



Excavators



**You need an excavator
for the toughest tasks**

**They'd be a lot tougher
without a JCB excavator**

JCB manufacturing excellence

The JCB excavator range is a product of our drive to constantly make our machines better, more productive, more efficient. The result is a 26 machine line up that give you more earning power for your investment, along with the unsurpassed customer service that JCB is renowned for the world over.

Each of our 16 tracked, 8 wheeled and 3 zero tailswing models comes with 67 years' JCB manufacturing excellence as standard, and over 47 years of specialist excavator expertise. During this time, demand for the JCB excavator has become so great that we have now invested in a state-of-the-art factory where, our customers tell us, we are producing the best excavators we have ever built.

State-of-the-art factory, unsurpassed excellence

The JCB 42,000 square metre excavator factory has a current capacity of 8,000 excavators a year and is where advanced technology, meticulous design and rigorous testing are a given.

To guarantee unsurpassed excellence, we put all major fabrications through Finite Element Analysis to verify the designs and ensure long-lasting components; all new models go through a comprehensive development and testing programme; and every single component, down to the smallest bolt, is of the highest quality.

It is in this factory, with our team of industry experts and machine specialists, that we have designed and developed the heavy machinery of the future.





**We make it easy to harness
power and performance,
for maximum productivity**

**Superb comfort and
fatigue-free working**

Productivity, manoeuvrability, control

For optimum productivity, we supply a range of territory compliant engines providing plenty of torque, uniquely tuned and adapted for each excavator. Variable-flow, load-sensing hydraulics automatically achieve the most efficient flow. High hydraulic flow and pressure give class-leading arm and bucket tearout.

JCB have now introduced on some models the new DIESELMAX + EcoMax engine specifically designed for construction machines: high torque at low revs means maximum productivity and minimum fuel consumption.

For effortless manoeuvrability, a tapered-section chassis on wheeled models reduces turning circle and increases torsional strength. On tracked models, refined track motors provide class-leading tractive effort. All tracked machines have three tracking speeds available for best tractive effort.

For precision control, JCB's 'Smart' Control System gives access to variable working modes with a manually selectable High Plus mode for 100% productivity. The Smart Control ensures maximum productivity at minimum operating cost by matching engine and hydraulic output to demand. Selectable cushion control to boom and dipper services, as standard, also takes the effort out of hard work for easier, less tiring operation. Optional proportional control is available for operators working with more precision and optional attachments.

Comfort and visibility

When we design our excavators, we put the operator in the driving seat, making sure that tapping into machine features is as easy, fast, safe and fatigue-free as possible.

One of the most spacious cabs on the market features a fully adjustable high-back seat and large storage area. Intuitive control layout is easy to get to grips with and avoids unnecessary twisting and reaching. Low-lever-effort joystick controls reduce fatigue even further, as do class-leading noise and vibration levels, superb airflow and climate control.

A large glass area gives clarity all around the machine; it's safer for on-site personnel, safer for the machine and the operator.



Tracked excavators

For quarrying, demolition and civil engineering, our heavy range offers efficient cycle times, optimum uptime, and robust undercarriage and running gear. We offer ME (Mass Excavation) models for high output, XD (extra duty) for added protection in tough environments, an industry-specific HRD (High Reach Demolition) model. Plus, long reach work equipment allows clearing of irrigation canals and ditches.

For house building, construction, plant hire, engineering, rail construction and groundworks, mid-range models are easy to use and compact, with excellent visibility and boosted power and lift capabilities. In addition, our Wastemaster range is specifically designed for the demands of the waste industry and features a hydraulic raised cab for loadover visibility.

Zero tailswing tracked excavators

Zero tailswing and best-in-class full-swing radius mean less chance of damage to buildings, equipment and machines; greater visibility over the rear; effective working in confined spaces; and the potential to work in a single lane of traffic for minimised disruption and cost. They're a solid investment for housing developments, forestry, rural road and highway construction, and groundworks.

Increased hydraulic flow gives fast production cycle times and improved attachment performance, coupled with the latest engines and management systems – for added precision and power when you need them. These models are versatile, reliable performers in construction, civil engineering... an endless list of applications.

Wheeled excavators

For general materials handling, our wheeled range offers high reach to load and unload trucks, along with maximum possible travel speeds. For house building and general contracting, ease of use, compact design and versatility are key. Also, and crucial in construction and civil engineering, these machines offer: increased hydraulic flow for improved attachment performance and production cycle times; effortless manoeuvring; all-round visibility; and a Smart Control System for precision and power when you need them.





Class-leading productivity and tractive effort

- Optimised engines with plenty of torque and high power
- Variable-flow, load-sensing hydraulics giving flow on demand
- Regenerative hydraulic system for faster cycles times and reduced fuel consumption
- High hydraulic flow and pressure for powerful arm and bucket tearout
- Large, highly engineered track and drive motors for better travel and working on steeper gradients
- Single-piece top and bottom plates on boom providing increased torsional strength
- Track links are greased and sealed for life, reducing operational noise and extending working life
- Tapered section chassis on wheeled models for increased torsional strength and reduced turning circle








Controlled, comfortable, stress-free working





- JCB's 'Smart' Control System gives access to variable working modes with a manually selectable High Plus mode for 100% productivity
- Ergonomic, intuitive controls easy for all operators to get to grips with
- Superb all-round visibility for increased safety and control
- Comfortable, fully adjustable high-back seat
- Low-lever-effort joystick controls
- Class-leading noise and vibration levels from viscous-rubber cab mounting and foam insulation
- Excellent airflow, ventilation and demisting, with optional climate control
- Cushion control for a more comfortable ride










Easy servicing, reduced downtime




- Easy-access filters and oil gauges give for ground-level servicing, increasing operator safety
- Grouping of daily checks for reduced operator downtime
- Large, side-by-side cooling pack and fold-out air conditioning unit for easier cleaning
- Low-maintenance, carbon-impregnated phosphor bronze bushes on boom foot and dipper pivot pins allow for 1000-hour greasing intervals
- Automatic daily checks when key on, of engine oil level, coolant level and fuel with report of fault only
- JCB '2 Go' hydraulic isolation system



		JS115	JS130	JS145	JS160	JS180	JS190	JS200
								
Operating weight	tonnes	11.8 – 12.2	12.7 – 13.2	13.9 – 15.0	16.9 – 18.4	18.8 – 19.9	19.4 – 20.5	19.8 – 21.2
Gross engine power	kW (hp)	73 (99)	73 (99)	73 (98)	97 (130)	97 (130)	128 (172)	128 (172)
Dipper options	m	1.95 / 2.25 / 2.83	2.1 / 2.5 / 3.0	2.1 / 2.5 / 3.0	2.25 / 2.7 / 3.05	2.25 / 2.7 / 3.05	2.25 / 2.7 / 3.05	1.91 / 2.4 / 3.0
Undercarriage options		LC / LC DOZER	LC / LC DOZER	LC / LC DOZER / HD	LC / NLC	LC / NLC	LC / NLC	NLC / SC / LC
Machine variants		MONO	MONO	MONO / TAB	MONO / TAB	MONO / TAB	MONO / TAB	MONO
Max. dipper tearout	kN	54.3	65.5	65.5	86.0	86.0	86.0	143.0
Max. bucket tearout	kN	92.0	92.0	92.0	116.0	116.0	116.0	155.0
Pump flow	ltr/min	2 x 112	2 x 124	2 x 124	2 x 164	2 x 164	2 x 140	2 x 214

		JS145W	JS160W	JS175W	JS200W
					
Operating weight	kg	14645	17320	17520	22809
Gross engine power	kW (hp)	92 (123)	92 (123)	128 (172)	128 (172)
Max. dig depth	mm	5675	6451	6451	6370
Max reach at ground level	mm	8585	9163	9163	9850
Max loadover height	mm	7400	7174	7174	6980
Travel speed (high)	km/h	30	30	30	30
Machine variants		MONO / TAB	MONO / TAB	MONO / TAB	MONO / TAB
Max. dipper tearout	kN	93	108	108	174
Max. bucket tearout	kN	82	105	105	125

JS210	JS220	JS235HD	JS240	JS260	JS290	JS330	JS360	JS460
								
21.0 – 21.7	21.1 – 23.5	24	24.2 – 24.6	25.4 – 27.2	30.4 – 31.2	32.0 – 34.7	36.5 – 38.0	44.7 – 46.4
128 (172)	128 (172)	128 (172)	147 (198)	147 (198)	161 (216)	212 (281)	212 (281)	228 (306)
1.91 / 2.4 / 3.0	1.91 / 2.4 / 3.0	1.91 / 2.4 / 3.0	2.0 / 2.44 / 3.09 / 3.53	2.0 / 2.44 / 3.09 / 3.54	2.5 / 3.1 / 3.7	2.21 / 2.63 / 3.23 / 4.03	2.21 / 2.63 / 3.23 / 4.03	2.5 / 3.36 / 4.0
LC	NLC / SC / LC	LC	NLC / SC / LC	NLC / SC / LC	NLC / LC	LC / NLC	LC / NLC	LC
MONO	MONO/TAB/XD/LONG REACH	MONO / TAB	MONO	MONO/TAB/XD/LR	MONO/XD	MONO/TAB/XD/ME/LR/HRD	MONO/TAB/XD/ME/LR/HRD	MONO
143.0	143.0	143.0	179.0	179.0	164.0	199.0	254.0	250.9
155.0	155.0	155.0	192.0	192.0	226.0	191.0	268.0	295.3
2 x 214	2 x 214	2 x 214	2 x 226	2 x 226	2 x 250	2 x 290	2 x 310	2 x 346

		JZ140	JZ235	JZ255
				
Operating weight	tonnes	14 – 15.9	23.2 – 23.7	24.4 – 24.8
Gross engine power	kW (hp)	73 (98)	128 (172)	128 (172)
Dipper options	m	2.1 / 2.5 / 3	1.91 / 2.4 / 3	1.91 / 2.4 / 3
Undercarriage options		LC / LC DOZER	LC / LC DOZER	LC / NLC / NLC DOZER
Machine variants		MONO / TAB / HD	MONO / TAB	MONO / TAB
Max. dipper tearout	kN	7515	13450	13450
Max. Bucket tearout	kN	9375	14550	14550
Pump flow	ltr/min	2 x 124	2 x 208	2 x 208

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, advanced ECU matching (pairs Livelink with the immobiliser or ECU), and PIN code management (to remotely authorise usage – perfect for plant hire).



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.

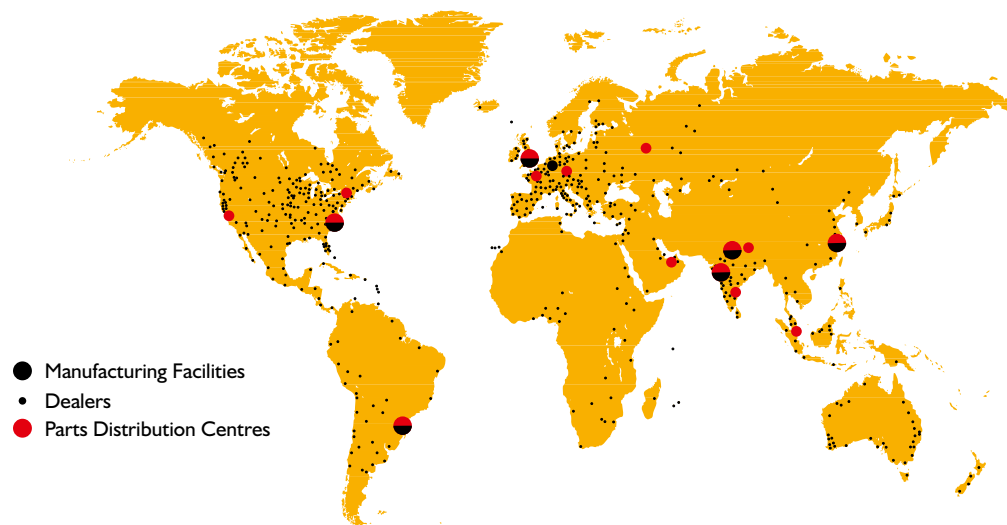


1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

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.





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Your nearest JCB dealer

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