

5. Innovative transmission

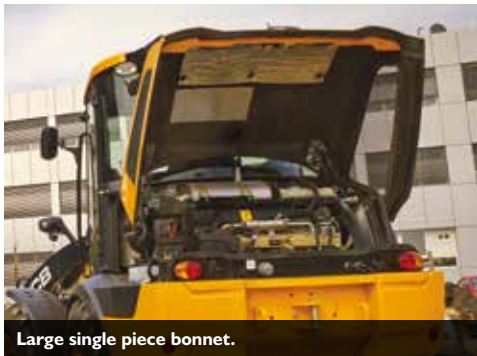
All-wheel-drive hydrostatic transmission provides good traction in all conditions, as well as reduced tyre wear and lower running costs.

6. On the road

The powerful JCB 409 Agri offers 20km/h roading speed, with an optional 40km/h upgrade for even more speed and productivity.



High-flow option.



Large single piece bonnet.



3.5 tonnes rear hitch option.



Comfortable spacious cab.



Inching pedal allows precise control.

		407 AGRI	409 AGRI
Operating weight	kg	5063	5926
Maximum gross engine power	kW (hp)	48 (64)	56 (75)
Shovel capacity	m ³	1.4	1.6
Full turn tipping load	kg	3326	3648
Payload	kg	1663	1824
Maximum breakout force	kN	41.9	53.8
Load over height	mm	2991	3189

413S WHEELED LOADING SHOVEL.



1. "S" is for agriculture

The JCB 413S is specially designed for agricultural applications; a close-ratio six-speed transmission, LSD axles and a widecore cooling pack are standard-fit.

2. Redesigned cab

Our refreshed 3m³ cab comes with an adjustable steering column, a thoroughly modern central dash display, colour LCD screen and much more.

5. EcoMAX productivity

JCB's award-winning 4.8-litre EcoMAX engine delivers plenty of power and torque, and also boasts a variable geometry turbo.

3. Efficiency-boosting features

With super-efficient flourishes like high back-off brakes and electronically managed clutch cut-off, you get more from every drop of fuel.

4. Always in control

For superior productivity, operators can choose from three control systems including our new joystick and electro-hydraulic proportional auxiliary control.

6. Keeping its cool

To maintain cooling and fuel economy whilst lowering noise levels, there's a viscous coupled engine fan which automatically adjusts its speed.



Variable displacement pump provides precise and efficient loader control.



High lift arm option is available.



JCB Smoothride option reduces material spill.



Excellent all-round visibility.

		413S
Maximum operating weight	kg	8834
Maximum gross engine power	kW (hp)	108 (145)
Shovel capacity	m ³	1.6
Full turn tipping load	kg	5410
Payload	kg	2705
Maximum breakout force	kN	62.7
Dump height @ 45°	mm	2610

418S WHEELED LOADING SHOVEL.

1. Best on the farm

A short-ratio six-speed transmission and LSD axles (providing lock up in every gear), provide the performance and efficiency you need for agriculture.

2. Space to work

Our redesigned cab measures a spacious 3m³ and includes a modern central dash display, colour LCD screen, adjustable steering column and more.

5. Pushing further

The new Stage IIIB/T4i Cummins engine produces 173hp (129kW) and 801Nm of torque. Power-to-weight ratio is best-in-class and roading speed is 40 kph (50 kph optional).

3. Super efficiency

High back-off brakes and electronically managed clutch cut-off ensure maximum productivity from every tank.

4. State-of-the-art controls

The 418S is controlled via a new joystick and electro-hydraulic proportional auxiliary system, making for great productivity.

6. Clearly superior

To clear debris from the cooling pack, choose our optional reversing fan. The main cooling fan is an economical and quiet variable speed hydraulic unit.



High back-off brakes reduce viscous drag during roading and rehandling.



Insulated operator environment for reduced noise levels.



180 l/min flow rate for ultimate multitasking.



Large single piece bonnet.

		418S
Maximum operating weight	kg	10344
Maximum gross engine power	kW (hp)	129 (173)
Shovel capacity	m ³	1.6
Full turn tipping load	kg	6345
Payload	kg	3173
Maximum breakout force	kN	70
Dump height @ 45°	mm	2688

435S WHEELED LOADING SHOVEL.

1. Ultimate ergonomics

There's a wealth of seat choices, as well as a stylish, modern central dash display supplying important machine information.

3. Anything but idle

Our Automatic Idle feature drops rpm to 700 after 30 seconds of inactivity. Eco mode limits engine speed to 1800rpm for better fuel efficiency.

2. Comfort guaranteed

A tilting telescopic steering column, plus a choice of controls (multi-lever, joystick, or joystick with proportional auxiliary) keep operators comfy and productive.

4. Six-speed gearbox

JCB's unique 6-speed transmission for optimum cycle times and efficiency. A torque converter lock-up in every gear improves acceleration, climbing and roading.

5. Premium machine

The 435S uses top components like a Cummins engine, ZF transmissions, ZF axles and Rexroth pumps.

6. High power-to-weight ratio

A high power-to-weight ratio is ideal for farm work. Likewise JCB's optional smoothride system, which reduces spillages and structural stress whilst increasing comfort.



264 l/min hydraulics provide fast cycles.



Excellent all-round visibility.



435S has a huge power-to-weight ratio of 16.8hp/tonne for ultimate pushing, climbing and roading performance.

Wide-opening gullwing doors for easy access to engine bay and cooling pack areas.



		435S
Maximum operating weight	kg	13688
Maximum gross engine power	kW (hp)	172 (230)
Shovel capacity	m ³	2.4
Full turn tipping load	kg	8187
Payload	kg	4023
Maximum breakout force	kN	138
Dump height @ 45°	mm	2.86

411/417 AGRI WHEELED LOADING SHOVEL.

1. EcoMAX performance

The 4.4-litre variable geometry turbocharged EcoMAX engine delivers 81kW/108hp and 516Nm on the 411, or 93kW/125hp and 550Nm on the 417.

2. Redesigned cab

JCB's refreshed 3m³ cab comes with three control types, an adjustable steering column, modern central display, colour LCD screen and more.

3. Clutch disconnect feature

Clever electronic management can disconnect the clutch via the brake pedal. Maximum power is routed to the hydraulics, reducing brake wear and fuel use.

4. Delivering in bulk

Bulk-handling capability is excellent; the 417 even gives you the choice of high lift (HL) and super high lift (SHL) loader arms for loading at height.

6. Keeping its cool

To maintain cooling and fuel economy whilst lowering noise levels, the viscous coupled fan automatically adjusts its speed for ambient temperature.

5. More for your money

Super-efficient features like high back-off brakes and electronically managed clutch cut-off help to reduce fuel consumption.





High output handling in grain and fertiliser stores.



Stylish modern central dash display with colour LCD screen.



4 speed powershift transmission.



Ideal for general purpose loading applications.

		411 AGRI	417 AGRI
Maximum operating weight	kg	8722	9425
Maximum gross engine power	kW (hp)	81 (109)	93 (125)
Shovel capacity	m ³	1.4	1.6
Full turn tipping load	kg	5451	6042
Payload	kg	2726	3021
Maximum breakout force	kN	73.2	100
Dump height @ 45°	mm	2718	2666

427/437 AGRI WHEELED LOADING SHOVEL.

2. A great workplace

At 3m³, the operating environment is spacious, with plenty of storage. Air con and climate control options help create perfect working temperatures.

1. At home on the farm

The JCB 427 or 437 AGRI is a powerful wheeled loader that's ideal for bulk handling duties. It's right at home in commercial grain and fertiliser stores.

3. Always in the right gear

The 427 Agri has optional 6-speed gearbox for optimum gear matching to any application, and also features a lock-up torque converter on gears 2 to 6.



6. Lifting performance

HT loader geometry is perfect for parallel lift and multi-attachment use. The 427 can lift 4.2 tonnes to 3.63m; the 437 can lift 4.8 tonnes to 3.76m.

5. Designed for any operator

There's a tilting telescopic steering column and different selectable loader controls (multi-lever, joystick, joystick with proportional auxiliary).

4. Efficiency-boosting technology

A transmission dump maximises hydraulic performance and limits vehicle speed when loading. Load-sensing hydraulics only use power on demand.



Smoothride option reduces material spillage.



Air conditioning and climate control options.



A range of loader controls : multi-lever, joystick or joystick with proportional controls.



Specifically designed for bulk handling farm applications.

		427 AGRI	437 AGRI
Maximum operating weight	kg	13362	15050
Maximum gross engine power	kW (hp)	129 (173)	129 (173)
Shovel capacity	m ³	2.4	2.7
Full turn tipping load	kg	7944	9436
Payload	kg	3972	4718
Maximum breakout force	kN	138	147
Dump height @ 45°	mm	2860	2883

ATTACHMENTS.

FROM BUCKETS, SHOVELS, HYDRAULIC POWERPACKS AND TOOLS, TO SPECIALISED PRODUCTS FOR A HUGE RANGE OF APPLICATIONS LIKE SORTING AND DEMOLITION, OUR GENUINE JCB ATTACHMENTS CAN BE PERFECTLY MATCHED TO ANY MACHINE. THEY'RE BACKED BY OUR WORLDWIDE SERVICE TEAM TOO.



Large capacity shovels.



JCB Sweeper collector.



Muck fork.



Grain shovel.



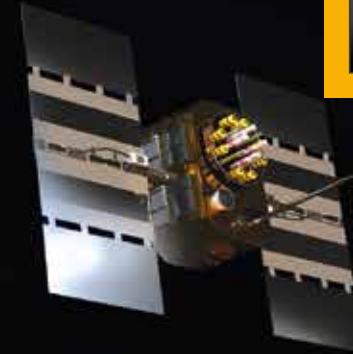
Bale grab.



LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MANAGE JCB MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. ACCESS EVERYTHING FROM MACHINE ALERTS TO FUEL REPORTS AND HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.

Productivity and cost benefits

By providing information like idle time monitoring and machine fuel consumption, JCB Livelink helps reduce your fuel usage, saving money and improving productivity. Machine location information can help improve efficiency and perhaps even reduce insurance costs.



Maintenance benefits

Manage machine maintenance easily – accurate hours monitoring and service alerts improve maintenance planning, while real-time location data helps you manage your fleet. Critical machine alerts and maintenance history records are also available.



Security benefits

Livelink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information.



VALUE ADDED

JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.

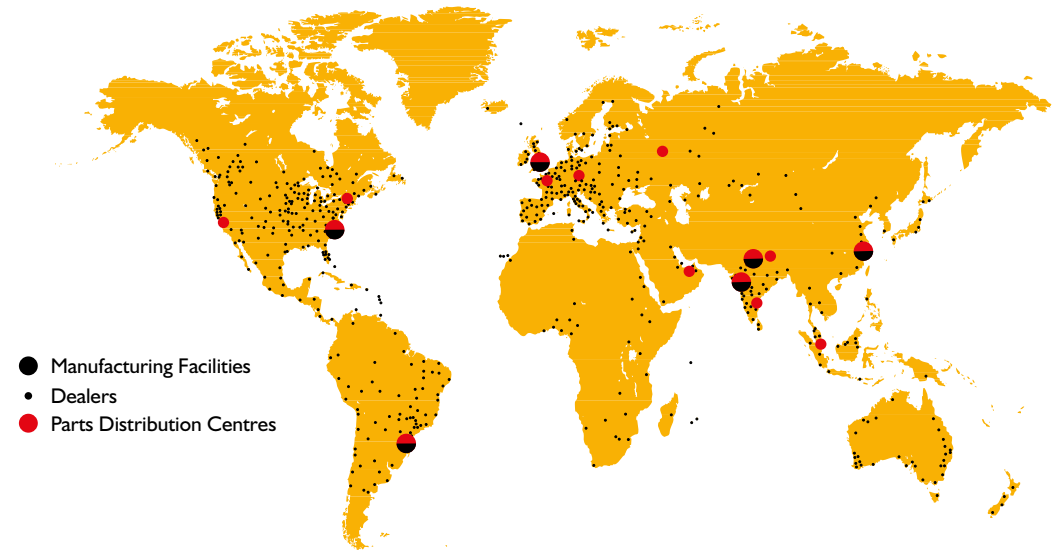


1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

2 The global network of JCB Parts Centres is another model of efficiency; with 15 regional bases, we can deliver around 95% of all parts anywhere in the world within 24 hours. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.



3 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.



Note: JCB LIVELINK and JCB ASSETCARE may not be available in your region, so please check with your local dealer.







ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

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JCB Agriculture, Rocester, Staffordshire ST14 5JP.
 Tel: +44 (0)1889 590312 Email: salesinfo@jcb.com
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