

# 2023 JCB 140X

2519 Hours



- T4F
- HAMMER LINES
- CASE DRAIN LINE
- HYDRAULIC QUICK HITCH
- HBCV'S
- COMFORT PACK, (SUPER DELUXE SEAT, RADIO, CLIMATE CONTROL, FRONT BLIND, REAR BLIND, RIGHTHAND SIDE BLIND)
- SAFETY PACK, (LEVEL 3 LED LIGHTING, SAFETY HANDRAILS, GREEN BEACON C/W SEATBELT)
- REFUELING PUMP
- 3M DIPPER
- 700MM STEEL TRACKS
- USED GRADING BUCKET



## USED TRACKED EXCAVATOR | 140X

Our Ref: VSB0044563 Serial No: 3265479



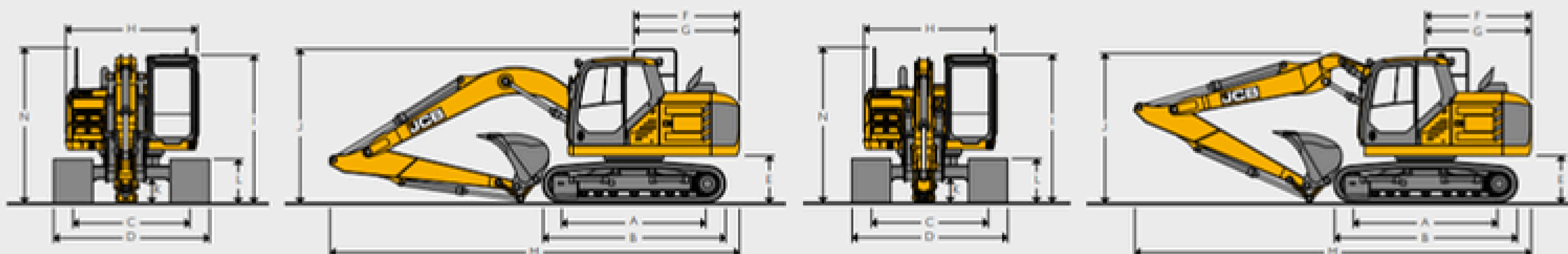


# USED TRACKED EXCAVATOR | 140X

Our Ref: VSB0044563 Serial No: 3265479

## SPECIFICATION 140X, 150X

### STATIC DIMENSIONS



### STATIC DIMENSIONS

Model			140X LC		150X LC		150X HD					
A	Track length on ground	mm	2865		2865		3090					
B	Undercarriage overall length	mm	3590		3590		3940					
C	Track gauge	mm	1990		1990		2200					
D	Width over tracks (500 mm trackshoes)	mm	2490		2490		-					
D	Width over tracks (600 mm trackshoes)	mm	2590		2590		2800					
D	Width over tracks (700 mm trackshoes)	mm	2690		2690		2900					
D	Width over tracks (800mm trackshoes)	mm	-		-		3000					
D	Width over tracks (850 mm trackshoes)	mm	2840		2840		-					
D	Width over tracks (900 mm trackshoes)	mm	-		-		3100					
E	Counterweight clearance	mm	905		905		1050					
F	Tail length	mm	2103		2103		2103					
G	Tail swing radius	mm	2150		2150		2150					
H	Width of upper superstructure	mm	2490		2490		2490					
H	Width of upper superstructure (with SIPS)	mm	2619		2619		2619					
I	Height over cab	mm	2866		2866		2916					
I	Height over cab (vandal guard – optional)	mm	3172		3172		3319					
I	Height over cab (FOPS guard)	mm	2965		2965		3112					
J	Height over grab rail	mm	3002		3002		3149					
K	Ground clearance	mm	425		425		470					
L	Track height	mm	811		811		880					
			Mono		Mono		T.A.B		Mono		T.A.B	
Dipper lengths			2.5m	3.0m	2.5m	3.0m	2.5m	3.0m	2.5m	3.0m	2.5m	3.0m
M	Transport length	mm	7659	7604	7659	7604	7726	7628	7659	7604	7726	7628
N	Transport height	mm	3002	3289	3002	3289	3002	3236	3149	3543	3149	3543

SPECIFICATION I40X, I50X

ENGINE		
	I40X	I50X
Model	JCB Dieselmax 448 TCA EU Stage V	
Type	4-stroke, 4-cylinder in-line, common rail, direct injection, turbocharged and intercooled diesel	
Rated power	81kW (109 hp) at 2200rpm (ISO 14396)	
Piston displacement	4.765 litres	
Air filtration	Dry element with secondary safety element and in cab warning indicator	
Starting system	24 volt	
Batteries	2 x 12 volt	
Alternator	28 volt – 100 ampere	
Maximum torque	516Nm	
Bore and stroke	106mm & 135mm	

SWING SYSTEM	
Swing motor	Axial piston
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake
Swing torque	36.0 kNm
Swing speed	13.1 rpm
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated
Dipstick	Remote

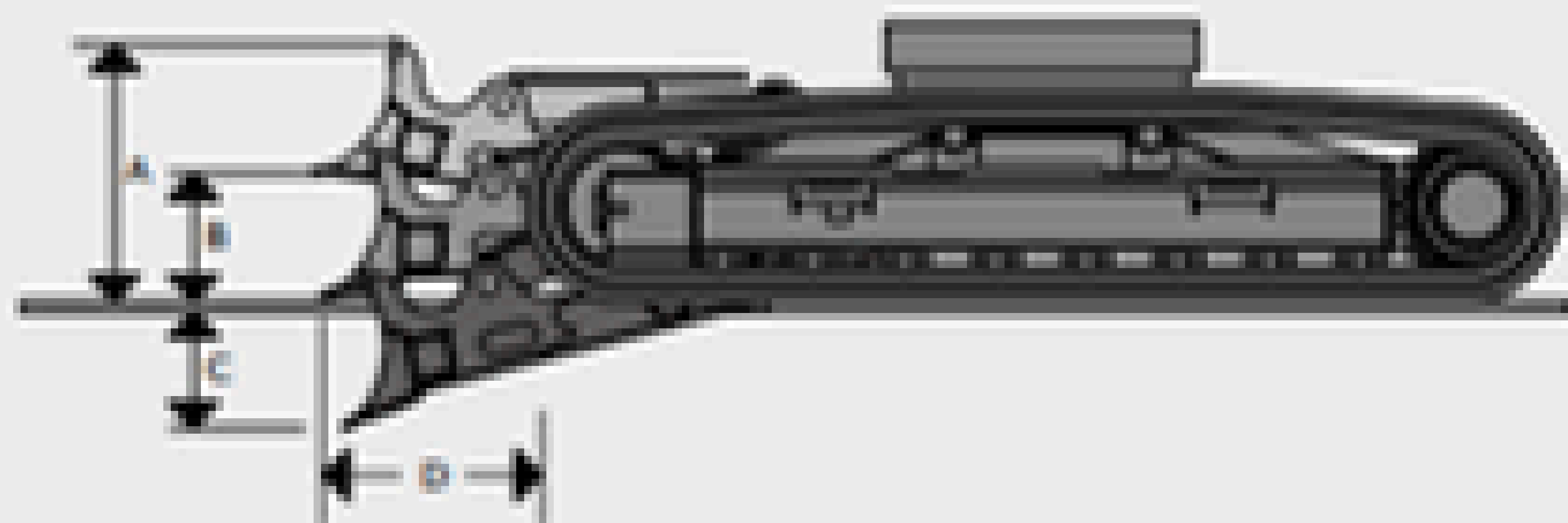
TRACK DRIVE		
Type	Fully hydrostatic, two speed with auto shift	
Travel motors	Variable swash axial piston type, fully guarded within undercarriage frame	
Final drive	Planetary reduction, bolt-on sprockets	
Service brake	Hydraulic counter balance valve	
Park brake	Disc type, spring applied, automatic hydraulic release	
Gradeability	70% (35 deg) continuous	
Travel speed	I40X LC/I50X LC	I50X HD
	High – 6.6 km/h	High – 4.3 km/h
	Low – 3.8 km/h	Low – 2.5 km/h
Tractive effort	116 kNm	194.3 kNm

HYDRAULIC SYSTEM			
Pumps			
Main pumps	2 variable displacement axial piston type		
Maximum flow	2 X 130 l/min		
Servo pump	Gear type		
Servo pump maximum flow	30 l/min		
Control valve			
A combined four and five spool control valve with auxiliary service spool as standard			
Relief valve settings			
Boom/Arm/Bucket	314 bar		
With power boost	343 bar		
Swing circuit	279 bar		
Travel circuit	343 bar		
Pilot control	40 bar		
Filtration			
In tank	105 micron, suction strainer		
Main return line	10 micron, glass fibre element		
Pilot drain line	10 micron, glass fibre element		
Pilot line	10 micron, glass fibre element		
Hydraulic hammer return	10 micron, reinforced microform element		
Hydraulic cylinders			
	Quantity	Bore mm	Rod diameter mm
Boom	2	100	75
Arm	1	115	80
Bucket	1	100	70
TAB	1	140	75

SPECIFICATION 140X, 150X

SERVICE CAPACITIES			
Fuel tank	Litres		260
Engine coolant	Litres		19.7
Engine oil	Litres		14
Swing reduction gear	Litres		2.2
Track reduction gear (each side)	Litres		3.5
Hydraulic system	Litres		126
Hydraulic tank	Litres		133
DEF fluid	Litres		47.7

OPTIONAL BLADE



A	Blade height	mm	901
B	Blade lift above ground	mm	448
C	Blade cut below ground	mm	508
D	Blade forward of track	mm	412
	Dozer width – 500mm tracks	mm	2490
	Dozer width – 600mm tracks	mm	2610
	Dozer width – 700mm tracks	mm	2710
Additional machine weight with blade			
	500mm tracks	kg	806
	600mm tracks	kg	814
	700mm tracks	kg	821

SOUND LEVEL	
Sound level in cab according to ISO 6396	67 dB LpA
External sound level according to ISO 6395 and EU Directive 2000/14/EC	100 dB LwA

UNDERCARRIAGE						
Carriage options	LC – Long Carriage, HD – Heavy Duty Carriage.					
Construction	Fully welded 'X' frame type with central bellyguarding and sloping sidemembers with dirt relief holes under top rollers.					
Recovery point	Front and rear.					
Track type	Sealed and lubricated.					
Upper and lower rollers	Heat treated, sealed and lubricated.					
Track adjustment	Grease cylinder type.					
Track idler	Sealed and lubricated, with spring cushioned recoil.					
Track shoe options	500mm	600mm	700mm	800mm (HD only)	850mm	900mm (HD only)
	•••	••	•	•	•	•
No. of upper rollers (per side)	2					
No. of lower rollers (per side)	7					
No. of track guides (per side)	1					
No. of track shoes (per side)	44 (43 on HD)					
TRIPLE GROUSER	•					
GEORIP	•					
RUBBER SHOES	•					


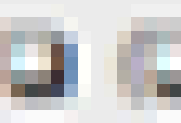
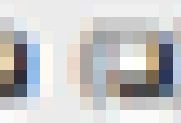

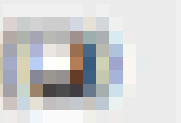
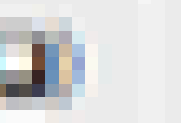



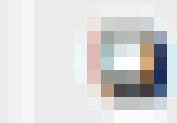

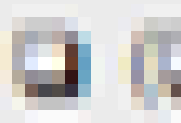
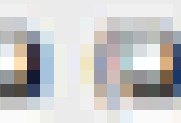

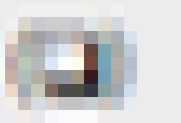
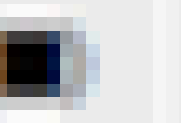
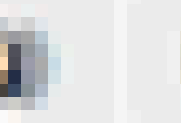

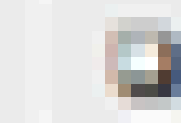
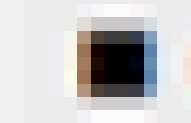
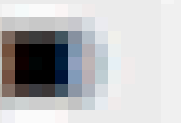


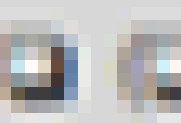
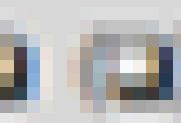


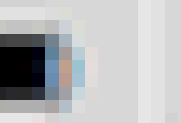



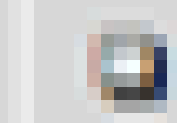









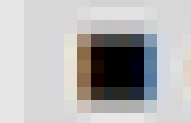

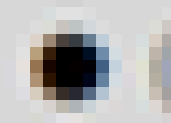

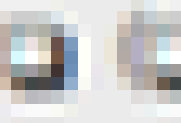
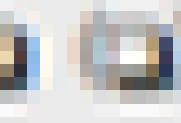


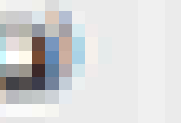


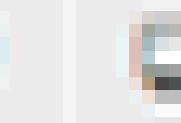
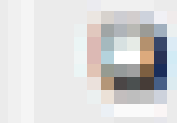




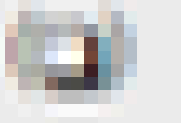
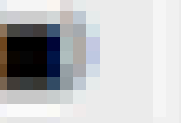
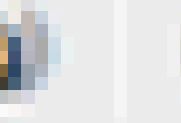

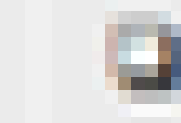
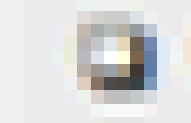
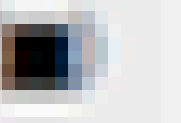
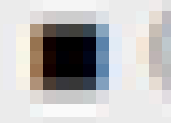

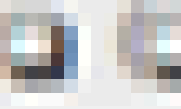
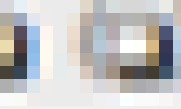

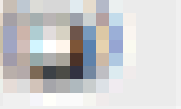
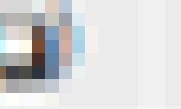
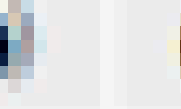

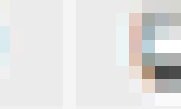
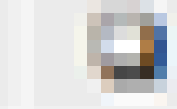
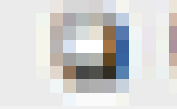
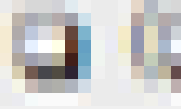

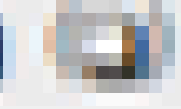

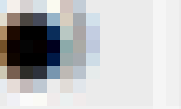
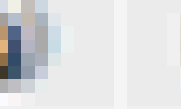
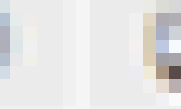
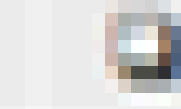
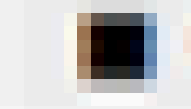
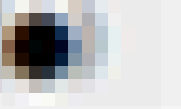

WEIGHTS AND GROUND BEARING PRESSURES





Figures include standard 442kg bucket, operator, full fuel tank and 2.5m dipper.

		500mm shoes	600mm shoes	700mm shoes	800mm shoes	850mm shoes	900mm shoes
140X LC Monoboom							
Machine weight	kg	14521	14737	14952	-	15275	-
Ground bearing pressure	kg/cm <sup>2</sup>	0.51	0.43	0.37	-	0.31	-
150X LC Monoboom							
Machine weight	kg	15121	15337	15552	-	15875	-
Ground bearing pressure	kg/cm <sup>2</sup>	0.53	0.45	0.39	-	0.33	-
150X LC T.A.B.							
Machine weight	kg	15588	15803	16019	-	16342	-
Ground bearing pressure	kg/cm <sup>2</sup>	0.54	0.46	0.40	-	0.34	-
150X HD Monoboom							
Machine weight	kg	-	16684	16920	17159	-	17394
Ground bearing pressure	kg/cm <sup>2</sup>	-	0.45	0.39	0.35	-	0.31
150X HD T.A.B.							
Machine weight	kg	-	17151	17387	17625	-	17861
Ground bearing pressure	kg/cm <sup>2</sup>	-	0.46	0.40	0.36	-	0.32



SPECIFICATION I40X, I50X

BUCKET AND ARM COMBINATION																						I40X	
Bucket options		GP Bucket								HD Bucket						Ditch Maintenance		HD Bucket					
Bucket width	mm	450	600	700	800	900	1000	1250	1350	458	610	762	915	991	1219	1524	1836	600	700	800	1000	1200	1300
Bucket capacity	m³	0.21	0.35	0.42	0.50	0.54	0.66	0.81	0.89	0.20	0.26	0.34	0.43	0.50	0.61	0.65	0.79	0.35	0.42	0.50	0.66	0.81	0.89
Bucket weight	kg	307	342	366	401	425	460	506	542	275	310	357	402	424	493	475	535	336	364	402	455	520	547
I40X LC																							
2.5 m Quickhitch (No Quickhitch)																							
3.0 m Quickhitch (No Quickhitch)																							
I40X LCD																							
2.5 m Quickhitch (No Quickhitch)																							
3.0 m Quickhitch (No Quickhitch)																							

-  = Suitable for general excavating materials up to 1800kg/m³.
-  = Suitable for grading and loading materials up to 1500kg/m³.
-  = Suitable for light excavating materials up to 1200kg/m³.
-  = Not recommended.

These recommendations are given as a guide based on typical operating conditions.  
Please contact your distributor for the correct selection of buckets and attachments to suit the application.

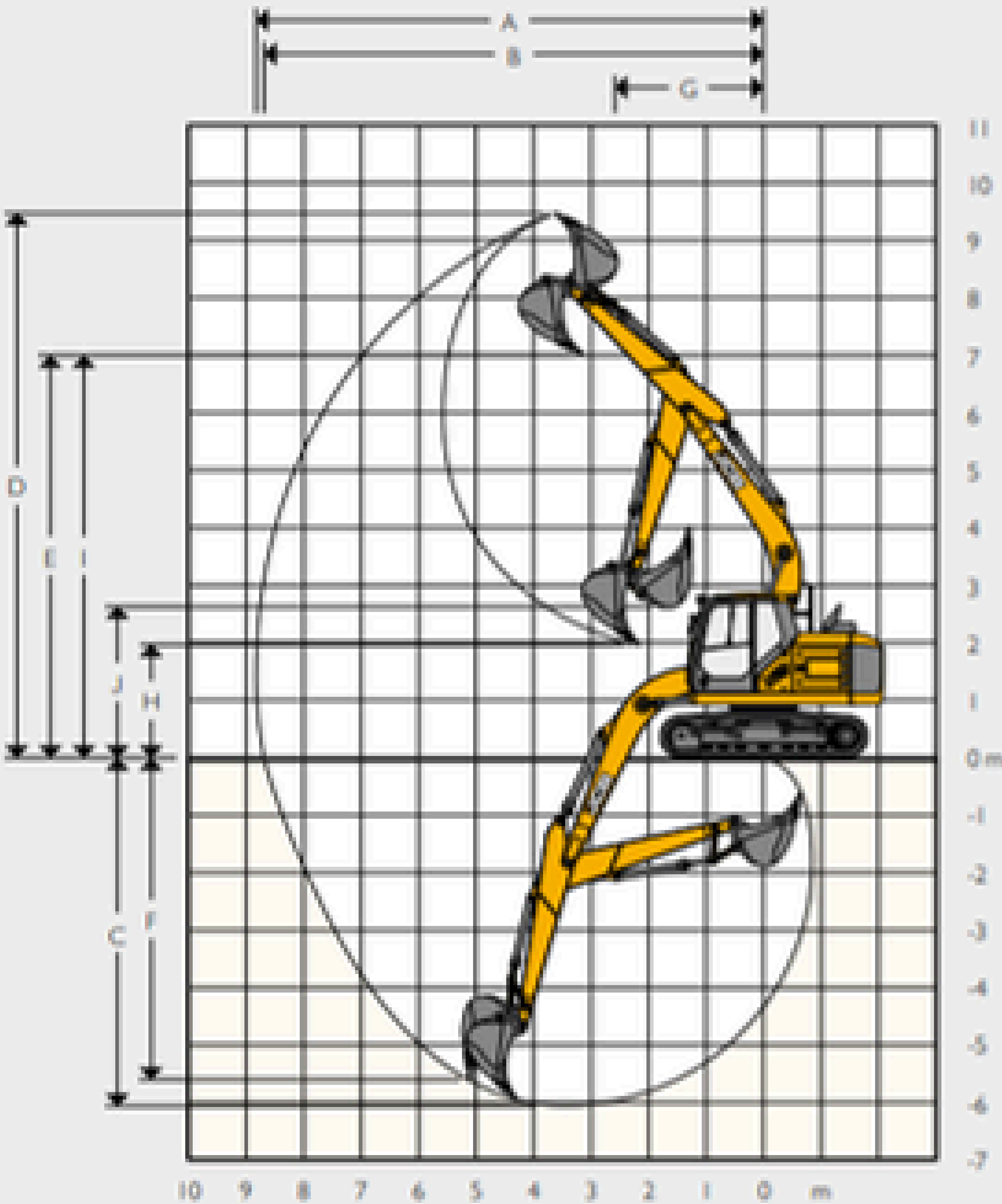
SPECIFICATION 140X, 150X


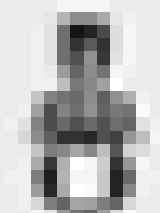



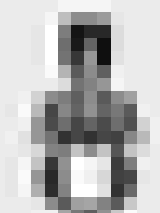




WORKING RANGE – MONOBOOM 4.7M150X HD

Dipper length:		2.5m	3.0m
A	Maximum digging reach	mm	8385
B	Maximum digging reach (on ground)	mm	8225
C	Maximum digging depth	mm	5484
D	Maximum digging height	mm	9240
E	Maximum dumping height	mm	6764
F	Maximum vertical wall cut depth	mm	5018
G	Minimum swing radius	mm	2212
H	Minimum dumping height	mm	2473
I	Maximum swing height	mm	6787
J	Minimum swing height	mm	3188
	Maximum dipper tearout	Kgf	6587
	Maximum bucket tearout	Kgf	10452

WORKING RANGE – MONOBOOM 4.7M140X LC AND 150X LC

Dipper length:		2.5m	3.0m
A	Maximum digging reach	mm	8385
B	Maximum digging reach (on ground)	mm	8240
C	Maximum digging depth	mm	5564
D	Maximum digging height	mm	9164
E	Maximum dumping height	mm	6684
F	Maximum vertical wall cut depth	mm	5098
G	Minimum swing radius	mm	2212
H	Minimum dumping height	mm	2393
I	Maximum swing height	mm	6707
J	Minimum swing height	mm	3108
	Maximum dipper tearout	Kgf	6587
	Maximum bucket tearout	Kgf	10452



LIFT CAPACITIES – DIPPER LENGTH: 2.5M, MONOBOOM: 4.7M, TRACKSHOES: 500MM, NO BUCKET											HQX LC MONO
Reach	3m		4m		5m		6m		Capacity at Max. Reach		
											
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6m	-	-	2780*	2780*	2970*	2970*	-	-	2350*	2350*	5491
4.5m	-	-	3160*	3160*	3070*	3070*	3070*	2690	2180*	2180*	6438
3m	5280*	5280*	4160*	4160*	3410*	3450	3310*	2620	2160*	2080	6942
1.5m	7570*	6840	5350*	4490	4280*	3270	3690*	2520	2270*	1970	7096
0m	7090*	6540	6100*	4270	4730	3130	3630	2440	2520*	2000	6927
- 1.5m	8250*	6500	6200*	4200	4660	3070	3590	2410	3030*	2210	6407
- 3m	7270*	6600	5580*	4250	4330*	3120	-	-	3780*	2800	5436

LIFT CAPACITIES – DIPPER LENGTH: 3.0M, MONOBOOM: 4.7M, TRACKSHOES: 500MM, NO BUCKET											HQX LC MONO
Reach	3m		4m		5m		6m		Capacity at Max. Reach		
											
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6m					2520*	2520*	2390*	2390*	2160*	2160*	6072
4.5m			2660*	2660*	2690*	2690*	2720*	2720*	2030*	2030*	6940
3m	4380*	4380*	3650*	3650*	3260*	3260*	3030*	2640	2020*	1880	7409
1.5m	6800*	6800*	4910*	4540	3990*	3290	3460*	2520	2120*	1780	7554
0m	7810*	6520	5840*	4260	4590*	3120	3610	2420	2330*	1800	7395
- 1.5m	8330*	6400	6160*	4140	4620	3030	3550	2360	2750*	1960	6911
- 3m	7670*	6460	5820*	4150	4580*	3030	3550*	2390	3530*	2380	6023



Lift capacity front and rear.













Lift capacity full circle.











Notes:

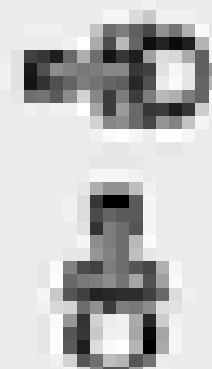
- 1. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked\* are based on hydraulic capacity.
- 2. Lift capacities assume that the machine is on firm, level ground.
- 3. Lift capacities may be limited by local regulations. Please refer to your dealer.



SPECIFICATION 140X, 150X

LIFT CAPACITIES – DIPPER LENGTH: 2.5M, MONOBOOM: 4.7M, TRACKSHOES: 500MM, NO BUCKET											H40X LCD MONO
Reach	3m		4m		5m		6m		Capacity at Max. Reach		
											
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6m			2780*	2780*	2970*	2970*			2350*	2350*	5491
4.5m			3160*	3160*	3070*	3070*	3070*	2820	2180*	2180*	6438
3m	5280*	5280*	4160*	4160*	3610*	3610	3310*	2750	2160*	2160*	6942
1.5m	7570*	7160	5350*	4700	4280*	3430	3690*	2650	2270*	2070	7096
0m	7090*	6860	6100*	4480	4790*	3290	3830	2560	2520*	2100	6927
– 1.5m	8250*	6820	6200*	4410	4900	3230	3800	2530	3030*	2330	6407
– 3m	7270*	6920	5580*	4460	4330*	3270			3780*	2940	5436

LIFT CAPACITIES – DIPPER LENGTH: 3.0M, MONOBOOM: 4.7M, TRACKSHOES: 500MM, NO BUCKET											H40X LCD MONO
Reach	3m		4m		5m		6m		Capacity at Max. Reach		
											
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6m					2520*	2520*	2390*	2390*	2160*	2160*	6072
4.5m			2660*	2660*	2690*	2690*	2720*	2720*	2030*	2030*	6940
3m	4380*	4380*	3650*	3650*	3260*	3260*	3030*	2770	2020*	1970	7409
1.5m	6800*	6800*	4910*	4750	3990*	3440	3460*	2650	2120*	1870	7554
0m	7810*	6840	5840*	4470	4590*	3270	3810	2540	2330*	1890	7395
– 1.5m	8330*	6720	6160*	4350	4850*	3180	3750	2490	2750*	2060	6911
– 3m	7670*	6780	5820*	4360	4580*	3190	3550*	2520	3530*	2510	6023



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.
3. Lift capacities may be limited by local regulations. Please refer to your dealer.