



WHEEL LOADER | RANGE



## BUILDING THE **ULTIMATE** 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 backhoe loader and the telehandler for example – and revolutionised others like the tractor or 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 WHEEL LOADER.

## 1. Lifting capacity

Choose between a standard loader arm for general purpose work or extended high lift for stacking and loading at height.

## 2. The very best components

We've picked the very best components, including a Kubota engine, ZF axles and Bosch Rexroth hydraulic transmission. They're all designed to work in perfect harmony, ensuring economical and productive performance.

## 4. Quick change

Range of quickhitches available, each equipped with hydraulic locking pin as standard, meaning you can change attachment easily and safely.

## 3. Compact size

Measuring 2.2m in height and under 1.1m in width (in the narrowest configuration) the JCB 403 can operate in the tightest of operating environments. The 403 also benefits from a tight steering angle of 45 degrees to increase performance further in compact areas.

## 5. Manoeuvrability

Our two-speed hydrostatic Bosch Rexroth transmission makes it easy for operators to achieve precise machine movements even in cramped spaces.





Maximised performance with a high lift capacity and high hydraulic flow rate for powering attachments.



Large single piece bonnet makes easy access.



Compact wheel base and 45 degree steering articulation help to ensure tight turning circles and superb manoeuvrability.



Comfortable, ergonomic driving position.

		403
Operating weight range	kg	2452 - 2542
Maximum gross engine power	kW (hp)	26 (36hp)
Shovel capacity	m <sup>3</sup>	0.4
Full turn tipping load range	kg	1015 - 1291
Payload range	kg	509 - 643
Maximum breakout force	kN	16
Load over height	mm	2612 - 2820

# 406/407/409 WHEEL LOADER.

## 1. Lifting capacity: 406

The smaller 406 has an impressive 3250kg full turn tipping load with its standard 0.8m<sup>3</sup> bucket.

## 2. Lifting capacity: 409

With the standard 1m<sup>3</sup> bucket there's a 4,583kg straight tipping load (3,648kg at full turn). With optional pallet forks there's still a 3787kg 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 IIIB-compliant JCB Diesel engine by Kohler without a DPF. Gives maximum uptime and no wasted engine power.

## 5. Innovative transmission

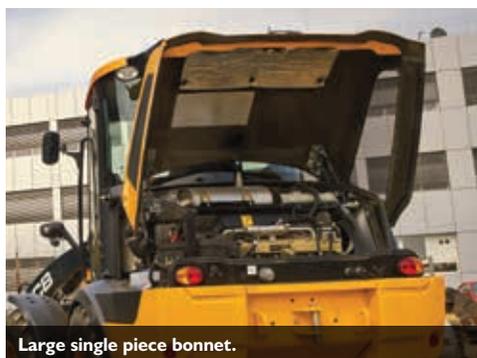
All-wheel-drive hydrostatic transmission provides good traction in all conditions, as well as reduced tyre wear and lower running costs.

## 6. On the road

The powerful JCB 409 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.

		406	407	409
Operating weight range	kg	4873 - 5020	5063 - 5210	5927 - 6031
Maximum gross engine power	kW (hp)	36.4 (49)	48 (64)	55 (74)
Shovel capacity	m <sup>3</sup>	0.8 - 1.4	0.8 - 1.4	1.0 - 1.6
Full turn tipping load range	kg	3088 - 3250	3160 - 3326	3452 - 3648
Payload range	kg	1544 - 1625	1580 - 1663	1725 - 1824
Maximum breakout force	kN	41.9	41.9	53.8
Load over height	mm	2991	2991	3189

# 411/417 WHEEL LOADER.

## 1. JCB CommandPlus cab

The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.



## 4. Clearly better

Visibility on these machines is excellent all-round, which helps to boost productivity, operator comfort and safety.



## 2. EcoMAX productivity

The 4.4-litre EcoMAX engine in the JCB 411/417 delivers plenty of power and torque, and also boasts a variable geometry turbo and SCR.



## 5. No afterthoughts

The engine meets Tier 4 Final/Stage IV emission regulations without the need for a Diesel Particulate Filter (DPF), meaning no need for periodic regeneration or serviceable aftertreatment.

## 3. More for your money

A viscous coupled engine fan automatically adjusts its speed depending on ambient temperature, optimising cooling, saving fuel and lowering noise.

## 6. Well-articulated

A heavy-duty box section design with precision-machined pins/bushes and twin taper roller bearings make the articulation joint extremely strong.



Heavy-duty centre joint.



JCB CommandPlus cab with two LCD screens give easy access to operating menus. Adjustable steering column with seat mounted hydraulic controls.



Standard widecore cooling pack.

		411 HT	417 HT	417 HT HL	417 HT SHL
Operating weight range	kg	8655 - 8965	9567 - 9812	9617 - 9862	9907 - 10452
Maximum gross engine power	kW (hp)	81.3 (109)	93 (125)	93 (125)	93 (125)
Shovel capacity	m <sup>3</sup>	1.2 - 1.6	1.4 - 1.6	1.4 - 1.6	1.4 - 1.6
Full turn tipping load range	kg	5091 - 5585	5767 - 6129	5337 - 5707	3918 - 4196
Payload range	kg	2546 - 2793	2884 - 3065	2669 - 2854	1959 - 2098
Maximum breakout force	kN	73.2	70	70	70
Load over height	mm	3344 - 3366	3339 - 3358	3554 - 3568	4199 - 4216

# 427/437 WHEEL LOADER.

## 1. Big performers

The Cummins QSB 6.7 litre engine produces massive power (133kW in the 427, 136kW in the 437) and peak torque (841Nm) arrives at low revs.

## 2. Higher productivity

For high-up applications like hopper and lorry loading, opt for a high-lift (427 and 437) or super-high-lift (437 only) HT arm.

## 3. Loads of benefits

Choose your ideal loader arm: Z-bar linkage (ZX) produces huge breakout, while high torque (HT) excels in parallel lift and multi-attachment use.

## 4. Premium transmission

Optional torque lock-up 5-speed transmission provides 100% efficiency in 2nd to 5th gears, improving fuel consumption.

## 5. No afterthoughts

The engine meets Tier 4 Final/Stage IV emission regulations without the need for a Diesel Particulate Filter (DPF), meaning no need for periodic regeneration or serviceable aftertreatment.

## 6. Stopping power

JCB's wheel-speed braking technology reduces heat, drag and fuel consumption because the brakes rotate at the same speed as the wheels.





Smoothride option reduces material spillage.



Air conditioning and climate control options.



Twin electric actuator, single piece hood.



High torque at low rpm.



JCB CommandPlus cab with two LCD screens give easy access to operating menus. Adjustable steering column with seat mounted hydraulic controls.

		427 HT	427 HT HL	427 ZX	437 HT	437 HT HL	437 HT SHL	437 ZX
Operating weight range	kg	13381 - 14019	13591 - 14229	13687 - 14359	14780 - 15426	15199 - 15845	15457 - 16103	15150 - 15892
Maximum gross engine power	kW (hp)	133 (179)	133 (179)	133 (179)	136 (183)	136 (183)	136 (183)	136 (183)
Shovel capacity	m <sup>3</sup>	1.8 - 2.7	1.8 - 2.7	2.0 - 2.7	2.3 - 2.7	2.3 - 2.7	2.3 - 2.7	2.3 - 2.7
Full turn tipping load range	kg	8337 - 9478	6999 - 7988	7814 - 8872	8496 - 9851	6834 - 7917	5493 - 6433	8355 - 9709
Payload range	kg	4168 - 4739	3499 - 3994	3907 - 4436	4248 - 4925	3417 - 3958	2747 - 3216	4177 - 4854
Maximum breakout force	kN	138	138	145	147	147	153	176
Load over height	mm	3610 - 3627	4040 - 4057	3638 - 3645	3755 - 3760	4409 - 4414	4976 - 4981	3755 - 3760

# 457 WHEEL LOADER.

## 1. Built to last

We use state-of-the-art manufacturing processes like robot machining, precision paint technology and innovative assembly techniques.

## 2. JCB CommandPlus Cab

The ultimate in operator comfort and productivity. Unrivalled visibility, command driving position and seat mounted controls keep you in total command.

## 5. New generation not regeneration

The engine meets Tier 4/Stage IV regulations without the requirement for a costly and complex DPF. One advantage of this is reduced servicing costs.

## 3. Low maintenance braking

Because the braking system uses a hydraulic dual circuit design with oil-immersed discs, it has a virtually maintenance-free lifespan.

## 4. Optimum performance

Our optional close-ratio 5-speed gearbox improves acceleration, hill climbing and roading. The lock-up element improves cycle times and efficiency even more.

## 6. The ultimate engine

A MTU 7.7 litre engine 193kW(258hp) is fitted to the 457; expect 4% more power and up to 16% efficiency gains than outgoing model 186kW(250hp)



Excellent all-round visibility.



Automatic opening single piece bonnet.



Increased power at low revs gives up to 16% fuel savings.



JCB CommandPlus cab with two LCD screens give easy access to operating menus. Adjustable steering column with seat mounted hydraulic controls.



		457 HT	457 HT SHL	457 ZX	457 ZX HL
Operating weight range	kg	20152 - 21346	20989 - 22255	19621 - 20951	19883 - 21286
Maximum gross engine power	kW (hp)	193 (258)	193 (258)	193 (258)	193 (258)
Shovel capacity	m <sup>3</sup>	3.1 - 3.5	2.8 - 3.5	3.1 - 3.5	2.8 - 3.5
Full turn tipping load range	kg	12467 - 14719	7982 - 9963	13100 - 15407	9680 - 11668
Payload range	kg	6233 - 7359	3991 - 49881	6550 - 7703	4840 - 5834
Maximum breakout force	kN	161	175	172	164
Load over height	mm	3991 - 4031	4962 - 4997	3802 - 3834	4285 - 4405

## 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.



High capacity waste shovel.



Sweeper collector.



Forks.



High tip shovel.



Waste shovel with top grab.

<b>403</b>		<b>GP Shovels</b>	<b>6 in 1 Shovel</b>	<b>Forks</b>	<b>Fork Frame</b>	<b>Crane Hook</b>	<b>Sweeper Collector</b>	<b>Rehandling Shovel</b>
Size	mm	1200 - 1480	-	1100	-	-	-	-
Capacity		0.34 - 0.5m <sup>3</sup>	-	1t - 1.5t	-	-	-	-
Weight	kg	132 - 153	-	179	-	-	-	-
<b>406/407</b>								
Size	mm	1900	1900	1067 - 1200	1345	340	2100	-
Capacity		0.8 - 1.4m <sup>3</sup>	0.75m <sup>3</sup>	1t - 1.5t	-	1t	0.37m <sup>3</sup>	-
Weight	kg	275 - 400	435	94 - 100	88.5	106	705	-
<b>409</b>								
Size	mm	1950 - 2200	1950	1067 - 1200	1345	340	2100	-
Capacity		0.9 - 1.6m <sup>3</sup>	0.9m <sup>3</sup>	1t - 1.5t	-	1t	0.37m <sup>3</sup>	-
Weight	kg	332 - 434	436	94 - 117	96 - 130	106	705	-
<b>411</b>								
Size	mm	2250-2400	-	1200	1520	-	2400	2286
Capacity		1.2 - 1.6m <sup>3</sup>	-	2.5t	-	-	0.3m <sup>3</sup>	1.2m <sup>3</sup>
Weight	kg	505 - 638	-	164	266	-	806	416
<b>417</b>								
Size	mm	2250 - 2400	-	1200	1520	-	-	2286
Capacity		1.2-1.6m <sup>3</sup>	1.1m <sup>3</sup>	2.5t	-	-	0.3m <sup>3</sup>	1.2 m <sup>3</sup>
Weight	kg	643 - 720	680m <sup>3</sup>	164	266	-	806	416
<b>427</b>								
Size	mm	2550 - 2700	-	1220	1520	-	-	-
Capacity		1.8 - 2.7m <sup>3</sup>	-	5t	-	-	-	-
Weight	kg	800 - 1329	-	164	266 - 272	-	-	-
<b>437</b>								
Size	mm	2700 - 2740	-	1220-1520	1520 - 2020	-	-	-
Capacity		2.3 - 2.7m <sup>3</sup>	-	5t	-	-	-	-
Weight	kg	1124 - 1361	-	164 - 192	266 - 275 - 327	-	-	-
<b>457</b>								
Size	mm	2800 - 2837	-	1200	1540	-	-	-
Capacity		2.8 - 3.5m <sup>3</sup>	-	5t	-	-	-	-
Weight	kg	1417 - 1804	-	248	358	-	-	-

## LIVELINK, WORK SMARTER.

**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.



## A GREAT BUSINESS DECISION.

WE'LL PROVIDE YOU WITH FIRST CLASS SUPPORT AND ASSISTANCE TO SUIT YOUR EXACT BUSINESS NEEDS RIGHT FROM DAY ONE. SO WHEREVER YOU ARE, YOUR MACHINE WILL ALWAYS PERFORM TO ITS FULL POTENTIAL – ONE OF MANY REASONS WHY STARTING A WORKING RELATIONSHIP WITH JCB IS A GREAT BUSINESS DECISION.

### Machine selection.

Your JCB dealer has the right technical knowledge and expertise to ensure that you assess all the machine options available to you. This includes rental options and new or used machine sales.

### Rebuild and Refurbishment Programme.

If your business isn't in a position to buy a brand new machine, then JCB's Rebuild and Refurbishment programme can help you to extend the service life of your current vehicle cost-effectively.

### Technical support.

All local JCB dealers have instant access to factory expertise and technical support to provide you with the maximum machine uptime. JCB's Global Parts Centres, meanwhile, deliver around 95% of all parts anywhere in the world within 24 hours.

### Component monitoring.

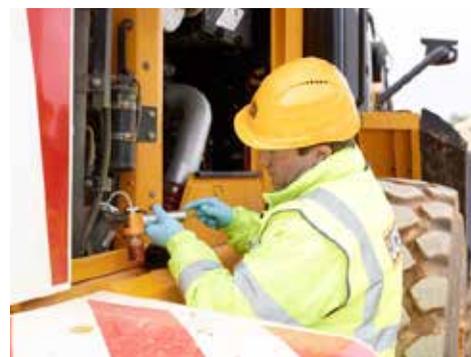
JCB machines benefit from a sophisticated component monitoring programme that provides preventative maintenance and oil sampling to keep everything working at its optimum level.

### Service support.

We offer a range of extended warranties, from JCB PremierCover (full comprehensive cover) to JCB PowertrainCover (engine, axles, transmission and hydraulic pump cover). Service agreements, as well as service-only or Repair and Maintenance contracts ensure that we have the up-time of your wheel loading shovel totally covered. Our dealer maintenance specialists around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient repair work.

### Finance and Insurance.

Finance and Insurance specialists are always on-hand to provide fast, flexible, competitive quotes. Naturally, packages can be tailored to suit your specific business needs.









**ONE COMPANY, OVER 300 MACHINES.**

Your nearest JCB dealer

**WHEEL LOADER RANGE**

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