

SPECIFICATION



TRACKED EXCAVATOR | I45XR

Max. operating weight: 14,750 - 18,871kg Max. engine power: 81kW (109hp) Max. bucket capacity: 0.21 - 0.89m³



MINIMUM SWING. MAXIMUM SPACE.

The new JCB 145XR is the latest addition to our highly acclaimed X Series range. Building on the strong reputation of the conventional 140X, our engineering teams have designed the 145XR to deliver you the performance you need, all in a compact design with an ultra-tight slew radius.

MINIMUM SWING.

The 145XR has a 27% shorter tailswing than the conventional 140X, making it ideal for work in confined urban sites and highways.



MAXIMUM SPACE

The new 145XR features the full-size CommandPlus cab. Equipped with JCB UX it's one of the biggest, most comfortable, quiet and easy to operate cabs on the market.

EXTREME STRENGTH

It's taken extensive hydraulic, electrical and structural development and testing to build a machine that doesn't just look strong, but is strong.



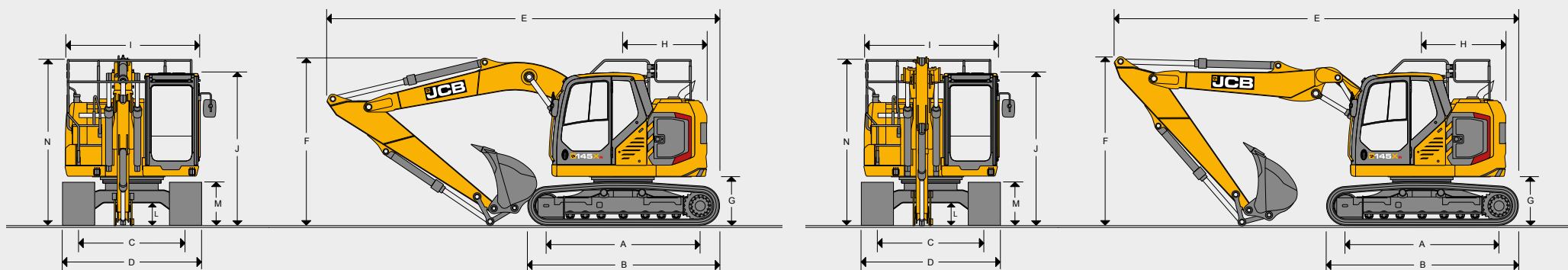
EXTRAORDINARY DETAIL

The 145XR follows the same high quality X Series design ethos and utilises cutting-edge production facilities to bring you not just great excavators, but exceptional ones.

EXCELLENT CONTROL

Premium quality hydraulics deliver precise, efficient control. Customisable electro-proportional controls allow operators to set speed and attachment preferences.

STATIC DIMENSIONS



STATIC DIMENSIONS

Model		145 XR			
Undercarriage variant		LC		HD	
A	Track length on ground	mm	2865		3170
B	Undercarriage overall length	mm	3590		3967
C	Track Gauge	mm	1990		2200
D	Width over tracks (500mm track shoes)	mm	2490		-
D	Width over tracks (600mm track shoes)	mm	2590		2800
D	Width over tracks (700mm track shoes)	mm	2690		2900
D	Width over tracks (800mm track shoes)	mm	-		3000
D	Width over tracks (850mm track shoes)	mm	2840		-
D	Width over tracks (900mm track shoes)	mm	-		3100
G	Counterweight clearance	mm	920		1019
H	Tail swing radius / Tail length	mm	1565		1565
I	Overall width of superstructure	mm	2500		2500
I	Overall width of superstructure (with cab grab handle)	mm	2523		2523
J	Height over cab	mm	2863		2962
L	Ground clearance	mm	426		472
M	Track height	mm	810		897
N	Overall height of upper structure with standard handrail	mm	3096		3195
		Monoboom			
Dipper lengths		2.5m	3.0m	2.5m	3.0m
E	Transport length	mm	7328	7450	7483
F	Transport height with standard handrail	mm	3096	3190	3195
		T.A.B			
Dipper lengths		2.5m	3.0m	2.5m	3.0m
E	Transport length	mm	7610	7762	7656
F	Transport height with standard handrail	mm	3096	3135	3195

ENGINE

Model	JCB DieselMAX 448 Stage V
Type	4 Stroke, 4 cylinder in-line, direct injection, turbocharged diesel
Rated power	81kW (109hp)
Piston displacement	4.8 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 & stroke	106mm x 135mm

SWING SYSTEM

Swing motor	Axial piston type
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake
Swing torque	34kNm
Swing speed	14.1rpm
Swing gear	Large diameter, internally toothed fully sealed great bath lubricated.
Swing lock	Switchable brake in cab

TRACK DRIVE

Type	Fully hydrostatic, two speed with autoshift	
Travel motors	Variable swash axial piston type, fully guarded with undercarriage frame	
Final drive	Planetary reduction, bolt-on sprockets	
Service brake	Hydraulic counterbalance valve	
Park brake	Disc-type, spring applied, automatic hydraulic release	
Gradeability	70% (35 degree) continuous	
	LC	HD
Travel speed	High - 5.3 km/h Low - 3.1 km/h	High - 4.3 km/h Low - 2.5 km/h
Tractive effort	127.5 kN	154.3kN

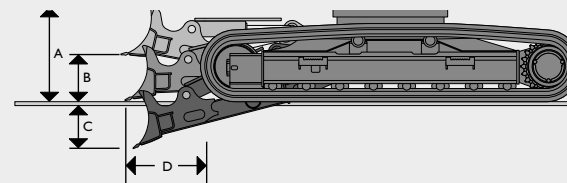
SERVICE CAPACITIES

Fuel tank	litres	180
Engine coolant	litres	20
Engine oil	litres	21
Swing reduction gear	litres	3.2
Track reduction gear	litres	2.1L (Standard) 4L (HD)
Hydraulic system	litres	130
Hydraulic tank	litres	74
DEF fluid capacity	litres	18

HYDRAULIC SYSTEM

Pumps	
Main pumps	2 variable displacement axial piston type
Maximum flow	2x131 l/min
Servo pump	Gear type
Servo pump maximum flow	17 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 line	15 micron, glass fibre element
Hydraulic hammer return	10 micron, glass fibre element

OPTIONAL BLADE



A	Blade Height	mm	847
B	Blade lift above ground	mm	390
C	Blade cut below ground	mm	516
D	Blade forward of track	mm	418
	Dozer width - (500mm)	mm	2490
	Dozer width - (600mm)	mm	2610
	Dozer width - (700mm)	mm	2710

Additional machine weight with blade

500mm tracks	kg	796
600mm tracks	kg	904
700mm tracks	kg	911

SOUND LEVEL

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

BUCKET AND ARM COMBINATION - MONOBOOM

Bucket options		GP Bucket						HD Bucket					
Bucket width	mm	457	610	762	915	1067	1219	600	700	800	1000	1200	1300
Bucket capacity	m ³	0.23	0.3	0.42	0.54	0.66	0.78	0.35	0.42	0.5	0.66	0.81	0.89
Bucket weight	kg	284	308	346	394	442	478	336	364	402	455	520	547

LC

2.5m Quickhitch (No Quickhitch)													
3.0m Quickhitch (No Quickhitch)													

LC Dozer

2.5m Quickhitch (No Quickhitch)													
3.0m Quickhitch (No Quickhitch)													

HD

2.5m Quickhitch (No Quickhitch)													
3.0m Quickhitch (No Quickhitch)													

BUCKET AND ARM COMBINATION - T.A.B

Bucket options		GP Bucket						HD Bucket					
Bucket width	mm	457	610	762	915	1067	1219	600	700	800	1000	1200	1300
Bucket capacity	m ³	0.23	0.3	0.42	0.54	0.66	0.78	0.35	0.42	0.5	0.66	0.81	0.89
Bucket weight	kg	284	308	346	394	442	478	336	364	402	455	520	547

LC

2.5m Quickhitch (No Quickhitch)													
3.0m Quickhitch (No Quickhitch)													

LC Dozer

2.5m Quickhitch (No Quickhitch)													
3.0m Quickhitch (No Quickhitch)													

HD

2.5m Quickhitch (No Quickhitch)													
3.0m Quickhitch (No Quickhitch)													

 = Suitable for general excavating materials up to 2000kg/m³.

 = Suitable for grading and loading materials up to 1600kg/m³.

 = Suitable for light excavating materials up to 1200kg/m³.

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.

UNDERCARRIAGE

Construction	Fully welded 'X' frame type with central belly guarding and sloping side members with dirt relief holes under top rollers					
Recovery point	Front and rear					
Upper and lower rollers	Heat treated, sealed and lubricated					
Track adjustment	Grease cylinder type					
Track idler	Sealed and lubricated, with spring cushioned recoil					
Track type	Sealed and lubricated					
Track shoe options	500mm	600mm	700mm	800mm	850mm	900mm
	LC	LC	LC		LC	
		HD	HD	HD		HD
	LC			HD		
No. of upper rollers	2			2		
No. of lower rollers	7			7		
No. of track guides (option)	1 or 2			1 or 2		
No. of track shoes	44			43		

WEIGHTS AND GROUND BEARING PRESSURES

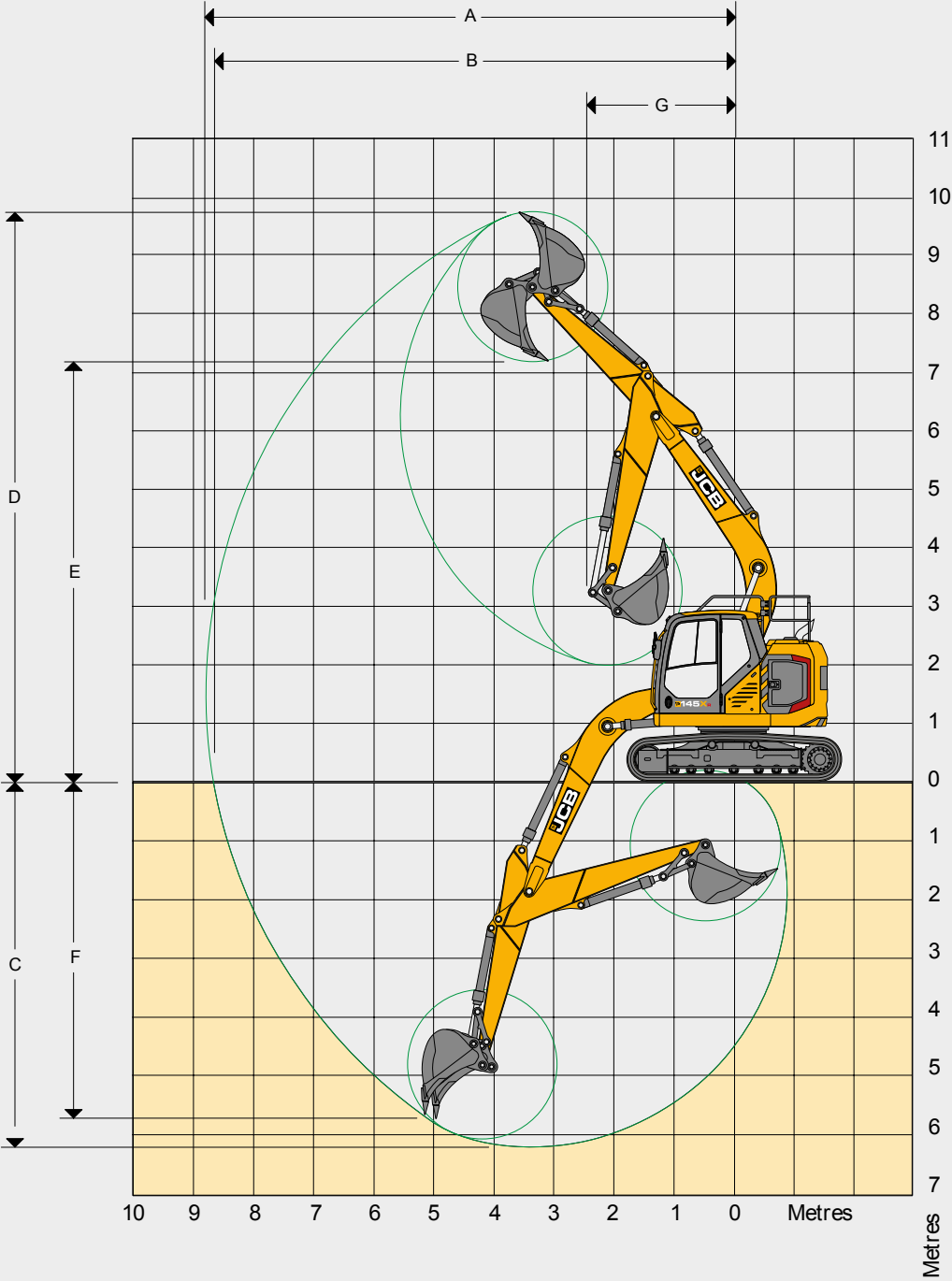
0.59m ³ bucket 442kg, operator 75kg, full fuel tank and 3.0m dipper, quarry handrail & ROPS/FOPS Guards							
	Track Shoe options						
	500mm	600mm	700mm	800mm	850mm	900mm	
LC Monoboom							
Machine weight	kg	15643	15847	16048	-	16366	-
Ground bearing pressure	kg/cm ²	0.55	0.46	0.4	-	0.34	-
LC T.A.B.							
Machine weight	kg	16142	16346	16547	-	16885	-
Ground bearing pressure	kg/cm ²	0.56	0.48	0.41	-	0.35	-
HD Monoboom							
Machine weight	kg	-	17645	17880	18136	-	18372
Ground bearing pressure	kg/cm ²	-	0.46	0.4	0.36	-	0.32
HD T.A.B.							
Machine weight	kg	-	18144	18379	18635	-	18871
Ground bearing pressure	kg/cm ²	-	0.48	0.41	0.37	-	0.33
LC Monoboom Dozer							
Machine weight	kg	16438	16851	16859	-	-	-
Ground bearing pressure	kg/cm ²	0.57	0.49	0.42	-	-	-
LC T.A.B. Dozer							
Machine weight	kg	16938	17151	17359	-	-	-
Ground bearing pressure	kg/cm ²	0.59	0.5	0.43	-	-	-

WORKING RANGE I45XR LC MONO

Dipper length:		2.5m	3.0m
A	Maximum digging reach	mm	8345
B	Maximum digging reach (on ground)	mm	8202
C	Maximum digging depth	mm	5574
D	Maximum digging height	mm	9152
E	Maximum dumping height	mm	6674
F	Maximum vertical wall cut depth	mm	5108
G	Minimum swing radius	mm	2080
	Bucket rotation	degrees	182
	Maximum dipper tearout	kN	64.6 kN
	Maximum bucket tearout	kN	104.5 kN

WORKING RANGE I45XR HD MONO

Dipper length:		2.5m	3.0m
A	Maximum digging reach	mm	8345
B	Maximum digging reach (on ground)	mm	8183
C	Maximum digging depth	mm	5475
D	Maximum digging height	mm	9251
E	Maximum dumping height	mm	6773
F	Maximum vertical wall cut depth	mm	5009
G	Minimum swing radius	mm	2080
	Bucket rotation	degrees	182
	Maximum dipper tearout	kN	64.6 kN
	Maximum bucket tearout	kN	104.5 kN

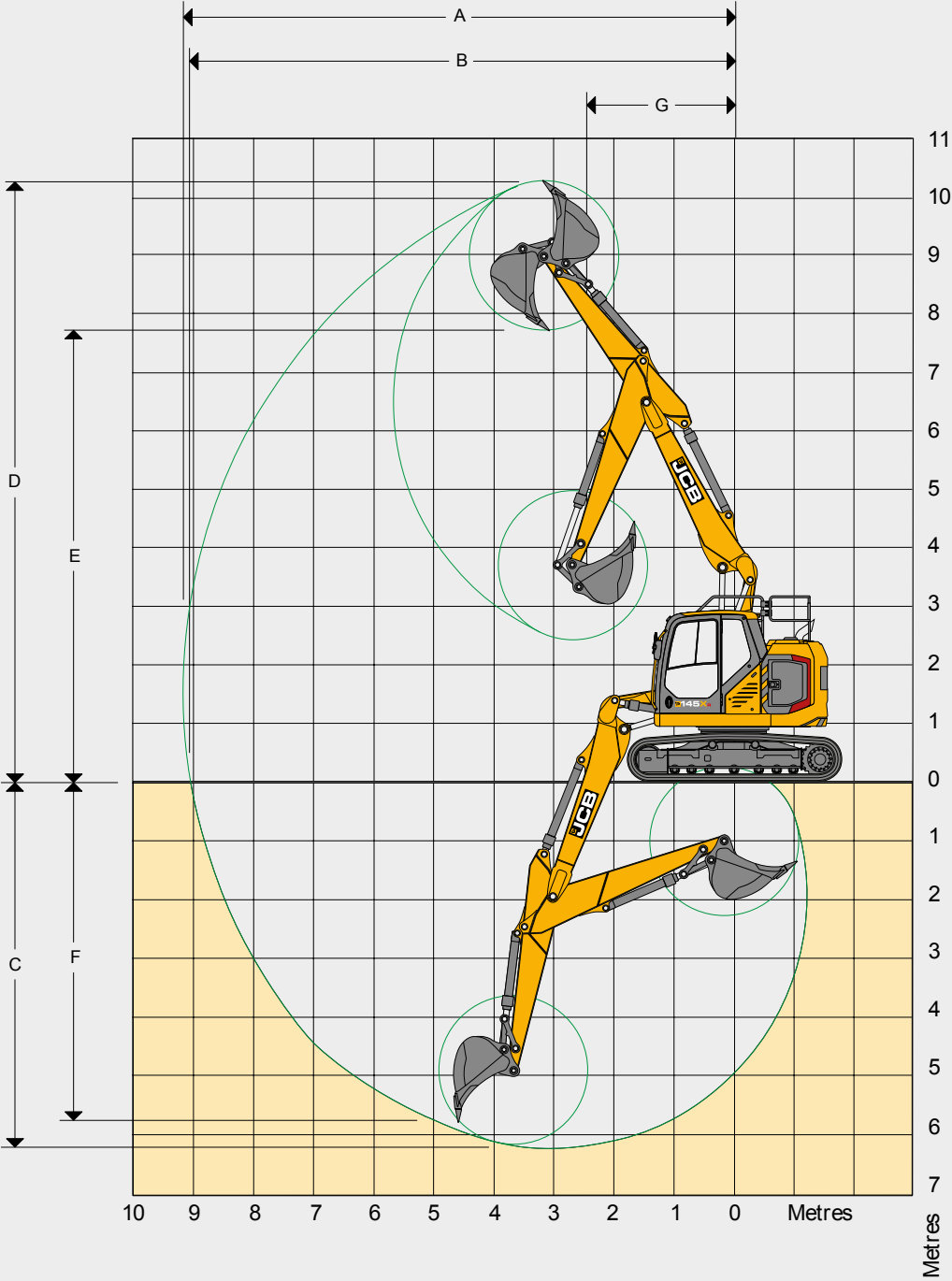


WORKING RANGE I45XR LC TAB

Dipper length:			2.5m	3.0m
A	Maximum digging reach	mm	8755	9230
B	Maximum digging reach (on ground)	mm	8619	9101
C	Maximum digging depth	mm	5676	6167
D	Maximum digging height	mm	9675	10052
E	Maximum dumping height	mm	7180	7557
F	Maximum vertical wall cut depth	mm	5210	5697
G	Minimum swing radius	mm	2607	3023
	Bucket rotation	degrees	182	182
	Maximum dipper tearout	kN	64.6 kN	58.7 kN
	Maximum bucket tearout	kN	104.5 kN	104.5 kN

WORKING RANGE I45XR HD TAB

Dipper length:			2.5m	3.0m
A	Maximum digging reach	mm	8755	9230
B	Maximum digging reach (on ground)	mm	8601	9084
C	Maximum digging depth	mm	5577	6068
D	Maximum digging height	mm	9774	10151
E	Maximum dumping height	mm	7279	7656
F	Maximum vertical wall cut depth	mm	5111	5598
G	Minimum swing radius	mm	2607	3023
	Bucket rotation	degrees	182	182
	Maximum dipper tearout	kN	64.6 kN	58.7 kN
	Maximum bucket tearout	kN	104.5 kN	104.5 kN



LIFT CAPACITIES - DIPPER LENGTH 2.5M, MONOBOOM, TRACKSHOES, 500MM, NO BUCKET

I45XR LC MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2825*	2825*	3765
6m					3601*	3601*					2259*	2259*	5489
4.5m					3887*	3887*	3475*	2455			2088*	2088*	6437
3m			6519*	6519*	4786*	3680	3491	2375			2069*	1872	6942
1.5m			7693*	6105	5192	3410	3370	2263			2163*	1759	7098
0m			6743*	5782	4978	3219	3271	2171			2393*	1781	6930
-1.5m	4865*	4865*	9760	5744	4898	3147	3236	2139			2867*	1969	6411
-3m	8839*	8839*	8960*	5852	4948	3191					3777	2495	5442
-4.5m													

LIFT CAPACITIES - DIPPER LENGTH 2.5M, MONOBOOM, TRACKSHOES, 700MM, NO BUCKET

I45XR LC MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2825*	2825*	3765
6m					3601*	3601*					2259*	2259*	5489
4.5m					3887*	3887*	3475*	2518			2088*	2088*	6437
3m			6519*	6519*	4786*	3770	3587	2438			2069*	1924	6942
1.5m			7693*	6266	5335	3500	3466	2326			2163*	1810	7098
0m			6743*	5943	5122	3310	3367	2234			2393*	1834	6930
-1.5m	4865*	4865*	10038	5905	5041	3238	3332	2202			2867*	2027	6411
-3m	8839*	8839*	8960*	6013	5090	3282					3886	2566	5442
-4.5m													

LIFT CAPACITIES - DIPPER LENGTH 3.0M, MONOBOOM, TRACKSHOES, 500MM, NO BUCKET

I45XR LC MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2621*	2621*					2445*	2445*	4574
6m					3023*	3023*	2265*	2265*			2061*	2061*	6068
4.5m					3364*	3364*	3426*	2494			1932*	1925	6937
3m			5430*	5430*	4285*	3747	3518	2396			1923*	1684	7407
1.5m			8420*	6272	5242	3448	3377	2266	2261*	1604	2008*	1586	7553
0m			7418*	5786	4980	3214	3255	2152			2205*	1597	7395
-1.5m	4373*	4373*	9359*	5658	4854	3102	3190	2092			2592*	1737	6913
-3m	7508*	7508*	9485*	5718	4860	3107	3226	2126			3208	2116	6026
-4.5m			7232*	5959							4519*	3286	4498



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.

LIFT CAPACITIES - DIPPER LENGTH 3.0M, MONOBOOM, TRACKSHOES, 700MM, NO BUCKET

I45XR LC MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2621*	2621*					2445*	2445*	4574
6m					3023*	3023*	2265*	2265*			2061*	2061*	6068
4.5m					3364*	3364*	3426*	2558			1932*	1932*	6937
3m			5430*	5430*	4285*	3838	3614	2460			1923*	1733	7407
1.5m			8420*	6434	5384	3539	3473	2330	2261*	1653	2008*	1634	7553
0m			7418*	5946	5122	3305	3351	2216			2205*	1646	7395
-1.5m	4373*	4373*	9359*	5819	4996	3193	3286	2156			2592*	1790	6913
-3m	7508*	7508*	9485*	5878	5003	3198	3322	2189			3304	2178	6026
-4.5m			7232*	6119							4519*	3377	4498

LIFT CAPACITIES - DIPPER LENGTH 2.5M, MONOBOOM, TRACKSHOES, 700MM, NO BUCKET

I45XR HD MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2773*	2773*	3886
6m					3595*	3595*					2244*	2244*	5550
4.5m					3920*	3920*	3548*	3151			2084*	2084*	6472
3m			6673*	6673*	4840*	4718	4164*	3067			2071*	2071*	6958
1.5m			7384*	7384*	5926*	4441	4597	2952			2171*	2171*	7097
0m			6844*	6844*	6659*	4250	4497	2861			2410*	2362	6912
-1.5m	5041*	5041*	10134*	7778	6776*	4182	4465	2832			2902*	2624	6375
-3m	9084*	9084*	8866*	7900	6044*	4234					4090*	3344	5377
-4.5m													

LIFT CAPACITIES - DIPPER LENGTH 2.5M, MONOBOOM, TRACKSHOES, 900MM, NO BUCKET

I45XR HD MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2773*	2773*	3886
6m					3595*	3595*					2244*	2244*	5550
4.5m					3920*	3920*	3548*	3188			2084*	2084*	6472
3m			6673*	6673*	4840*	4770	4164*	3103			2071*	2071*	6958
1.5m			7384*	7384*	5926*	4493	4630*	2988			2171*	2171*	7097
0m			6844*	6844*	6659*	4303	4553	2897			2410*	2392	6912
-1.5m	5041*	5041*	10134*	7874	6776*	4234	4521	2868			2902*	2658	6375
-3m	9084*	9084*	8866*	7996	6044*	4287					4090*	3386	5377
-4.5m													



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.

LIFT CAPACITIES - DIPPER LENGTH 3.0M, MONOBOOM, TRACKSHOES, 700MM, NO BUCKET

I45XR HD MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2788*	2788*					2413*	2413*	462
6m					3024*	3024*	2398*	2398*			2050*	2050*	6124
4.5m					3398*	3398*	3445*	3192			1929*	1929*	6969
3m			5579*	5579*	4341*	4341*	3832*	3089			1925*	1925*	7422
1.5m			8546*	8299	5512*	4481	4366*	2955	2267*	2122	2015*	2015*	7553
0m			7436*	7436*	6413*	4245	4481	2841			2219*	2131	7379
-1.5m	4511*	4511*	9530*	7688	6749*	4135	4417	2784			2619*	2328	6879
-3m	7698*	7698*	9414*	7759	6356*	4147					3499*	2844	5967
-4.5m			7050*	7050*							4512*	4489	4393

LIFT CAPACITIES - DIPPER LENGTH 3.0M, MONOBOOM, TRACKSHOES, 900MM, NO BUCKET

I45XR HD MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2788*	2788*					2413*	2413*	4672
6m					3024*	3024*	2398*	2398*			2050*	2050*	6124
4.5m					3398*	3398*	3445*	3228			1929*	1929*	6969
3m			5579*	5579*	4341*	4341*	3832*	3125			1925*	1925*	7422
1.5m			8546*	8395	5512*	4533	4366*	2992	2267*	2150	2015*	2015*	7553
0m			7436*	7436*	6413*	4298	4537	2878			2219*	2159	7379
-1.5m	4511*	4511*	9530*	7783	6749*	4188	4474	2820			2619*	2359	6879
-3m	7698*	7698*	9414*	7855	6356*	4200					3499*	2881	5967
-4.5m			7050*	7050*							4512*	4512*	4393

LIFT CAPACITIES - DIPPER LENGTH 2.5M, MONOBOOM, TRACKSHOES, 500MM, NO BUCKET

I45XR LC DOZER MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2824*	2824*	3766
6m					3601*	3601*					2258*	2258*	5489
4.5m					3887*	3887*	3475*	2581			2088*	2088*	6438
3m			6518*	6518*	4786*	3861	3484	2502			2069*	1978	6942
1.5m			7692*	6427	5181	3591	3363	2389			2163*	1862	7098
0m			6744*	6104	4968	3400	3264	2297			2393*	1887	6930
-1.5m	4865*	4865*	9739	6066	4887	3328	3229	2265			2866*	2085	6411
-3m	8839*	8839*	8960*	6174	4937	3373					3768	2637	5442
-4.5m													



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.

LIFT CAPACITIES - DIPPER LENGTH 2.5M, MONOBOOM, TRACKSHOES, 700MM, NO BUCKET

I45XR LC DOZER MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m												2824*	3766
6m					3601*	3601*						2258*	5489
4.5m					3887*	3887*	3475*	2644				2088*	6438
3m			6518*	6518*	4786*	3951	3565	2564				2069*	6942
1.5m			7692*	6587	5302	3681	3444	2452				2163*	7098
0m			6744*	6264	5089	3491	3345	2360				2393*	6930
-1.5m	4865*	4865*	9974	6226	5008	3419	3310	2328				2866*	6411
-3m	8839*	8839*	8960*	6334	5058	3463						3861	5442
-4.5m													

LIFT CAPACITIES - DIPPER LENGTH 3.0M, MONOBOOM, TRACKSHOES, 500MM, NO BUCKET

I45XR LC DOZER MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2622*	2622*						2445*	4573
6m					3023*	3023*	2265*	2265*				2061*	6068
4.5m					3364*	3364*	3426*	2620				1932*	6937
3m			5429*	5429*	4284*	3928	3511	2523				1923*	7407
1.5m			8419*	6594	5231	3630	3370	2392	2261*	1701		2008*	7553
0m			7417*	6107	4969	3396	3248	2279				2205*	7396
-1.5m	4373*	4373*	9359*	5980	4843	3283	3183	2219				2592*	6913
-3m	7508*	7508*	9485*	6040	4849	3289	3219	2252				3202	6026
-4.5m			7232*	6280								4518*	4498

LIFT CAPACITIES - DIPPER LENGTH 3.0M, MONOBOOM, TRACKSHOES, 700MM, NO BUCKET

I45XR LC DOZER MONO

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2622*	2622*						2445*	4573
6m					3023*	3023*	2265*	2265*				2061*	6068
4.5m					3364*	3364*	3426*	2683				1932*	6937
3m			5429*	5429*	4284*	4019	3592	2586				1923*	7407
1.5m			8419*	6755	5352	3720	3452	2455	2261*	1749		2008*	7553
0m			7417*	6267	5090	3486	3329	2342				2205*	7396
-1.5m	4373*	4373*	9359*	6140	4964	3374	3264	2282				2592*	6913
-3m	7508*	7508*	9485*	6200	4970	3379	3300	2315				3282	6026
-4.5m			7232*	6441								4518*	4498



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.

LIFT CAPACITIES - DIPPER LENGTH 2.5M, T.A.B, TRACKSHOES, 500MM, NO BUCKET

I45XR LC T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2888*	2888*	4494
6m					2881*	2881*	2366*	2366*			2334*	2334*	6009
4.5m					2819*	2819*	2186*	2186*			2129*	1885	6886
3m			4307*	4307*	2721*	2721*	2108*	2108*			2069*	1646	7359
1.5m	4787*	4787*	4148*	4148*	2666*	2666*	2217*	2184	2114*	1556	2110*	1554	7506
0m	3035*	3035*	3497*	3497*	2403*	2403*	2570*	2080			2257*	1576	7347
-1.5m	3676*	3676*	5241*	5241*	3240*	3012	3072*	2043			2566*	1734	6861
-3m	8276*	8276*	8568*	5672	4849	3067					3233*	2146	5966
-4.5m	18268*	18268*									8758*	6400	2961

LIFT CAPACITIES - DIPPER LENGTH 2.5M, T.A.B, TRACKSHOES, 700MM, NO BUCKET

I45XR LC T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2888*	2888*	4494
6m					2881*	2881*	2366*	2366*			2334*	2334*	6009
4.5m					2819*	2819*	2186*	2186*			2129*	1938	6886
3m			4307*	4307*	2721*	2721*	2108*	2108*			2069*	1696	7359
1.5m	4787*	4787*	4148*	4148*	2666*	2666*	2217*	2217*	2114*	1605	2110*	1602	7506
0m	3035*	3035*	3497*	3497*	2403*	2403*	2570*	2143			2257*	1625	7347
-1.5m	3676*	3676*	5241*	5241*	3240*	3102	3072*	2106			2566*	1787	6861
-3m	8276*	8276*	8568*	5832	4991	3157					3233*	2209	5966
-4.5m	18268*	18268*									8758*	6564	2961

LIFT CAPACITIES - DIPPER LENGTH 3.0M, T.A.B, TRACKSHOES, 500MM, NO BUCKET

I45XR LC T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2869*	2869*					2508*	2508*	5253
6m					2916*	2916*	2096*	2096*			2119*	2076	6593
4.5m					2834*	2834*	1925*	1925*			1963*	1673	7400
3m			4348*	4348*	2712*	2712*	1904*	1904*	1929*	1611	1920*	1476	7842
1.5m			4117*	4117*	2623*	2623*	1617*	1617*	2015*	1550	1960*	1396	7981
0m	3155*	3155*	3489*	3489*	2156*	2156*	2289*	2062	2167*	1497	2089*	1408	7831
-1.5m	2964*	2964*	4458*	4458*	2800*	2800*	2897*	1997			2350*	1528	7377
-3m	6344*	6344*	7216*	5517	4755	2978	3141				2815	1830	6554
-4.5m	13856*	13856*	8289*	5839	5008	3204					4848	3124	4627



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.

LIFT CAPACITIES - DIPPER LENGTH 3.0M, T.A.B, TRACKSHOES, 700MM, NO BUCKET

I45XR LC T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2869*	2869*					2508*		5253
6m					2916*	2916*	2096*	2096*			2119*		6593
4.5m					2834*	2834*	1925*	1925*			1963*	1722	7400
3m			4348*	4348*	2712*	2712*	1904*	1904*	1929*	1659	1920*	1522	7842
1.5m			4117*	4117*	2623*	2623*	1617*	1617*	2015*	1599	1960*	1440	7981
0m	3155*	3155*	3489*	3489*	2156*	2156*	2289*	2125	2167*	1546	2089*	1454	7831
-1.5m	2964*	2964*	4458*	4458*	2800*	2800*	2897*	2060			2350*	1577	7377
-3m	6344*	6344*	7216*	5677	4898	3068	3237	2085			2874*	1887	6554
-4.5m	13856*	13856*	8289*	6000	5151	3295					4985	3211	4627

LIFT CAPACITIES - DIPPER LENGTH 2.5M, T.A.B, TRACKSHOES, 700MM, NO BUCKET

I45XR HD T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2912*	2912*					2842*	2842*	4594
6m					2880*	2880*	2321*	2321*			2318*	2318*	6065
4.5m			3955*	3955*	2814*	2814*	2098*	2098*			2123*	2123*	6918
3m			4295*	4295*	2717*	2717*	2083*	2083*			2069*	2069*	7374
1.5m			4145*	4145*	2666*	2666*	2242*	2242*	2156*	2083	2114*	2080	7506
0m			3567*	3567*	2431*	2431*	2605*	2605*			2267*	2123	7331
-1.5m	3860*	3860*	5352*	5352*	3300*	3300*	3062*	2747			2588*	2341	6827
-3m	8593*	8593*	8478*	7745	5411*	4125					3286*	2899	5907
-4.5m											11598*	11598*	2288

LIFT CAPACITIES - DIPPER LENGTH 2.5M, T.A.B, TRACKSHOES, 900MM, NO BUCKET

I45XR HD T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2912*	2912*					2842*	2842*	4594
6m					2880*	2880*	2321*	2321*			2318*	2318*	6065
4.5m			3955*	3955*	2814*	2814*	2098*	2098*			2123*	2123*	6918
3m			4295*	4295*	2717*	2717*	2083*	2083*			2069*	2069*	7374
1.5m			4145*	4145*	2666*	2666*	2242*	2242*	2156*	2138	2114*	2114*	7506
0m			3567*	3567*	2431*	2431*	2605*	2605*			2267*	2180	7331
-1.5m	3860*	3860*	5352*	5352*	3300*	3300*	3062*	2819			2588*	2403	6827
-3m	8593*	8593*	8478*	7937	5411*	4230					3286*	2973	5907
-4.5m											11598*	11598*	2288



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.

LIFT CAPACITIES - DIPPER LENGTH 3.0M, T.A.B, TRACKSHOES, 700MM, NO BUCKET

I45XR HD T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2880*	2880*					2478*	2478*	5338
6m					2914*	2914*	2099*	2099*			2107*	2107*	6644
4.5m					2828*	2828*	1924*	1924*			1959*	1959*	7431
3m			4332*	4332*	2706*	2706*	1903*	1903*	1960*	1960*	1920*	1920*	7856
1.5m			4110*	4110*	2621*	2621*	1626*	1626*	2019*	2019*	1964*	1884	7980
0m			3332*	3332*	2178*	2178*	2333*	2333*	2183*	2024	2098*	1913	7816
-1.5m	3098*	3098*	4552*	4552*	2842*	2842*	2897*	2699			2368*	2079	7346
-3m	6576*	6576*	7411*	7411*	4979*	4033	3400*	2731			2914*	2489	6501
-4.5m	14623*	14623*	8314*	7948							5508*	4383	4455

LIFT CAPACITIES - DIPPER LENGTH 3.0M, T.A.B, TRACKSHOES, 900MM, NO BUCKET

I45XR HD T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2880*	2880*					2478*	2478*	5338
6m					2914*	2914*	2099*	2099*			2107*	2107*	6644
4.5m					2828*	2828*	1924*	1924*			1959*	1959*	7431
3m			4332*	4332*	2706*	2706*	1903*	1903*	1960*	1960*	1920*	1920*	7856
1.5m			4110*	4110*	2621*	2621*	1626*	1626*	2019*	2019*	1964*	1935	7980
0m			3332*	3332*	2178*	2178*	2333*	2333*	2183*	2079	2098*	1966	7816
-1.5m	3098*	3098*	4552*	4552*	2842*	2842*	2897*	2771			2368*	2136	7346
-3m	6576*	6576*	7411*	7411*	4979*	4138	3400*	2803			2914*	2555	6501
-4.5m	14623*	14623*	8314*	8139							5508*	4490	4455

LIFT CAPACITIES - DIPPER LENGTH 2.5M, T.A.B, TRACKSHOES, 500MM, NO BUCKET

I45XR LC DOZER T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2888*	2888*	4494
6m					2881*	2881*	2366*	2366*			2334*	2334*	6009
4.5m					2819*	2819*	2186*	2186*			2129*	1996	6886
3m			4307*	4307*	2721*	2721*	2108*	2108*			2069*	1749	7359
1.5m	4787*	4787*	4148*	4148*	2666*	2666*	2217*	2217*	2114*	1657	2110*	1655	7506
0m	3035*	3035*	3497*	3497*	2403*	2403*	2570*	2211			2257*	1679	7347
-1.5m	3676*	3676*	5241*	5241*	3240*	3200	3072*	2174			2566*	1845	6861
-3m	8276*	8276*	8568*	6006	4849	3255					3233*	2278	5966
-4.5m	18268*	18268*									8758*	6741	2961



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.

LIFT CAPACITIES - DIPPER LENGTH 2.5M, T.A.B, TRACKSHOES, 700MM, NO BUCKET

I45XR LC DOZER T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m											2888*	2888*	4494
6m					2881*	2881*	2366*	2366*			2334*	2334*	6009
4.5m					2819*	2819*	2186*	2186*			2129*	2049	6886
3m			4307*	4307*	2721*	2721*	2108*	2108*			2069*	1798	7359
1.5m	4787*	4787*	4148*	4148*	2666*	2666*	2217*	2217*	2114*	1705	2110*	1703	7506
0m	3035*	3035*	3497*	3497*	2403*	2403*	2570*	2274			2257*	1728	7347
-1.5m	3676*	3676*	5241*	5241*	3240*	3240*	3072*	2237			2566*	1899	6861
-3m	8276*	8276*	8568*	6166	4970	3346					3233*	2341	5966
-4.5m	18268*	18268*									8758*	6904	2961

LIFT CAPACITIES - DIPPER LENGTH 3.0M, T.A.B, TRACKSHOES, 500MM, NO BUCKET

I45XR LC DOZER T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2869*	2869*					2508*	2508*	5253
6m					2916*	2916*	2096*	2096*			2119*	2119*	6593
4.5m					2834*	2834*	1925*	1925*			1963*	1775	7400
3m			4348*	4348*	2712*	2712*	1904*	1904*	1929*	1712	1920*	1572	7842
1.5m			4117*	4117*	2623*	2623*	1617*	1617*	2015*	1651	1960*	1489	7981
0m	3155*	3155*	3489*	3489*	2156*	2156*	2289*	2193	2167*	1598	2089*	1503	7831
-1.5m	2964*	2964*	4458*	4458*	2800*	2800*	2897*	2128			2350*	1630	7377
-3m	6344*	6344*	7216*	5851	4756	3166	3142	2154			2815	1948	6554
-4.5m	13856*	13856*	8289*	6174	5009	3393					4848	3306	4627

LIFT CAPACITIES - DIPPER LENGTH 3.0M, T.A.B, TRACKSHOES, 700MM, NO BUCKET

I45XR LC DOZER T.A.B

Reach	1.5m		3m		4.5m		6m		7.5m		Capacity at Max. Reach		
													
Load Point Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m					2869*	2869*					2508*	2508*	5253
6m					2916*	2916*	2096*	2096*			2119*	2119*	6593
4.5m					2834*	2834*	1925*	1925*			1963*	1824	7400
3m			4348*	4348*	2712*	2712*	1904*	1904*	1929*	1760	1920*	1617	7842
1.5m			4117*	4117*	2623*	2623*	1617*	1617*	2015*	1699	1960*	1534	7981
0m	3155*	3155*	3489*	3489*	2156*	2156*	2289*	2256	2167*	1646	2089*	1549	7831
-1.5m	2964*	2964*	4458*	4458*	2800*	2800*	2897*	2191			2350*	1679	7377
-3m	6344*	6344*	7216*	6011	4876	3238	3223	2216			2874*	2005	6554
-4.5m	13856*	13856*	8289*	6334	5130	3483					4965	3393	4627



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.









ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

TRACKED EXCAVATOR I45XR

Max. operating weight: 14,750 - 18,871kg Max. engine power: 81kW (109hp) Max. bucket capacity: 0.21 - 0.89m³

JCB Sales Limited, Rocester, Staffordshire, United Kingdom ST14 5JP.

Tel: +44 (0)1889 590312 Email: salesinfo@jcb.com

Download the very latest information on this product range at: www.jcb.com

©2025 JCB Sales. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB Sales. All references in this publication to operating weights, sizes, capacities and other performance measurements are provided for guidance only and may vary dependant upon the exact specification of machine. They should not therefore be relied upon in relation to suitability for a particular application. Guidance and advice should always be sought from your JCB Dealer. JCB reserves the right to change specifications without notice. Illustrations and specifications shown may include optional equipment and accessories. The JCB logo is a registered trademark of J C Bamford Excavators Ltd.

