SPECIFICATION

MINI EXCAVATOR | 25Z-1 / 26C-1

Operating weight: 2550 – 2675kg Gross engine power: 18.4kW Bucket tearout: 22.3 – 25.9kN

JCB

TOUGH TO BEAT.

Introducing the new Generation 25Z-1 and 26C-1 JCB mini excavator: designed with durability, reliability and towability in mind.

TOUGH TO BEAT FOR COMFORT.

Experience unmatched comfort in our redesigned cab. Optional air-conditioning, a spacious flat floor, premium suspension seat and Bluetooth radio create an ideal working environment.

TOUGH TO BEAT FOR PERFORMANCE.

We've made impressive enhancements across the hydraulics, tracking and attachments – and it's powered by a brand-new 18.4kW Kohler engine.

TOUGH TO BEAT FOR SAFETY.

Follow-me-home worklights and our unique 2GO hydraulic isolation system provide extra safety on site, whilst maintaining a safe towing weight for extra mobility.

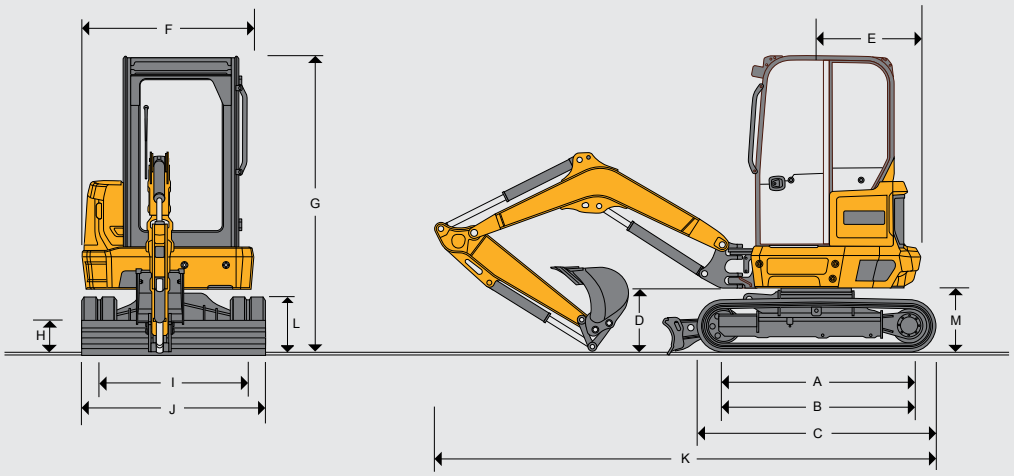
TOUGH TO BEAT FOR DURABILITY.

In a world of harsh environments, JCB mini excavators are tough. Built to withstand the challenges of any site, they ensure reliability when it matters most.

TOUGH TO BEAT FOR COST OF OWNERSHIP.

JCB mini excavators are designed to deliver lower operating costs with 500-hour greasing intervals, auto stop and idle functions, coloured hydraulic hoses, plus flat glass.

STATIC DIMENSIONS



Machine model			25Z-1	26C-1
A	Sprocket idler centres	mm	1562	
B	Track length on ground	mm	1562	
C	Undercarriage overall length – rubber	mm	1988	
D	Kingpost clearance	mm	510	
E	Tailswing radius Standard / HD counterweight)	mm	775 / 880	1005 / 1110
F	Overall width of superstructure	mm	1445	
G	Height over cab	mm	2478	
	Height over canopy	mm	2474	
H	Ground clearance	mm	264	
I	Track gauge	mm	1250	
J	Width over tracks – 250mm tracks	mm	1500	
	Width over tracks – 300mm tracks	mm	1550	
K	Transport length	mm	4200	4350
L	Track height	mm	450	
M	Counterweight clearance	mm	525	

ENGINE

Machine Model		25Z-1, 26C-1
Model		Kohler KSD1403 NA
Fuel		Diesel
Cooling		Water Cooled
Gross power ISO 14396	kW	18.4 @ 2200rpm
Net power	kW	16.7 @ 1900rpm
Gross torque ISO 14396	Nm	45.6 @ 2000rpm
Displacement	cc	1391
Gradeability	degrees	35
Starter motor	kW	2.2
Battery	volt / amps	12 / 80
Alternator	amps (Air con)	80

UNDERCARRIAGE

Machine model		25Z-1	26C-1
No of top rollers (per side)		1	
No of bottom rollers (per side)		3	
Track width rubber	mm	250 / 300	
Track width steel	mm	N/A	
Ground bearing pressure rubber 250mm	kg/cm²	0.32	0.34
Ground bearing pressure rubber 300mm	kg/cm²	0.31	0.33
Track tensioning		Grease	
Travel speed – low	km/h	2.2	
Travel speed – high	km/h	4.4	
Tractive effort	kN	22	

HYDRAULIC SYSTEM

Machine model		25Z-1	26C-1
Pump	cc	38	
Nominal output @ 2000rpm	lpm	76	
Excavator/track main relief pressure	bar	250	
Slew main relief pressure	bar	176	
Auxiliary hydraulic pressure (Aux1)	bar	STD: 190 ADJ: 120-250	
Auxiliary hydraulic pressure (Aux2)	bar	STD: 190 ADJ: 120-250	
Auxiliary hydraulic flow (Aux1)	lpm	48	
Auxiliary hydraulic flow (Aux2)	lpm	25	
Hydraulic pump		Variable Displacement Piston	

WEIGHTS

Machine model		25Z-1	26C-1
Machine operating weight (MOW)	kg	2550	2675
Operator	kg	75	75
Shipping mass	kg	2458	2583
Canopy	kg	-55	-55
300mm rubber tracks	kg	Fitted	
250mm rubber tracks	kg	-50	
Dipper 1100mm	kg	Fitted	-9.1
Dipper 1300mm	kg	+6.5	Fitted
HD counter weight	kg	+120	
Aircon	kg	+25	
FOPS guards	kg	+12.6	
Hydraulic quick-hitch	kg	+35.6	
Dozer HBVC	kg	+1.5	
Boom and dipper HBVC	kg	+7.5	
Bucket ram guard	kg	+3.3	
Dipper ram guard	kg	+4.4	

Operator weight to ISO 6016 including cab, rubber tracks, 400mm 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		25Z-1	26C-1
Fuel tank	ltr	30	
Engine coolant	ltr	5.1	
Engine oil	ltr	3	
Hydraulic system	ltr	45	
Hydraulic tank	ltr	20	

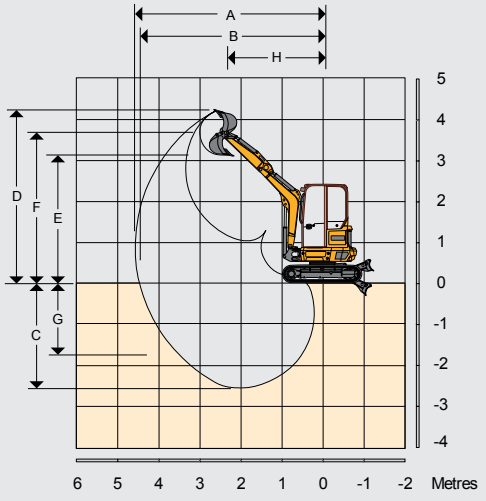
OPERATOR ENVIRONMENT

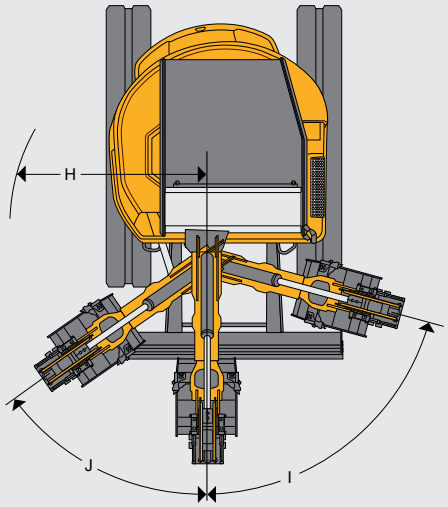
Machine model		25Z-1	26C-1
Cab/canopy height	mm	1591	
Cab/canopy height with FOGS guard LEVEL 1	mm	1610	
Cab/canopy length with FOGS guard LEVEL 1	mm	1268	
Cab/canopy length	mm	1251	
Cab/canopy width	mm	973	
Door aperture width	mm	428	

DOZER

Machine model		25Z-1	26C-1
Dozer length (STD – (Centre of boss to toe)	mm	790	
Maximum height above ground	mm	301	
Dig depth below ground	mm	299	
Approach angle	degrees	34	
Width	mm	1550	
Height	mm	310	

WORKING RANGE





			25Z-1		26C-1	
	Dipper length	mm	1100	1300	1100	1300
	Boom length	mm	2090		2370	
A	Maximum digging reach	mm	4465	4656	4511	4702
B	Maximum digging reach on ground	mm	4356	4553	4410	4605
C	Maximum digging depth – dozer up	mm	2437	2637	2661	2860
	Maximum digging depth – dozer down	mm	2624	2824	2838	3037
D	Maximum digging height	mm	4141	4277	4223	4344
E	Maximum dump/load-over height	mm	3030	3166	3124	3246
F	Maximum height to dipper nose pivot pin	mm	3589	3725	3684	3805
G	Maximum vertical wallcut depth	mm	1456	1629	1582	1754
H	Minimum front swing radius (no offset)	mm	2025	2076	1907	1929
	Minimum front swing radius (fully offset)	mm	1584	1627	1553	1573
I	Boom swing left	degrees	75			
J	Boom swing right	degrees	55			
	Bucket rotation	degrees	192		193	
	Dipper rotation	degrees	118		123	
	Bucket tearout	kN	22.3		25.9	
	Dipper tearout	kN	16.3	14.5	18.7	16.7
	Slew speed	rpm	9.7			

EQUIPMENT

	25Z-1	26C-1
Fully glazed ROPS & TOPS certified cab	•	•
Programmable intermittent wiper with wash/wipe	•	•
3 speed heater/demister with adjustable air vents	•	•
LCD display	•	•
Digital clock	•	•
External lockable toolbox	•	•
Cup holder & bottle holder	•	•
Coat hook, bluetooth radio	•	•
12V and 2 x USB	•	•
Interior light	•	•
Full audio/visual warning systems	•	•
Auto idle throttle	•	•
8 power bands	•	•
ISO servo controls with electro-hydraulic dozer lever	•	•
Electro-proportional thumb controlled high flow double acting auxiliary	•	•
10 programmable auxiliary flow rates	•	•
Joystick mounted hammer switch	•	•
Neutral start, Full control isolation	•	•
"2GO" hydraulic isolation	•	•
Deluxe suspension seat	•	•
Removable floormat	•	•
Beacon ready kit	•	•
Two speed tracking	•	•
Auto-kickdown track motors	•	•
300mm short pitch rubber tracks	•	•
Heavy-duty alternator	•	•
Heavy-duty battery	•	•
Hydraulic slew braking with disc type park brake	•	•
ORFS hydraulics	•	•
Colour coded hydraulic hoses	•	•
500 hour dig end & dozer greasing intervals	•	•
Heavy duty boom cylinder guard	•	•
Protected boom worklight	•	•
Quick release auxiliary couplers	•	•
100% steel bodywork	•	•
Dedicated tie down and lifting points	•	•
CESAR datatag (UK only).	•	•
Grease gun & cartridge	•	•
500 Hour Greasing - Graphite infused bushes	•	•
Heavy duty kingpost	•	•
Thumb ready dipper	•	•
Radio ready – speakers and aerial	•	•
Battery isolator	•	•

	25Z-1	26C-1
1300mm Dipper	+	•
1100mm Dipper	•	+
Air-conditioning	+	+
FOPS guard stage 1	+	+
Hose burst check valve lifting kit (dozer, boom & dipper)	+	+
Mechanical quickhitch	+	+
Hydraulic quickhitch, Hydraulic quickhitch ready pipework	+	+
General purpose digging buckets	+	+
Ditch/grading buckets	+	+
Hydraulic hammers	+	+
LED rotating amber beacon	+	+
Travel / white noise alarm	+	+
Seatbelt engaged green beacon	+	+
Hydraulic thumb attachment	+	+
Exterior cab mounted mirrors	+	+
JCB Immobiliser (Unique key or keypad system)	+	+
Dozer float	+	+
Dual pattern controls (ISO/SAE change-over)	+	+
Special paint options	+	+
ROPS & TOPS certified canopy	+	+
Tilt rotate ready installation	+	+
JCB Livelink	+	+
Orange seatbelt	+	+
Radio	+	+
Long dozer	+	+
Document box	+	+
Wide-angled rear mirror	+	+
120kg bolt-on counterweight	+	+

STANDARD • **OPTIONAL** +

LIFT CAPACITIES – CAB, 1100MM DIPPER, STANDARD COUNTERWEIGHT, 250MM TRACKS — 25Z-1

Load Point	1.0			1.5			2.0			2.5			3.0			3.5			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	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
2.5													463	602	394						
2.0										616	703	520	455	645	386	351	617	298			
1.5										589	861	494	440	722	372	344	648	291			
1.0										560	1029	467	425	808	358	336	690	283	283	579	239
0.5										538	1146	447	412	877	345	328	723	276			
0.0							750	1672	608	527	1186	436	404	908	337	324	732	272			
-0.5	1260	1260	1260	1304	1486	1012	752	1570	610	525	1152	434	401	887	335	324	691	272			
-1.0	1852	1852	1852	1317	1975	1023	761	1387	618	530	1039	438	405	790	339						
-1.5				1343	1484	1046	778	1078	634	543	798	451									
-2.0																					

LIFT CAPACITIES – CAB, 1300MM DIPPER, STANDARD COUNTERWEIGHT, 250MM TRACKS — 25Z-1

Load Point	1.0			1.5			2.0			2.5			3.0			3.5			4.0			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	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
2.5													472	541	402	360	560	307						
2.0													462	590	393	357	572	304						
1.5							873	1006	721	601	782	506	448	674	379	349	613	296	279	575	236	279	575	236
1.0										571	964	477	431	769	364	340	663	287	275	598	232	275	598	232
0.5										546	1108	454	416	851	349	331	707	279	271	612	228	271	612	228
0.0							753	1697	611	531	1179	440	406	900	340	325	732	273						
-0.5	1089	1089	1089	1291	1349	1000	751	1637	609	525	1176	434	401	902	335	322	719	270						
-1.0	1571	1571	1571	1304	1962	1012	756	1491	614	527	1097	436	402	842	336	326	626	274						
-1.5	2154	2154	2154	1327	1793	1032	770	1237	626	536	918	445	412	661	345									
-2.0							773	773	651															

Lift capacity over front.

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.
5. Optional 120kg bolt-on counterweight will offer greater stability.

LIFT CAPACITIES – CAB, 1100MM DIPPER, STANDARD COUNTERWEIGHT, 250MM TRACKS 26C-1

Load Point	1.0			1.5			2.0			2.5			3.0			3.5			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	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
2.5													601	646	530	462	641	408			
2.0										783	783	690	588	697	518	458	650	404			
1.5							1074	1258	919	756	926	658	571	769	501	449	682	396			
1.0										724	1060	628	553	843	484	439	719	386	373	653	328
0.5										701	1144	606	538	897	470	431	747	378	368	658	323
0.0				1464	1464	1382	978	1555	829	689	1165	595	529	917	461	425	752	372			
-0.5	1840	1840	1840	1706	1735	1392	980	1467	831	686	1129	592	525	895	457	424	718	371			
-1.0				1433	1433	1414	989	1326	840	690	1036	596	529	818	461						
-1.5							1006	1107	855	703	864	608									
-2.0							732	732	732												

LIFT CAPACITIES – CAB, 1300MM DIPPER, STANDARD COUNTERWEIGHT, 250MM TRACKS 26C-1

Load Point	1.0			1.5			2.0			2.5			3.0			3.5			4.0			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	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side	Dozer Up	Dozer Down	Over Side
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
2.5													594	594	540	471	590	417						
2.0										714	714	703	597	650	527	465	612	411						
1.5							1103	1129	947	770	862	672	579	729	509	455	652	402	367	607	324			
1.0							1035	1420	883	735	1010	639	560	811	490	444	697	391	362	624	319	348	612	306
0.5							995	1569	846	709	1117	614	543	878	474	434	734	381	357	636	313	344	618	302
0.0							980	1585	832	693	1164	599	531	913	463	427	752	374	353	629	310			
-0.5	1057	1057	1057	1383	1383	1366	978	1526	830	687	1151	593	526	909	458	423	739	370						
-1.0	1593	1593	1593	1690	1926	1378	984	1408	835	688	1083	594	526	857	458	426	672	373						
-1.5	2207	2207	2207	1640	1640	1399	997	1220	847	697	947	602	535	730	466									
-2.0				1209	1209	1209	918	918	870	681	681	622												

Lift capacity over front.

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.
5. Optional 120kg bolt-on counterweight will offer greater stability.

ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

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