

NEW



## MINI EXCAVATOR | 18Z-1/19C-1

Transport weight: 3,691 – 4,042 lb (1,479 – 1,868 kg) Net engine power: 21.9 HP (16.3 kW)





# CHOOSING EXCAVATOR

# TEASERS





A COMPACT  
R JUST GOT  
LIER





# CHOOSE TOUGH.

THE NEW GENERATION JCB MINI EXCAVATORS HAVE BEEN DESIGNED AND BUILT TO WITHSTAND THE TOUGHEST OF JOB SITES. WITH LONG-LASTING COMPONENTS AND EASY, COST EFFECTIVE REPAIRS, THEY PROVIDE MINIMUM DOWNTIME AND MAXIMUM PROFITS.

## Designed to last.

**1** Full width rear cast counterweight gives full protection against site damage. All hydraulic components are assembled within a hydraulic clean room and go through multi-stage hot tests and oil detection processes to ensure reliability. Improved dig end pins with ARCO coating protects pins against corrosion, helping towards reduced cost of ownership.



**2** State of the art manufacturing processes to achieve ultimate build quality, reliability, durability, service life and machine uptime. Our in-house paint process is a case in point, guaranteeing quality and lasting protection.

**3** The standard heavy-duty kingpost optimises service life and lowers the cost of ownership due to the durable re-bushable pivots.



**4** The top mounted boom ram reduces the risk of damage on site, for instance when loading dumpers.

**5** Hoses are routed through the boom, dipper and kingpost for ultimate durability. Both models use O-ring faced seal hydraulics which provides excellent sealing capabilities.





**Strong and durable.**

6 The 18Z is JCB's first zero tailswing model within its class, it protects the machine and surrounding environment from accidental damage.

7 Solid cast rear door for maximum impact resistance compared to glass reinforced plastic.

8 Three single flanged bottom rollers allied with short pitch tracks ensures a smooth ride. Long pitch rubber or steel tracks are optional for more arduous applications.

9 The strong, durable H frame undercarriage provides rigid support with an open design allowing spoil to fall readily preventing excessive componentry wear.

For ultimate rigidity, the extending undercarriage beams are constructed from 1 inch (25 mm) solid steel plate.



## CHOOSE EASY.

**MOST JOBS ARE HARD ENOUGH WITHOUT THE ADDED STRESS OF DIFFICULT AND FREQUENT SERVICING, HARD TO REACH CLEANING AND OF COURSE UNCOMFORTABLE OPERATING CONDITIONS. THAT'S WHY WE'VE JUST MADE THEM EASY.**

All new valve block, spools and floor controls allow for fine control and smooth operation for even the less experienced operator, increasing productivity.



### Making life easy.

**1** Easy pre-start checks allows you to check fluid oil levels whilst an analogue hour meter gives you quick and easy viewing without having to turn the machine on.

Standard two speed tracking is operated by a button on the dozer. Auto kick-down is optional on the 18Z-1 and 19C-1.

**2** New right hand positioned panel with easy button functions, easy to read indicators and warnings allow the operator to always be aware of the machines status as well as potential risks.





## Supporting productivity.

- 3 180° opening service door to access all cleaning and maintenance points with a separate, daily checks door.
- 4 Our hydraulic system allows you to travel in a straight line at the same time as selecting excavator functions, increasing productivity.
- 5 Spacious cab with large door entry, excellent visibility and intuitive controls. 24% bigger than the previous model. Easily accessible external lockable fuel tank provides extra security.



3



4



5



## CHOOSE SIMPLE.

DESIGNED TO SIMPLY GET ON WITH WORKING, THE NEW GENERATION MINIS ARE ALL DESIGNED WITH YOUR PROFITS IN MIND. WITH A SIMPLE, CLASSIC DESIGN, LOW COST MAINTENANCE AND EASY REPAIRS EQUALS MACHINES TAILORED TO YOUR NEEDS, WHY CHOOSE ANYTHING ELSE?

Bucket rotation is a huge 201°, offering great spoil retention during truck loading, providing total versatility. Dipper lengths are 950mm, 1,100mm and 1,344mm.

### User-friendly environment.

- 1 Large glass area gives increased visibility. 70/30 split line and clear joining split gives perfect visibility down to the dozer blade.
- 2 Flat glass which is easier to replace and more cost effective than curved options, with the added benefit of sun reflecting tinted glass for operator comfort.
- 3 Improved 2 speed heater with three multi-positioned vents for ultimate operator comfort on 19C-1.





**Ultimate convenience.**

4 Graphite impregnated bushes with industries lowest greasing intervals of 500 hours, means no need for daily greasing.

5 Hydraulic connections reduced along with increased straight hoses and combined control valves; all deliver improved hydraulic efficiency and reduced component complexity.

Premium or rental specifications to help choose the right machine. Zero tailswing or Conventional tailswing plus cab or canopy options across the range.

6 Reduced minimum front swing radius for a compact machine that can tuck up to work in the tightest of conditions without compromise to load over height.





## CHOOSE QUICK.

WHEN TIME IS MONEY AND GETTING FROM THE LAST JOB TO THE NEXT JOB QUICKER IS A HUGE ADVANTAGE, THE NEW GENERATION MINIS DON'T HANG ABOUT. QUICK CLEANING, TRANSPORTING AND ATTACHMENT CHANGES ALL ADD UP TO BIGGER PROFITS FOR YOU.



### Ultimate versatility.

- 1 Industry standard bucket centres and pin sizes (30mm) for maximum attachment versatility.
- 2 Choose from JCB's range of specially designed attachments. They provide ultimate performance, full JCB warranty compliance, and optimum fit and operation. Dual hydraulic flow is available as an option.





### Low cost of ownership.

- 3 New dig end geometry allows the machines to load dumpers without the need to re-position speeding up arduous jobs on site.
- 4 Sloping undercarriage track legs gives minimal soil retention and enables fast cleaning.
- 5 The new dozer geometry allows the blade to become free of material build up. With easy to use swing out dozer wing extensions, there's no need for any tools for operation.
- 6 No daily greasing with easy to access maintenance and cleaning means quicker turnaround times.

- 7 With low operating weights, each machine can be easily towed to wherever they're needed.
- 8 10 tie down and lifting points ensure compliant, speedy machine transportation.





## SAFE & SECURE.

WORKING QUICKER IS ALSO ABOUT WORKING SMARTER. AS WORKING CONDITIONS BECOME MORE AND MORE RESTRICTED, SAFETY BECOMES MORE AND MORE IMPORTANT. JCB HAS ALWAYS BEEN AT THE FOREFRONT OF SITE SAFETY AND PROVIDES INNOVATIVE WAYS TO IMPROVE IT.



### Work smart.

**1** The new cabs are fully ROPS and FOPS compliant, for increased protection laminated glass is available as an option.

**2** All services, including tracking and dozer, are isolated when the control pod is raised as an additional safety precautionary measure.

**3** A lockable internal toolbox provides safe tool storage on all models.

Optional operator presence and seat belt isolation switches for increased on site safety.





### Safely does it.

4 Optimum seat position with large glass area and bodywork design combine to give excellent all round visibility for increased on site safety. As a result, all models do not require mirrors to meet EU regulations.



5 JCB's unique 2GO system gives an additional layer of safety meaning all controls are fully isolated unless the 2GO button is activated.



For increased safety, there is a Thatcham approved immobiliser\*, eliminating the possibility of an unauthorised start. Having the software system Livelink and Datatag\* on the minis, will allow you to set a geofence and machine working restrictions.

A key benefit of the Livelink and immobiliser combination is the remote pin code management system, which allows you to remotely authorise or deny the usage of the machine. Up to 14 individual pin codes can be programmed into the system, offering the option to customise operator preferences.

\* Region specific.



Optional green beacon warning light and high visibility seatbelts available to those wishing to increase on-site safety measures.



# 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 HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.**

## Productivity and cost benefits

By providing information like machine location, Livelink can help improve efficiency and perhaps even reduce insurance costs.



## Maintenance benefits

Manage machine maintenance easily – accurate hours monitoring and service alerts improve maintenance planning, while real-time location data helps you manage your fleet. Critical machine alerts and maintenance history records are also available.



## Security benefits

Livelink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information, advanced ECU matching (pairs Livelink with the immobiliser or ECU), and PIN code management (to remotely authorise usage – perfect for plant hire).





## VALUE ADDED.

WHATEVER YOU NEED AND WHEREVER YOU ARE, JCB'S DEPENDABLE NORTH AMERICAN DEALER NETWORK IS HERE TO MAKE SURE YOUR MACHINERY PERFORMS TO ITS FULL POTENTIAL.



1

1 Our Technical Support Service provides instant access to factory expertise, day or night. JCB's Finance team is always on hand to provide fast, flexible, competitive quotes.

2 The global network of JCB Parts Centres is another model of efficiency; with 16 regional bases, we can deliver around 95% of all parts anywhere in the world. Genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.

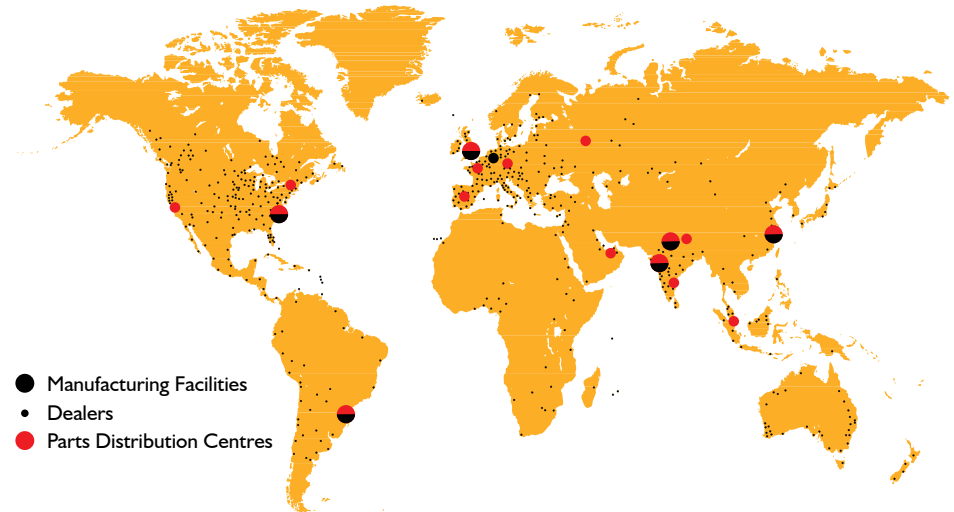


2

3 JCB Yellow Shield offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. JCB maintenance teams offer competitive labor rates and no-obligation quotes. JCB compact excavators come with a 2 year warranty as standard, for total piece of mind.



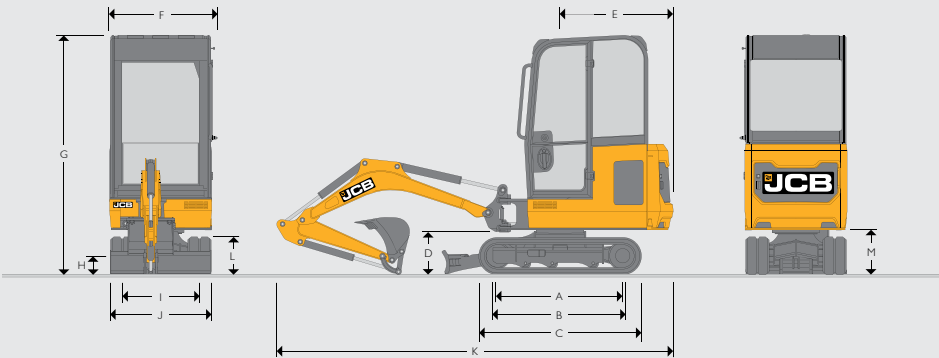
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Note: JCB LIVELINK and JCB YELLOW SHIELD may not be available in your region. Please check with your local JCB dealer.



STATIC DIMENSIONS



Machine model		18Z-1	19C-1
A	Sprocket idler centers	ft-in (mm) 4' 0" (1,218)	4' 0" (1,218)
B	Track length on ground	ft-in (mm) 4' 0" (1,220)	4' 0" (1,220)
C	Undercarriage overall length - rubber	ft-in (mm) 5' 2" (1,578)	5' 2" (1,578)
	Undercarriage overall length - steel	ft-in (mm) 5' 2" (1,578)	5' 2" (1,578)
D	Kingpost clearance	ft-in (mm) 1' 4" (409)	1' 4" (409)
E	Tailswing radius	ft-in (mm) 2' 3" (685)	3' 7" (1,103)
F	Overall width of superstructure	ft-in (mm) 3' 3" (996)	3' 3" (996)
G	Height over cab	ft-in (mm) 7' 8" (2,328)	
	Height over canopy	ft-in (mm) 7' 8" (2,340)	
H	Ground clearance	ft-in (mm) 0' 6" (162)	0' 6" (162)
I	Track gauge - retracted/extended	ft-in (mm) 2' 4" - 3' 6" (750 - 1,110)	
J	Width over tracks rubber / steel - retracted	ft-in (mm) 3' 3" (980)	
	Width over tracks rubber / steel - extended	ft-in (mm) 11' 8" (1,330)	
K	Transport length	ft-in (mm) 11' 8" (3,547)	12' 8" (3,860)
L	Track height	ft-in (mm) 1' 2" (367)	1' 2" (367)
M	Counterweight clearance	ft-in (mm) 1' 5" (434)	1' 5" (434)

ENGINE

Machine model	18Z-1, 19C-1	
Model	403J-11	
Fuel	Diesel	
Cooling	Water cooled	
Gross power	hp (kW)	23.1 (17.2) @ 2,550 rpm
Net power	hp (kW)	21.9 (16.3) @ 2,550 rpm
Max. torque	ft lb (Nm)	49.3 (66.9) @ 2,100 rpm
Displacement	cc	1131
Gradeability	degrees	25
Starter motor	hp (kW)	1.9 (1.4)
Battery	volt/amps	12V/65Ah
Alternator	amps (aircon)	65

UNDERCARRIAGE

Machine model		18Z-1	19C-1
		Retractable	Retractable
No. of bottom rollers		3	3
Track width rubber	ft-in (mm)	0' 9" (230)	0' 9" (230)
Track width steel	ft-in (mm)	0' 9" (230)	0' 9" (230)
Travel speed - low	mph (kph)	1.5 (2.4)	1.5 (2.4)
Travel speed - high	mph (kph)	2.5 (4.1)	2.5 (4.1)
Tractive effort	lbs (kN)	2,967 (13.2)	2,967 (13.2)

HYDRAULIC SYSTEM

Machine model		18Z-1	19C-1
Pump	cc	18	18
Nominal output @ 2,000rpm	gpm (lpm)	9.5 (36)	9.5 (36)
Excavator/track main relief pressure	psi (bar)	3,408 (235)	3,408 (235)
Slew main relief pressure	psi (bar)	2,422 (167)	2,422 (167)
Auxiliary hydraulic pressure (aux 1)	psi (bar)	2,901 (200)	2,901 (200)
Auxiliary hydraulic pressure (aux 2)	psi (bar)	N/A	N/A
Auxiliary hydraulic flow (aux 1)	gpm (lpm)	8.4 (32)	8.4 (32)
Hydraulic pump		Piston	Piston



**WEIGHTS**

Machine model	18Z-1			19C-1		
		Canopy	Canopy		Cab	
Operating weight *	lb (kg)	3,856 (1,749)	4,034 (1,830)		4,211 (1,910)	
FOPS	lb (kg)	-	-		33 (15)	
Steel tracks	lb (kg)	179 (81)	179 (81)		179 (81)	
Long dozer	lb (kg)	9 (9)	9 (9)		20 (9)	
Mechanical quickhitch	lb (kg)	14 (14)	14 (14)		31 (14)	
Shipping weight **	lb (kg)	3,649 (1,655)	3,827 (1,736)		4,004 (1,816)	
Ground bearing pressure (rubber tracks)	kg/cm <sup>2</sup> (kg/cm <sup>2</sup> )	4.7 (0.33)	4.7 (0.35)		5.1 (0.36)	
Ground bearing pressure (steel tracks)	kg/cm <sup>2</sup> (kg/cm <sup>2</sup> )	4.7 (0.35)	4.7 (0.36)		5.4 (0.38)	
Transport weight (operator weight -75kg)	lb (kg)	3,691 (1,674)	3,869 (1,755)		4,045 (1,835)	

\* Operator weight to ISO 6016 including cab/canopy, rubber tracks, 950 dipper (19C-1 & 18Z-1), 300mm bucket, full tanks and a 75kg operator. \*\* Shipping weight to ISO 6016 is mass of the base machine without operator, with fuel level at 10% of tank capacity.

**SERVICE CAPACITIES**

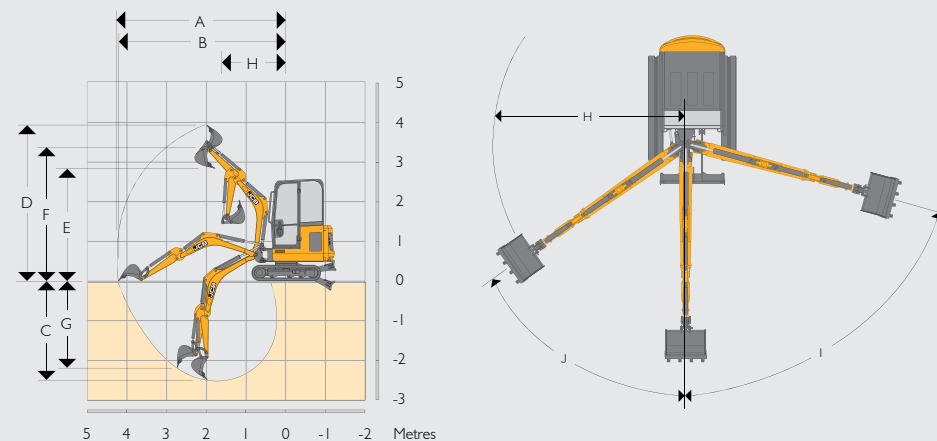
Machine model	18Z-1		19C-1	
		Canopy model: 1.1 (4.2)		Cab model: 1.2 (4.7)
Fuel tank	Gal (ltr)	5.4 (20.5)		4.9 (18.5)
Engine coolant	Gal (ltr)	Canopy model: 1.1 (4.2)		Cab model: 1.2 (4.7)
Engine oil	Gal (ltr)	0.7 (2.5)		0.7 (2.5)
Hydraulic system	Gal (ltr)	7.4 (28)		7.4 (28)
Hydraulic tank	Gal (ltr)	4.0 (15)		4.0 (15)

**OPERATOR ENVIRONMENT**

Machine model	18Z-1		19C-1	
Cab/canopy height	ft-in (mm)	7' 8" (2,346)		7' 0" (2,330)
Cab/canopy height with fogs guard level I	ft-in (mm)	7' 8" (2,346)		7' 0" (2,349)
Cab/canopy length with fogs guard level I	ft-in (mm)	3' 1" (1,107)		4' 0" (1,236)
Cab/canopy length	ft-in (mm)	3' 11" (1,107)		3' 0" (1,202)
Cab/canopy width	ft-in (mm)	3' 2" (978)		3' 0" (976)

**DOZER**

Machine model	18Z-1		19C-1	
Dozer length (STD) centre of boss	ft-in (mm)	2' 7" (787)		2' 7" (787)
Max. height above ground	ft-in (mm)	0' 9" (239)		0' 9" (239)
Dig depth below ground	ft-in (mm)	0' 9" (225)		0' 9" (225)
Approach angle	degrees	25.3		25.3
Width (without wings)	ft-in (mm)	3' 3" (980)		3' 3" (980)
Width (with wings)	ft-in (mm)	4' 5" (1,340)		4' 5" (1,340)
Height	ft-in (mm)	0' 9" (234)		0' 9" (234)

**WORKING RANGE**



























		18Z-1 / 19C-1 (950mm Dipper)	18Z-1 / 19C-1 (1100mm Dipper)
	Boom length	ft-in (mm)	5-9 (1,800)
A	Max. digging reach	ft-in (mm)	9-5 (2,899)
B	Max. digging reach on ground	ft-in (mm)	12-6 (3,834)
C	Max. digging depth – dozer up	ft-in (mm)	7-5 (2,271)
	Max. digging depth – dozer down	ft-in (mm)	8-0 (2,426)
D	Max. digging height	ft-in (mm)	11-7 (3,556)
E	Max. dump/load-over height	ft-in (mm)	8-5 (2,598)
F	Max. height to dipper nose pivot pin	ft-in (mm)	10-2 (3,116)
G	Max. vertical wallcut depth	ft-in (mm)	6-3 (1,933)
		ft-in (mm)	7-0 (2,139)
H	Min. front swing radius (no offset)	ft-in (mm)	4-9 (1,488)
	Min. front swing radius (fully offset)	ft-in (mm)	3-8 (1,171)
I	Boom swing left	degrees	75
J	Boom swing right	degrees	55
	Bucket rotation	degrees	201
	Dipper rotation	degrees	126
	Bucket tearout (power position)	lbs (kN)	4,047 (18)
	Dipper tearout	lbs (kN)	2,271 (10.1)
	Slew speed	rpm	7.9





























EQUIPMENT			EQUIPMENT		
Machine model	18Z-1	19C-1	Machine model	18Z-1	19C-1
<b>SERVICE AND MAINTENANCE</b>			<b>PROTECTION AND SAFETY</b>		
Beacon ready kit	•	•	ROPS, TOPS & FOGS certified canopy	•	•
Single element air cleaner	•	•	ROPS & TOPS certified cab		+
500 hours dig end greasing intervals	•	•	Internal lockable toolbox	•	•
Grease gun & cartridge	+	+	Protected boom work light	•	•
Toolkit	+	+	2GO hydraulic isolation	•	•
Automatic glow plug			Cesar Data Tag (UK ONLY)	•	•
			Battery isolator (Europe)	•	•
<b>TRACKS AND UNDERCARRIAGE</b>			Rotating beacon	+	+
230mm short pitch rubber tracks	•	•	Seat belt engaged green beacon	+	+
Two speed tracking	•	•	LiveLink	+	+
Retractable undercarriage	•	•	Pin pad immobiliser	+	+
Extendable dozer blade	•	•	Key immobiliser	+	+
Heavy duty recoiled tracked tensioners	•	•	Polycarbonate front screen protection	•	•
230mm long pitch rubber tracks	+	+	Boom LED worklight & guard	+	+
230mm steel tracks	+	+	FOGS guard level I	•	+
Long dozer blade	+	+	White noise travel alarm	+	+
Auto kick down track motors	+	+			
			<b>EXTERNAL EQUIPMENT</b>		
<b>OPERATOR STATION</b>			Standard dipper (mm)	950	950
LED worklights	+	+	Tie down points	•	•
Full audio visual warning systems	•	•	LED beacon	+	+
Full control isolation	•	•	Dipper options (mm)	1100	1100
12 volt power socket	•	•	Halogen work lights	+	+
ISO servo controls	•	•	Heavy duty kingpost	•	•
Static seat	•	•	Exterior mirrors	+	+
Electro-proportional thumb controlled dual flow auxiliary			Full bucket range	+	+
Dual patterned controls (ISO/SAE changeover)	+	+	Mechanical quick hitch	+	+
Fabric suspension seat		+	Hydraulic quick hitch		
Vinyl suspension seats	+	+	Thumb ready dipper	+	+
LED interior lights		+			
Sunblind	+	+			
Fire extinguisher	+	+			
Track lever pedals	+	+			
Full radio kit		+			
<b>HYDRAULICS</b>			<b>STANDARD</b>	•	
Hydraulic slew travel lock	•	•	<b>OPTIONAL</b>	+	
Single acting auxiliary circuit	•	•			
Variable displacement pump	•	•			
Straight line travel circuit	•	•			
ORFS hydraulics	•	•			
Quick release auxiliary couplers	•	•			
Double acting auxiliaries	+	+			
Auxiliary vent					

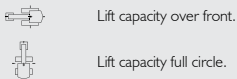


**LIFT CAPACITIES – 9" (230MM) RUBBER TRACKS, 70.9" (1,800MM) BOOM, 43.3" (1,100MM) DIPPER, NO BUCKET. 18Z-1**

Load Point	4' 11" (1.5m)			6' 7" (2.0m)			6' 7" (2.0m)			6' 7" (2.0m)			8' 2" (2.5m)			9' 10" (3.0m)			11' 5" (3.5m)			Capacity at maximum reach			Distance			
																												
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	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 (mm)
ft-in (m)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	ft-in (mm)
8' 2" (2.5)	853 (387)	362 (164)	877 (398)	670 (304)	741 (336)	342 (155)	690 (313)	774 (351)																				8' 10" (2,690)
6' 7" (2)	836 (379)	351 (159)	860 (390)	725 (329)	730 (331)	562 (255)	686 (311)	694 (315)	481 (218)	254 (115)	540 (245)																	9' 1" (3,000)
4' 11" (1.5)	802 (364)	333 (151)	825 (374)	939 (426)	844 (383)	315 (143)	816 (370)	882(400)	487 (221)	236 (107)	567 (257)	851 (386)																10' 10" (3,300)
3' 3" (1)	1,656 (751)	672 (305)	1,823 (827)	2,094 (950)	996 (452)	408 (185)	1,179 (535)	1,369 (621)	646 (293)	300 (136)	615 (279)	1,085 (492)	580 (263)	214 (97)	474 (215)	935 (424)	448 (203)	176 (80)	375 (170)	802 (364)	448 (203)	375 (170)	802 (364)	176 (80)	11' 6" (3,500)			
1' 8" (0.5)	1,574 (714)	456 (207)	1,166 (529)	2,152 (976)	1,085 (492)	368 (167)	831 (377)	1,636 (742)	708 (321)	271 (123)	615 (279)	1,190 (540)	481 (218)	220 (100)	476 (216)	963 (437)	439 (199)	163 (74)	368 (167)	767 (348)	439 (199)	368 (167)	767 (348)	163 (74)	11' 6" (3,500)			
0' 0" (0)	1,010 (458)	377 (171)	983 (446)	2,055 (932)	787 (357)	322 (146)	772 (350)	1,616 (733)	884 (401)	220 (100)	534 (242)	1,193 (541)	445 (202)	209 (95)	430 (195)	906 (411)												11' 2" (3,400)
-2' 4" (-0.5)	1,356 (615)	355 (161)	966 (438)	1,841 (835)	721 (327)	276 (125)	692 (314)	1,391 (631)	604 (274)	218 (99)	531 (241)	1,067 (484)	434 (197)	220 (100)	434 (197)	791 (359)												10' 8" (3,250)
-4' 9" (-1)	864 (392)	461 (209)	886 (402)	1,512 (686)	580 (263)	276 (125)	633 (287)	1,224 (555)	467 (212)	234 (106)	487 (221)	888 (403)	403 (183)	203 (92)	432 (196)	657 (298)												9' 10" (3,000)
-5' 1" (-1.5)	873 (396)	472 (214)	895 (406)	1,023 (464)	593 (269)	282 (128)	644 (292)	844 (383)	593 (269)																			7' 3" (2,200)

**LIFT CAPACITIES – 9" (230MM) RUBBER TRACKS, 70.9" (1,800MM) BOOM, 43.3" (1,100MM) DIPPER, NO BUCKET. 19C-1**

Load Point	4' 11" (1.5m)			6' 7" (2.0m)			6' 7" (2.0m)			8' 2" (2.5m)			9' 10" (3.0m)			Capacity at maximum reach			Distance									
																												
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	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 (mm)
ft-in (m)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	lbs (kg)	ft-in (mm)
8' 2" (2.5)										884 (401)	595 (270)	891 (404)	926 (420)															8' 2" (2,500)
6' 7" (2)										820 (372)	800 (363)	829 (376)	873 (396)	891 (404)	494 (224)	864 (392)	908 (412)	891 (404)	494 (224)	864 (392)	908 (412)	891 (404)	494 (224)	864 (392)	908 (412)	891 (404)	9' 10" (3,000)	
4' 11" (1.5)					1,025 (465)	968 (439)	1,056 (479)	1,116 (506)	952 (432)	613 (278)	981 (445)	1,014 (460)	877 (398)	465 (211)	875 (397)	919 (417)	809 (367)	414 (188)	818 (371)	869 (394)	10' 8" (3,250)							
3' 3" (1)	2,077 (942)	1,093 (496)	2,099 (952)	2,176 (987)	1,539 (698)	838 (380)	1,530 (694)	1,614 (732)	1,151 (522)	617 (280)	1,155 (524)	1,213 (550)	948 (430)	503 (228)	948 (430)	994 (451)	653 (296)	412 (187)	697 (316)	873 (396)	11' 2" (3,400)							
1' 8" (0.5)	1,583 (718)	977 (443)	1,689 (766)	2,172 (985)	1,321 (599)	767 (348)	1,360 (617)	1,777 (806)	963 (437)	606 (275)	977 (443)	1,290 (585)	756 (343)	472 (214)	800 (363)	1,014 (460)	631 (286)	421 (191)	668 (303)	833 (378)	10' 10" (3,300)							
0' 0" (0)	1,852 (840)	1,021 (463)	1,989 (902)	1,951 (885)	1,263 (573)	769 (349)	1,281 (581)	1,660 (753)	959 (435)	593 (269)	990 (449)	1,292 (586)	763 (346)	474 (215)	763 (346)	963 (437)	763 (346)	417 (189)	796 (361)	800 (363)	10' 10" (3,300)							
-2' 4" (-0.5)	1,887 (856)	904 (410)	1,761 (799)	1,808 (820)	1,415 (642)	675 (306)	1,336 (606)	1,398 (634)	1,113 (505)	569 (258)	996 (452)	1,021 (463)	849 (385)	450 (204)	761 (345)	761 (345)	712 (323)	434 (197)	690 (313)	701 (318)	10' 8" (3,250)							
-4' 9" (-1)	1,358 (616)	888 (403)	1,473 (668)	1,473 (668)	1,122 (509)	666 (302)	1,142 (518)	1,142 (518)	844 (383)	553 (251)	820 (372)																	9' 6" (2,900)
-5' 1" (-1.5)					888 (403)	657 (298)	911 (413)	679 (308)																				7' 4" (2,230)



**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, MORE THAN 300 MACHINES.**

**Mini Excavator 18Z-1/19C-1**

Transport weight: 3,691 – 4,042 lb (1,479 – 1,868 kg) Net engine power: 14.5 hp (10.8 kW)

**JCB North America**

2000 Bamford Blvd., Pooler, Georgia, 31322 Tel: (912) 447-2000

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