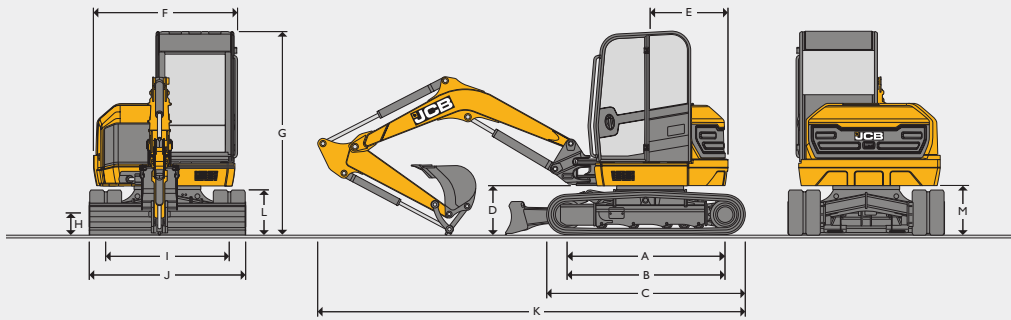


STATIC DIMENSIONS



STATIC DIMENSIONS

		50Z-2	56Z-2	60C-2
A	Sprocket idler centres	mm	1985	1985
B	Track length on ground	mm	1985	1985
C	Undercarriage overall length – rubber	mm	2490	2490
	Undercarriage overall length – steel	mm	2490	2490
D	Kingpost clearance	mm	631	631
E	Tailswing radius (standard / heavy counterweight)	mm	975 / 1030	1000
F	Overall width of superstructure	mm	1845	1845
G	Height over cab	mm	2551	2551
H	Ground clearance	mm	300	300
I	Track gauge	mm	1550	1550
J	Width over tracks	mm	1950	1950
K	Transport length with standard dipper	mm	5353	5520
L	Track height	mm	560	560
M	Counterweight clearance	mm	618	618

ENGINE

Manufacturer		Perkins
Model		403J-E17T
Type		Turbo Charged 3 Cylinder
Emissions standard		Stage V
Fuel		Diesel
Cooling		Water Cooled
Capacity	ltr	1.663
Gross power ISO 14396	kW	36
Net power	kW	34
Max operating speed		2000rpm
Max. torque ISO 14396	Nm	166.5
Displacement	cc	1663
Gradeability	degrees	35
Starter motor	kW	2
Battery	V / amps	12 / 80Ah or 750CCA
Alternator	V / amps	12 / 120

UNDERCARRIAGE

		50Z-2	56Z-2	60C-2
No of top rollers		1	1	1
No of bottom rollers		4	4	4
Track width rubber (STD)	mm	400	400	400
Track width steel	mm	400	400	400
Ground bearing pressure (400mm tracks)	kg / cm ²	0.32	0.35	0.36
Track tensioning		Grease	Grease	Grease
Travel speed – low	kph	3	3	3
Travel speed – high	kph	4.6	4.6	4.6
Tractive effort	kN	35.7	38.1	40

HYDRAULIC SYSTEM

		50Z-2	56Z-2	60C-2
Pump	cc	63	63	63
Nominal output @ max rpm	lpm	126	126	126
Excavator/track main relief pressure	bar	240	265	265
Slew main relief pressure	bar	216	216	216
Auxiliary hydraulic pressure (low)	bar	190	190	190
Auxiliary hydraulic pressure (high)	bar	190	190	190
Auxiliary hydraulic flow (low)	lpm	40	40	40
Auxiliary hydraulic flow (high)	lpm	95	95	95
Hydraulic pump		Variable Displacement Piston		

WEIGHTS

		50Z-2	56Z-2	60C-2
Operating weight*	kg	5030	5542	5680
Shipping weight**	kg	4798	5310	5448
Machine with 400mm steel tracks	kg	(+)151	(+)151	(+)151
Machine with 550mm steel tracks	kg	(+)279	(+)279	(+)279
Machine with 400mm geogrip tracks	kg	(+)287	(+)287	(+)287
Machine with heavy duty counterweight	kg	(+)310	-	-
Machine with 1450mm dipper	kg	-	(-)39	-
Machine with 1570mm dipper	kg	(+)39	-	-
Machine with 1820mm dipper	kg	(+)59	-	-
Machine with Hydraulic Quick Hitch- Lift	kg	(+)9	(+)9	(+)9
Machine with Mechanical Quick Hitch- Lift	kg	(-)13	(-)13	(-)13
Machine with FOPS roof guard - Stage I	kg	(+)17	(+)17	(+)17
Ground bearing pressure (400mm tracks)	kg / cm ²	0.32	0.35	0.36

*Operating eight to ISO6016 including cab, rubber tracks, standard dipper, 460mm bucket, full tanks and a 75kg operator.

**Shipping weight to ISO6016 is mass of the base machine without operator, with fuel level at 10% of tank capacity.

SPECIFICATION

50Z-2 / 56Z-2 / 60C-2 MINI EXCAVATOR

SERVICE CAPACITIES

		50Z-2	56Z-2	60C-2
Fuel tank	ltr	76	76	76
Engine coolant	ltr	12	12	12
Engine oil	ltr	5	5	5
Hydraulic system	ltr	100	100	100
Hydraulic tank	ltr	55	55	55

OPERATOR ENVIRONMENT

		50Z-2	56Z-2	60C-2
Cab/canopy height	mm	2551	2551	2561
Cab/canopy height with FOGS guard LEVEL I	mm	2575	2575	2585
Cab/canopy length	mm	1291	1291	1491
Cab/canopy width	mm	1020	1020	1020
Door aperture	mm	552	552	595

STANDARD EQUIPMENT

Fully glazed ROPS & TOPS certified cab with programmable Intermittent wiper with wash/wipe, 3 speed heater/demister with adjustable air vents, LCD display, Digital clock, Internal lockable toolbox, Cup holder & bottle holder, Coat hook, 12v accessory socket, Interior light, Bluetooth hands free USB radio, Full audio/visual warning systems, One touch idle, 5 power bands, 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, Neutral start, Full control isolation, "2GO" hydraulic isolation, High back suspension seat, removable floormat, 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, 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, JCB Liveline telematics with 5 years subscription, CESAR datatag (UK only).

OPTIONAL EQUIPMENT

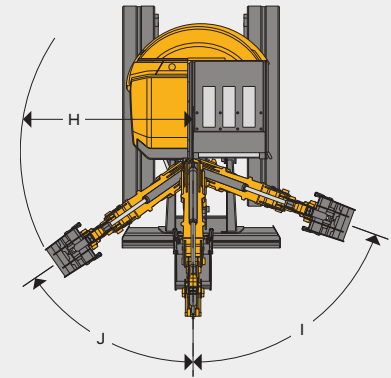
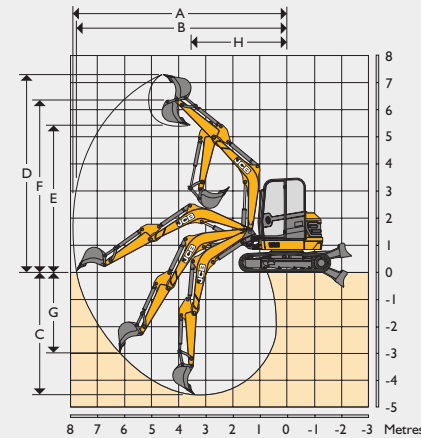
Air-conditioning, FOPS guard stage 1, Hose burst check valve lifting kit (dozer, boom & dipper), Mechanical quickhitch, Hydraulic quickhitch, Hydraulic quickhitch ready pipework, General purpose digging buckets, Ditch/grading buckets, Hydraulic hammers, LED rotating beacon, Travel alarm, Toolkit, Seatbelt engaged green beacon, Greasegun & cartridge, Exterior cab mounted mirrors, JCB Immobiliser (Unique key or keypad system), Dozer float, Thumb ready dipper, Special paint options, Tilt rotate ready installation.

*Standard and optional specifications may vary depending on regions. Please contact your dealer for more information.

DOZER

		50Z-2	56Z-2	60C-2
Dozer Type		2-way	2-way	2-way
Dozer length	mm	1141	1141	1141
Max height above ground	mm	433	433	433
Dig depth below ground	mm	464	464	464
Approach angle degrees	degrees	31	31	31
Width	mm	1962	1962	1962
Height	mm	400	400	400

WORKING RANGE



		50Z-2	56Z-2	60C-2
Dipper length	mm	1470 / 1570	1570	1820
Boom length	mm	2700	2866	2866
A Max. digging reach	mm	5486 / 5962	6119	6260
B Max. digging reach on ground	mm	5714 / 5832	5995	6140
C Max. digging depth – dozer up	mm	3327 / 3447	3606	3856
Max. digging depth – dozer down	mm	3532 / 3652	3843	4077
D Max. digging height	mm	5387 / 5473	5664	5846
E Max. dump/load-over height	mm	4001 / 4088	4274	4456
F Max. height to dipper nose pivot pin	mm	4679 / 4764	4970	5152
G Max. vertical wallcut depth	mm	1971 / 2069	2052	2254
H Min. front swing radius (no offset)	mm	2599 / 2631	2641	2608
Min. front swing radius (fully offset)	mm	2123 / 2151	2160	2155
I Boom swing left	degrees	70	70	70
J Boom swing right	degrees	55	55	55
Bucket rotation	degrees	181	181	181
Dipper rotation	degrees	121	121	121
Bucket tearout (power position)	kN	38	42	42
Dipper tearout	kN	22 / 21	29	26
Slew speed	rpm	8.3	8.3	8.3

LIFT CAPACITIES – 400MM RUBBER TRACKS, 2700MM BOOM, 1450MM DIPPER, NO BUCKET.

50Z-2

Load Point	2.0m			3.0m			4.0m			5.0m			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	Distance
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
4.0													842*	842*	606	3.88
3.5							852	959*	582				739	784*	501	4.3
3.0				1190*	1190*	922	847	964*	577				651	777*	438	4.6
2.5				1321	1442*	873	832	1016*	564				594	747*	396	4.82
2.0				1260	1719*	820	812	1098*	546				556	706*	367	4.97
1.5				1208	1949*	775	790	1192*	525	544	899*	357	536	761*	352	5.04
1.0				1174	2085*	744	768	1280*	505	536	1009*	350	526	751*	343	5.06
0.5				1155	2125*	727	750	1347*	489	530	883*	345	529	812*	344	5.01
0.0				1148	2084*	721	738	1379*	477				544	866*	353	4.9
-0.5	1975*	1975*	1415	1150	1965*	723	731	1365*	471				574	922*	373	4.72
-1.0	2493	2824*	1425	1161	1756*	733	732	1288*	472				628	992*	408	4.46
-1.5	2517	2907*	1444	1184	1400*	753	743	1090*	483				720	1009*	469	4.1
-2.0	2269*	2269*	1476										898	958*	585	3.59
-2.5													754*	754*	754*	2.83
-3.0																

LIFT CAPACITIES – 400MM RUBBER TRACKS, 2700MM BOOM, 1570MM DIPPER, NO BUCKET.

50Z-2

Load Point	2.0m			3.0m			4.0m			5.0m			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	Distance
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
4.0							874*	874*	683				792*	792*	669	4.04
3.5							899*	899*	691				697*	697*	562	4.45
3.0							913*	913*	685				682*	682*	499	4.74
2.5							970*	970*	672				666*	666*	456	4.95
2.0				1361*	1361*	1036	951	1055*	653	652	941*	444	631	657*	428	5.09
1.5				1477	1645*	982	928	1154*	632	645	964*	437	609	636*	411	5.17
1.0				1423	1892*	935	905	1249*	611	636	988*	429	601	681*	404	5.18
0.5				1384	2052*	901	886	1324*	594	629	1003*	422	605	742*	405	5.13
0.0				1362	2115*	881	872	1366*	581	625	886*	418	619	742*	415	5.03
-0.5	1869*	1869*	1686	1352	2095*	873	864	1365*	574				653	856*	437	4.85
-1.0	2622*	2622*	1696	1352	1996*	872	863	1306*	572				707	885*	473	4.6
-1.5	2929	3086*	1714	1360	1811*	880	870	1152*	579				799	971*	535	4.26
-2.0	2485*	2485*	1743	1380	1497*	897							933*	933*	648	3.78
-2.5	1578*	1578*	1578*	879*	879*	879*							790*	790*	790*	3.09
-3.0																



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.