

THIS IS THE MOST CURRENT BUILD SHEET AVAILABLE
AFTER MANUFACTURER UPDATE TO MACHINE.

NEW



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

Operating weight: 18975/21458 lbs Net engine power: 70.2 hp



THE STRONGEST CONTENDER.

THE JCB 90Z AND 100C ARE QUITE SIMPLY THE TOUGHEST 9 TO 10-TON EXCAVATORS WE'VE EVER BUILT. USING THE FULL RANGE OF OUR 50-YEAR EXPERTISE, TALKED TO CUSTOMERS JUST LIKE YOU TO MAKE SURE THAT THESE MACHINES WILL MEET YOUR DEMANDS.

A simplified H-frame construction and finite element analysis have helped us to create the ultimate heavy-duty structure. The 90z and 100c therefore 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, ensuring a 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"/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-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.



1

Potent performance.

1 At the heart of these new JCB 10-tonne machines is a JCB Diesel by Kohler common rail 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 ft 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.

Digging down.

3 There's a huge 188° bucket rotation, which helps to 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 for more versatility.



2



ZTS or CTS?

Both ZTS and CTS tailswing 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.



4

Easier ground levelling 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 to operate with total ease in confined areas.

6 Dipper tearout forces are substantial (up to 11,218lbf on both the 90z and 100c), unrivalled 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. 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.

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.



5



6



7



8

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 defroster 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, thus reducing in-cab noise and vibration. The valve block is nevertheless 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 to reduce vibration and noise whilst maintaining a very smooth ride on the JCB 90z and 100c.

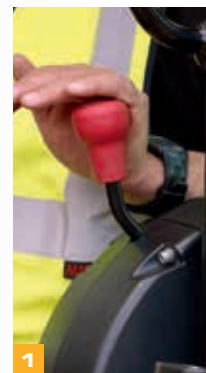


SAFETY AND SERVICEABILITY.

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

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. Hardly surprising when you consider that both are blessed with a large track frame width and a low center of gravity.



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.



Excellent SAE service rating equates to greater uptime for both the JCB 90z and 100c. Our machines are more serviceable courtesy of 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.

- 5** 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.
- 6** 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.
- 8** For reduced fuel spillage and increased safety, fit your machine with JCB's optional refuelling 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.

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



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.

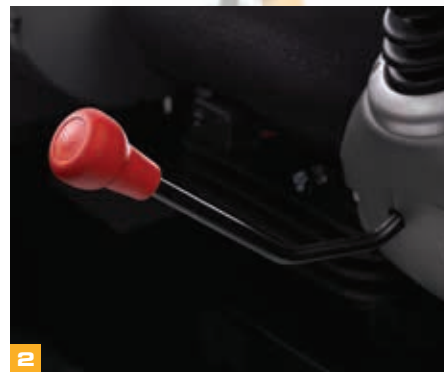
1 Fuel combustion in the JCB Diesel by Kohler engine is so clean that the unit doesn't require a diesel particulate filter (DPF). This reduces servicing, increases uptime and improves fuel efficiency.

2 Engine revs on your 90z or 100c automatically drop to 950 rpm when the operator's armrest is raised. This combined with the Auto Idle feature therefore 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 a period between 2 and 30 seconds.

4 The load-sensing hydraulics on JCB's 9 to 10-tonne 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 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.



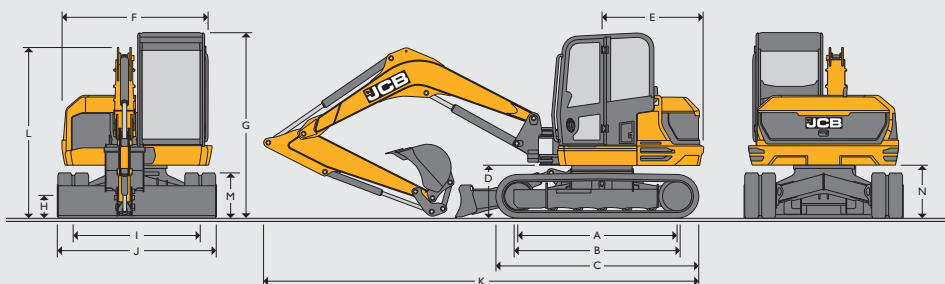
1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

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

ENGINE

Machine model		100c-1	90z-1
Model		Tier 4 Final KDI 2504 TCR	
Fuel		Diesel	
Cooling		Water cooled	
Gross power	hp @ 2200 rpm	73.8	
Net power	hp @ 2200 rpm	70.3	
Gross torque	lbf-ft @ 1400 rpm	225	
Displacement	cubic inches	152.56	
Gradeability	%	30	
Starter motor	hp	2.7	
Battery	volt / amps	12V / 75 CCA	
Alternator	volt / amps	12V / 80A	

UNDERCARRIAGE

Machine model		100c-1	90z-1
No of top rollers		1	
No of bottom rollers		5	
Track width	in	18"	
Track width optional	in	18" / 24"	
Ground clearance	in	14"	
Track tensioning		Grease	
Travel speed – low	mph	1.5	1.6
Travel speed – high	mph	2.7	2.9
Tractive effort	lbf	132	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* (16" rubber tracks)	lbs	21458	18975
Shipping weight** (16" rubber tracks)	lbs	21087	18605
With FOGS guard – Stage 1	lbs	+31	
With FOGS guard – Stage 2	lbs	+214	
With FOGS guard – Stage1 HVAC	lbs	+108	
With 16" steel tracks	lbs	+406	
With 22" steel tracks	lbs	+809	
With 16" Geo grip tracks	lbs	+295	
Ground bearing pressure (16" tracks)	psi	6.5	5.8
Ground bearing pressure (22" tracks)	psi	5.0	4.4
With narrow dozer (2220mm)	lbs	-11	
With wide dozer	lbs	+40	
With 4 way dozer	lbs	+478	
With long dipper (6' 7")	lbs	+35	
With short dipper (5' 5")	lbs	-106	
With quickhitch	lbs	+209	

*Operating weight to ISO 6016 including cab, rubber tracks, standard dipper, 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.

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"	

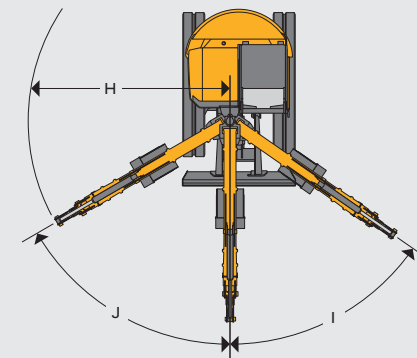
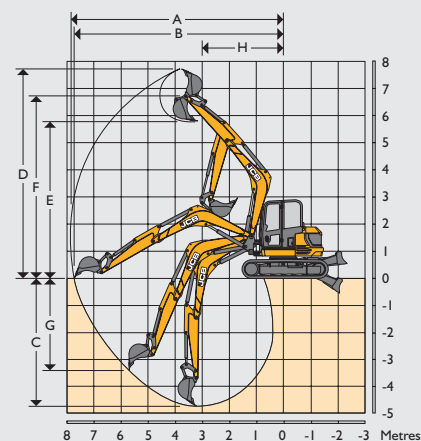
STANDARD EQUIPMENT

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/defroster 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 floormat, 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, Dual pattern controls (ISO/SAE change-over).

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, 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 refuelling pump, JCB Immobiliser (Unique key or keypad system), Dozer float, Angled dozer blade, Dual pattern controls (ISO/SAE change-over), Front screen guard (Fine or course), Twin pair of front LED roof mounted worklights. Short and long arm options, Thumb ready arm, LiveLink, Special paint options, Block heater 110/240V.

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' 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"
Max. digging depth - dozer down	ft-in	13' 6" / 14' 11" / 14' 11"	11' 6" / 13' 7" / 13' 6"
D Max. digging height	ft-in	23' 0" / 24' 0" / 24' 6"	22' 6" / 23' 7" / 13' 11"
E Max. dump height	ft-in	17' 0" / 18' 0" / 18' 7"	16' 4" / 17' 5" / 17' 9"
F Max. height to arm nose pivot pin	ft-in	20' 1" / 21' 1" / 21' 5"	19' 5" / 20' 6" / 20' 10"
G Max. vertical wall digging depth	ft-in	6' 2" / 7' 5" / 11' 6"	10' 8" / 9' 6" / 12' 6"
H Min. front swing radius (no offset)	ft-in	8' 10" / 9' 5" / 9' 6"	9' 8" / 10' 2" / 10' 4"
Min. front swing radius (fully offset)	ft-in	7' 1" / 7' 9" / 7' 11"	7' 9" / 8' 3" / 8' 5"
I Boom swing left	degrees	60	
J Boom swing right	degrees	60	
Bucket rotation	degrees	184.6	
Arm rotation	degrees	118	114
Bucket breakout force	lbf	16231	12837
Arm breakout 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"	















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

100C

Load Point	6' 7"			9' 10"			13' 1"			16' 5"			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	Distance ft-in
16' 5"							4092*	3878*	4092*				4288	4061	3629	15' 4"
13' 1"							4378*	4149*	4378*	4204	3984	3280	3847	4008	2884	17' 10"
9' 10"				7297*	6914*	6781	5333*	5053*	4442	4321	4312	3219	3389	4041	2538	19' 3"
6' 7"							5855	6228*	4246	4224	4822	3131	3179	4120	2374	19' 11"
3' 3"							5686	7086*	4092	4134	5262*	3047	3128	4220	2330	20' 0"
0' 0"				5730*	5428*	5730	5604	7315*	4019	4076	5437	2994	3245	4341	2410	19' 5"
-3' 3"	6724*	6371*	6724*	8891	9696*	6069	5593	6969*	4010	4065	5196	2983	3578	4453	2643	18' 1"
-6' 6"	12650*	11984*	12295	8633*	8179*	6144	5644	5966*	4054				4365	4517	3201	15' 9"
-9' 10"				5591*	5296*	5591							4473	4237	4473	11' 8"
















LIFT CAPACITY – 18" RUBBER TRACKS, 12' 1" BOOM, 6' 11" ARM, NO BUCKET

100C

Load Point	6' 7"			9' 10"			13' 1"			16' 5"			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	Distance ft-in
16' 5"							3406*	3228*	3406*	3737*	3538*	3380	3840	3638	3133	17' 2"
13' 1"							3748*	3549*	3748*	3759*	3560*	3369	3457	3640	2606	19' 4"
9' 10"				5798*	5494*	5798*	4700*	4453*	4555	4180*	3960*	3296	3097	3697	2330	20' 8"
6' 7"				9235*	8750*	6477	5961	5692*	4343	4290	4535*	3192	2932	3785	2200	21' 4"
3' 3"				4634*	4389*	4634*	5747	6762*	4149	4180	5079*	3089	2892	3896	2165	21' 4"
0' 0"				6651*	6303*	6005	5624	7273*	4037	4101	5404*	3016	2972	4019	2218	20' 10"
-3' 3"	6056*	5739*	6056*	8818	10245*	6008	5582	7194*	3999	4068	5375*	2985	3219	4160	2394	19' 7"
-6' 7"	10737*	10170*	10737*	8887	9165*	6067	5606	6526*	4021	4087	4810*	3003	3759	4281	2778	17' 6"
-9' 10"	11296*	10703*	11296*	7346	6958*	6197	5168	4896*	4118				4546	4308	3748	14' 1"

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

100C

Load Point	6' 7"			9' 10"			13' 1"			16' 5"			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	Distance ft-in
16' 5"										3543*	3355*	3415	3715	3519	3000	17' 9"
13' 1"							3527*	3342*	3527*	3609*	3419*	3397	3340	3534	2524	19' 11"
9' 10"							4478*	4242*	4478*	4045*	3834*	3322	3016	3596	2273	21' 2"
6' 7"				5307*	5029*	5307*	5805*	5501*	4378	4314	4429*	3214	2857	3684	2150	21' 9"
3' 3"				8710*	8252*	6561	5774	6632*	4173	4198	5007*	3106	2820	3794	2112	21' 10"
0' 0"				5505*	5216*	5505*	5635	7231*	4048	4112	5375*	3025	2895	3922	2163	21' 3"
-3' 3"	5836*	5527*	5836*	6839*	6479*	6008	5582	7240*	3999	4070	5408*	2987	3113	4054	2317	20' 1"
-6' 7"	10049*	9520*	10049*	8801	9912*	5994	5595	6671*	4012	4081	4952*	2998	3594	4189	2661	18' 1"
-9' 10"	12368*	11718*	12229	8863	9445*	6045	5542*	5251*	4096				4500	4262	3488	14' 10"



Lift capacity front and rear.

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.



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 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	Distance ft-in
16' 5"							3206*	3668*	3082				3338	3821	2701	14' 2"
13' 1"							3177*	3638*	3062*	3060	3649*	2141	2917	3691	2039	16' 10"
9' 10"				4711*	5393*	4539*	3726*	4266*	2976	3029	3785*	2112	2511	3691	1750	18' 5"
6' 7"				6543	8056*	4235	4147	5218*	2822	2954	4169*	2046	2335	3748	1620	19' 2"
3' 3"				4026*	4608*	3880*	3990	6021*	2685	2879	4537*	1978	2291	3829	1583	19' 2"
0' 0"				6171	7624*	3929	3904	6316*	2612	2829	4683*	1933	2388	3929	1645	18' 6"
-3' 3"	6171*	7064*	5948*	6193	8629*	3946	3891	6025*	2599	2824	4365*	1931	2674	4017	1834	17' 1"
-6' 7"	9286*	10628*	8089*	6124*	7008*	4021	3946	4899*	2650				3393	3973	2306	14' 7"
-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 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	Distance ft-in
16' 5"							2619*	2998*	2524*				2956	3384	2264	16' 2"
13' 1"							2701*	3091*	2604*	2798*	3203*	2229	2575	3340	1812	18' 6"
9' 10"							3265*	3737*	3075	3016*	3452*	2183	2277	3364	1598	19' 11"
6' 7"				5970*	6832*	4422	4145*	4744*	2908	3018	3904*	2103	2138	3428	1493	20' 6"
3' 3"				6338	7571*	4065	4054	5710*	2743	2923	4370*	2019	2099	3512	1459	20' 7"
0' 0"				6169	7972*	3926	3931	6248*	2635	2853	4661*	1956	2172	3622	1504	20' 0"
-3' 3"	5280*	6043*	5088*	6146	9162*	3907	3885	6230*	2595	2824	4610*	1931	2372	3719	1636	18' 8"
-6' 7"	9127*	10446*	7904	6206	7970*	3957	3909	5553*	2617	2862	3836*	1962	2840	3777	1949	16' 6"
-9' 10"	7410*	8481*	7143*	4784*	5474*	4092						3150	3150	3605	2837	12' 9"

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 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	Distance ft-in
16' 5"										2795*	3199*	2240	2853	3265	2152	16' 9"
13' 1"							2535*	2903*	2445*	2679*	3067*	2255	2485	3236	1750	19' 0"
9' 10"							3102*	3549*	2989*	2915*	3336*	2207	2209	3267	1552	20' 4"
6' 7"				5609*	6418*	4489	3995*	4570*	2939	3040	3807*	2123	2077	3331	1453	21' 0"
3' 3"				6385	8715*	4105	4079	5587*	2765	2941	4301*	2035	2044	3419	1424	21' 1"
0' 0"				6180	8111*	3933	3944	6199*	2646	2864	4634*	1964	2105	3525	1462	20' 6"
-3' 3"	5040*	5769*	4859*	6135	9284*	3900	3887	6270*	2597	2829	4451*	1933	2286	3629	1581	19' 3"
-6' 7"	8488*	9714*	7848	6186	8232*	3940	3900	5710*	2608	2848	4074*	1951	2703	3713	1858	17' 1"
-9' 10"	8351*	9557*	8049*	5245*	6001*	4061	3444*	3942*	2707				3146	3600	2584	13' 7"



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.



ONE COMPANY, OVER 300 MACHINES.

Compact Excavator 90Z-1/100C-1

Operating weight: 18975/21458 lbs Net engine power: 70.2hp

JCB North American – Headquarters

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