



COMPACT EXCAVATOR | 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.





8008/8010 COMPACT EXCAVATOR.

1. Tubular and box booms protect hoses either by enclosing them or routing them over the top for better visibility.

2. Class-leading power reduces time and manpower of labour-intensive jobs.

3. Excellent leg room and no change over switch to confuse novice users, all functions operate independently of each other.

4. An extending undercarriage gives additional width for a broader footprint when needed.



The JCB 8008 CTS and the 8010 CTS have the ability to track through a standard 2' 6" (762mm) doorway, bringing difficult-to-access areas well within reach. You can take them inside or through buildings, and into restricted access rear gardens. And thanks to the optional folding safety frame, even height restrictions present no problem.



Compact size and minimal tailswing allows operation in confined areas.



Excellent stability and lift capacity.



Huge range of attachments increases machine versatility.

		8008 CTS	8010 CTS
Operating weight standard dipper	kg	950	1110
Gross engine power	kW	9	13.8
Standard dipper length	mm	880	800
Dig depth	mm	1690	1732
Ground level reach	mm	3110	3090
Dump height	mm	1980	1790
Fuel tank capacity	ltr	11.5	11.5
Bucket tearout	kN	9.3	10.8

8014/8016 COMPACT EXCAVATOR.

3. We've used a one-piece seat base on both models; this reduces machine vibration and provides high levels of operator comfort.

1. Zero risk of inadvertently damaging the boom cylinder during hammering or lorry/skip loading activities due to the new positioning of the top mounted boom cylinder.

5. Class-leading lift capacity, courtesy of a large lift ram, centrally-positioned kingpost and a low centre of gravity.

2. A robust fixed-width undercarriage with heat-treated track rollers means an 8014/8016 CTS will give you a long service life and a firm, positive, quiet ride during tracking.

4. The high-strength box section dozer blades which can withstand impacts from kerbs and manhole covers. Dozer blade hoses are protected by a steel plate.

By improving the cab tilt angle by 17%, we've increased service access on an 8014/8016 CTS still further (it was already best-in-class). This design eliminates the need to work through restrictive floor hatches during servicing.



A solid, stable work platform improves productivity, versatility and operator confidence.



Wide-opening rear bonnet is supported by a gas strut for easy access to routine checks.



Controlled, precise and balanced operation of excavator functions.



Easily towed to wherever you need it.

		8014 CTS	8016 CTS
Operating weight standard dipper	kg	1634	1657
Gross engine power	kW	14.7	14.7
Standard dipper length	mm	1161	1161
Dig depth - dozer down	mm	2648	2595
Ground level reach	mm	3974	3974
Dump height	mm	2531	2531
Fuel tank capacity	ltr	23.5	23.5
Bucket tearout	kN	13.5	16.2

8018/8020 COMPACT EXCAVATOR.

1. The short pitched tracks engage every tooth on the sprocket for less vibration and noise, and a far smoother ride.

2. We've redesigned the rear structure for improved damage protection on site – there's a new 3mm thick steel bonnet and an inset rear counterweight grill.

4. Excellent stability from the extending undercarriage. In addition to this, retracting the undercarriage improves access to confined areas.

3. An 8018/8020 CTS' hydraulic hoses (including the auxiliary) are routed through the boom and dipper for ultimate damage protection.

6. You can choose from JCB's huge range of specially-designed 8018/8020 CTS attachments.

5. Dozer extensions swing out easily on an 8018/8020 CTS, allowing operators to quickly and easily shift the dozer wings.





New dig-end geometry provides extra reach, load-over height, and dig depth.



The cab is incredibly spacious and its large door provides easy, safe access.



Solid, stable work platform improves productivity, versatility and operator confidence.



The high performance tracks perform in the most arduous applications.

		8018 CTS	8020CTS
Operating weight standard dipper	kg	1822	2067
Gross engine power	kW	14.7	14.7
Standard dipper length	mm	1161	1261
Dig depth - dozer down	mm	2736	2621
Ground level reach	mm	4073	4252
Dump height	mm	2628	2779
Fuel tank capacity	ltr	23.5	23.5
Bucket tearout	kN	16.2	19

8026 COMPACT EXCAVATOR.



1. Our Maxi-lift dozer ram allows extra lift height even when the dipper is at maximum reach. It also gives excellent load hold performance.

2. High-strength track legs boast three-piece fabrication to maximise rigidity and improve track retention. Chamfered edges reduce spoil retention and make the undercarriage easier to clean. The 8026 open-centre track frame design also prevents the build-up of spoil.

4. Box section dozer arms provide ultimate strength and robustness for all dozer duties.

3. Conventional tailswing that provides a solid, stable work platform for improved productivity, versatility and operator confidence.

5. A hose-burst check valve option sets off an alarm when the safe working load is to be exceeded.



New dig-end geometry for superior excavation performance.



New hydraulic block valve allows you to travel in a straight line at the same time as selecting excavator functions, increasing productivity.



Large spacious operator environment.



12% greater tractive effort than its closest rival.



Superior boom geometry and bucket rotation gives improved soil retention.



Pin end greasing makes lubricating the dig end quick and easy. While wide-opening service access panels are supported with gas struts for excellent access to routine checks.

		8026 CTS
Operating weight standard dipper	kg	2867
Gross engine power	kW	18.4
Standard dipper length	mm	1300
Dig depth - dozer down	mm	3050
Ground level reach	mm	4660
Dump height	mm	3220
Fuel tank capacity	ltr	56
Bucket tearout	kN	23

8025/8030/8035 COMPACT EXCAVATOR.

1. Inside, the first thing you'll notice is how big the cab is compared to other ZTS models. The seating position is fully adjustable for maximum comfort.

2. True zero tailswing and recognise the need for ever-more-compact machines - for added safety in confined spaces.



3. Excavator hoses are routed on top of the boom to give maximum protection against damage; the auxiliary pipework features quick release couplers to prevent oil leaks when connecting attachments.

6. Advanced micro technology in the valve block and a variable flow hydraulic pump provide the smooth, precise control required by the novice operator, without compromising on the power and speed demanded by professional users.

4. Stability is key on ZTS machines, so we've paid close attention to the undercarriages of these models, ensuring they give you the safest platform for hard working.

5. The undercarriage and dozer blade design is such that debris doesn't build up underneath or in front of the machine to slow you down, and keeps the material rolling in front of the machine.



Proportional auxiliary controls allow for precise attachment operation on the foot pedal.



Quick release couplers on auxiliary pipework fitted as standard prevent oil leaks and contamination when changing attachments.



Slew and boom offset can be controlled simultaneously for faster machine positioning.

		8025 ZTS/LC	8030 ZTS	8035 ZTS
Operating weight standard dipper	kg	2806 / 2833	3217	3651
Gross engine power	kW	20.9	20.9	23.6
Standard dipper length	mm	1100	1300	1525
Dig depth - dozer down	mm	2832 / 2509	3119	3512
Ground level reach	mm	4691 / 4425	4901	5315
Dump height	mm	3158 / 2707	3205	3482
Fuel tank capacity	ltr	40	40	40
Bucket tearout	kN	24	28	32

48Z/51R/55Z/57C COMPACT EXCAVATOR.

1. The load-sensing hydraulics on JCB's new range of mini's only consume power on demand, conserving fuel for when you need it most.

2. All dig end and dozer greasing intervals are best-in-class at 500 hours due to our graphite impregnated bronze bushes.

3. Flat glass windows and excellent visibility.

5. The innovative new monitor, rotary controller and the easy touch switches, have been thoughtfully designed for operational ease of use.

6. Optional LED lights accommodate the 'follow me home' function. When selected, the lights will remain on for 3 minutes even when the machine is switched off, illuminating the area and allowing the operator to get off the work site safely.

4. Remove two bolts to lift out the entire cab floor, giving you great service access to main components.





Overload screen displays a bar chart from green to red to indicate if the overload point is close.



Increased durability with 100% high strength pressed steel body work.



New digital instrumentation gives you up to date diagnostic information on the machine.



400mm rubber tracks make good contact with the ground for best traction and a smooth ride.

		48Z-I	51R-I	55Z-I	57C-I
Operating weight standard dipper	kg	4792	5112	5366	5483
Gross engine power Stage 3A (Tier 4 Final)	kW	35.7 (36)			
Standard dipper length	mm	1450	1570		1820
Dig depth - dozer down	mm	3532	3652	3843	4077
Ground level reach	mm	5714	5832	5995	6144
Dump height	mm	4001	4088	4274	4456
Fuel tank capacity	ltr	76			
Bucket tearout	kN	38		42	

65R/67C COMPACT EXCAVATOR.

1. With a finite element analysis-designed heavy duty structure as well as simplified H-frame construction, the undercarriage is both durable and confidence-inspiring.

2. Our fully robot welded boom and dipper is made of high tensile strength steel, with internal baffle plates for long life durability.

4. New 4-way dozer blade moves up and down and oscillates plus or minus 10 degrees for great flexibility under varying dozer conditions.

3. A premium closed centre pump and valve provides improved flow sharing for smooth, precise and balanced operation during multi-functioning.

5. With two dig modes (including ECO for maximum efficiency, heavy for maximum productivity) you can tailor performance to suit your application.

6. The cab is incredibly spacious and its large door provides easy, safe access. Inside, you'll find 6% more space than before, plenty of storage, a phone tray, stowage nets and cup holder.





Tractive effort and 4.7kph (65R) and 4.6kph (67C) tracking speeds are class-leading.



100% high strength pressed steel body work, no plastic.



The twin auxiliary lines provide both high and low hydraulic flow.



We offer both reduced and conventional tailswing configurations.

		65R-I	67C-I
Operating weight standard dipper	kg	6601	6760
Gross engine power	kW	35.7	41
Standard dipper length	mm	1900	2000
Dig depth - dozer down	mm	4011	4070
Ground level reach	mm	6617	6504
Dump height	mm	4216	4281
Fuel tank capacity	ltr	83	
Bucket tearout	kN	47.6	

85Z/86C COMPACT EXCAVATOR.

1. All dig end and dozer greasing intervals are best-in-class at 500 hours due to our graphite impregnated bronze bushes saving time and money.

2. Bucket rotation is a huge 188°, offering great spoil retention during truck loading. Choose a dipper length to suit your application – from 1.65-2.25m, providing total versatility.

3. The cab is incredibly spacious and its large door provides easy, safe access. Inside, you'll find 6% more space than our previous model.

4. Diesel by Kohler common rail Stage IIIB/Tier 4 final compliant engine doesn't need a diesel particulate filter (DPF), reducing servicing, increasing uptime and improving fuel efficiency.

6. We offer a dozer blade float option which enables easier ground levelling and efficient site clean-up.

5. Our 450mm/600mm steel tracks are pre-drilled to allow easy fitment of bolt on rubber pads. There is also the option of dedicated Road Liner Pads (GeoGrip), which enable individual segments to be replaced if damaged.





The heavy-duty boom cylinder guard provides excellent protection when loading.



The electro proportional high flow line has 10 selectable flow rates.



For safer lifting operations optional boom, dozer and dipper hose burst check valves are available.



For ultimate lift capacity and stability, opt for our 86c with its optional triple articulated boom (TAB) giving you a greater working range with extended reach, closer digging and higher dumping capability.

		85Z-I	86C-I	86C-I TAB
Operating weight standard dipper	kg	8300	8600	9448
Gross engine power	kW	48	48	48
Standard dipper length	mm	2000	2100	2100
Dig depth - dozer down	mm	3625	4372	4463
Ground level reach	mm	6748	7075	7691
Dump height	mm	4946	5395	6304
Fuel tank capacity	ltr	112	112	112
Bucket tearout	kN	57.1	57.1	57.1

90Z/100C COMPACT EXCAVATOR.

1. Bodywork is made using 100% high strength pressed steel so it's strong, durable and easy to repair, with no fragile plastic sections.



2. With a heavy-duty boom cylinder guard, and the option of arm and crowd ram guards, you can rest assured of maximum excavator arm protection, even during the toughest jobs.

3. You get class-leading tractive effort and tracking speed ensuring comprehensive dozer capabilities and swift travel times.

4. As an option the 90Z and 100C can be supplied as tilt rotate ready. Tiltrotate enhances your excavator's efficiency and overall productivity as it allows you to excavate, tilt, and rotate the bucket, or any other accessory, in one simultaneous operation.

5. Arm tearout forces are substantial (up to 49.9 kN on both the 90Z and 100C), unrivalled productivity and fast cycle times are all part of the package.



Closed centre pump and valve provides smooth and precise multifunctioning operation.



Auto kickdown motors will automatically adapt to terrain changes.



Excellent stability courtesy of the large track frame width and a low centre of gravity.

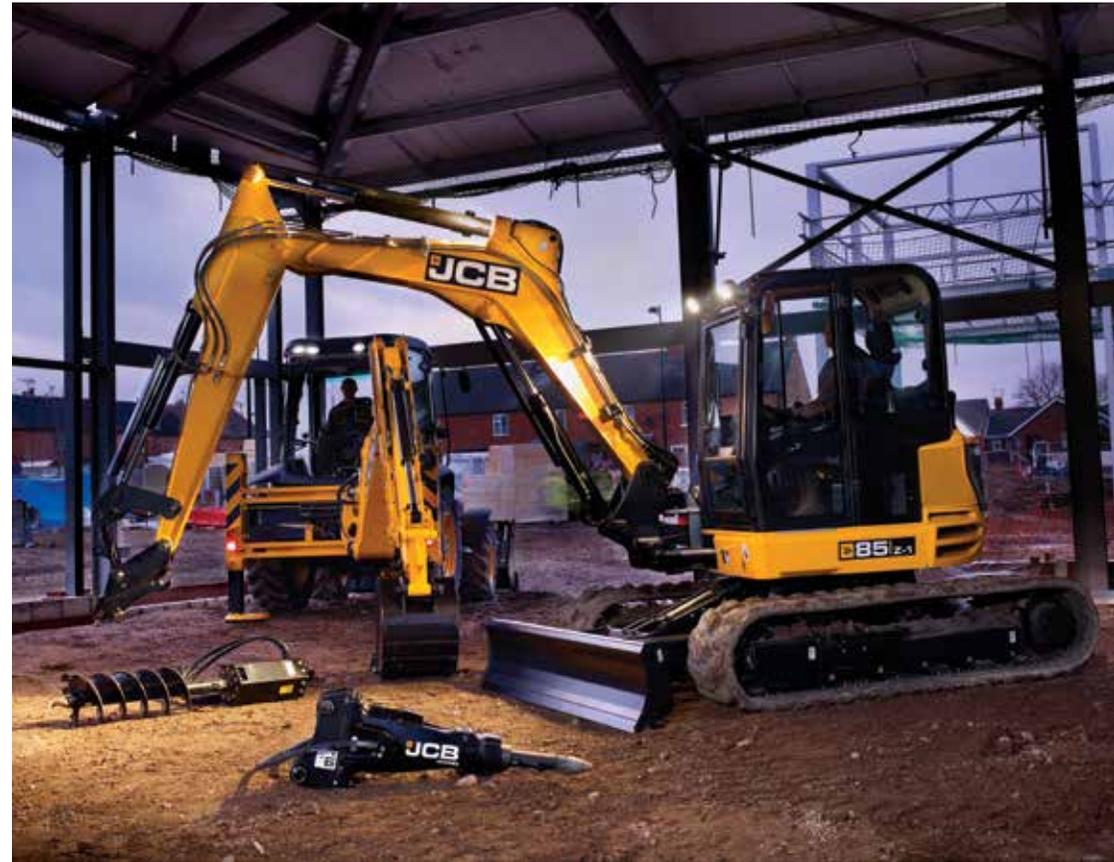


Our heavy-duty kingpost is made to last using durable re-bushable pivots.

		90Z-I	100C-I
Operating weight with standard dipper	kg	8923	9733
Gross engine power	kW	55	55
Standard dipper length	mm	2100	2100
Dig depth - dozer down	mm	4137	4555
Ground level reach	mm	7269	7315
Dump height	mm	5320	5490
Fuel tank capacity	ltr	112	112
Bucket tearout	kN	57.1	72.2

ATTACHMENTS.

FROM BUCKETS, SHOVELS, 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.



LIVELINK, WORK SMARTER.

JCB LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MONITOR AND MANAGE YOUR MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE.

Productivity and cost benefits –

Machine location information can improve fleet efficiency and you may even enjoy reduced insurance costs courtesy of the added security that LiveLink brings.

** Note: Please consult your local dealer for LiveLink availability*



Maintenance

benefits – Accurate hours monitoring, maintenance history records, critical machine alerts and service alerts improve maintenance planning.

Security benefits – Real-time geofencing lets you set operating zones and curfew alerts that tell you when your machinery outside of pre-determined times. Location information helps you store machines safely.

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

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.

JCB Premiercover 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.



2

2 The global network of JCB Parts Centres is another model of efficiency; with 16 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.



ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

COMPACT EXCAVATOR RANGE

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