

**JCB**

# NOTHING MINI ABOUT IT

**JCB 18 | z-1**

MINI EXCAVATOR



Heavy-duty  
structures



Easy  
manoeuvrability



Superior fuel  
efficiency



Easy to use,  
comfortable to  
operate



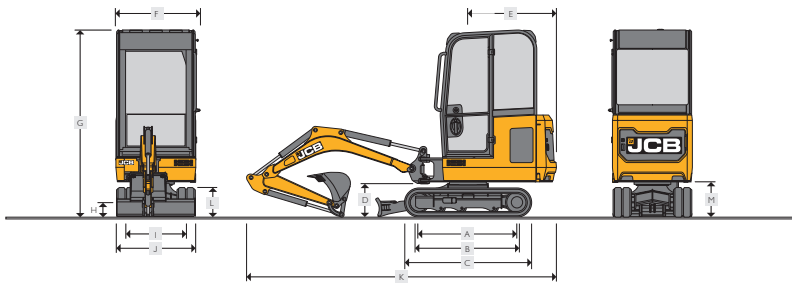
Ease of  
maintenance



**Operating Weight: 1749 kg**  
**Engine Power: 10.8 kW (14.4 hp)**



## SPECIFICATION: JCB 18Z-1 MINI EXCAVATOR



### MACHINE

Model		18z-1
A	Sprocket idler centres	mm 1218
B	Track length on ground	mm 1220
C	Undercarriage overall length - rubber	mm 1578
	Undercarriage overall length - steel	mm 1578
D	Kingpost clearance	mm 409
E	Tailswing radius	mm 685
F	Overall width of superstructure	mm 996
G	Height over cab	mm N/A
	Height over canopy	mm 2340
H	Ground clearance	mm 162
I	Track gauge - retracted/extended	mm 750-1110
J	Width over tracks / rubber / steel - retracted	mm 980
	Width over tracks / rubber / steel - extended	mm 1330
K	Transport length	mm 3547
L	Track height	mm 367
M	Counterweight clearance	mm 434

\*Canopy is standard. Optional cabin available.

### DOZER BLADE

Dozer length (STD) centre of boss	mm	787
Max. height above ground	mm	239
Dig depth below ground	mm	225
Approach angle	degrees	25.3
Width (without wings)	mm	980
Width (with wings)	mm	1340
Height	mm	234

### MACHINE WEIGHTS

Operating weight*	kg	1,749
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\*Operator weight to ISO 6016 including cab/canopy, rubber tracks, 950 dipper (18Z-1)

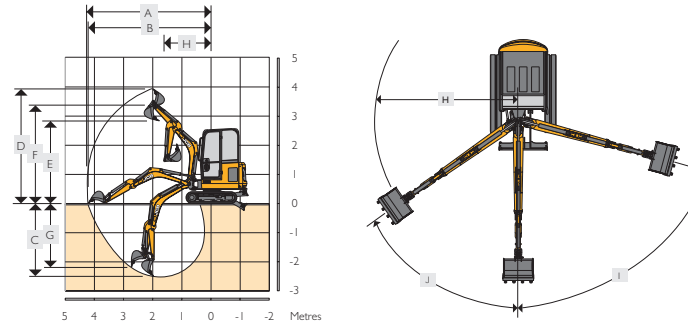
\*\*Shipping weight to ISO 6016 is mass of the base machine without operator, with fuel level at 10% of tank capacity.

### UNDERCARRIAGE

Model		18z-1
		Retractable
No of bottom rollers		3
Track width rubber	mm	230
Track width steel	mm	230
Travel speed - low	kph	2.4
Travel speed - high	kph	4.1
Tractive effort	kN	13.2

\* All dimensions, weights and timings are variable within 1.5% JCB reserves the right to change specifications without prior notice.

## WORKING RANGE



Boom length	mm	1800
A	Max. digging reach	mm 3899
B	Max. digging reach on ground	mm 3834
C	Max. digging depth - dozer up	mm 2271
	Max. digging depth - dozer down	mm 2426
D	Max. digging height	mm 3556
E	Max. dump/load-over height	mm 2598
F	Max. height to dipper nose pivot pin	mm 3116
G	Max. vertical wallcut depth	mm 1933
H	Min. front swing radius (no offset)	mm 1488
	Min. front swing radius (fully offset)	mm 1171
I	Boom swing left	degrees 75°
J	Boom swing right	degrees 55°
	Bucket rotation	degrees 201°
	Dipper rotation	degrees 126°
	Bucket tearout (power position)	kN 18
	Dipper tearout	kN 10.1
	Slew speed	rpm 7.9

### HYDRAULIC SYSTEM

Pump	cc	18
Nominal output @ max rpm	lpm	42
Excavator/track main relief pressure	bar	235
Slew main relief pressure	bar	167
Auxiliary hydraulic pressure (Aux 1)	bar	200
Auxiliary hydraulic pressure (Aux 2)	bar	N/A
Auxiliary hydraulic flow (Aux 1)	lpm	32
Auxiliary hydraulic flow (Aux 2)	lpm	N/A
Hydraulic pump		Piston

### SERVICE CAPACITIES

Fuel tank	L	20.5
Engine coolant	L	4.2
Engine oil	L	2.5
Hydraulic system	L	28
Hydraulic tank	L	15

### OPERATOR ENVIRONMENT

Canopy height	mm	na/2347
Cab/canopy height with FOGS guard LEVEL I	mm	na/2347
Cab/canopy length with FOGS guard LEVEL I	mm	1107
Cab/canopy length	mm	1107
Cab/canopy width	mm	978

## EXCEEDING EXPECTATIONS EVERYWHERE



**60+**  
Dealers



**750+**  
Outlets



**5**  
Parts warehouses



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Mobile service engineers



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Operator training centres



**300+**  
Service vans



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