

EXCAVATORS



A Product of Hard Work



**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 24 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 15 tracked, 6 wheeled and 3 zero tailswing models comes with 65 years' JCB manufacturing excellence as standard, and over 45 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 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. 3-speed tracking is controlled from the joystick so you can change speed at will.

For precision control, JCB's Advanced Management System (AMS) gives access to four working modes at the touch of a button. The AMS 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.

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 an Advanced Management System (AMS) for precision and power when you need them.

The Wastemaster wheeled range provides the optimum uptime the industry demands, along with a robust chassis and axle configuration. Options include scrap handling or material handling booms, and a hydraulic raised cab to increase loadover visibility.





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






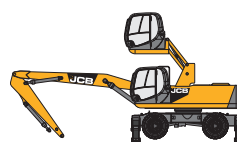
- Advanced Management System (AMS) with 4 working modes
- Ergonomic, intuitive controls easy for all operators to get to grips with
- Superb all-round visibility for increased safety and control
- Comfortable, fully adjustable high-back seat
- Low-lever-effort joystick controls
- Class-leading noise 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
- Digital engine oil read out on AMS in cab
- One-piece bonnet on gas struts for quicker, easier checks
- 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






		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	JS200W WASTEMASTER SH	JS200W WASTEMASTER MH
							
Operating weight	kg (lb)	14645 (32290)	17320 (38184)	17520 (38625)	22809 (50285)	25712 (54582)	25825 (56934)
Gross engine power	kW (hp)	92 (123)	92 (123)	128 (172)	128 (172)	128 (172)	128 (172)
Max. dig depth	mm (ft-in)	5675 (18-7)	6451 (21-2)	6451 (21-2)	6370 (20-10)	n/a	n/a
Max reach at ground level	mm (ft-in)	8585 (28-2)	9163 (30-1)	9163 (30-1)	9850 (32-3)	11000 (36-1)	10250 (33-7)
Max loadover height	mm (ft-in)	7400 (24-3)	7174 (23-6)	7174 (23-6)	6980 (23-0)	12250 (40-2)	12000 (39-4)
Travel speed (high)	km/h (mph)	30 (19)	30 (19)	30 (19)	30 (19)	30 (19)*	30 (19)*
Machine variants		MONO / TAB	MONO / TAB	MONO / TAB	MONO / TAB	SCRAP HANDLER	MATERIALS HANDLER
Max. dipper tearout	kN	93	108	108	174	n/a	n/a
Max. bucket tearout	kN	82	105	105	125	n/a	n/a

* Territory dependent

JS210	JS220	JS235HD	JS240	JS260	JS290	JS330	JS360
							
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
128 (172)	128 (172)	128 (172)	147 (198)	147 (198)	161 (216)	212 (281)	212 (281)
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
LC	NLC / SC / LC	LC	NLC / SC / LC	NLC / SC / LC	NLC / LC	LC / NLC	LC / NLC
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
143.0	143.0	143.0	179.0	179.0	164.0	199.0	254.0
155.0	155.0	155.0	192.0	192.0	226.0	191.0	268.0
2 x 214	2 x 214	2 x 214	2 x 226	2 x 226	2 x 250	2 x 290	2 x 310

		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, KNOWLEDGE IS POWER

JCB LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MONITOR AND MANAGE YOUR MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. LIVELINK GIVES YOU ACCESS TO A WHOLE HOST OF USEFUL DATA, INCLUDING MACHINE ALERTS, FUEL REPORTS* AND EVENT HISTORY INFORMATION. ALL YOUR MACHINE INFORMATION IS HANDLED AT A SECURE DATA CENTRE FOR YOUR PEACE OF MIND.

Maintenance benefits

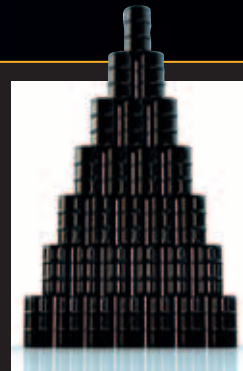
JCB LiveLink makes it easy to manage machine maintenance. Accurate hours monitoring and service alerts improve maintenance planning, and real-time location data helps you manage your fleet. You'll also have access to critical machine alerts and maintenance history records.



Productivity and cost benefits

For ultimate productivity and cost-saving, JCB LiveLink provides information like idle time monitoring* and machine fuel consumption* to help reduce your fuel usage. Machine location information can improve fleet efficiency and you may even enjoy reduced insurance costs courtesy of the added security that LiveLink brings.

* These features require an electronic engine.



Security benefits

Keep your machine operating safely with JCB LiveLink. Real-time geofencing alerts tell you when machines move out of predetermined operating zones, and real-time curfew alerts inform you if machines are being used when they're not supposed to be. Real time location information helps you store your machines in the safest places.



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.

2 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.

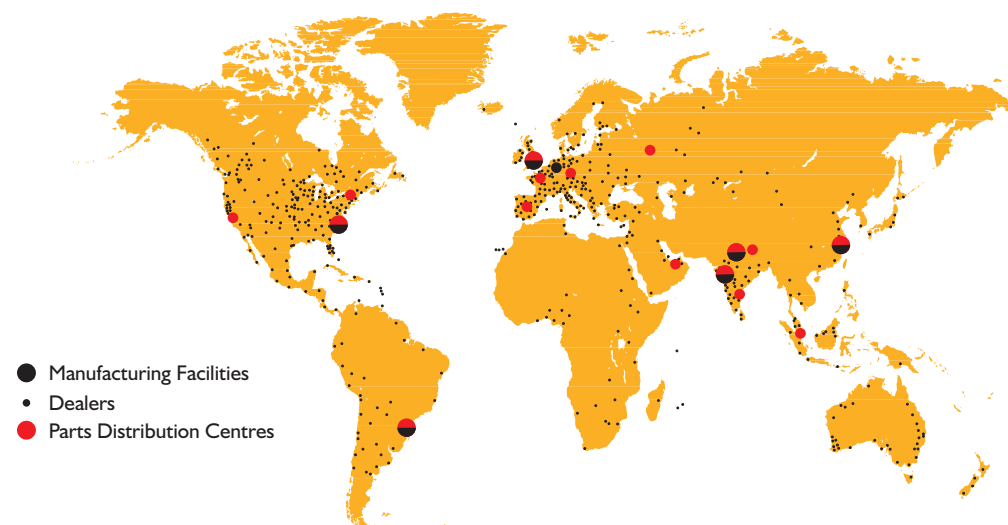


3

3 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.



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