

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 center of everything we do, in over 150 countries worldwide. Our World Parts Center, 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 COMPACT EXCAVATOR.

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

2. Class-leading power reduces time and manpower of labor-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 has the ability to track through a standard 2' 6" 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.



Excellent stability and lift capacity.



Transport by trailer allows fast transfer from site to site.

	8008 CTS	
Operating weight standard arm	lbs	2094
Gross engine power	hp	12.1
Standard arm length	ft-in	2' 11"
Dig depth	ft-in	5' 7"
Ground level reach	ft-in	10' 2"
Dump height	ft-in	6' 6"
Fuel tank capacity	gal	3.04
Bucket breakout force	lbf	2094

8018 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 1/8" thick steel hood and an inset rear counterweight grill.

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

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

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

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

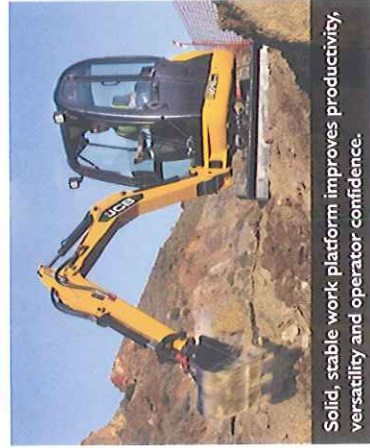




The cab is incredibly spacious and its large door provides easy, safe access.



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



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



The high performance tracks perform in the most arduous applications.

8018 CTS	
Operating weight standard arm	lbs 4017
Gross engine power	HP 19.7
Standard arm length	ft-in 3' 10"
Dig depth - dozer down	ft-in 9' 0"
Ground level reach	ft-in 13' 4"
Dump height	ft-in 8' 7"
Fuel tank capacity	gal 6.2
Bucket breakout force	lbf 3642

8029 COMPACT EXCAVATOR.

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

2. High-strength track legs boast three-piece fabrication to maximize rigidity and improve track retention. Chamfered edges reduce spoil retention and make the undercarriage easier to clean. The 8029 open-center track frame design also prevents the build-up of spoil.

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

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



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.

8029 CTS	
Operating weight standard arm	lbs 6321
Gross engine power	hp 32.7
Standard arm length	ft-in 4' 3"
Dig depth - dozer down	ft-in 10' 0"
Ground level reach	ft-in 15' 3"
Dump height	ft-in 10' 7"
Fuel tank capacity	gal 14.8
Bucket breakout force	lbf 5170

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 recognize 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.



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



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

8035 ZTS	
Operating weight - standard arm	lbs 8049
Gross engine power	HP 32.7
Standard arm length	ft-in 5' 0"
Dig depth - dozer down	ft-in 11' 6"
Ground level reach	ft-in 17' 5"
Dump height	ft-in 11' 5"
Fuel tank capacity	gal 10.6
Bucket breakout force	lbf 7194

8040/8045 COMPACT EXCAVATOR.

3. Double-acting auxiliary pipework to the arm for powering attachments.

5. Fully adjustable seating position and control pod, with an efficient heating system or optional air conditioning allow you to obtain the most comfortable temperature.

1. Load-sensed, flow-on-demand hydraulic system that automatically controls flow and pressure, providing the hydraulic oil to a service only when you need to use it.

2. Removable floor plates to access hose connection point under cab floor makes replacing hoses simpler.

4. 16" rubber tracks make good contact with the ground for best traction and a smooth ride.

The JCB 8040 ZTS and 8045 ZTS feature a 44.4HP engine, making these machines very powerful for this class of excavator.



Superb digging and tracking performance via the load-sensed hydraulic system.



ZTS offers more maneuverability (especially in confined spaces).



Optimum track footprint for good all-round stability and least-effort spin turning.

	8040 ZTS	8045 ZTS
Operating weight standard arm	lbs 9480	10472
Gross engine power	hp 48.7	48.7
Standard arm length	ft-in 5' 0"	5' 8"
Dig depth - dozer down	ft-in 11' 7"	12' 3"
Ground level reach	ft-in 18' 5"	19' 2"
Dump height	ft-in 12' 7"	13' 1"
Fuel tank capacity	gal 13	13
Bucket breakout force	lbf 8340	9487

8055 COMPACT EXCAVATOR.

1. Hoses routed on top of the boom for damage protection and optimum visibility.

3. Extremely spacious and stylish cab with fully adjustable, deluxe suspension seat which gives the most comfortable working position. Cab isolation also results in minimum vibration.

2. Load-sensed hydraulic system gives impressive breakout forces, and high levels of tractive effort and tracking speeds.

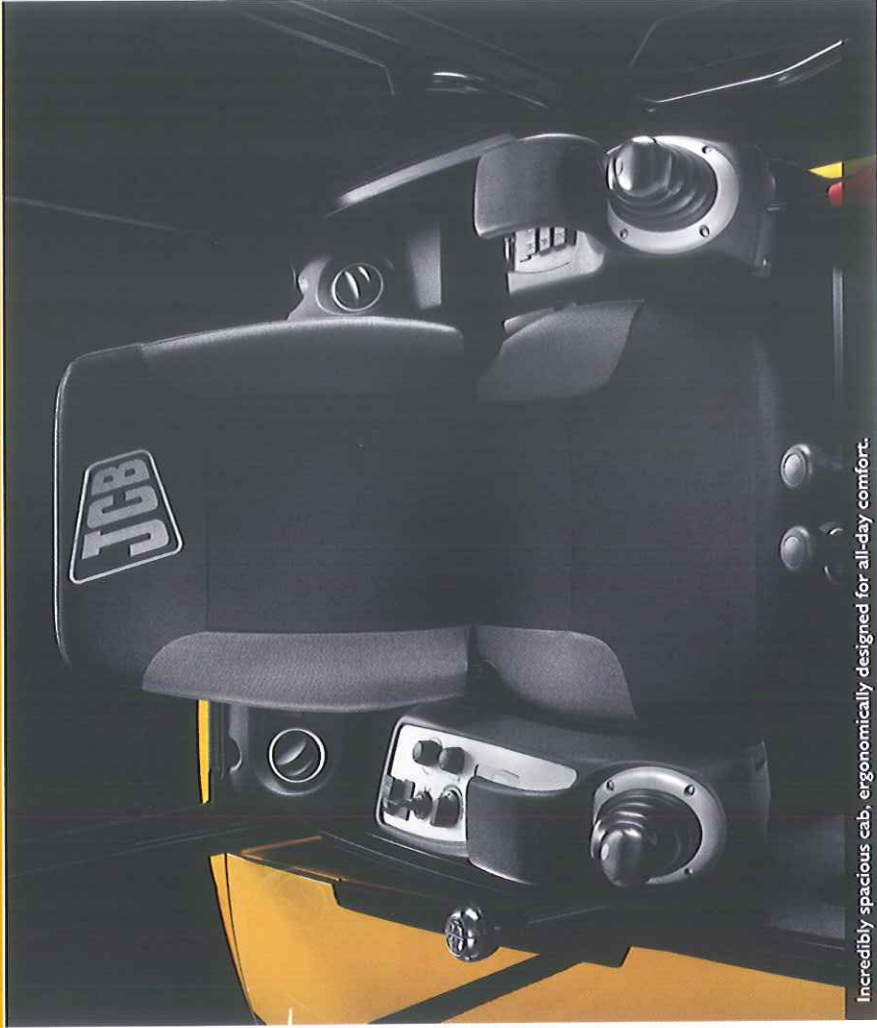




Impressive tearout forces and high levels of tractive effort and tracking speeds.



Double-acting auxiliary pipework to the arm for powering attachments.



Incredibly spacious cab, ergonomically designed for all-day comfort.

8055 RTS	
Operating weight standard arm	lbs 11660
Gross engine power	hp 48.7
Standard arm length	ft-in 6' 3"
Dig depth - dozer down	ft-in 12' 3"
Ground level reach	ft-in 19' 6"
Dump height	ft-in 13' 6"
Fuel tank capacity	gal 13
Bucket breakout force	lbf 9487

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.

3. A premium closed center 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 69% more space than before, plenty of storage, a phone tray, storage nets and cup holder.



2. Our fully robot welded boom and arm 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.



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



Tractive effort and 3.1mph tracking speeds are class-leading.



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



4-way dozer combined with dozer float function for easy levelling and backfilling work.

	67C-1
Operating weight standard arm	lbs 14740
Gross engine power	hp 55
Standard arm length	ft-in 6' 3"
Dig depth - dozer down	ft-in 12' 11"
Ground level reach	ft-in 21' 0"
Dump height	ft-in 14' 0"
Fuel tank capacity	gal 22
Bucket breakout force	lbf 10611

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.

3. The cab is incredibly spacious and its large door provides easy, safe access. Inside, you'll find 67% 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.

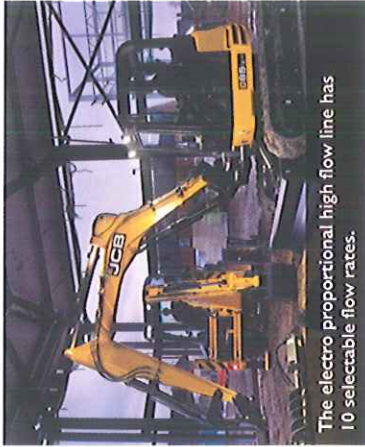
6. We offer an angle dozer blade float option which enables easier ground levelling and efficient site clean-up.

2. Bucket rotation is a huge 200°, offering great spoil retention during truck loading. Choose an arm length to suit your application – from 5' 5" - 7' 5", providing total versatility.

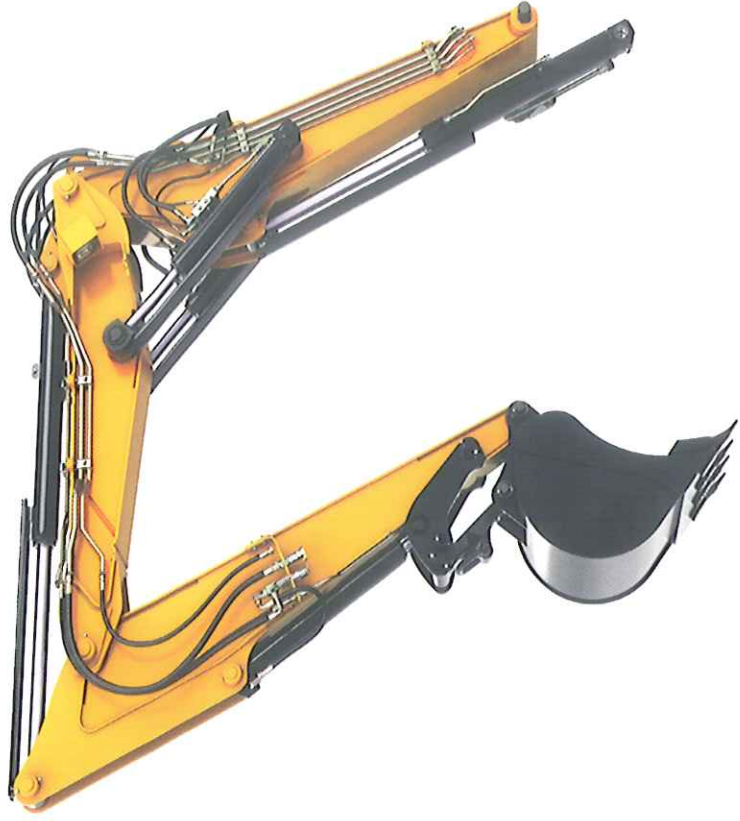




The heavy-duty boom cylinder guard provides excellent protection when loading.



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



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 arm	lbs 18298	18960	-
Gross engine power	hp 64.4	64.4	64.4
Standard arm length	ft-in 6' 7"	6' 11"	6' 11"
Dig depth - dozer down	ft-in 11' 11"	14' 4"	15' 2"
Ground level reach	ft-in 22' 2"	23' 3"	25' 3"
Dump height	ft-in 16' 3"	17' 8"	20' 8"
Fuel tank capacity	gal 30	30	30
Bucket breakout force	lbf 12837	12837	12837



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

90Z/100C COMPACT EXCAVATOR.

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.

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



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 11,218 lbf on both the 90Z and 100C), unrivalled productivity and fast cycle times are all part of the package.



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



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.

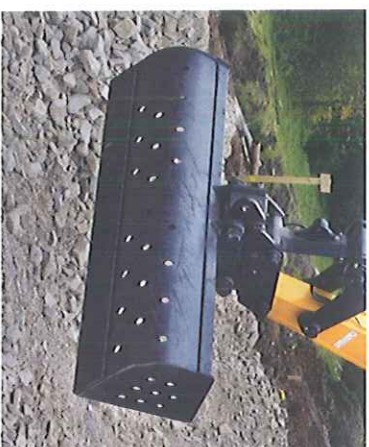


Auto kickdown motors will automatically adapt to terrain changes.

	90Z-I	100C-I
Operating weight standard arm	lbs 18975	21457
Gross engine power	hp 70.2	70.2
Standard arm length	ft-in 6'9"	6'9"
Dig depth - dozer down	ft-in 13'6"	14'9"
Ground level reach	ft-in 23'8"	24'0"
Dump height	ft-in 17'5"	18'0"
Fuel tank capacity	gal 24.6	24.6
Bucket breakout force	lbf 12837	16231

ATTACHMENTS.

FROM BUCKETS, SHOVELS, HYDRAULIC POWERPACKS AND TOOLS, TO SPECIALIZED 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



LIVELINK

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 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 labor rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.



2 The global network of JCB Parts Centers 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

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COMPACT EXCAVATOR RANGE

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Download the very latest information on this product range at www.jcb.com

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NEW



COMPACT EXCAVATOR | 85Z-1/86C-1

Operating weight: 19125/18464lbs Net engine power: 61 HP



QUALITY, **RELIABILITY** AND DURABILITY.

AT JCB, WE'VE BEEN BUILDING TRACKED EXCAVATORS FOR 50 YEARS. OUR LATEST 85Z AND 86C COMPACT EXCAVATORS ARE PRODUCTS OF ALL THIS EXPERIENCE AND INSIGHT, DESIGNED TO BE ROBUST, STRONG AND DURABLE WITHOUT COMPROMISING PERFORMANCE.

With a finite element analysis-designed heavy duty structure as well as simplified H-frame construction, the undercarriage of an 85z or 86c is both durable and confidence-inspiring.



Structural strength.

- 1 Our fully robot welded boom and arm is made of high tensile strength steel, with internal baffle plates for longlife durability.
- 2 Our clean and elegant four-plate arm design provides added structural strength.
- 3 The bodywork on our compact excavators is made exclusively from pressed steel with no plastic, so it's strong and easy to repair.



The heavy duty boom cylinder guard provides excellent protection with optional arm and crowd cylinder guards available for more arduous applications.



Designed for hard work.

4 These latest 8-ton class machines boast a heavy-duty swing bracket which features durable re-bushable pivots to optimize service life. It also provides a safe route for all excavator hoses.

5 Because the cab door sits within the counterweight length when folded back, it's well protected from damage throughout operation.

The finest componentry.

6 We've used only tried and tested premium manufacturers like JCB Diesel by Kohler engines, Nachi and Bosch-Rexroth hydraulic components and Bridgestone tracks.

High quality 18in rubber tracks with interlocking links will perform in even the most arduous applications.

7 Our 18in/24in 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 segmentsto be replaced if damaged.

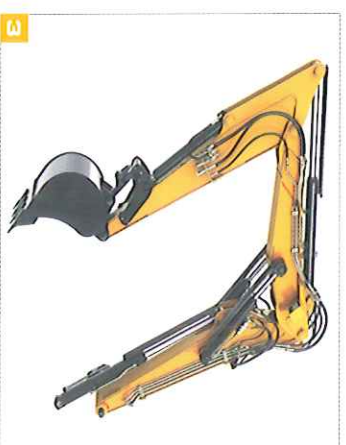


PRODUCTIVITY AND PERFORMANCE.

JCB'S 85Z AND 86C ARE HIGH-PERFORMANCE PRODUCTIVE COMPACT EXCAVATORS. PEAK POWER AND TORQUE AT LOW ENGINE SPEEDS MAKES FOR EFFICIENT CYCLES, AND THERE'S A WEALTH OF INNOVATIVE DESIGN FEATURES TO GET THE MOST FROM EVERY DROP OF FUEL.

The productive midi.

- 1** The new 8T range has a JCB Diesel by Kohler common rail Stage IIIb/Tier 4 final compliant engine. This boasts DOC, turbocharger and intercooler. Power is increased to 64 HP at just 2200rpm, and there's 300Nm of torque. This engine doesn't need a diesel particulate filter (DPF), reducing servicing, increasing uptime and improving fuel efficiency.
- 2** Tractive effort and 3mph tracking speeds are class leading, ensuring high dozer capabilities and fast travel times. To increase productivity our auto kickdown motors automatically adapt to changes in terrain increasing productivity and reducing operator fatigue.
- 3** 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.



ZTS or CTS?
We offer both zero and conventional tailswing configurations, but choosing the right one for you depends on your application as both setups can boost productivity in different ways. CTS gives greater stability, lifting capacity and a larger dig end; ZTS offers more maneuverability (especially in confined spaces) because operators don't have to worry about what's around them.

Innovative hydraulics.

- 4** A premium closed center pump and valve provides improved flow sharing for smooth, precise and balanced operation during multifunctioning.
- 5** Versatility is part of the package: our twin auxiliary lines generate both high and low hydraulic flows for an array of attachments.

Dozer design.

- 6** The new dozer profile and angle provides high performance with easy-clean low soil retention. Tapered lift points are positioned behind the edge of the blade, providing excellent protection.
- 7** We offer a dozer blade float option which enables easier ground leveling and efficient site clean up. Along with an angled dozer blade to speed up trench back filling.

At the dig end.

- 8** Bucket rotation is a huge 200°, offering great spoil retention during truck loading. Choose an arm length to suit your application – from 65"-89", providing total versatility.
- 9** Our boom and arm are perfectly matched, creating optimal dig end geometry. This makes it easier to work and load in confined areas.



COMFORT AND EASE OF USE.

WE'VE ALWAYS BELIEVED THAT A FUNDAMENTAL PART OF HIGH PRODUCTIVITY IS A COMFY, ERGONOMIC WORKING ENVIRONMENT. CONSEQUENTLY, YOU'LL FIND THAT CABS AND CONTROLS ON AN 85Z OR 86C ARE GREAT PLACES TO WORK, EVEN FOR LONG STINTS.

All-day comfortable cab.

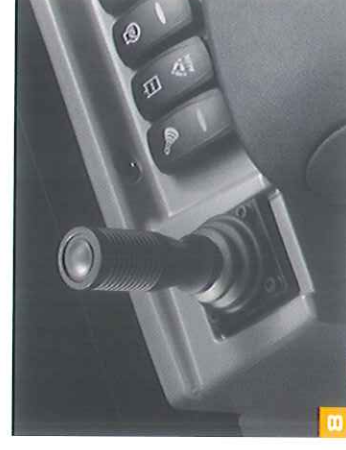
- 1 The cab is incredibly spacious and its large door provides easy, safe access. Inside, you'll find 6% more space than before, plenty of storage, a phone tray, stowage nets and cup holder.
- 2 A radio, 12V phone charger, powerful heater with window de-mister and a high performing air conditioning system with 9 vents completes the picture.
- 3 To ensure all-day operator comfort, there's fully adjustable suspension seating with an optional heated air suspension seat with independent adjustable positions. Switches are ergonomically laid out around a crystal clear informative color LCD display with optional reversing camera.
- 4 Our short pitched tracks engage every tooth on the sprocket for less vibration and noise, as well as a far smoother ride.





Complete command of hydraulics.

- 5** The electro proportional high flow line has 10 selectable flow rates for total attachment compatibility and seamless operation.
- 6** A switch in the cab provides easy operation of single or double-acting auxiliary flow.
- 7** The hydraulic valve block is isolated from the chassis by rubber mounts for reduced noise and vibration. It's also easily accessed beneath the side-opening hood.
- 8** With ergonomic electro-hydraulic dozer control as standard, operators can achieve smooth and precise grading control.



SAFETY AND SERVICEABILITY.

A SAFE SITE IS OF PARAMOUNT IMPORTANCE TO ANY OWNER; LIKEWISE MACHINERY THAT'S EASY AND FAST TO SERVICE. BOTH THE 85Z AND 86C WILL PROTECT MACHINERY, OPERATORS AND BYSTANDERS ALIKE, AS WELL AS PROVIDING DOWNTIME-MINIMIZING SERVICEABILITY.

Safer by design.

- 1** The 86c and 85z cab is ROPS and TOPS compliant with optional Level 1 & 2 FOPS protection. Further optional front screen guards provide peace of mind for operators, while boom and optional cab worklight guards protect vulnerable components in hazardous applications.
- 2** Stability on both machines is best-in-class thanks to a large track frame width and low center of gravity.
- 3** JCB's safety lever lock fully isolates hydraulic functions to prevent unintended movement.
- 4** Our unique ZGO system ensures your compact excavator hydraulics can only be operated in a safe lockable position via two separate inputs. Additionally the hydraulics can only be activated when the operator is seated and the seatbelt is worn.
- 5** The JCB 86c and 85z have excellent front visibility courtesy of a 70/30 front screen split. What's more, there's a clear view of the front right track for easy, safe trench digging and maneuvering. Overall we have 11% more visibility than before.



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

With a true zero tailswing design, the 85z reduces impact risks in tight workspaces.



JCB compact excavators have the best SAE service rating on the market, partly because routine checks can be done easily without special tools, and also thanks to the gas-strutted 30° tilting cab.

Routine servicing.

6 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.

7 JCB's open frame undercarriage design with sloping track legs minimizes material build-up for easier cleaning.

8 Underneath the wide opening steel hood you can easily fill the fuel tank on a JCB compact from ground level, made easier with the external diesel indicator. The optional refueling pump features an auto stop function for reduced spillage and increased safety.

Further maintenance.

9 Key components are easy to get to: there's a large inspection cover for the rotary joint and slew bearing; removable side skirts and in-fill panel. The sealed idler tension unit stops soil build-up; and dozer hoses terminate at the bulkhead for simple replacement.

10 These machines feature color-coded hydraulic hoses for easy identification.

11 Lifting a JCB 86c or 85z is made easier because the tapered dozer lift points are behind the edge of the blade; this also keeps them protected.

12 The two piece floor mat is removable for easy cleaning while the anti slip cast tread plate provides safe entry and egress as well as long term protection to the paint bodywork.



LOW COST OF OWNERSHIP.

OUR TRACKED EXCAVATORS ARE DESIGNED TO GIVE YOU MORE THAN JUST GREAT PERFORMANCE AND LONG SERVICE LIFE. MACHINES LIKE THE 85Z AND 86C WILL ALSO PROVIDE ULTIMATE VALUE FOR MONEY, BOTH ON AND OFF YOUR WORKING SITES.

The load-sensing hydraulics on JCB's 8-ton excavators only consume power on demand, conserving fuel for when you need it most.

The patented near zero pressure return line circuit further improves fuel efficiency as the pump does not need to overcome as high a pressure before any work can be done.

A great investment.

1 Engine revs automatically drop below idle when the operator's armrest is lifted; this unique feature improves fuel economy and reduces noise levels.

2 Auto idle can be programmed to activate between 2 and 30 seconds after the controls have been inactive to increase fuel efficiency.

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

3 With identical bucket pin geometry to the world leading JCB 3CX backhoe loader, attachments are fully interchangeable.

4 Because damage sometimes happens on site, we use flat glass windows throughout, minimising replacement costs.



LIVELINK, WORK SMARTER.

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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 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.

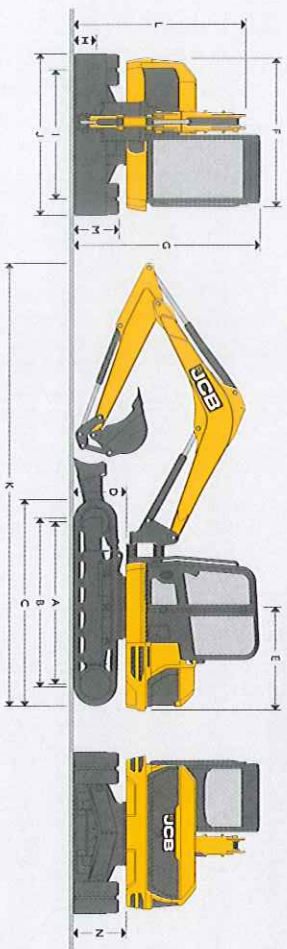
JCB Premiercover offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our Maintenance teams around the world charge competitive labor rates, and offer non-obligation quotations as well as fast,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

2 The global network of JCB Parts Centers 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.

SPECIFICATION

85Z/86C COMPACT EXCAVATOR

STATIC DIMENSIONS



Machine Model	85Z-1	86C-1	86C-1 TAB
A Sprocket idler centers	ft/in	7' 8"	
B Track length on ground	ft/in	7' 8"	
C Undercarriage overall length - rubber	ft/in	9' 8"	
D Undercarriage overall length - steel	ft/in	9' 6"	
E Swing bracket clearance	ft/in	2' 7"	
F Tailswing radius	ft/in	3' 9"	5' 3"
G Overall width of superstructure	ft/in	7' 1"	7' 2"
H Height over cab	ft/in	8' 11"	
I Ground clearance	ft/in	1' 2"	
J Track gauge	ft/in	6' 1"	
K Width over track (450 shoes)	ft/in	7' 7"	
L Transport length with standard arm	ft/in	2' 1"	2' 10"
M Transport height with standard arm	ft/in	8' 11"	
N Track height	ft/in	2' 2"	
O Counterweight clearance	ft/in	2' 6"	

ENGINE

Machine Model	85Z-1	86C-1	86C-1 TAB
Model	Stage IIIB Tier 4 Final KDI 2504 TCR	Diesel	
Fuel		Water cooled	
Cooling			
Gross power ISO 14396	HP @ 2200 rpm	64.4	
Net power	HP @ 2200 rpm	60.8	
Gross torque ISO 14396	Nm @ 1500 rpm	305	
Displacement	cc/liters	2500	
Gradeability	degrees	30	
Starter motor	HP (kW)	2.7 (2)	
Battery	volt/ah	12V 750	
Alternator	voltamps	12V 100	

UNDERCARRIAGE

Machine Model	85Z-1	86C-1	86C-1 TAB
No of top rollers		1	
No of bottom rollers		5	
Track width	in	18	
Track width optional	in	24	
Ground clearance	in	14	
Track tensioning		Grease	
Travel speed - low	mph	1.6	
Travel speed - high	mph	3.1	
Tractive effort	lbf	13,713	14,613

HYDRAULIC SYSTEM

Machine Model	85Z-1	86C-1	86C-1 TAB
Nominal output @2,200	gpm	41.8	
Excavator/track main relief pressure	psi	4351	
Slew main relief pressure	gpm	60	
Auxiliary low flow	gpm	6.6	
Auxiliary high flow	gpm	26.4	
Auxiliary low flow	psi	2756	
Auxiliary high flow	psi	2756	

WEIGHTS

Machine Model	85Z-1	86C-1	86C-1 TAB
Operating weight (18in (450mm) rubber tracks)	lbs	18,298	18,960
Transport weight (18in (450mm) rubber tracks)	lbs	18,133	18,794
With FOGS guard - Stage 1	lbs	31	
With FOGS guard - Stage 2	lbs	132	
With steel tracks (18in (450mm))	lbs	359	
With steel tracks (24in (600mm))	lbs	809	
With Bridgestone geogrips	lbs	399	
With wide dozer (2470mm)	lbs	40	
With narrow dozer (2200mm)	lbs	-11	
Ground pressure (18in (450mm) rubber tracks)	lbs/in2	5.7	5.8
Ground pressure (18in (450mm) steel tracks)	lbs/in2	5.7	6
Ground pressure (24in (600mm) steel tracks)	lbs/in2	4.4	4.6

OPERATOR STATION

Machine Model	85Z-1	86C-1	86C-1 TAB
Cab/canopy height	in	61	
Cab/canopy height with FOGS guard LEVEL 1	in	65	
Cab/canopy height with FOGS guard LEVEL 2	in	68	
Cab/canopy length	in	76	
Cab/canopy width	in	41	
Distance from seat base to roof	in	44	
Door aperture width	in	24	

SERVICE CAPACITIES

Machine Model	85Z-1	86C-1	86C-1 TAB
Fuel tank	gal	30	
Engine coolant	gal	3.2	
Engine oil	gal	3	
Hydraulic system	gal	31	
Hydraulic tank	gal	17	

EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine Model	85Z-1	86C-1	86C-1 TAB
Cab/canopy external	dB	%	
Cab internal	dB	74*	

*Internal noise during default eco mode

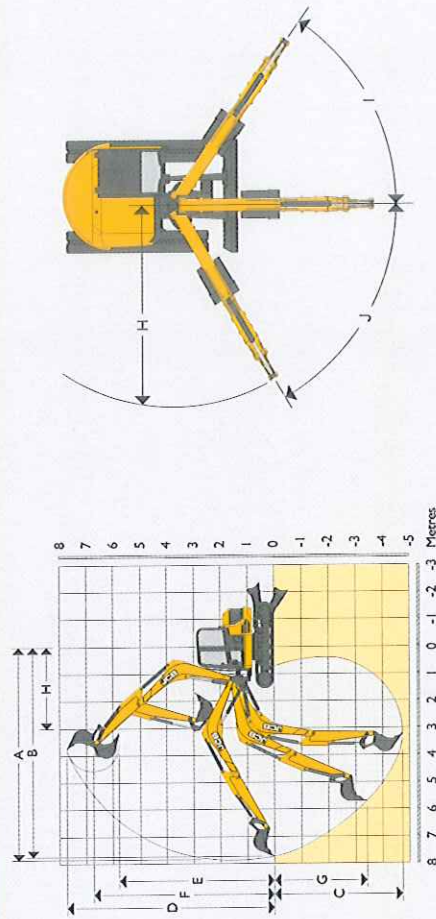
STANDARD EQUIPMENT

Tilting cab, fully glazed ROPS & TOPS certified cab with JCB impact protection front screen, 2 speed intermittent wiper with wash/wipe, roof mounted front worklights, 3 speed heater/demister with 9 adjustable air vents, color LCD display, digital clock, adjustable sun visor, internal lockable toolbox, cup holder, coat hook, 12V accessory socket, interior light, full audio/visual warning systems, radio ready kit, auto idle throttle, below idle system, 2 digging modes (ECO & Heavy), ISO servo controls with electro-hydraulic dozer lever, electro-proportional thumb controlled high flow double acting auxiliary, 10 selectable auxiliary flow rates, joystick mounted hammer switch, electronic single/double acting auxiliary changeover valve, neutral start, full control isolation, 2GO hydraulic isolation, operator presence seat switch, seat belt activation switch, midback suspension seat, 2 piece removable floor mat, beacon ready kit, two speed tracking, auto-kickdown track motors, 18in short pitch rubber tracks, double element air cleaner, heavy-duty alternator, heavy-duty battery, battery isolator, hydraulic slow braking with disc type park brake, ORFS hydraulics, color coded hydraulic hoses, bushed swing bracket, 500 hour dig end greasing intervals, heavy duty boom cylinder guard, protected boom worklight, 6' 7" dipper (85Z), 6' 11" dipper (86C), 2 position bucket tipping link - speed & power, quick release auxiliary couplers, 100% steel bodywork.

OPTIONAL EQUIPMENT

AC, ROPS & TOPS canopy with polycarbonate impact protection screen, FOPS guard stage 1 or 2, 18in or 24in steel tracks, 18in GeoGrip road liner tracks, fan & chaff guards, high back seat or deluxe heated high back air-suspension seat, radio installation, electro-proportional thumb controlled low flow auxiliary, hose burst check valve (HBCV) lifting kit (dozer, boom & arm), bucket-to-grab change over valve, mechanical quickhitch, hydraulic quickhitch, hydraulic quickhitch ready pipework, GP digging buckets, ditch/grading buckets, hydraulic hammers, rotating/strobe beacon, travel alarm, white noise alarm, face fan, toolkit, greasegun & cartridge, fire extinguisher, exterior cab mounted mirrors, interior mirror, electric refuelling pump, JCB immobilizer (unique key or keypad system), dozer float, angled dozer blade, TAB boom, dual pattern controls (ISO/SAE change-over), front screen guard (fine or coarse), rear roof mounted worklight, twin pair of front roof mounted worklights, short & long dipper options, LiveLink, special paint options, block heater 110/240V.

WORKING RANGE



	85Z-1	86C-1	86C-1 TAB
Boom length	ft/in	11'	TAB
Arm length	ft/in	5' 5" / 6' 11" / 7' 5"	5' 5" / 6' 11" / 7' 5"
A Max digging reach	ft/in	21' 8" / 22' 9" / 23' 1"	23' 9" / 25' 9" / 26' 3"
B Max digging reach on ground	ft/in	21' / 22' 2" / 22' 6"	21' 9" / 23' 3" / 23' 8"
C Max digging depth - dozer up	ft/in	10' 7" / 11' 9" / 12' 1"	12' 1" / 14' 4" / 14' 10"
D Max digging depth - dozer down	ft/in	11' 10" / 11' 11" / 12' 2"	12' 10" / 14' 4" / 14' 10"
E Max digging height	ft/in	21' 3" / 22' 2" / 22' 5"	22' 6" / 23' 7" / 23' 11"
F Max dump/load-over height	ft/in	15' 4" / 16' 3" / 16' 6"	16' 7" / 17' 8" / 18' 1"
G Max height to bucket pin	ft/in	18' 2" / 19' 1" / 19' 4"	19' 5" / 20' 6" / 20' 10"
H Max vertical wall digging depth	ft/in	8' 3" / 9' 4" / 9' 8"	9' / 10' 4" / 10' 9"
I Min. front swing radius (no offset)	ft/in	9' 4" / 9' 10" / 10'	8' 5" / 8' 9" / 8' 11"
J Min. front swing radius (fully offset)	ft/in	8' 2" / 8' 7" / 8' 9"	7' 7" / 8' / 8' 1"
K Boom swing left	degrees	55	
L Boom swing right	degrees	60	
M Bucket rotation	degrees	200	
N Arm rotation	degrees	122	126
O Bucket digging force	lbf	12,837	
P Arm digging force	lbf	9,509	9,509 / 9,060 / 11,218
Q Slew speed	rpm	10	

DOZER

Machine Model	85Z-1	86C-1	86C-1 TAB
Dozer length	ft/in	4' 11"	
Max height above ground	ft/in	1' 7"	
Dig depth below ground	in	18	
Approach angle	degrees	27.8	
Width	ft/in	7' 7"	
Height	in	19	
Reach in front of tracks	in	24	

SPECIFICATION

85Z/86C COMPACT EXCAVATOR

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' BOOM, 5' 4" ARM, NO BUCKET

Load Point	6' 7"						9' 10"						13' 2"						16' 5"						Capacity at Maximum Reach						
																												Distance			
Height	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Ft/in
Ft/in	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	Ft/in
16' 5"																															14' 2"
13' 2"																															16' 10"
9' 10"																															18' 1"
6' 7"																															18' 10"
3' 3"																															18' 10"
0																															18' 1"
-3' 3"																															16' 9"
-6' 7"																															14' 7"
																									</						

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' BOOM, 6' 9" ARM, NO BUCKET

Load Point	6' 7"						9' 10"						13' 2"						16' 5"						Capacity at Maximum Reach																																																																																																																																																																																																																																																																																																																																												
																																																																																																																																																																																																																																																																																																																																																																					

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' BOOM, 7' 4" ARM, NO BUCKET

Load Point	6' 7"						9' 10"						13' 2"						16' 5"						Capacity at Maximum Reach						
																															
Height	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Distance
Ft/in	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	Ft/in	
16' 5"																														16' 9"	
13' 2"							2,610*	2,789*	2,853*	2,749*	2,989*	3,194*	2,937*	2,848	2,006	3,093*	2,216	1,964	20' 5"											19'	
9' 10"							5,769*	6,164*	5,672	4,101*	4,383*	3,715	3,347	3,642*	2,655	1,645	3,179*	1,839	21'											21'	
6' 7"							7,031	8,353*	5,201	4,491	5,348*	3,501	3,239	4,114*	2,575	1,609	3,261*	1,803	21' 1"												
3' 3"							6,806	8,492*	4,989	4,343	5,933*	3,353	3,153	4,429*	2,489	1,558	3,371*	1,854	20' 5"												
0							6,451*	8,885*	4,943	4,279	5,994*	3,291	3,113	4,440*	2,449	1,799	3,459*	2,002	19' 3"												
-3' 3"							6,038*	8,885*	4,943	4,279	5,994*	3,291	3,113	4,440*	2,449	1,799	3,459*	2,002	19' 3"												
-6' 7"							10,168*	10,862*	9,934*	6,806	7,866*	4,989	4,292	5,452*	3,303	3,132	3,882*	2,469	2,138	3,534*	2,352	17' 1"									
-9' 10"							8,516*	9,098*	9,310*	5,351*	5,717*	5,132	3,508*	3,746*	3,419	3,132	3,882*	2,469	2,138	3,534*	2,352	17' 1"									

Lift capacity front and rear.

Notes:

Lift capacity full circle.

- 1.) Lifting capacities are based on ISO 10567 that is 75% of minimum tipping load or 87% of hydraulic lift capacity whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- 2.) Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
- 3.) A bucket must be fitted when lifting. The weight of this bucket must be deducted from the above lift capacities.
- 4.) Lift capacities may be limited by local regulations - please refer to your dealer.

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' BOOM, 5' 4" ARM, NO BUCKET

85Z

Load Point	6' 7"			9' 10"			13' 2"			16' 5"			Capacity at Maximum Reach		
Height	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
Ft/in	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	Ft/in
16' 5"							3,497*	3,735*	3,214						15' 10"
13' 2"				4,539*	4,848*	4,943	4,297	4,411*	3,159		4,162*	2,167	2,579	4,162*	17' 1"
9' 10"				6,226	7,688*	4,535	3,920	5,542*	3,042		4,603*	2,116	2,332	4,334*	18' 1"
6' 7"				5,589	9,667*	4,200	3,622	6,426*	2,844		4,872*	2,050	2,266	4,449*	18' 1"
3' 3"				5,192	9,819*	3,935	3,472	6,770*	2,679		5,007*	1,951	2,332	4,623*	17' 3"
0	9,498*	10,148*	8,199	4,894	8,574*	3,836	3,373	6,252*	2,597				2,646	4,641*	15' 9"
-3' 3"				5,875	6,396*	4,204	3,662*	3,911*	2,811				3,146	3,880*	13' 2"

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' BOOM, 6' 6" ARM, NO BUCKET

85Z

Load Point	6' 7"			9' 10"			13' 2"			16' 5"			Capacity at Maximum Reach		
Height	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
Ft/in	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	Ft/in
13' 2"							2,917*	3,115*	3,188*		3,371*	2,205	2,205	3,477*	17' 2"
9' 10"				6,693*	6,925*	4,747	3,759*	3,836*	3,664*		3,799*	2,200	2,299	3,816*	18' 1"
6' 7"				5,672	9,284*	4,251	3,968	5,064*	3,075		4,297*	2,134	2,116	3,990*	19' 2"
3' 3"				5,456	9,916*	3,935	3,655	6,138*	2,895		4,758*	2,002	2,035	4,065*	19' 1"
0				7,866	8,477*	7,866	3,538	6,751*	2,712		5,064*	2,017	2,183	4,277*	18' 5"
-3' 3"	7,934	8,477*	8,053	5,159	9,092*	3,788	3,457	6,656*	2,630		4,949*	1,918	2,366	4,334*	16' 11"
-6' 7"	11,021	11,021*		5,681	7,383*	4,008	3,576	4,855*	2,646				2,520	3,675*	14' 10"

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' BOOM, 6' 9" ARM, NO BUCKET

85Z

Load Point	6' 7"			9' 10"			13' 2"			16' 5"			Capacity at Maximum Reach		
Height	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
Ft/in	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	Ft/in
16' 5"							3,018*	3,223*	3,247						14' 10"
13' 2"							2,811*	3,003*	3,073*		3,287*	2,258	2,169	3,428*	17' 7"
9' 10"							3,278*	3,501*	3,188		3,408*	2,231	1,867	3,426*	19' 2"
6' 7"				5,769*	6,164*	4,680	3,951	4,511*	3,018		3,825*	2,154	1,726	3,477*	19' 10"
3' 3"				5,913	8,957*	4,231	3,757	5,600*	2,826		4,297*	2,061	1,691	3,558*	19' 11"
0				5,692	9,936*	4,023	3,624	6,239*	2,696		4,583*	1,991	1,753	3,655*	19' 3"
-3' 3"	7,665*	8,190*	7,919	5,653	9,473*	3,986	3,574	6,175*	2,646		4,407*	1,967	1,953	3,739*	17' 9"
-6' 7"	11,021*	11,021*	8,095	5,721	7,743*	4,050	3,609	5,117*	2,681				2,456	3,713*	15' 3"

Lift capacity front and rear.

Lift capacity full circle.

Notes:

- 1.) Lifting capacities are based on ISO 10567 that is 75% of minimum tipping load or 87% of hydraulic lift capacity whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- 2.) Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
- 3.) A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
- 4.) Lift capacities may be limited by local regulations - please refer to your dealer.



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9999/5788 10/14 en-US Issue 1

NEW



COMPACT EXCAVATOR | 90Z-1/100C-1

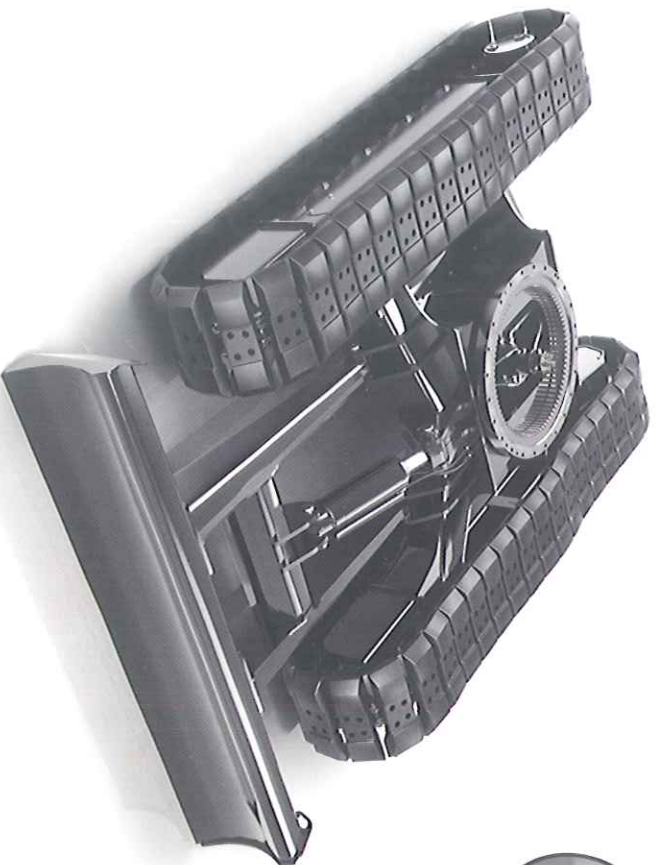
Operating weight: 18975/21458lb Net engine power: 70.2 HP

JCB

THE STRONGEST CONTENDER.

THE JCB 90Z AND 100C ARE THE TOUGHEST 9 TO 10 METRIC TON EXCAVATORS WE'VE EVER BUILT. USING OUR ENTIRE 50 YEARS OF EXPERTISE, WE TALKED TO CUSTOMERS JUST LIKE YOU TO ENSURE THAT THESE MACHINES WILL MEET YOUR DEMANDS.

A simplified H-frame construction and finite element analysis have helped us create the ultimate heavy-duty structure. The 90z and 100c combine durability with confidence-inspiring stability.



Tough by design.

- 1 For added structural strength, our clean and elegant arm design is constructed from four plates.
- 2 The fully robot-welded high tensile steel boom and arm is strengthened with internal baffle plates to offer a long and trouble-free service life.
- 3 Bodywork is made using 100% high strength pressed steel so it's strong, durable, and easy to repair, with no fragile plastic sections.



Dig end durability.

4 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.

5 Excavator hoses are safely routed through our heavy-duty swing bracket, which is made to last using durable re-bushable pivots.



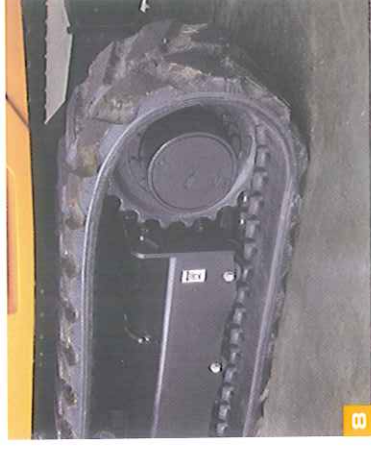
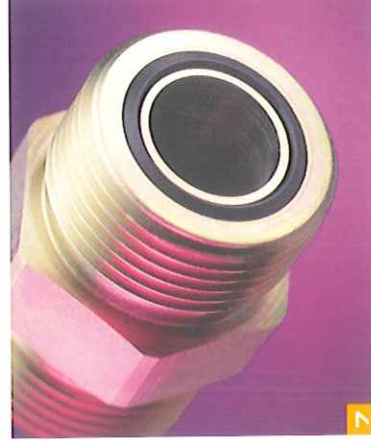
The best build quality.

6 Fold back your cab door and you'll see that it fits snugly within the counterweight length. This keeps it out of harm's way while you're working.

7 Hydraulic seals are the very latest O-ring face seal (ORFS) type for robust connectivity between joints.

8 To help these machines perform anywhere, we equip them with high quality 18" rubber tracks with interlocking links. Our optional 18 7/24" steel tracks are fitted pre-drilled so you can attach rubber pads easily. Then you have the choice of dedicated Road Liner Pads (GeoGrip), which can be replaced segment-by-segment when they get worn.

9 Premium componentry comes as standard on the 90z and 100c. The spec list includes JCB Diesel by Kohler engines, Nachi and Bosch-Rexroth hydraulics, and Bridgestone tracks.



TOP PERFORMERS.

THE LATEST JCB 9 TO 10 METRIC TON COMPACT EXCAVATORS REPRESENT A HUGE LEAP FORWARD IN PERFORMANCE. PUT SIMPLY, IF YOU INVEST IN A 90Z OR 100C, YOU'LL GET UNSURPASSED LEVELS OF POWER, VERSATILITY, AND PRODUCTIVITY.

Potent performance.

1 At the heart of these new JCB 10 metric ton machines is a JCB Diesel by Kohler common rail Stage IIIB/Tier 4 final-compliant engine that's fitted with a Diesel Oxidation Catalyst, turbocharger and intercooler. Power has been increased to 73.8hp at 2000rpm, and the unit produces 225lbf of torque at 1500rpm.

2 You get class-leading tractive effort and tracking speed (2.7mph with a 100c and 2.9mph with a 90z) ensuring comprehensive dozer capabilities and swift travel times.

To increase productivity and reduce operator fatigue, our auto kickdown motors will automatically adapt to terrain changes.



1

Digging down.

3 There's a huge 188° bucket rotation, which helps provide great spoil retention during truck loading. Both the 90z and 100c can also be equipped with your choice of arm length, from 5'5"–7'5".

4 3 arm lengths of 1.65m, 5'5", 6'11" and 7'5" per model gives increased performance and far more versatility.



ZTS or CTS?
Both ZTS and CTS catlanding configurations have distinct productivity advantages so you'll need to choose which setup suits your business best. CTS provides superior stability, lifting capacity and a larger dig end, while the absence of any track overhang on ZTS makes for greater maneuverability in tight spaces.

2



4

Easier ground leveling and efficient site clean-up is guaranteed with our dozer blade float option. Choose the angled dozer blade for the most efficient trench back-filling.

5 We've achieved optimal dig end geometry by carefully matching the boom and arm to each other. This superb balance helps you operate with total ease in confined areas.

6 Arm digging forces are substantial (up to 11,218lbf on both the 90z and 100c), unrivaled productivity and fast cycle times are all part of the package.

Hydraulic innovation.

7 A high quality closed center pump and valve provides smooth and precise multifunctioning operation, as well as improved flow sharing.

Standard high and optional low flow auxiliary hydraulics enable you to operate all sorts of versatility-enhancing attachments. Proportional electronic control of the auxiliary lines with full adjustability means you can operate any attachment easily.

8 As an option, the 90Z and 100C can be supplied as tilt-rotate ready. Tilt-rotate 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.

Improved dozer design.

9 We've completely overhauled our dozer profile and angle so that performance is improved and soil retention is drastically reduced. Lift points are now tapered and situated behind the edge of the blade for added protection.



THE COMFORTABLE FAVORITE.

WE'VE MADE THE JCB 90Z AND 100C ERGONOMIC AND COMFORTABLE TO OPERATE. AFTER ALL, AN OPERATOR WHO'S FRESH AND ALERT ALL DAY LONG WILL ALWAYS ACHIEVE HEIGHTENED LEVELS OF PRODUCTIVITY.

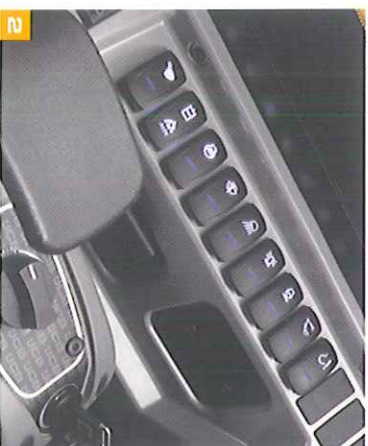
A productive environment.

1 We've boosted overall space in our excavator cabs. This means there's plenty of storage, a phone tray, stowage net, and a cup holder. A large door provides easy safe cab access.

2 Operators will find our standard-fit fully adjustable suspension seat very comfortable; they'll be even more impressed with our heated air suspension option, boasting independent adjustable positions for excellent ergonomics. An informative color LCD display is at the center of our intuitive switch layout, and you can even spec an optional reversing camera.

3 The 3-speed heater and window de-mister on your 90Z or 100C, with 9-adjustable air vents ensure a comfortable and productive working environment.

For added comfort, a high performing air conditioning system is available as an option, and there's also a radio and 12V phone charger.





Smoothly does it.

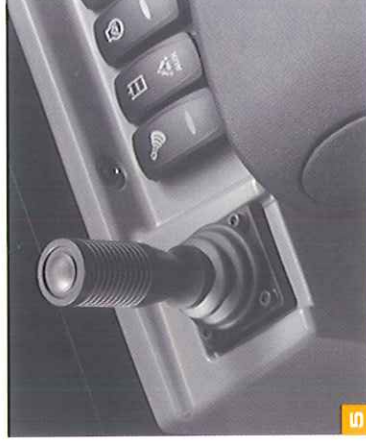
4 The hydraulic valve block is isolated from the chassis by rubber mounts, which reduce in-cab noise and vibration. Even so, the valve block is easy to access under the side-opening hood.

5 A standard-fit ergonomic electro-hydraulic dozer control ensures smooth and precise grading control.

6 Switching between single and double-acting auxiliary flow is easy with our convenient cab-mounted switch.

7 You can operate a huge variety of attachments seamlessly by toggling between 10 different electro-proportional high flow line rates.

8 Short pitched tracks engage every tooth on the sprocket, helping reduce vibration and noise while maintaining a very smooth ride on the JCB 90z and 100c.



SAFETY AND SERVICEABILITY.

A SAFE SITE IS OF PARAMOUNT IMPORTANCE TO ANY OWNER, AS IS MACHINERY THAT'S EASY AND FAST TO SERVICE. BOTH THE 90Z AND 100C WILL PROTECT MACHINERY, OPERATORS, AND BYSTANDERS, AS WELL AS PROVIDING DOWNTIME-MINIMIZING SERVICEABILITY.

Front screen guards can be specified to provide total peace of mind to operators. Standard boom and optional cab worklight guards are another option that protects vulnerable components during hazardous applications.

Optional (territory dependent) boom, dozer, and arm hose burst check valves (HBCVs) aid lifting and make operations safer.

Safety first.

- 1 JCB's safety lever lock isolates hydraulic functions to prevent unintended movements.
- 2 To ensure that your hydraulics are only operated in a safe lockable position, JCB's unique 2GO system requires the operator to acknowledge they are ready to work.
- 3 There's a clear view of the front right track on both the JCB 90z and 100c, courtesy of a 70/30 front screen split. This makes trench digging and maneuvering safer.
- 4 Stability on these machines is best-in-class. This is no surprise as both feature a large track frame width and a low center of gravity.



Excellent SAE service rating equates to greater uptime for both the JCB 90z and 100c. Our machines are more serviceable thanks to features like a gas-strutted 30-degree tilting cab. You don't need special tools to operate this either, so routine checks are quicker to perform than ever.

Routine servicing.

S Greasing intervals at the dozer and dig end are a best-in-class 500 hours, which saves you time and money. This is made possible because we use graphite impregnated bronze bushes.

B Material build-up is prevented by a sealed idler tension unit and an open frame undercarriage design with sloping track legs. This means the 90z and 100c are easier to clean.

7 Key components like the rotary joint, swing cylinder, removable side skirts, and in-fill panel are all easily accessed via the tilting cab.

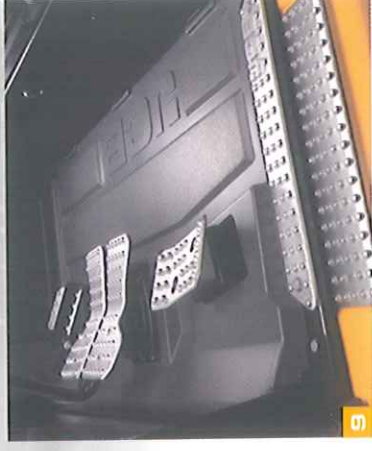
B For reduced fuel spillage and increased safety, fit your machine with JCB's optional refueling pump with its auto stop function.

There are color-coded hydraulic hoses to make identification simple. Hoses from the dozer all terminate at the bulkhead, which means that replacing them is easy.

S To make access safer and bodywork better protected, we've fitted a cast anti-slip tread plate. Our two-piece floor mat is easy to remove for cleaning.



500-hour greasing intervals.



LOW COST OF OWNERSHIP.

With identical bucket pin geometry to the world leading JCB 3CX backhoe loader, attachments are fully interchangeable.

ENSURING A LOW COST OF OWNERSHIP IS FOREMOST IN OUR CUSTOMERS' MINDS. THAT'S WHY WE'VE BUILT THE JCB 90Z AND 100C TO KEEP RUNNING COSTS AFFORDABLE AND PRODUCTIVITY HIGH.

A great investment.

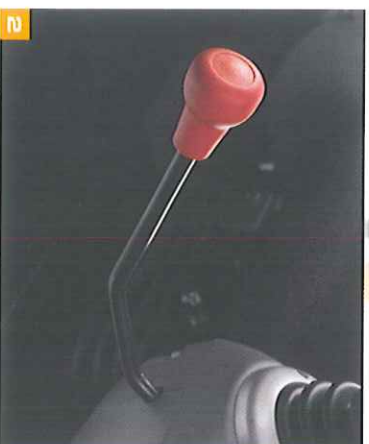
1 Fuel combustion in the JCB Diesel by Kohler engine is so clean that the unit doesn't require a diesel particulate filter (DPF). This reduces servicing, increases uptime, and improves fuel efficiency.

2 Engine revs on your 90Z or 100C automatically drop to 950 rpm when the operator's armrest is raised. Combined with the Auto Idle feature, this reduces fuel economy and noise levels even further.

3 Auto Idle is programmable and can be set to activate after the controls have been unused for any period between 2 and 30 seconds.

4 The load-sensing hydraulics on JCB's 9 to 10 metric ton excavators only consume power on demand, conserving fuel for when you need it most.

5 There are two separate dig modes (efficiency-boosting ECO or productivity-enhancing Heavy), allowing you to tweak your performance for any job.



LIVELINK, WORK SMARTER.

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

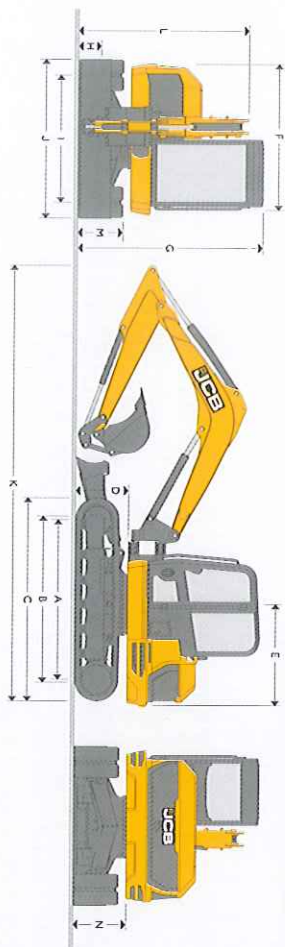
JCB Premiercover offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Whatever you choose, our Maintenance teams around the world charge competitive labor rates, and offer no-obligation quotations as well as fast, efficient insurance repair work.



2

2 The global network of JCB Parts Centers 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.

STATIC DIMENSIONS



Machine model	100C-1	90Z-1
A Sprocket idler centers	7' 8"	
B Track length on ground	7' 8"	
C Undercarriage overall length - rubber	9' 8"	
D Undercarriage overall length - steel	9' 6"	
E Swing bracket clearance	2' 7"	
F Trailing radius	5' 3"	3' 9"
G Overall width of superstructure	7' 2"	
H Height over cab	8' 11"	
I Ground clearance	1' 2"	
J Track gauge	6' 11"	
K Width over tracks (450 shoes)	7' 7"	
L Transport length with standard arm	22' 6"	21' 7"
M Transport height with standard arm	8' 6"	
N Track height	2' 2"	
N Counterweight clearance	2' 6"	

ENGINE

Machine model	100C-1	90Z-1
Model	Stage IIIB / Tier 4 Final KD1 2504 TCR	
Fuel	Diesel	
Cooling	Water cooled	
Gross power ISO 14396	hp @ 2200 rpm	73.8
Net power	hp @ 2200 rpm	70.3
Gross torque ISO 14396	lb-ft @ 1400 rpm	225
Displacement	cc	152.56
Gradeability	degrees	30
Starter motor	kW	2.7
Battery	volt / amps	12V / 75 CCA
Alternator	volt / amps	12V / 80A

UNDERCARRIAGE

Machine model	100C-1	90Z-1
# of top rollers	1	
# of bottom rollers	5	
Track width rubber (STD)	18"	
Track width steel	18" / 24"	
Ground clearance	14"	
Track tensioning	Grease	
Travel speed - low	1.5 mph	1.6
Travel speed - high	2.7 mph	2.9
Tractive effort	132 lbf	128

HYDRAULIC SYSTEM

Machine model	100C-1	90Z-1
Nominal output @ 2000rpm	gpm	39.1
Excavator/track main relief pressure	psi	4351
Slew main relief pressure	psi	3278
Auxiliary low flow	gpm	6.6
Auxiliary high flow	gpm	26.4
Auxiliary low flow	psi	2756
Auxiliary high flow	psi	2756
Hydraulic motors	Piston	

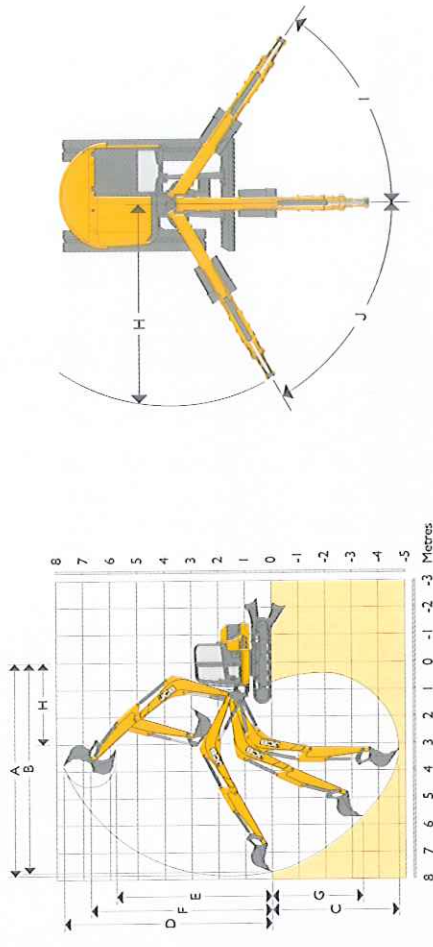
WEIGHTS

Machine model	100C-1	90Z-1
Operating weight* (450mm rubber tracks)	lbs	21458
Shipping** weight (450mm rubber tracks)	lbs	21087
With FOGS guard - Stage 1	lbs	+31
With FOGS guard - Stage 2	lbs	+214
With FOGS guard - Stage 1 HVAC	lbs	+108
With steel tracks (450mm)	lbs	+406
With steel tracks (600mm)	lbs	+809
With Geo grip tracks (450mm)	lbs	+295
Ground pressure (450mm tracks)	psi	6.5
Ground pressure (600mm tracks)	psi	5.0
With narrow dozer (2220mm)	lbs	-11
With wide dozer (2470mm)	lbs	+40
With 4way dozer	lbs	+478
With long arm (2250mm)	lbs	+35
With short arm (1650mm)	lbs	-106
With quicktich	lbs	+209

* Operating weight to ISO 6016 including cab, rubber tracks, standard arm, 24" bucket (90Z), 35" (100C adding 95 lbs of weight), full tanks and a 165 lb operator.

** Shipping weight to ISO 6016 is mass of the base machine without an operator, with fuel level at 10% of tank capacity.

WORKING RANGE



		100c-1	90z-1
Arm length	ft-in	5' 5" / 6' 11" / 7' 5"	5' 5" / 6' 11" / 7' 5"
Boom length	ft-in	12' 1"	11' 0"
A Max digging reach	ft-in	23' 2" / 24' 6" / 24' 10"	22' 9" / 24' 9" / 23' 4" 7"
B Max digging reach on ground	ft-in	22' 7" / 24' 0" / 24' 5"	22' 7" / 24' 9" / 24' 7"
C Max digging depth - dozer up	ft-in	13' 6" / 15' 0" / 15' 0"	11' 7" / 13' 8" / 13' 6"
D Max digging depth - dozer down	ft-in	13' 6" / 14' 1" / 14' 1"	11' 6" / 13' 7" / 13' 6"
E Max digging height	ft-in	23' 0" / 24' 0" / 24' 6"	22' 6" / 23' 7" / 13' 11"
F Max dump height	ft-in	17' 0" / 18' 0" / 18' 7"	16' 4" / 17' 5" / 17' 9"
G Max height to bucket pin	ft-in	20' 1" / 21' 1" / 21' 5"	19' 5" / 20' 6" / 20' 10"
H Max vertical wall digging depth	ft-in	6' 2" / 7' 5" / 11' 6"	10' 8" / 9' 6" / 12' 6"
I Min front swing radius (no offset)	ft-in	8' 10" / 9' 5" / 9' 6"	9' 8" / 10' 2" / 10' 4"
J Min front swing radius (fully offset)	ft-in	7' 1" / 7' 9" / 7' 11"	7' 9" / 8' 3" / 8' 5"
Boom swing left	degrees		60
Boom swing right	degrees		60
Bucket rotation	degrees		184.6
Arm rotation	degrees	118	114
Bucket digging (power position)	lbf	16231	12837
Arm digging force	lbf		11218 / 9509 / 9060
Slew speed	rpm	8.2	7.9

DOZER

Machine model		100c-1	90z-1
Dozer length	ft-in		4' 11"
Max height above ground	ft-in		1' 7"
Dig depth below ground	ft-in		1' 6"
Approach angle	degrees		27.8
Width	ft-in		7' 7"
Height	ft-in		1' 7"
Reach in front of tracks	ft-in		2' 0"

SERVICE CAPACITIES

Machine model	100c-1	90z-1
Fuel tank	gal	29.6
Engine coolant	gal	3.2
Engine oil	gal	3.0
Hydraulic system	gal	31.2
Hydraulic tank	gal	17.4

OPERATOR STATION

Machine model	100c-1	90z-1
Cab/canopy height	ft-in	5' 1"
Cab/canopy height with FOGS guard LEVEL 1	ft-in	5' 5"
Cab/canopy height with FOGS guard LEVEL 2	ft-in	5' 8"
Cab/canopy length	ft-in	6' 4"
Cab/canopy width	ft-in	3' 5"
Distance from seat base to roof	ft-in	3' 8"
Door aperture width	ft-in	2' 0"

NOISE & VIBRATION

	Uncertainty	Measurement Conditions
Noise at the operator station (Lpa)	74 dB (Kpa)	ISO 6396:2008
Noise emission from the machine (Lwa)	96 dB (Kwa)	ISO 6395:1988
Hand Arm Vibration (m/s ²)		
Tracking duty	3.3* (k)	EN ISO 5349-2:2001 (based upon a test cycle defined in SAE J 1166)
Low idle and excavating duty	≤ 2.5 (k)	EN ISO 5349-2:2001 (based upon a test cycle defined in SAE J 1166)
Whole body vibration (m/s ²)	0.46 (k)	ISO 2631-1:1997

* Using foot operation for long periods of tracking will prevent exposure to Hand-Arm Vibration above the action level.

** Based on 50% uncertainty of measurement.

STANDARD EQUIPMENT

Tilting cab, Fully glazed TOPS certified cab with JCB Impact Protection front screen, 2 speed intermittent wiper with wash/wipe, Roof mounted worklights, 3 speed heater/demister with 9 adjustable air vents, Color LCD display, Digital clock, Adjustable sunblind, Internal lockable toolbox, Cup holder, Coat hook, 12v accessory socket, Interior light, Full audio/visual warning systems, Radio ready kit, Auto idle throttle, Below idle system, 2 digging modes (Eco and Heavy), ISO servo controls with electro-hydraulic dozer lever, Electro-proportional thumb controlled high flow double acting auxiliary, 10 selectable auxiliary flow rates, Joystick mounted hammer switch, Electronic single/double acting auxiliary changeover valve, Neutral start, Full control isolation, "2 go" hydraulic isolation, Midback suspension seat, 2 piece removable floor mat, Beacon ready kit, Two speed tracking, Auto-kickdown track motors, 18" short pitch rubber tracks, Double element air cleaner, Heavy-duty alternator, Heavy-duty battery, Hydraulic slew braking with disc type park brake, ORFS hydraulics, Color coded hydraulic hoses, Bushed swing bracket, 500 hour dig end greasing intervals, Heavy duty boom cylinder guard, Protected boom worklight, 6' 11" arm, 2 position bucket tipping link - Speed and Power, Quick release auxiliary couplers, 100% steel bodywork, CESAR datatag (UK only).

OPTIONAL EQUIPMENT

Air-conditioning, FOGS guard stage 1 or 2, 18" or 24" steel tracks, 18" Geo Grip Road Liner tracks, Fan & chaff guards, Battery isolator (standard for EU), High back seat or deluxe heated high back air-suspension seat, Radio installation, Electro-proportional thumb controlled low flow auxiliary, Hose burst check valve lifting kit (dozer, boom & arm), Bucket-to-grab change over valve, Mechanical quickhitch, Hydraulic quickhitch ready pipework, General purpose digging buckets, Ditch/grading buckets, Hydraulic hammers, Rotating/strobe beacon, Travel alarm, White noise alarm, Face fan, Toolkit, Greasegun & cartridge, Fire extinguisher, Exterior cab mounted mirrors, Interior mirror, Electric refueling pump, JCB Immobilizer (Unique key or keypad system), Dozer float, Angled dozer blade, Dual pattern controls (ISO/SAE change-over), Front screen guard (fine or coarse), Twin pair of front LED roof mounted worklights, Short and long arm options, Thumb ready arm, Liveline, Special paint options, Block heater 110/240V.

LIFT CAPACITY – 18" RUBBER TRACKS, 12 1" BOOM, 5' 5" ARM, NO BUCKET

Load Point		6' 7"						9' 10"						13' 1"						16' 5"						Capacity at maximum reach																																																																																																																																																																																																																																																																																																																																																																
																																																																																																																																																																																																																																																																																																																																																																																										

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LIFT CAPACITY – 18" RUBBER TRACKS, 12 1" BOOM, 7' 5" ARM, NO BUCKET

Load Point		6' 7"		9' 10"																				Capacity at maximum reach
Height ft-in	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Dozer Up lbs	Dozer Down lbs	Over Side lbs	Distance ft-in		
16' 5"																								
13' 1"																								
9' 10"																								
6' 7"																								
3' 3"																								
0' 0"																								
-3' 3"	5836*	5527*	5836*	8710*	8252*	6561	5635	5774	4048	4112	5375*	3025	2895	3922	2163	21' 3"								
-6' 7"	10049*	9520*	10049*	8801	9912*	5994	5582	7240*	3999	4070	5408*	2987	3113	4054	2317	20' 1"								
-9' 10"	12368*	11718*	12229	8863	9445*	6045	5542*	5251*	4096	4081	4952*	2998	3594	4189	2661	18' 1"								

1. Lifting capacities are based on ISO 10567, i.e. 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is less. Lifting capacities marked* are based on hydraulic capacity.

2. Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.

3. A bucket must be fitted when lifting. The weight of the bucket must be deducted from the above lift capacities.

4. Lift capacities may be limited by local regulations. Please consult your dealer.



Lift capacity (full circle).

LIFT CAPACITIES - 18" RUBBER TRACKS, 11' 0" BOOM, 5' 5" ARM, NO BUCKET

90Z

Load Point	6' 7"			9' 10"			13' 1"			16' 5"			Capacity at maximum reach		
Height	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
ft-in	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
16' 5"													3338	3821	2701
13' 1"													2917	3691	2039
9' 10"													2511	3691	1750
6' 7"													2335	3748	1620
3' 3"													2291	3829	1583
0' 0"													2388	3929	1645
-3' 3"	6171*	7064*	5948*	6193	8629*	3946	3891	6025*	2599	2824	4365*	1931	2674	4017	1834
-6' 7"	9286*	10628*	8089*	6124*	7008*	4021	3946	4899*	2650				3393	3973	2306
-9' 10"															

LIFT CAPACITY - 18" RUBBER TRACKS, 11' 0" BOOM, 6' 11" ARM, NO BUCKET

90Z

Load Point	6' 7"			9' 10"			13' 1"			16' 5"			Capacity at maximum reach		
Height	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
ft-in	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
16' 5"													2956	3384	2264
13' 1"													2575	3340	1812
9' 10"													2277	3364	1598
6' 7"													2138	3428	1493
3' 3"													2099	3512	1459
0' 0"													2172	3622	1504
-3' 3"	5280*	6043*	5088*	6169	9162*	3907	3885	6230*	2595	2824	4610*	1931	2372	3719	1636
-6' 7"	9127*	10446*	7904	6206	7970*	3957	3909	5553*	2617	2862	3836*	1962	2840	3777	1949
-9' 10"	7410*	8481*	7143*	4784*	5474*	4092						3150	3150	3605	2837

LIFT CAPACITY - 18" RUBBER TRACKS, 11' 0" BOOM, 7' 5" ARM, NO BUCKET

90Z

Load Point	6' 7"			9' 10"			13' 1"			16' 5"			Capacity at maximum reach		
Height	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
ft-in	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
16' 5"													2853	3265	2152
13' 1"													2485	3236	1750
9' 10"													2209	3267	1552
6' 7"													2077	3331	1453
3' 3"													2044	3419	1424
0' 0"													2105	3525	1462
-3' 3"	5040*	5769*	4859*	6135	9284*	3900	3887	6270*	2597	2829	4451*	1933	2286	3629	1581
-6' 7"	8488*	9714*	7848	6186	8232*	3940	3900	5710*	2608	2848	4074*	1951	2703	3713	1858
-9' 10"	8351*	9557*	8049*	5245*	6001*	4061	3444*	3942*	2707				3146	3600	2584

Lift capacity front and rear.

Notes:

1. Lifting capacities are based on ISO 10567, i.e. 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is less. Lifting capacities marked* are based on hydraulic capacity.

2. Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.

3. A bucket must be fitted when lifting. The weight of this bucket must be deducted from the above lift capacities.

4. Lift capacities may be limited by local regulations. Please consult your dealer.

Lift capacity full circle.



ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

9999/5870 (en-US) 02/15 Issue 1

Compact Excavator 90Z-1/100C-1

Operating weight: 18975/21458lb Net engine power: 70 HP

JCB North American – Headquarters

Savannah, 2000 Barnford Blvd., Savannah, Georgia, 31322 Tel: (912) 447-2000

Download the very latest information on this product range at www.jcb.com

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STRENGTH INSIDE AND OUT

BEFORE YOU BUY AN EXCAVATOR, YOU NEED TO KNOW IT'S GOING TO BE TOUGH ENOUGH TO PERFORM ANY JOB YOU ASK OF IT. FORTUNATELY, WITH A JCB EXCAVATOR STRENGTH AND DURABILITY COME AS STANDARD.



Boom and dipper

1 A JCB Excavators reinforced boom and dipper is made of high tensile strength steel, with internal baffle plates for long life durability. In addition we fit heavy duty wear strips at the dipper end for increased durability.

2 Our advanced manufacturing and assembly processes produce high precision and quality assembled components.

Componentry

3 Our engine technology is tried and proven; we've built 200,000 DIESELMAX units since 2004. To ensure similar longevity, the JS115 160 190 220 260 340 360x EcoMAX T4/Stage 3B engine has been tested for 110,000 hours in 70 different machines across the toughest applications and environments.

4 JCB Excavators boast the best components in the industry, including Berco running gear, Kawasaki pumps, Kayaba valve blocks and JCB EcoMAX engines.

We use finite element analysis with extensive rig and endurance testing to make key components last longer.

The new DIESELMAX 672 engine is based on our proven 4.8 litre unit to further guarantee durability, there's a heavy-duty cast iron block, bedplate, cylinder head and forged crankshaft.



Structural strength

- 5** Our stiff, durable door design gives great strength and rigidity.
- 6** The high-strength undercarriage of a JCB uses a fully-welded X frame construction for long-term durability even in the most demanding applications.
- 7** The high-strength rigid upper frame provides maximum durability and support.
- 8** A closed box section revolving frame increases strength and reduces stress. It is also highly resistant to impact damage. Stiff, durable door design gives great strength and rigidity.

UNEARTHED: KEY FACT
The JS turret is welded to both the upper and lower undercarriage frame.



6



7



5



8



MAXIMUM PRODUCTIVITY, MINIMUM SPEND

SAVING MONEY AND TIME IS MORE IMPORTANT THAN EVER, SO WE'VE MADE SURE THE NEW JCB JS RANGE COMPONENTRY – INCLUDING THE ECOMAX T41 ENGINE – WORKS IN PERFECT HARMONY. IN TURN, YOU GET THE MOST PRODUCTIVE AND EFFICIENT MACHINE.

Versed in versatility

- 1 JCB's quick coupler system makes attachment changing fast and easy, and is purpose-designed for the JS range.
 - 2 For ultra versatility, JCB offers a full list of auxiliary pipework options including hammer, auxiliary, and low flow.
 - 3 An optional dozer blade increases versatility for grading.
- Choose the optional rubber street pads and you can use the JS range on sensitive grounds like asphalt without causing damage.
- 3 For waterway maintenance and deep extraction, or any application where reach is paramount, a long reach excavator is the model of choice.



The JS range of machines are a versatile machine that's made all the more so by a big range of attachments, enabling you to carry out a wide range of tasks.



Maximum output

- 4** Simultaneous tracking and excavating is smooth and fast with an intuitive multifunction operation.
- 5** The JS range has a solid, stable work platform for fast cycle times.
- 6** With a massive bucket tearout and fast cycle times, the JS range is extremely productive in all applications.
- 7** JCB's innovative hydraulic regeneration system means oil is recycled across the cylinders for faster cycle times and reduced fuel consumption.

The efficient excavator

- 8** JCB's new EcoMAX T4i/Stage3B engine uses up to 10% less fuel than our Tier 3 units, saving you money. This is partly due to the fact that EcoMAX produces high torque at just 1500 -1600 rpm, making for improved fuel-efficient matching of the hydraulics.
- 9** To reduce noise pollution from unnecessary air flow, the engine-driven cooling fan has a proportional control system, maintaining optimum fan speed.
- 10** The variable power bands allow you to tailor performance – and therefore economy – to specific tasks.



UNEARTHED: KEY FACT

A JS range has a cushioned boom and dipper ends to prevent shock loadings, protect your machine and increase operator comfort.

To save fuel, JCB Auto-Idle technology automatically reduces engine speed when hydraulics aren't in use. To optimize fuel efficiency still further, the JS range benefits from advanced hydraulic technology, including optimized hydraulic pump settings, advanced spool design, and cutting edge electronic management software.



A COMFORTABLE FAVORITE

JCB EXCAVATORS ARE DESIGNED AROUND THE OPERATOR. AFTER ALL, GREAT COMFORT AND EASE OF USE EQUALS GREATER PRODUCTIVITY.

Visibly better

1 A 70/30 front screen split gives JCB JS's excellent front visibility. A clear view of the front right track provides easy, safe trench digging and maneuvering.

2 An innovative low-level hood provides excellent rearward visibility.

Comfortably in control

3 The 4" color multi-function display is easy to read in all light conditions, provides instant operational information, and has a customizable home screen.

The Tool Select feature can set up auxiliary hydraulic circuits quickly and accurately to match flow and pressure requirements of any attachment.



A large laminated glass roof window gives the JS range optimum visibility for working at height.

Light, intuitive and smooth controls improve comfort and productivity. The joystick-mounted power boost button gives extra hydraulic power fast.

A balanced slew and electronic/hydraulic controlled slew braking give speed and precision.



The working environment

6 The JS cab creates a quieter working environment inside and out. Because we've reduced noise levels to 70dB(A) inside and 99dB(A) outside, you can use the machine at any location, any time.

JCB cabs use 6 rubber mounts to minimize noise and vibration.

The positive pressure cab keeps out dirt and dust.

7 JCB's climate control option offers a precisely controlled cab temperature with fresh or recirculated air. Demisting/defrosting functions keep the front window clear.

8 There's a spacious storage behind the operator's seat.

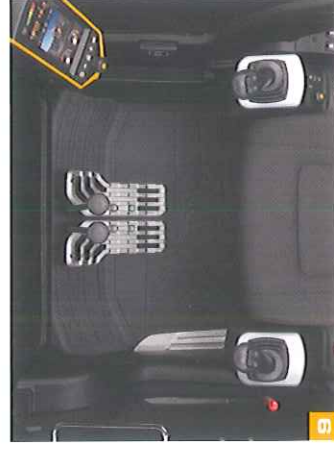
9 A large floor area with large high grip pedals gives easy and precise tracking.



7



8



9



The JS cab and controls are independently adjustable so that it's easy to find the perfect operating position.

We offer tailored seating options to suit many different applications.

6

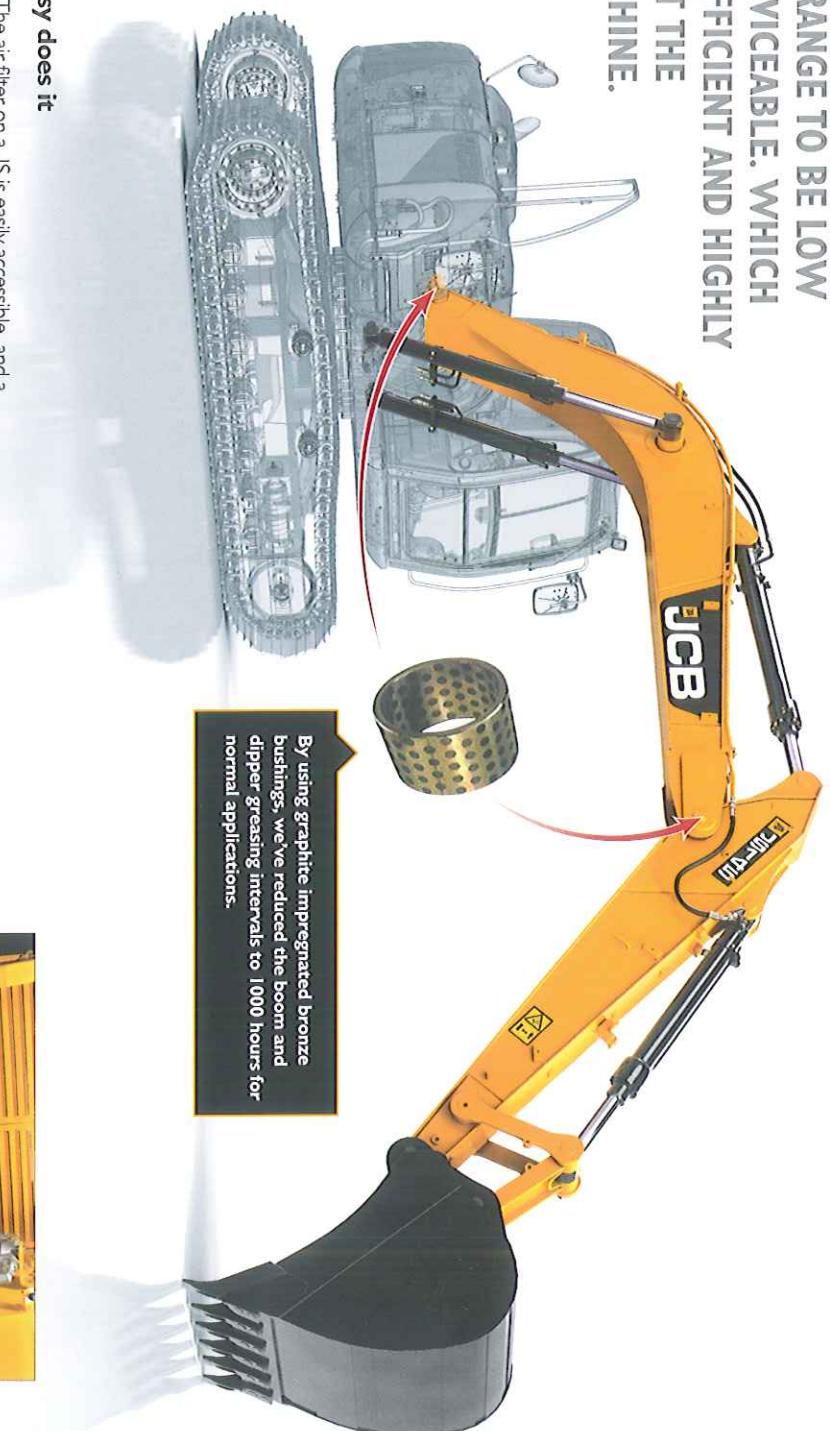
LESS SERVICING, MORE **SERVICE**

WE'VE DESIGNED THE JCB JS RANGE TO BE LOW MAINTENANCE AND EASILY SERVICEABLE. WHICH MAKES THEM AFFORDABLE, EFFICIENT AND HIGHLY PRODUCTIVE. HELPING YOU GET THE BEST SERVICE FROM YOUR MACHINE.



Easy does it

- 1** The air filter on a JS is easily accessible, and a double-element construction simplifies cleaning.
- 2** JCB's Plexus Oil Filter System extends oil life to 5000 hrs by constantly filtering hydraulic fluid down to 2 microns, reducing risk of contamination.
- 3** The filters on the JS (engine oil, hydraulic oil and fuel) are centrally located for fast, easy servicing.



By using graphite impregnated bronze bushings, we've reduced the boom and dipper greasing intervals to 1000 hours for normal applications.

SERVICE INTERVALS	
Engine oil and oil filter	Every 500 hours
Hydraulic oil	Every 5000 hours
Hydraulic oil filter	Every 1000 hours



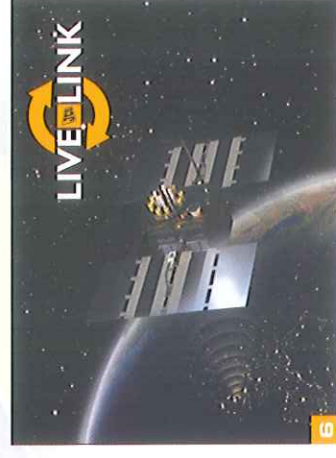


UNEARTHED: KEY FACT
Grease points are centralized for safe and easy access to high level pivots.



Here to help

- 4 JCB's Smart Control automatically checks the engine oil and engine coolant level on machine start up.
- 5 Because they're mounted side by side, the engine radiator, hydraulic cooler and intercooler can be serviced individually and cleaned easily.
- 6 Service your JCB excavator with your local dealer and our trained engineers can minimize downtime. Order genuine JCB parts online and, in 95% of cases, they'll be with you next day. For extra security and machine protection, opt for a package like JCB LiveLink remote machine monitoring.



THE SAFE CHOICE

ON-SITE SAFETY IS CRUCIAL, SO WE'VE DESIGNED THE JCB EXCAVATORS TO INCORPORATE AS MANY CUTTING EDGE SAFEGUARDS AS POSSIBLE. IN SHORT, YOUR OPERATORS ARE IN SAFE HANDS.



1 The JS range service hood opens front-to-rear for easy and safe engine service access.

2 For extra peace of mind, JCB Excavator cabs are available with an optional integral Rollover Protection Structure (ROPS) and level 2 Falling Objects (FOPS)

3 JCB's Safety Level Lock fully isolates hydraulic functions to avoid unintended movements.

4 JS excavators have a large glass area and low service hood line for superb visibility.

5 Steps and platforms have anti-slip punched steel plates for optimum grip, even in wet or icy conditions. Bolt-on plates have recessed bolts to reduce trip hazards.

6 Our standard rear view and optional side view camera display uninterrupted rear and sideway views on the smart controller display.



We've fitted as standard a bulk head heat shield between the pumps and the engine to guard against heat and noise.



7 Equipped with a full set of side and rear view mirrors for all round visibility and safety compliance.

8 JCB 2GO system means a JCB can only be started in a safe locked position via two separate inputs.

9 There's no need to climb onto the excavator to check oil levels; all routine servicing can be done from ground level.

10 Optional safety rails protect operators from falls when they're on the upper structure of the excavator.

11 Optional beacons can improve on-site safety still further.

12 Choose LED work lights for an even better field of vision on the JCB excavator.



8



FULL RANGE OF MACHINES & ATTACHMENTS

	JS145	JS160	JS190	JS220
				
Operating Weight	lb (kg) 30,757 (13,951)	37,930 (17,205)	43,087 (19,544)	49,470 (22,440)
Net Engine Power	hp (kW) 109 (81)	123 (92)	172 (128)	172 (128)
Dipper Options	8-2 (2.5) / 9-10 (3.0)	7-5 (2.25) / 8-10 (2.7) / 10-0 (3.05)	7-5 (2.25) / 8-10 (2.7) / 10-0 (3.0)	6-2 (1.9) / 7-10 (2.4) / 9-10 (3.0)
Machine Variants	Dozer / Rubber Track	LC / NLC	LC / NLC	XD / LONG REACH
Max. Dipper Tearout	lb (kg) 14,720 (6,680)	19,259 (8,754)	19,259 (8,754)	32,210 (14,610)
Max. Bucket Tearout	lb (kg) 20,667 (9,375)	26,104 (11,839)	26,104 (11,839)	34,835 (15,800)
Max. Dig Depth	ft-in (m) 19-10 (6.05)	20-7 (6.3)	21-8 (6.6)	21-8 (6.62)

	JZ235	JS260	JS330	JS360
				
Operating Weight	lb (kg) 49,590 (22,444)	59,450 (25,790)	72,816 (33,029)	82,829 (37,571)
Net Engine Power	hp (kW) 172 (128)	197 (147)	271 (202)	271 (202)
Dipper Options	6-2 (1.9) / 7-10 (2.4) / 9-10 (3.0)	6-0 (2.0) / 10-2 (3.09) / 11-7 (3.53)	7-3 (2.2) / 8-7 (2.63) / 10-7 (3.23) / 13-2 (4.0)	7-3 (2.2) / 8-7 (2.63) / 10-7 (3.23) / 13-2 (4.0)
Machine Variants	DOZER	XD / LONG REACH	XD / LONG REACH	XD / LONG REACH
Max. Dipper Tearout	lb (kgf) 32,210 (14,610)	40,285 (18,272)	44,719 (20,284)	54,893 (24,940)
Max. Bucket Tearout	lb (kgf) 34,835 (15,800)	43,154 (19,574)	43,000 (19,500)	60,296 (27,350)
Max. Dig Depth	ft-in (m) 21-7 (6.57)	23-8 (7.23)	26-11 (8.19)	26-6 (8.0)



STANDARD / HEAVY DUTY BUCKETS

- GP Buckets are available in a variety of widths to increase machine versatility
- A rolled top section increases structural integrity
- Sideplate reinforcement offers additional strength and rigidity
- Replaceable wearparts increase durability and extend the working life



JCB HAMMERS

- Auto stop function ensures no damage to breaker from idle blows
- Silenced as standard for work in urban areas
- Energy recovery gives enhanced performance in hard applications
- JCB Autogrease system fitted to the breaker housing



HYDRAULIC QUICK COUPLERS

- Provides greater safety and less effort for the operator to change buckets and attachments
- Durable design, with hardened steel jaws to minimize wear
- The safety locking pin prevents accidental loss of bucket or attachment



CUTTERS / CRUSHERS

- Supplied with universal jaws as standard with optional steel shear jaws
- Hydraulic speed valves reduce cycle times and ram guards protect piston rods
- Twin ram, single jaw pivot design eliminates displacement forces



DITCHING BUCKETS

- Bolt-on edge available for longer life
- Abrasion resistant "Double Bottom" for longer bucket life
- Center gusset available for most models
- Ideal for storm ditch cleaning applications



MAIN PIN HYDRAULIC THUMBS

- Integrated design on side plates and fingers for greater strength
- Special finger serration for increased holding ability
- Minimal welding required for installation onto the machine
- Linkage allows a rotation (depending on machine make/model) of up to 140° for maximum grappling



CRUSHER BUCKET

- A cost effective solution for turning demolition rubble and site waste into useable material, eliminating hauling and disposal costs
- Powered by the excavator and travels with the excavator
- Eliminates the need to transport, hire or purchase and maintain separate mobile crushing equipment



ROCKWHEEL

- Accurately cuts different materials creating clean trench and tunnel profiles
- Depth and width of cut is also precise reducing excavation and back fill times
- Low vibration levels prevent damage to existing foundations and services
- Exceptionally low noise level makes the attachment ideal for use in urban areas

VALUE ADDED

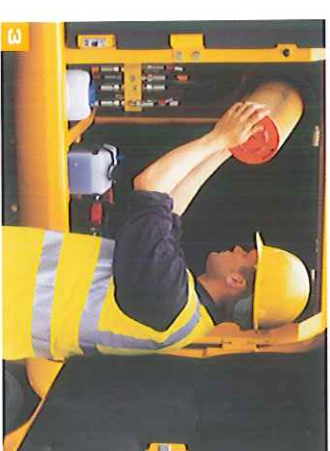
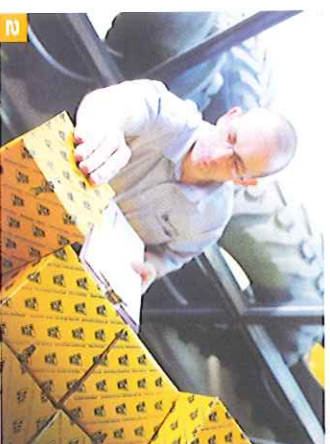
JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.

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 labor 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.



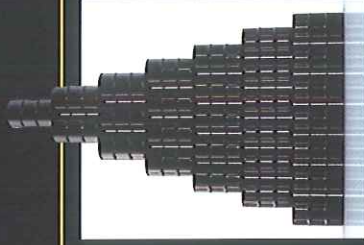
LIVELINK, KNOWLEDGE IS POWER

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, SERVICE DATA AND EVENT HISTORY INFORMATION. ALL YOUR MACHINE INFORMATION IS HANDLED AT A SECURE DATA CENTRE FOR YOUR PEACE OF MIND.

Productivity and cost benefits

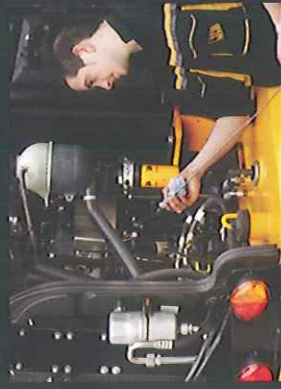
Machine location information can improve fleet efficiency and you may even enjoy reduced insurance costs courtesy of the added security that LiveLink brings.

Note : Please consult your local dealer for LiveLink availability



Maintenance benefits

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.



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.



A few words about JCB



Sir Anthony Bamford, the son of Mr. JCB, still runs the company today.

A family company on a global scale

JCB is no ordinary company. From the dreams of one man, Joseph Cyril Bamford, we have grown into the world's largest privately owned construction equipment company by volume. Since 1945, the same attention to detail, passion for progress and family spirit has taken us from strength to strength. Nowadays, JCB operates across all five continents, manufacturing at 22 factories in the UK, Brazil, Germany, China, North America and India. With 1,500 dealerships and depots selling and supporting our products in over 150 countries, we are one of the top three manufacturers of construction equipment with some of the finest engineering facilities in the world.

A history of world-class innovation

Our business has always been driven by innovation, using only the most advanced technology, components and processes, meticulous design and rigorous testing. Evidence of this doesn't come much more powerful than our revolutionary JCB Dieselmex engine. Having grabbed the headlines when it smashed the world land speed record at 350.092 mph, it is now providing our customers with tomorrow's performance today.

Sustainability in all we do

As a manufacturer of working machinery, operating in both established and emerging markets, we accept the

challenge of helping to deliver economic and environmental sustainability. Product innovations that provide the right solutions to our

customers have been a vital part of our history and will be key to our sustainable future. But in addition to developing cleaner and more efficient machines, we have a commitment to ensuring our manufacturing facilities meet the highest environmental standards.

A commitment to our customers that goes on

That's a fact we remind ourselves of constantly, and it's the reason our customers are at the heart of everything we do. Whatever a customer needs, we make it our mission to provide world-class support and 100% satisfaction. At the heart of this is a dedication to minimizing machine downtime. So our state-of-the-art World Parts Center dispatches more than

a million genuine parts and attachments every week, with an 'Anywhere in 24 hour' strategy. Our JCB-trained technicians provide excellent, expert customer care, whether it's routine servicing or something more urgent.



Almost 1 out of every 2 backhoe loaders sold in the world is a JCB.

1940's

Joseph Cyril Bamford builds his first two-wheeled tipping trailer using a war-surplus Jeep axle and wheels in this rented garage in the United Kingdom.



1950's

JCB continues to expand its product line and moves its factory to larger quarters. By inventing the first backhoe loader, JCB revolutionizes the construction industry by giving contractors access to simple, powerful earthmovers.



1960's

JCB expands its factory, virtually doubling production capabilities. The company launches the forerunner of today's Jet Visit Program, acquiring an airplane and flying in customers for factory tours.



1970's

As demand for JCB products soars, the company exports its machines to Germany, Holland, Italy, Spain and Canada. JCB's Loadall Telescopic Handler revolutionizes the building industry by enabling bricks to be lifted on pallets.





JCB ASSETCARE



EXTENDED WARRANTY PLAN AGREEMENT BOOKLET



ASSETCARE

JANUARY 2015

INTRODUCTION

To safeguard the performance that makes a JCB machine such an asset, JCB has developed the JCB Assetcare program. Assetcare is a range of flexible options that enable the customer to match the highest standard of service care to his individual needs.

By combining the convenience of instantly available programs with tailor-made flexibility, JCB Assetcare makes it easy to find the option that's right for each business and budget.

Whatever level is chosen, our customers can be sure of quality after-sales care provided by JCB's extensive dealer network. For example, JCB dealer factory trained technicians' only use genuine JCB parts and lubricants to maintain genuine JCB performance.

FULL MACHINE COVERAGE

Main Items Covered against manufacture defect include:

Powertrain	Engine (includes Water Pump, Oil Pump and Turbochargers), Axles, Gearboxes, Propshafts, Coolers, Radiators	Transmission,
Electric's	Alternator, Starter Motor, Computer Hardware, Switches, Wiper Motor, Heater, Wiring Harnesses, Instruments	
Hydraulics	Pumps, Motors, Valves, Rams, Steer Pump	
Fuel Injection	Lift Pump, Injection Pump	
Braking System	Valves, cylinders, Pistons, Calipers, Compressor	
Misc.	Bearings, Slew Rings	
Steering	Pumps, Rams, Steer Box, Valves	
Structures	Chassis, Boom, Dipper, Undercarriage, Mainframe, Masts, Loader Arms, Boom Base, Beam, Carriages, Kingpost and Carriage	

FULL MACHINE COVERAGE WHAT IS EXCLUDED? PARTS

Braking System	Hoses, Unions, Discs, Friction and Counter Plates, Brake Pads (including Handbrake)
Electric's	Bulbs, Fuses, Battery (ies), Lamps, Lenses, In cab entertainment units
Fuel Injection	Filters, Injectors
Hydraulics	Hoses, Filters
Miscellaneous	Wiper Blades and Arms, Glass, Seat, Cab Trim, Seat Belts, Weather Strips, Seals, Handles, Locks, Hinges, Mirrors, Bodywork and Paintwork, Boom Wear pads, Pins & Bushes, Rubber Hoses, Pipes and Unions, Air conditioning charge/pressure, Cab Filters, Fork Lift Mast Chains, Lift Forks, Buckets, Teeth, Side cutters, Toeplates, Tow Hitches and Tow Bars, All Attachments fitted to the Dipper, Boom, Loader Arms and 3 Point Linkage
Powertrain	Filters, Rocker Cover Gaskets, Fan belts, Drive Belts, Fans, Dry Plate, Clutches, all Friction and Counter Plates, Exhaust Systems, Control Cables, Heater Hoses, Drive Chains (Robot), Tires, Tubes, Wheels, Track Running Gear and Track Plates, Seals and Gaskets
Working Items	Oils, Grease, Filters, Antifreeze and other fluids. Service items and other components subject to routine maintenance or periodic repair or replacement.

MAJOR COMPONENT PROTECTION PLAN

This plan provides a lower cost option that enables the customer to protect their investment against major failures.

Main Items Covered against manufacture defect include:

Engine	Cylinder Head, Block, Crankshaft, Camshaft, Connecting Rods, Pistons, Timing Gears, Turbo Charger, Water Pump, Flywheel, Mounting Brackets
Axles	Casing, Drive Shafts, Crown Wheel & Pinion, Differential, Planetary Gears, Annulus Ring, Steering Swivels, Internal Axle Bolts
Transmission	Casings, Clutch Housings, Gears, Track Gear Box, Slew Gear Box
Structures	Boom, Dipper, Loader Arms, Mainframe, Kingpost & Carriage, Cab Frame, Revolving Frame, Under Carriage
Valve Blocks	Main Loader Control Valve, Main Excavator Control Valve
Pumps & Motors	Main Hydraulic Pump, Steer Pump, Drive Motors,
Rams	Cylinders, Piston Rods, Piston Head, Gland Bearing, End Cap
Coolers	Radiators, Oil Coolers

All components not specified above are expressly excluded from this Major Component Plan.

With the exception of the above structural components Major component coverage covers those items which are immersed in oil, external items are excluded. Wear items, including but not limited to seals and gaskets are not covered under this agreement.



POWERTRAIN PROTECTION PLAN

This plan provides a lower cost option that enables the customer to protect their investment against major Powertrain failures.

Main Items Covered against manufacture defect include:

Engine	Cylinder Head, Valve train, Block, Crankshaft, Camshaft, Connecting Rods, Pistons, Oil pump, Timing Gears,
Axles	Casing, Drive Shafts, Crown Wheel & Pinion, Differential, Planetary & Sun Gears, Annulus Ring, Internal Axle Bolts
Transmission	Casings, Clutch Housings, Gears, Track Gear Box, Torque converter Pump
Pumps & Motors	Drive Pumps ,Drive Motors

All components not specified above are expressly excluded from the Powertrain coverage Plan.

Powertrain coverage covers those items which are immersed in oil, external items are excluded. Wear items, including but not limited to seals and gaskets are not covered under this agreement.



MACHINERY PROTECTION PLAN WHAT IS EXCLUDED? MISCELLANEOUS

Abuse, Accidental damage
Any additional equipment not of original factory fit
Any modifications required by law
Any repairs covered under any type of insurance
Any modifications to the machine not approved by JCB
Blocked radiators and oil coolers
Build up of carbon deposits
Damage caused by collision
Contamination of fuel and hydraulic systems
Continued use of the machine when a known problem exists
Corrosion
Damage by Fire
Damage by Freezing or Frost and Snow
Damage or defects resulting from the failure to maintain and service the JCB Machine in accordance with JCB's recommendations
Exhaust emission
Improper use of application
Incorrect use of fuel
JCB Machines stored or not used for an extended period
Damage caused by use by an unauthorized or untrained driver / operator
Unreasonable delay in making the JCB Machine available for repair once a problem is identified
Use of non-genuine JCB parts, lubricants and greases
Attachments
Any T.I.'s issued by JCB for your machine group

CUSTOMER OBLIGATIONS

The JCB Machine shall be serviced in accordance with intervals detailed in the operator's handbook and such work shall be carried out by an authorized JCB Dealer.

The JCB Machine shall be driven by authorized and trained drivers only.

The fluid levels and tire pressures shall be adequately maintained.

All daily and weekly checks outlined in the operator's handbook shall be performed.

When the JCB Machine exhibits symptoms of a malfunction or possible malfunction which may adversely affect the JCB Machine, it shall be promptly attended to and reported to the JCB Dealer.

If any defect or failure occurs in the JCB Machine you shall take all reasonable measures to minimize the occurrence of any damage.

As and when requested by the JCB Dealer, you shall furnish proof of the hours worked by the JCB Machine.

The JCB Dealer shall be immediately informed should the hour meter or other instrument used for measuring hours worked by the machine fail to operate.

JCB and any authorized JCB Dealer shall be permitted to inspect and check at any time, the hour meter reading and its operation.

All coolers and radiators shall be regularly cleaned.

All driveshafts shall be protected against foreign material wrapping around them as required.

You shall pay for all costs arising from the JCB Machine running out of fuel, fuel waxing or contamination.

You shall pay for any costs of the repair or replacement of parts in circumstances mentioned in the exclusions section, which are not the responsibility of JCB or the JCB Dealer.

Arrangements shall be made for all periodic examinations and certification required by law to be carried out.

Attachments fitted to the JCB Machine shall only be those approved by JCB, and that any damage or malfunction as a result of poor fitment or incorrect matching of attachments to the JCB Machine shall be your responsibility

NEW



COMPACT EXCAVATOR | 48Z-1/55Z-1/57C-1

Operating weight: 10,564/11,860/12,087 lbs Net engine power: 44.8/48.3HP

JCB

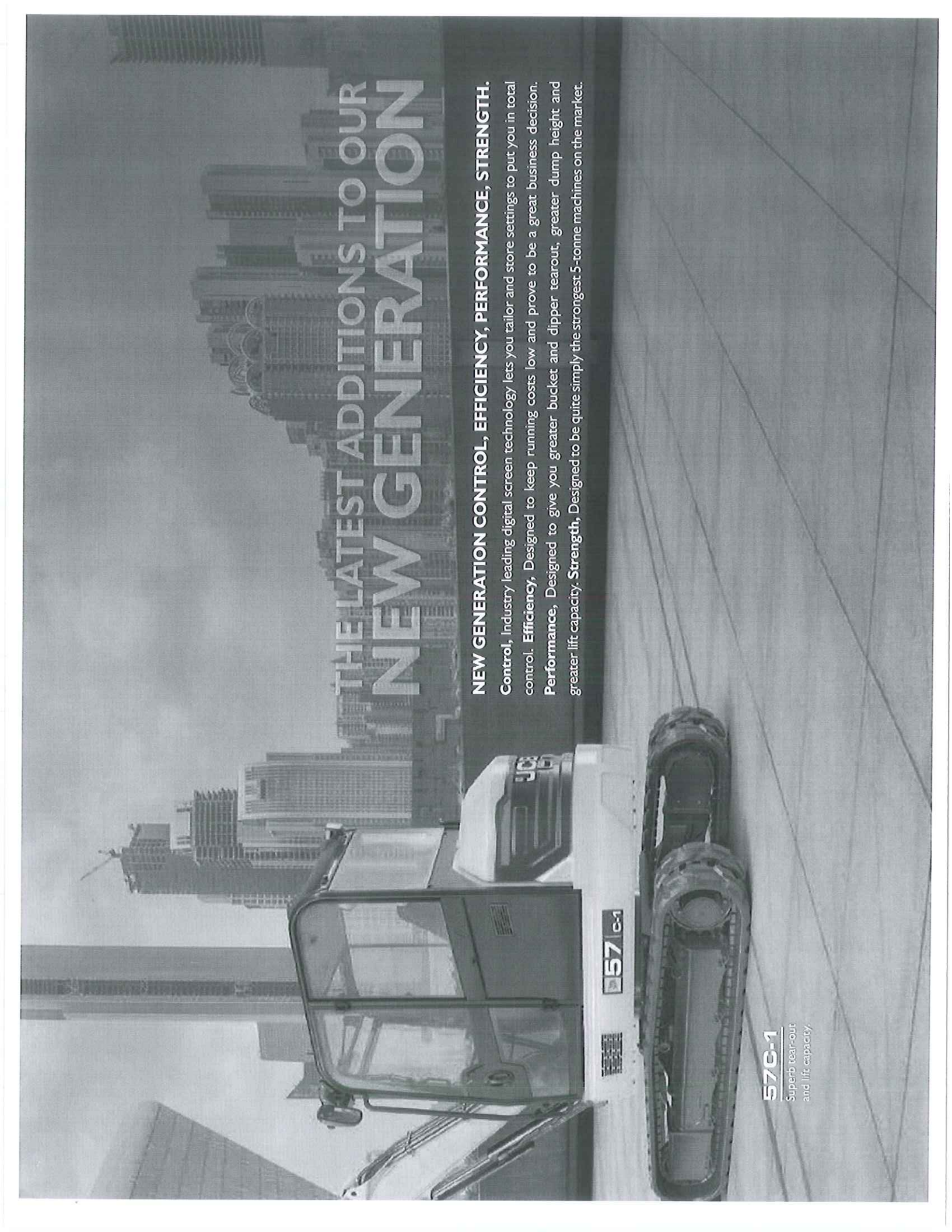


55Z-1

100% steel
body work and
simplified H-frame
undercarriage.

48Z-1

Best-in-class 500
hour greasing
intervals.



THE LATEST ADDITIONS TO OUR NEW GENERATION

NEW GENERATION CONTROL, EFFICIENCY, PERFORMANCE, STRENGTH.

Control, Industry leading digital screen technology lets you tailor and store settings to put you in total control. **Efficiency**, Designed to keep running costs low and prove to be a great business decision. **Performance**, Designed to give you greater bucket and dipper tearout, greater dump height and greater lift capacity. **Strength**, Designed to be quite simply the strongest 5-tonne machines on the market.

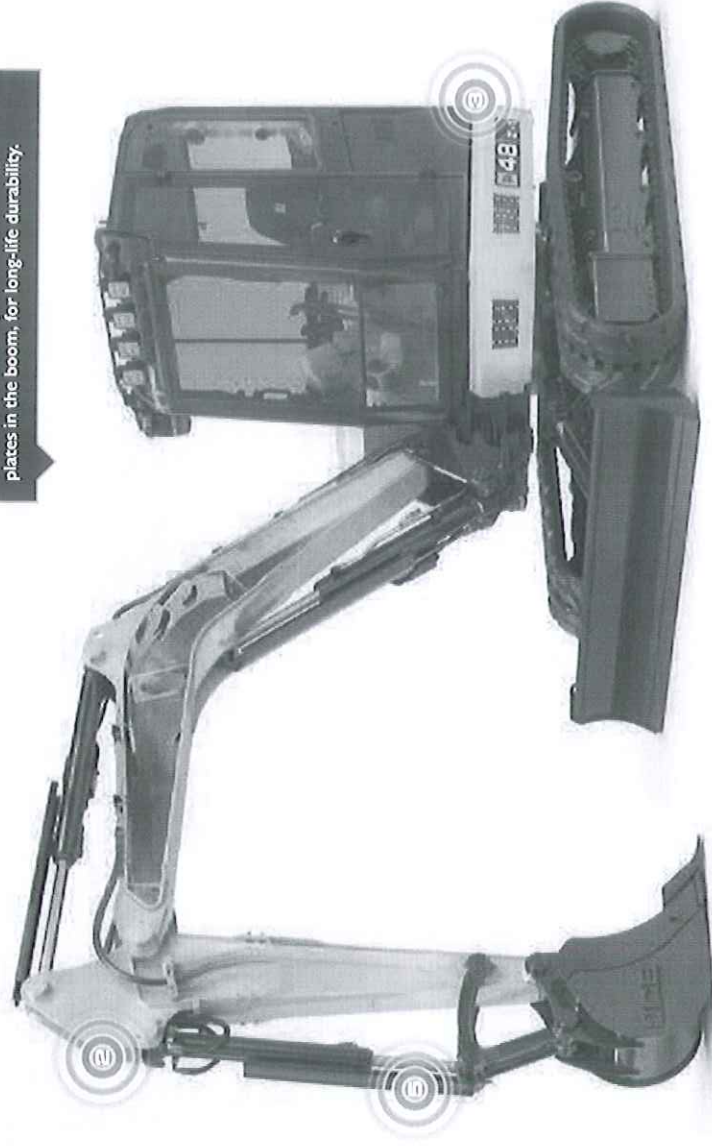
570C-1

Superb rear-out
and lift capacity.

NEW GENERATION STRENGTH.

TRACKED EXCAVATORS HAVE BEEN A PART OF THE JCB MANUFACTURING FAMILY FOR OVER 50 YEARS. WITH ALL THIS EXPERIENCE AND INSIGHT, OUR LATEST COMPACT EXCAVATORS HAVE BEEN DEVELOPED TO EXCEED OUR CUSTOMERS' STANDARDS. THEY ARE QUITE SIMPLY THE STRONGEST AND HIGHEST PERFORMING NEXT GENERATION OF MACHINES WE'VE EVER BUILT.

Our fully robot welded boom and arm are made of high tensile strength steel, with internal baffle plates in the boom, for long-life durability.



The toughest form.

- 1 With a finite element analysis-designed heavy duty structure as well as simplified H-frame construction, the undercarriages of these compact excavators are both durable and confidence-inspiring.
- 2 Our clean four-plate arm design provides added structural strength and durability.
- 3 There are no longer any plastic external body panels on our new machines; instead they have 100% high strength pressed steel bodywork.

Dig end durability.

- 4 The optional heavy duty swingbracket features durable re-bushable pivots to optimize service life on our new machines. It also provides a safe route for all excavator hoses.
- 5 The heavy duty boom cylinder guard and optional arm and crowd ram guards give maximum excavator arm protection, even during the toughest jobs.



Quality componentry.

- B** Fold back your cab door and you'll see that it fits snugly within the counterweight length. This keeps it out of harm's way throughout the machine operation.
- Z** The hydraulic system boasts the latest industry technology "O-Ring Face Seal" (ORFS) hydraulic fittings, providing excellent sealing capabilities.
- B** High quality 400mm rubber tracks with interlocking links will perform in even the most laborious applications. Specify our 400/550mm steel tracks and you'll find they're pre-drilled to make it easier to attach rubber pads. You can also opt for dedicated Road Liner Pads (Bridgestone GeoGrip™), which allow you to replace individual segments should you require.
- B** We only use trusted premium manufacturers including JCB Diesel by Kohler engines, Nachi and Bosch-Rexroth hydraulic components and Bridgestone tracks.



NEW GENERATION CONTROL.

**HIGH PRODUCTIVITY
TO US MEANS HAVING
A COMFORTABLE
ENVIRONMENT. THAT'S WHY
OUR NEW RANGE FOCUSES
ON COMFORT AND EASE OF
USE, MAKING OUR JCB A
GREAT PLACE TO WORK.**

Our new deluxe fully adjustable suspension seating provides great operator comfort; our heated air suspension option, meanwhile, has independent adjustable positions for the ultimate in ergonomics.

Comfort and control.

- 1** These compact excavators have an even more spacious cab than before, with storage galore: a phone tray, storage net and a cup holder. The whole area is accessed easily and safely via a large door.
- 2** A radio, 12V phone charger, powerful heater with window de-mister and a high performing air conditioning system* with 8 vents completes the picture.
- 3** The innovative new rotary controller and the easy touch switches, have been thoughtfully designed for operational ease of use.
- 4** With ergonomic electro-hydraulic dozer control as standard, operators can achieve smooth and precise grading control.
- 5** You can alternate quickly between single and double-acting auxiliary flow thanks to a convenient switch in the cab.

*Air conditioning optional.

Superior instrumentation.

A The new machines now have the latest industry technology of digital screens available in the operating station. With a simple user interface, customizable home screen and specific diagnostic information, you are sure to find it a helping hand at work.

Z For increased safety, the JCB immobilizer eliminates the possibility of an unauthorized start. Having LiveLink* on the compact excavators will allow you to set a geolence and machine working restrictions.

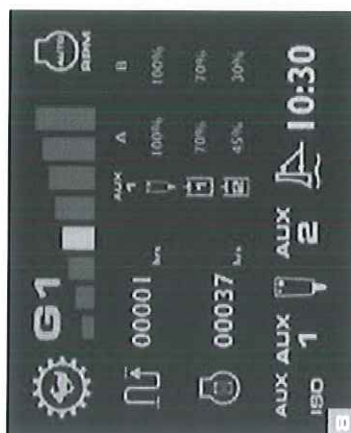
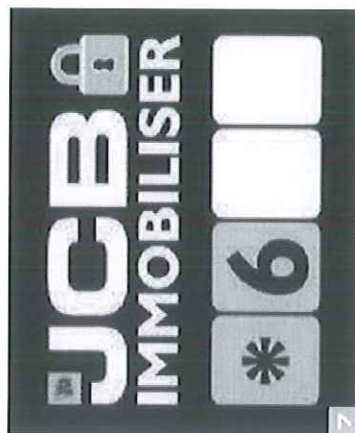
A key benefit of the LiveLink and Immobilizer combination is the remote pin code management system, which allows you to remotely authorize or deny the usage of the machine. Up to 14 individual pin codes can be programmed into the system, offering the option to Customize operator preferences by embedding a separate auxiliary mode in each code.

B You can easily adjust and programme flow settings for specific attachments, with a built in memory to store your settings so that they can be easily retrieved between jobs.

Information such as service and machine diagnostics help the operator to keep on top of the status of the machine. Alerts and service interval countdowns will keep you up to date, and always one step ahead of the possibility of downtime.

B Live readings of fuel consumption gives the operator an idea as to how the machine is performing at any stage of application.

* Refer to the Standard and optional equipment table.



The switch panel and monitor are fitted with clearly identifiable, easy touch buttons.



NEW GENERATION PERFORMANCE.

THE LATEST COMPACT EXCAVATORS CONTINUE WITH THE NEW GENERATION LOOK AND FEEL. THIS MEANS THEY INCLUDE ALL OUR NEW INNOVATIVE DESIGN FEATURES, MAKING THEIR VERSATILITY AND PRODUCTIVITY, BEST IN CLASS.

Potent performance.

1 The new range has a JCB Diesel by Kohler common rail Stage IIIB/Tier 4 final compliant engine. This boasts DOC, turbocharger and intercooler. Power is increased to 48HP at just 2000rpm, and there's 22 lb-ft of torque.

2 Tracking performance is smooth and precise, ensuring high dozer capabilities and fast travel times. To increase productivity, our auto kickdown motors automatically adapt to changes in terrain increasing productivity and reducing operator fatigue.

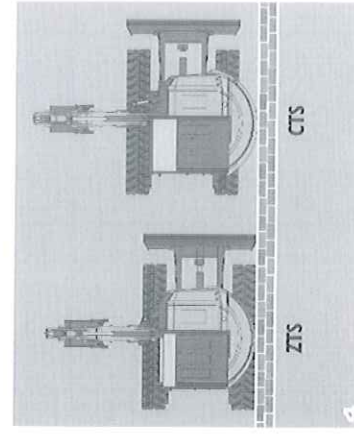
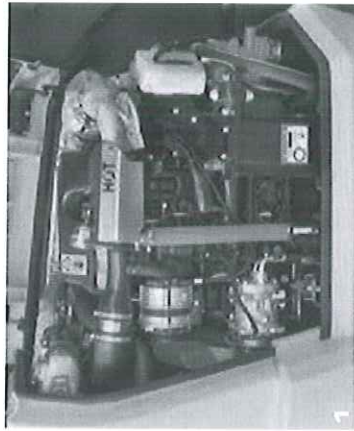
Digging down.

3 These machines produce dipper tearout forces of up to 6519 lbf tearout; combined with fast cycle times, this enables unrivalled productivity. By perfectly matching our boom and arm, we've created optimal dig end geometry, helping you to work and load in confined areas with ease.

ZTS or CTS?

4 We offer zero turn and conventional tailswing configurations, but choosing the right one for you depends on your application. CTS gives greater stability, lifting capacity and a larger dig end. ZTS offers more manoeuvrability (especially in confined spaces) because there is no overhang for the ZTS.

Bucket rotation is a huge 181°, offering great spoil retention during truck loading. Choose a arm length to suit your application – from 5.4 ft- 7.3 ft, providing total versatility.





Hydraulic innovation.

- 4 A premium closed center hydraulic system provides improved flow sharing for smooth, precise and balanced operation during multi-functioning.
- 5 The programmable twin auxiliary lines provide high and optional low hydraulic flows to operate an array of attachments, increasing the machines versatility. Both auxiliary lines are electrically proportional controlled and fully adjustable for optimum attachment control.

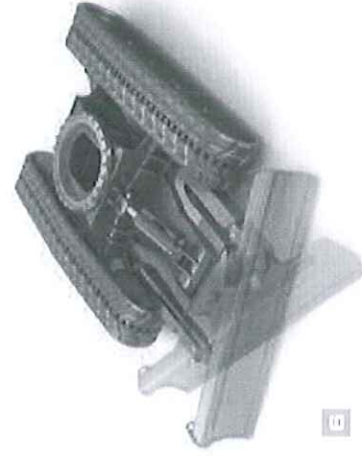
- 6 The optional 4-way dozer can be angled right and left which, combined with the dozer-float function makes levelling and backfilling work incredibly easy, even on inclines and uneven terrain.

Versatility attached.

- 7 You can now choose from a range of JCB's eco buckets, designed with fuel saving in mind. Our attachments provide ultimate performance, full JCB warranty compliance and optimum fit and operation.
- 8 Our factory-fitted hydraulic 'quick coupler' is an option to add to your machine, which is an increased benefit for changing attachments quicker.

A tilt rotate ready installation is optional, for increased productivity and versatility.

Our hydraulic 'quick coupler' is capable of picking up a range of bucket pin centers, making it compatible with your existing fleet of attachments from most excavator manufacturers in this weight class.



NEW GENERATION SAFETY.

OUR NEW COMPACT EXCAVATORS OFFER SAFETY AS FIRST PRIORITY, TO THE OWNER, OPERATOR, BYSTANDERS AND THE MACHINE ITSELF. WITH MAXIMUM SAFETY, DOWNTIME IS MINIMIZED THANKS TO OUR NEW DEVELOPMENTS.

Maximum protection.

- 1 The new compact excavators cabs are fully ROPS and TOPS compliant, for increased protection to the cab and operator: opt for the impact protection glass on the new machine.
- 2 JCB's safety lever lock fully isolates hydraulic functions to prevent unintended movement.
- 3 Our unique 2GO system ensures your compact excavator hydraulics can only be operated in a safe lockable position via two separate inputs.

As an optional safety feature, hydraulics can only be activated when the operator is seated and the seatbelt is worn.

- 4 Optional (territory dependent) boom, dozer and arm hose burst check valves (HBCVs) with an overload screen display makes operation safer.
- 5 Overload screen displays a bar chart from green to red to indicate if the overload point is close or has been passed. Once passed, the buzzer sounds and the bar flashes to warn the operator.



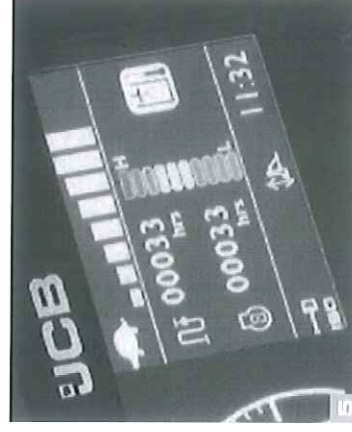
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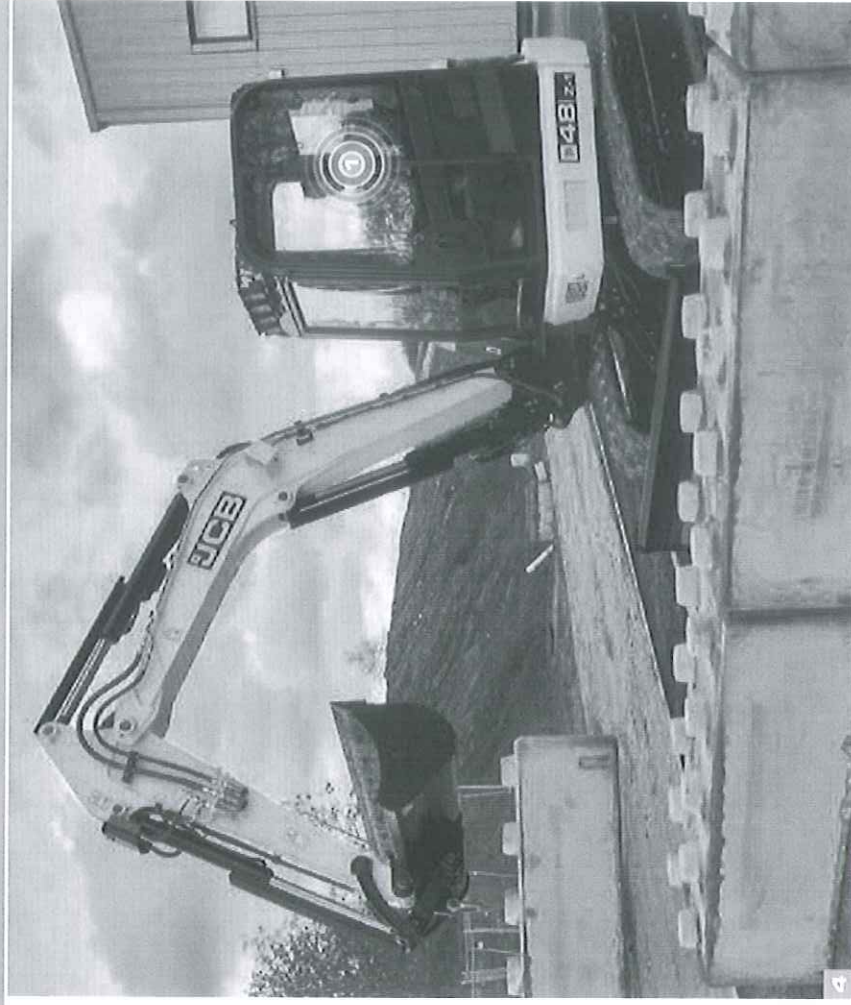
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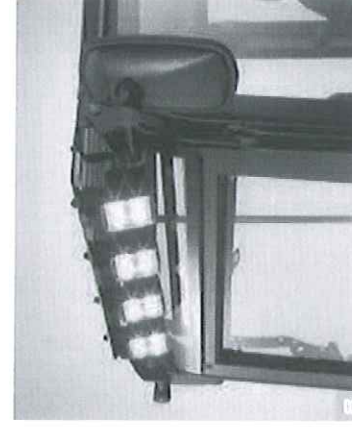
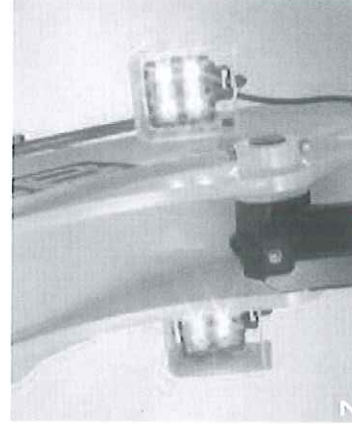
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4

Safely does it.

- B** Large track frame width and a low center of gravity helps to ensure that stability is maximized on the machines.
- Z** Standard boom and optional workload guards offer greater protection for vulnerable components in hazardous applications.
- B** 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.
- B** These machines offer greater visibility than our outgoing models, thanks in part to a 70/30 front screen split: for easy, safe trench digging and manoeuvring.

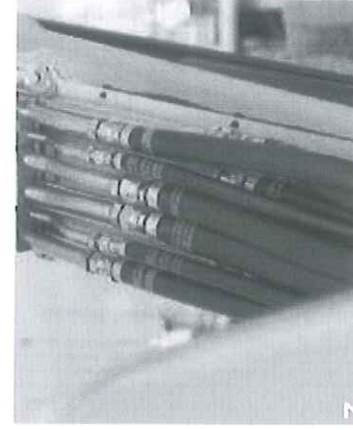
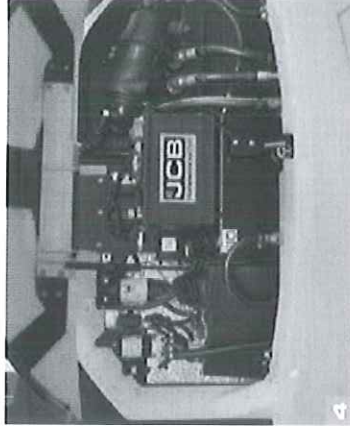
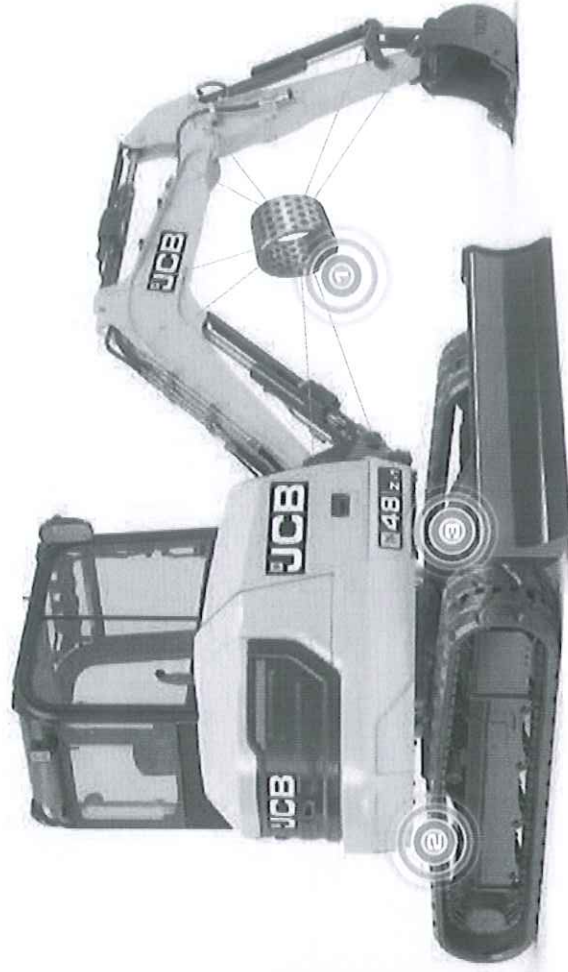


NEW GENERATION SERVICE.

A JCB COMPACT EXCAVATOR IS DESIGNED TO BE AS PRODUCTIVE AS POSSIBLE. DOWNTIME IS MINIMIZED IN EVERY WAY, INCLUDING THE TIME IT TAKES TO CARRY OUT MAINTENANCE.

At your service.

- 1 Graphite impregnated bronze bushes allow best-in-class greasing intervals of 500 hours.
- 2 An open frame undercarriage with sloping track legs makes cleaning easier.
- 3 Dozer hoses are easy to replace because they terminate at the bulkhead.
- 4 The wide-opening steel hood and external fuel indicator make it easy to fill the tank from ground level. Opt for a refueling pump with auto stop function to reduce spillages and increase safety.
- 5 Removing the cab floor is easy to do, and affords access to many key components like the main control valve spools.
- 6 You can remove the floor mat easily for cleaning, while anti-slip cast tread plates provide safe access and bodywork protection.
- 7 Boom swing and auxiliary controls are mounted on the joystick to increase floor space; the track pedals fold up to provide even more.
- 8 These machines feature color-coded hydraulic hoses for easy identification.

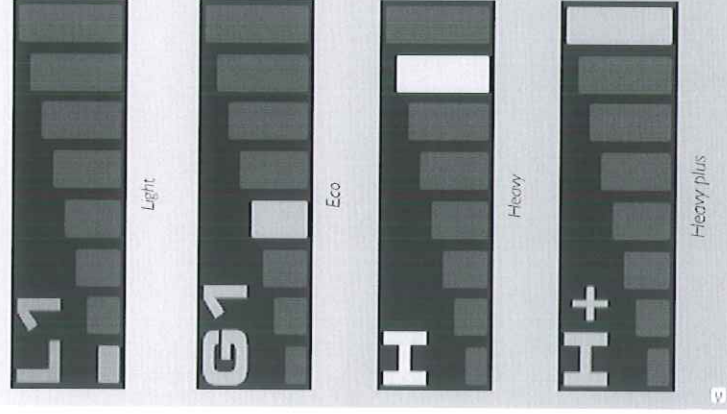
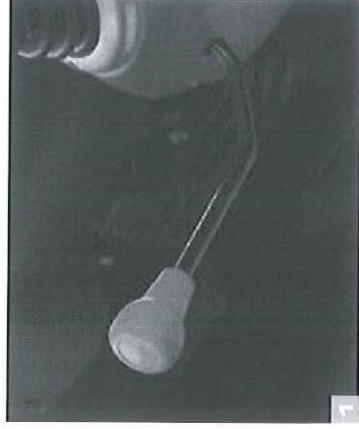


NEW GENERATION EFFICIENCY.

ULTIMATELY, COST OF OWNERSHIP IS PERHAPS YOUR PRIMARY CONCERN AS A BUSINESS. SO YOU'LL BE PLEASED TO KNOW THAT THE NEW JCB 48Z-I, 55Z-I AND 57C-I HAVE BEEN DESIGNED TO KEEP RUNNING COSTS AS LOW AS POSSIBLE.

Dynamic engine design.

- 1 Our below idle feature means that engine revs are reduced even further when the operators armrest is raised. Fuel economy and noise levels are both improved.
 - 2 Activate 'One-Touch-Idle' by pressing the new rotary controller dial. Just another way of reducing engine revs quickly and conserving fuel.
- Our programmable auto idle can be activated between 2 and 30 seconds after the controls have been inactive, to offer increased fuel efficiencies.
- 3 Control your engine speed with four different power bands to easily toggle through and set to optimum hydraulic flows. This includes light, eco, heavy and heavy plus, all of which can be tailored to suit your application.
 - 4 The patented low pressure return line circuit further improves fuel efficiency, because the pump does not need to overcome as high a pressure before any work can be done.

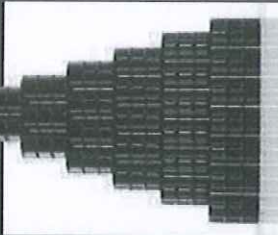


LIVELINK, WORK SMARTER.

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 CENTER.

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.



LIVELINK

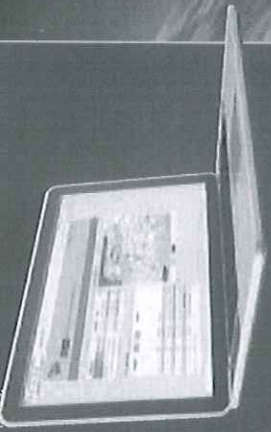
Maintenance benefits

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.



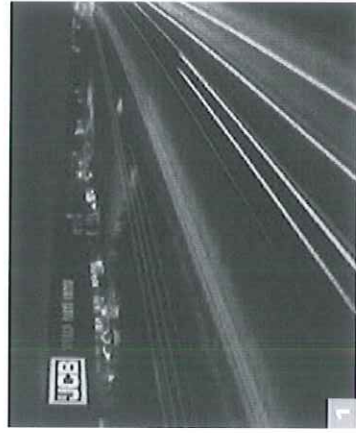
Security benefits

LiveLink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorized usage. Further benefits include real-time location information, advanced ECU matching (pairs LiveLink with the immobiliser or ECU), and PIN code management (to remotely authorize 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.

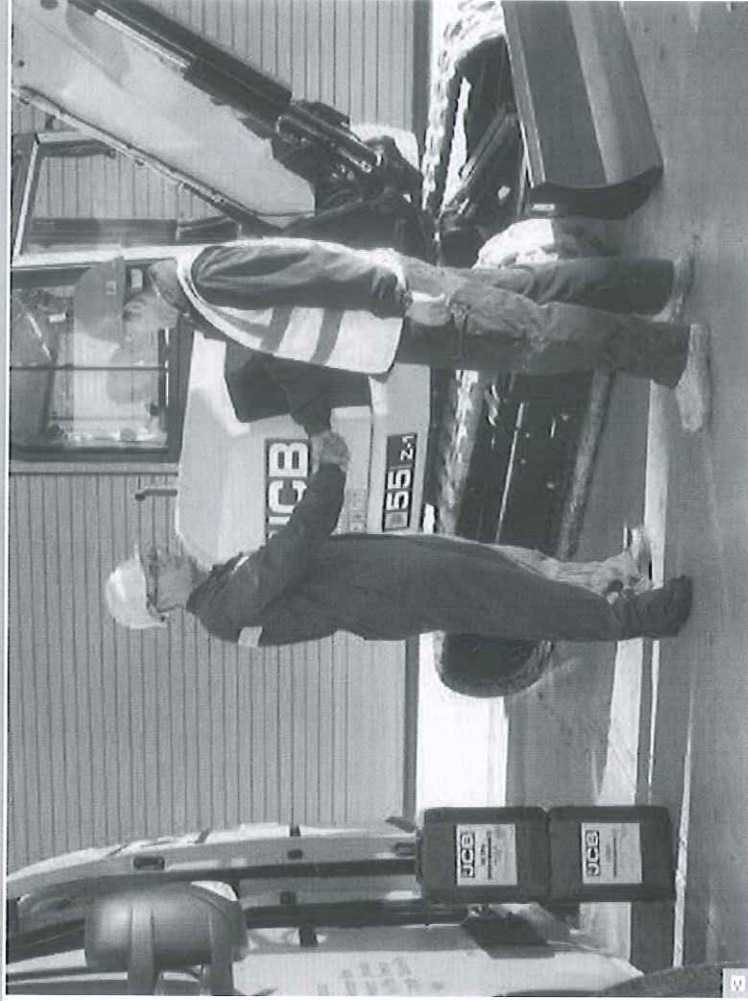


1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

2 The global network of JCB Parts Centers 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.

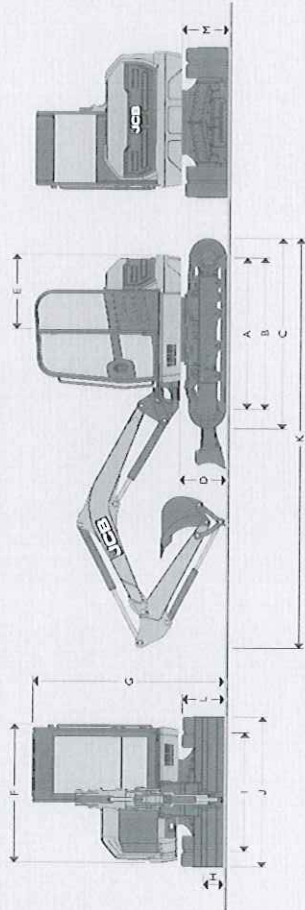


3 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast,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



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

STATIC DIMENSIONS



Machine model	48Z-I	55Z-I	57C-I
A Sprocket idler centers	ft-in	6-6	6-6
B Track length on ground	ft-in	6-6	6-6
C Undercarriage overall length - rubber	ft-in	8-2	8-2
C Undercarriage overall length - steel	ft-in	8-2	8-2
D Kingpost clearance	ft-in	2-0	2-0
E Tailswing radius	ft-in	3-3	4-3
F Overall width of superstructure	ft-in	5-11	6-0
G Height over cab	ft-in	8-4	8-4
H Ground clearance	ft-in	1-0	1-0
I Track gauge	ft-in	5-1	5-1
J Width over tracks	ft-in	6-4	6-4
K Transport length with standard dipper	ft-in	17-6	18-1
L Track height	ft-in	1-10	1-10
M Counterweight clearance	ft-in	2-0	2-0

ENGINE

Machine model	Standard
Model	48Z-I, 55Z-I, 57C-I
Fuel	Tier 4 Final KDI 1903
Cooling	Diesel
Gross power ISO 14396	Water cooled
Net power	48.3 (@ 2200rpm)
Gross torque ISO 14396	44.8 (@ 2200rpm)
Displacement	225 (@ 1500rpm)
Gradability	1903
Starter motor	30
Battery	12V / 75Ah
Alternator	amps (Air con)

UNDERCARRIAGE

Machine model	48Z-I	55Z-I	57C-I
No. of top rollers		1	
No. of bottom rollers		4	
Track width rubber (STD)	mm	400	
Track width steel	mm	400	
Ground bearing pressure (400mm tracks)	psi	4.2	5.1
Ground bearing pressure (550mm tracks)	psi	3.1	3.7
Track tensioning		Grease	
Travel speed - low	mph	1.8	
Travel speed - high	mph	2.8	
Tractive effort	lbf	8025	8992

HYDRAULIC SYSTEM

Machine model	48Z-I	55Z-I	57C-I
Pump	cc	63	
Nominal output @ 2000rpm	gpm	33.2	
Excavator/track main relief pressure	psi	3480	3843
Slew main relief pressure	psi	3133	
Auxiliary hydraulic pressure (Low)	psi	3132	
Auxiliary hydraulic pressure (High)	psi	2755	
Auxiliary hydraulic flow (Low)	gpm	10.6	
Auxiliary hydraulic flow (High)	gpm	23.7	
Hydraulic pump		Piston	

WEIGHTS

Machine model	48Z-I	55Z-I	57C-I
Operating weight* (400mm rubber tracks)	lbs	10564	12087
Shipping** weight (400mm rubber tracks)	lbs	10277	11801
With FOGs guard - stage 1	lbs	+ 35	
Aircon (includes FOGs guard-stage 1)	lbs	+ 134	+ 145
With steel tracks (400mm)	lbs	+ 339	
With steel tracks (550mm)	lbs	+ 608	
With Geo grip tracks (400mm)	lbs	+ 388	
With 4 way dozer	lbs	+ 482	
Hydraulic quickknitch installation weight	lbs	+ 159	

* Operating weight to ISO 6016 including cab, rubber tracks, standard arm, 600mm bucket, full tanks and a 165 lbs operator.
 ** Shipping weight to ISO 6016 is mass of the base machine without an operator, with the fuel level at 10% of tank capacity.

SERVICE CAPACITIES

Machine model	48Z-I	55Z-I	57C-I
Fuel tank	gal	20	
Engine coolant	gal	Tier 4i: 2.4	
Engine oil	gal	Tier 4i: 2.1 max	
Hydraulic system	gal	26.4	29.5
Hydraulic tank	gal	14.5	16.4

OPERATOR ENVIRONMENT

Machine model	48Z-I	55Z-I	57C-I
Cab/canopy height	ft-in	8-4	
Cab/canopy height with FOGS guard LEVEL 1	ft-in	8-4	
Cab/canopy length	ft-in	4-2	4-10
Cab/canopy width	ft-in	3-4	
Door aperture width	ft-in	1-9	1-11

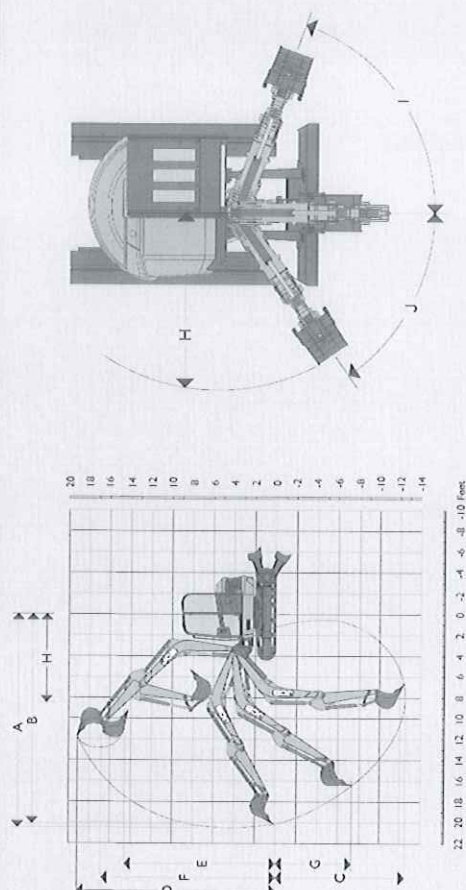
STANDARD EQUIPMENT

Fully glazed ROPS & TOPS certified cab with programmable intermittent wiper with wash/wipe, 3 speed heater/demister with 4 adjustable air vents, Color LCD display, Digital clock, Internal lockable toolbox. Cup holder. Coat hook, storage net, 12v accessory socket, Interior light, full audio/visual warning systems, Auto idle throttle, Below idle system, one touch idle, 4 power bands(light, eco, heavy & heavy plus), ISO servo controls with electro hydraulic dozer lever. Electro-proportional thumb controlled high flow single acting auxiliary, 10 selectable auxiliary flow rates, joystick mounted hammer switch, Neutral start, Full control isolation, "2GO" hydraulic isolation, Midback suspension seat, removable floor mat, Beacon ready kit, Two speed tracking, Auto-kickdown track motors, 400mm short pitch rubber tracks, Double element air cleaner, Heavy-duty alternator, Heavy-duty battery, Hydraulic slew braking with disc type park brake, OHS hydraulics, Color coded hydraulic hoses, 500 hour dig end greasing intervals, Heavy duty boom cylinder guard, Protected boom worklight, Quick release auxiliary couplers, 100% steel bodywork, dedicated tie down and lifting points, JCB LiveLink.

OPTIONAL EQUIPMENT

Air-conditioning with 8 adjustable air vents, Adjustable sunblind, FOPS guard stage 1, 400mm or 550mm steel tracks, 400mm Geo GripRoad Limer tracks, Fan guards, Battery isolator (standard for EU), High back seat or deluxe heated high back air-suspension seat, Radio installation, Electro-proportional thumb controlled low flow auxiliary, Hose burst check valve lifting kit (dozer, boom & dipper). Bucket-to-grab change over valve, Mechanical quick coupler, Hydraulic quickhitch, Hydraulic quickhitch ready pipework, General purpose digging eco buckets, Ditch/grading eco buckets, Hydraulic hammers, Rotating/strobe beacon, Travel alarm, Toolkit, Greasegun & cartridge, Fire extinguisher, Exterior cab mounted mirrors, Interior mirror, Electric retubing pump, JCB immobilizer (Unique key or keypad system), Dozer float, 4-way angled dozer blade, Dual pattern controls (ISO/SAE change over), Thumb ready dipper, Special paint options, LED or Halogen worklights (either with follow me home function), ROPS & TOPS certified canopy, Tilt, rotate ready installation, Media socket, Radio ready kit, Worklight guards (cab), Arm/crowd Ram guards, Rearview camera, Rearview angled mirror, JCB impact protection front screen, Bushed kingpost, Electronic single-double acting change over valve, JCB LiveLink.

WORKING RANGE



	48Z-I	55Z-I	57C-I
Arm length	ft-in		
Boom length	ft-in	5-1	5-11
A	ft-in	20-0	20-6
B	ft-in	19-8	20-1
C	ft-in	11-9	12-7
D	ft-in	12-7	13-4
E	ft-in	18-6	19-2
F	ft-in	14-0	14-7
G	ft-in	16-3	16-10
H	ft-in	6-8	7-4
I	ft-in	8-7	8-6
J	ft-in	7-1	7-0
Boom swing left	degrees	70	
Boom swing right	degrees	55	
Bucket rotation	degrees	181	
Arm rotation	degrees	121	
Bucket tearout	lb	9442	
Arm tearout	lb	6519	5845
Slew speed	rpm	8.3	

DOZER

Machine model	48Z-I	55Z-I	57C-I
Dozer length	ft-in	3-8	
Maximum height above ground	ft-in	1-5	
Dig depth below ground	ft-in	1-6	
Approach angle	degrees	31	
Width	ft-in	6-5	
Height	ft-in	1-3	

LIFT CAPACITIES - 400MM RUBBER TRACKS, 2700MM BOOM, 1450MM ARM, NO BUCKET.

LIFT CAPACITIES – 400MM RUBBER TRACKS, 2700MM BOOM, 1450MM ARM, NO BUCKET.																				48Z-I
Load Point	6' 6"				9' 10"				13' 1"				16' 4"				Capacity at maximum reach			
																				
Height	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Distance	
ft-in	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	ft-in	
13-2																			12-9	
11-6																			14-1	
9-10																			15-1	
8-2																			15-9	
6-7																			16-3	
4-11																			16-6	
3-3																			16-7	
1-7																			16-5	
0																			16-0	
-1-7	4354*	4354*	1415	2531	4594*	1590	1627	3040*	1052										15-6	
-3-3	5496	5498*	1425	2535	4332*	1594	1612	3009*	1038										14-8	
-4-11	5549	6408*	1444	2610	3086*	1660	1638	2403*	1065										13-5	
-6-7	5002*	5002*	1476																11-9	
-8-2																			9-3	

LIFT CAPACITIES - 400MM RUBBER TRACKS, 2866MM BOOM, 1570MM ARM, NO BUCKET.

LIFT CAPACITIES – 400MM RUBBER TRACKS, 286MM BOOM, 1570MM ARM, NO BUCKET.																			55Z-I	
Load Point	6' 6"				9' 10"				13' 1"				16' 4"				Capacity at maximum reach			
																				
Height	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Digger Up	Digger Down	Over Side	Distance	
ft-in	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	ft-in	
14' 9"																				
13' 2"							2335	2989*	1627							2425*	2425*	1799	12-3	
11' 6"							2337	2915*	1629							2070	2152*	1356	13-9	
9' 10"							2313	3016*	1607							1779	1995*	1228	15-2	
8' 2"							2271	3232*	1570							1598	1916*	1096	16-1	
6' 7"						2518	2218	3521*	1521	1548		1058	1479	1894*	1008	1479	1894*	1008	16-7	
4' 11"						2392	2158	3832*	1466	1530		1043	1402	1942*	780	1402	1942*	780	17-2	
3' 3"						2255	2103	4114*	1415	1508		1021	1358	2006*	913	1358	2006*	913	17-4	
1' 7"						2141	2055	4321*	1371	1484		999	1334	1969*	893	1334	1969*	893	17-5	
0						2066	2122	4416*	1340	1464		979	1340	2167*	895	1340	2167*	895	17-3	
-1' 7"	5192*	5192*	3887	3122	6759*	2022	2000	4381*	1321	1448		966	1371	2249*	913	1371	2249*	913	17-0	
-3' 3"	6720	7368*	3904	3122	6596*	2004	2000	4381*	1321	1444		961	1437	2509*	957	1437	2509*	957	16-4	
-4' 11"	6766	9035*	3940	3122	6230*	2004	1993	4182*	1316	1444			1545	2679*	1029	1545	2679*	1029	15-6	
-6' 7"	6843	7491*	3999	3139	5644*	2017	2004	3761*	1325	1444			1728	2956*	1173	1728	2956*	1173	14-5	
-8' 2"	5146*	5146*	4096	3177	4758*	2053	2048	2842*	1356	1444			2041	2815*	1362	2041	2815*	1362	13-1	
						2116										2458*	2458*	1786	11-1	

Lift capacity over front.

Lift capacity full circle.

Notes:

- Lifting capacities are based on ISO 10567, that is, 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
- A bucket must be fitted when lifting; the weight of this bucket must be deducted from the above lift capacities.
- Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES — 400MM RUBBER TRACKS, 2865MM BOOM, 1820MM ARM, NO BUCKET

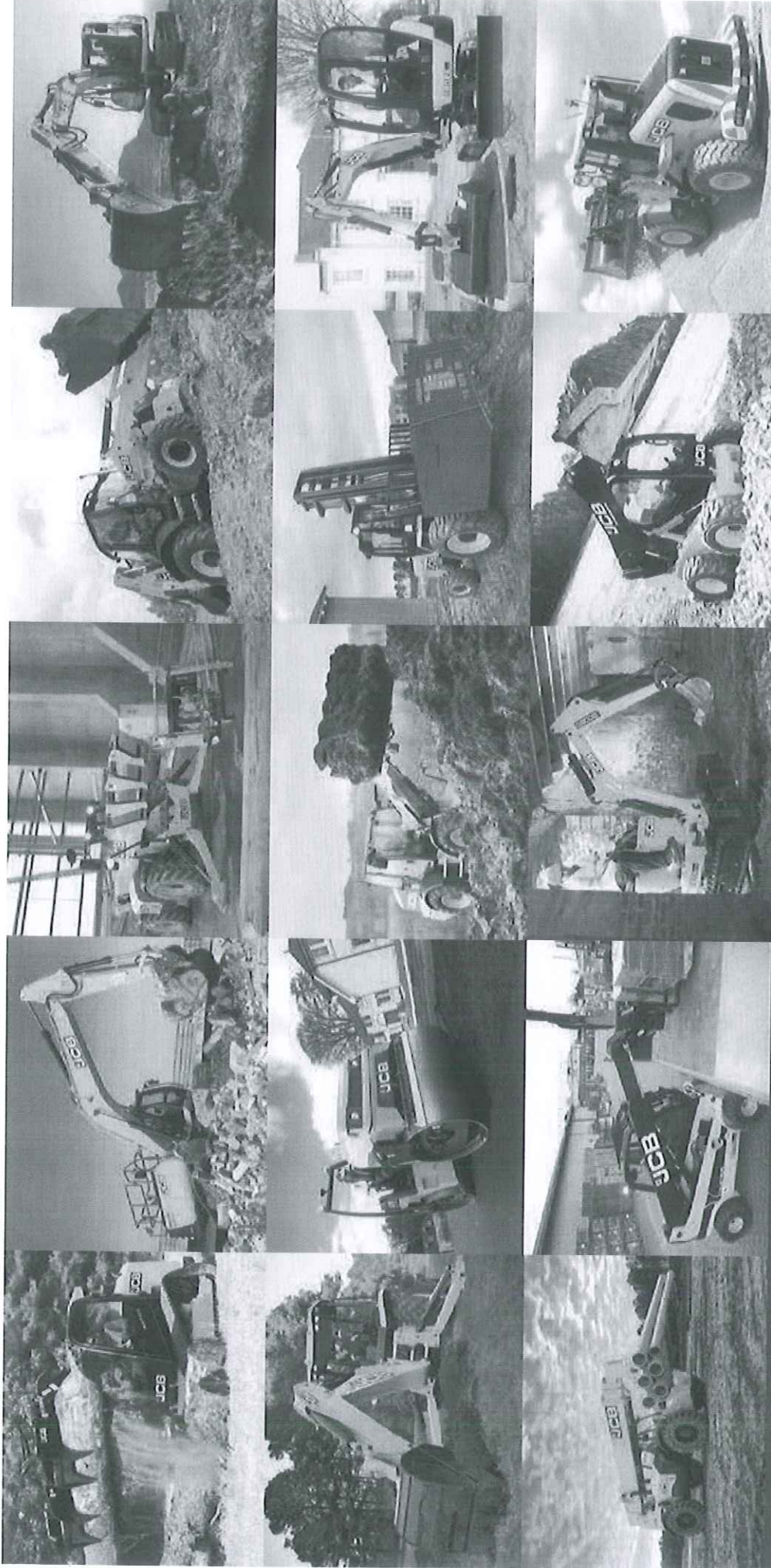
LIFT CAPACITIES – 400MM RUBBER TRACKS, 2866MM BOOM, 1820MM ARM, NO BUCKET.																	57C-1
Load Point	6' 6"			9' 10"			13' 1"			16' 4"			Capacity at maximum reach				
	 Dozer Up lbs	 Dozer Down lbs	 Over Side lbs	 Dozer Up lbs	 Dozer Down lbs	 Over Side lbs	 Dozer Up lbs	 Dozer Down lbs	 Over Side lbs	 Dozer Up lbs	 Dozer Down lbs	 Over Side lbs	 Dozer Up lbs	 Dozer Down lbs	 Over Side lbs		
Height ft-in																	Distance ft-in
14' 9"														1949*	1949*	1949*	13-1
13' 2"														1821*	1821*	1649	14-7
11' 6"														1706*	1706*	1444	15-9
9' 10"														1660*	1660*	1312	16-7
8' 2"														1600*	1600*	1310	17-3
6' 7"														1576*	1576*	1157	17-8
4' 11"														1579	1695*	1124	17-10
3' 3"														1554	1658*	1105	17-11
1' 7"														1559	1709*	1105	17-10
0														1594	1845*	1127	17-6
-1' 7"	5280*	5280*	5280	7039*	7039*	7039	7039*	7039*	7039	7039*	7039*	7039	7039*	2030*	2030*	1173	16-11
-3' 3"	7968	8516*	8516	3741	5692*	5692	3741	5692*	5692	3741	5692*	5692	3741	2176*	2176*	1248	16-3
-4' 11"	8038	8135*	8135	3770	5004*	5004	3770	5004*	5004	3770	5004*	5004	3770	2498*	2498*	1373	15-3
-6' 7"	6248*	6248*	6248	3827	3915*	3915	3827	3915*	3915	3827	3915*	3915	3827	2238	2725*	1574	13-11
-8' 2"	3437*	3437*	3437											2538*	2538*	1947	12-1
-9' 10"														1947*	1947*	1947*	9-6

Lift capacity over front.

Lift capacity full circle.



- Notes:
- Lifting capacities are based on ISO 10567, that is 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
 - Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
 - A bucket must be fitted when lifting; the weight of this bucket must be deducted from the above lift capacities.
 - Lift capacities may be limited by local regulations. Please refer to your dealer.



ONE COMPANY, OVER 300 MACHINES.

Compact Excavator 48Z-1/55Z-1/57C-1

Operating weight: 10,564/11,860/12,087 lbs Net engine power: 44.8/48.3HP

JCB North American - Headquarters

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Download the very latest information on this product range at www.jcb.com

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