

SPECIFICATION



TRACKED EXCAVATOR | JS385LC HD

Engine power: 212kW (284hp) Bucket capacity: 1.4m³ – 2.3m³ Operating weight: 37,331kg - 38,027kg



YOUR RELIABLE PARTNER

The JS385LC HD features robust structures, high quality components and long maintenance intervals to keep you working productively for longer. A cutting-edge JCB DIESELMAX engine is matched with eco-hydraulics to provide efficient power when you need it. The modern and spacious air-conditioned cabin provides safety and comfort for the operator, with a Smart Control colour monitor and JCB LiveLink telematics system fitted as standard to help you stay in complete control.

RELIABLE COMPONENTS

A heavy-duty undercarriage, boom and dipper arms, plus industry-best components deliver long life and low cost of ownership.

LEADING PERFORMANCE

With the JS385LC HD, performance comes as standard. A large bucket capacity, excellent stability, high digging forces and Power Boost are all included.

STAY IN CONTROL

LiveLink provides easy, remote monitoring of your machine or fleet, keeping you informed about servicing, performance and security.

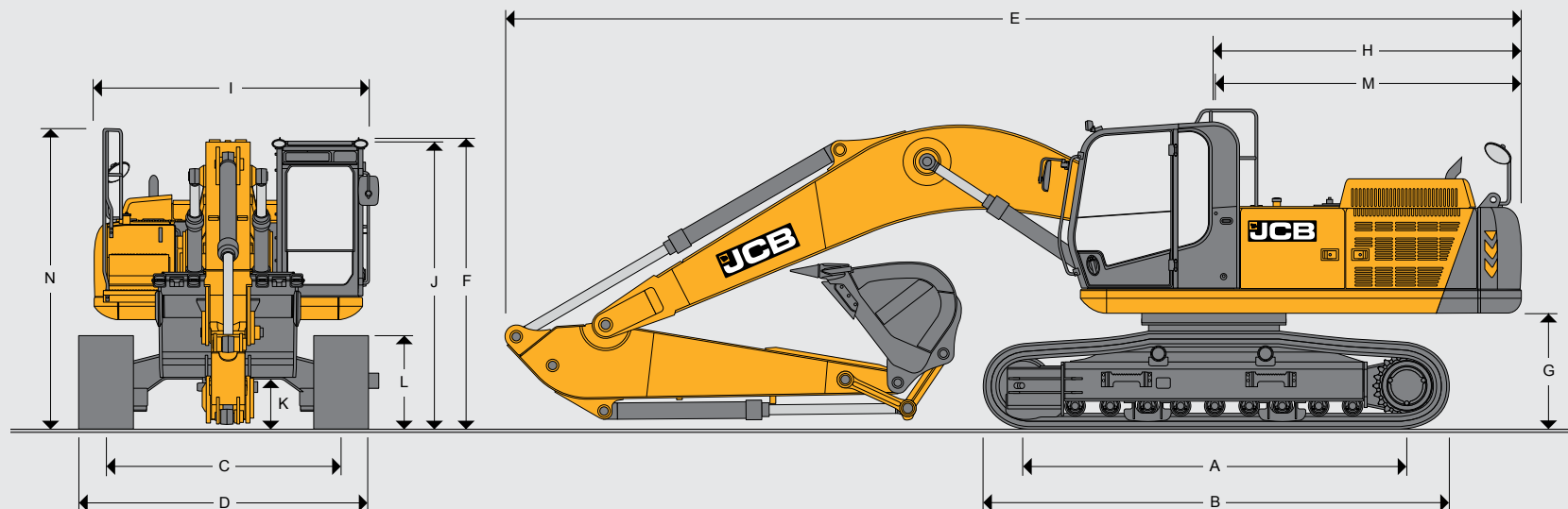
LOW ON MAINTENANCE

Long service intervals keep you working longer with reduced costs. JCB's oil filter systems keep hydraulic oil clean and extend its life, along with the hydraulic filter.

FULLY EQUIPPED

Large capacity buckets for high output, plus hydraulic breaker pipework fitted as standard, put you in control of your working environment.

STATIC DIMENSIONS



STATIC DIMENSIONS

A	Track length on ground	m	4.02
B	Undercarriage overall length	m	4.96
C	Track gauge	m	2.60
D	Width over tracks (600mm shoes)	m	3.20
G	Counterweight clearance	m	1.16
H	Tail swing radius	m	3.57
I	Overall width of superstructure	m	2.99
J	Height over cab	m	3.24
K	Ground clearance	mm	507
L	Track height	m	1.0
M	Tail length	m	3.56
N	Height over grab rail	m	3.34
Monoboomb 6.45m			
Dipper lengths		2.21m	2.63m
E	Transport length	m	11.41
F	Transport height	m	3.79

ENGINE

Model	JCB DIESELMAX 672 TCAE Electronic Engine
Type	4-stroke, 6-Cylinder, High pressure common rail, ECU, turbocharged, intercooled
Rated power	212 kW (284 HP) at 2000 rpm
Engine peak torque	1150 Nm at 1400 rpm
Piston displacement	7.2 litres
Air Filtration	Dry element with secondary safety element and in-cab warning indicator
Starting system	24 volt
Batteries	2 x 12 volt
Alternator	24 volt, 55 amp

SWING SYSTEM

Swing motor	Axial piston type
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake
Swing torque	129 kNm
Swing speed	8.9 rpm
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated

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TRACKED EXCAVATOR JS385LC HD

UNDERCARRIAGE		
Carriage options	LC - Long Carriage	
Construction	Fully welded, "X" frame type with central bellyguarding and sloping side members with dirt relief holes under top rollers	
Recovery point	Front and rear	
Track shoe options	600mm	
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	
No. of track guides	3 per side	
No. of lower rollers	9 per side	
No. of upper rollers	2 per side	
No. of track shoes	48 per side	

HYDRAULIC SYSTEM	
Open centered, negative control hydraulic system with twin variable flow piston pumps providing flow-on-demand.	
Pumps	
Main pumps	2 variable displacement axial piston type
Maximum flow	2 x 304 l/min.
Servo pump	Gear type
Maximum flow	28.5 l/min
Control valve	
A combined four and five spool control valve with auxiliary service spool as standard	
Relief valve settings	
Boom/arm/bucket	343 bar
With power boost	373 bar
Swing circuit	284 bar
Travel circuit	343 bar
Pilot control	45 bar
Filtration	
In tank	150 micron, suction strainer
Main return line	10 micron, glass fibre element
Pilot line	10 micron, paper element
Hydraulic hammer return	10 micron, reinforced microform element

SERVICE CAPACITIES		
Fuel tank	litres	590
Engine coolant	litres	45
Engine oil	litres	25
Swing reduction gear	litres	16
Track reduction gear (each side)	litres	5
Hydraulic system	litres	430
Hydraulic tank	litres	239

BUCKETS AND ARM COMBINATION						
Bucket capacity	m ³	1.4	1.6l	1.8	2.1	2.3*
Bucket weight	kg	1692	1555	1655	1807	1900
Toe plate or trench width	m	1.4l	1.60	1.76	1.75	1.89
Arm size						
2.2l	m	□	□	□	●	●
2.63	m	□	□	■	●	

(Without quickhitch)

*Suitable for soft strata

□ = Suitable for general excavating (materials up to 2000kg/m³)

■ = Suitable for light excavating (materials up to 1600kg/m³)

● = Suitable for grading & loading (material up to 1200kg/m³)

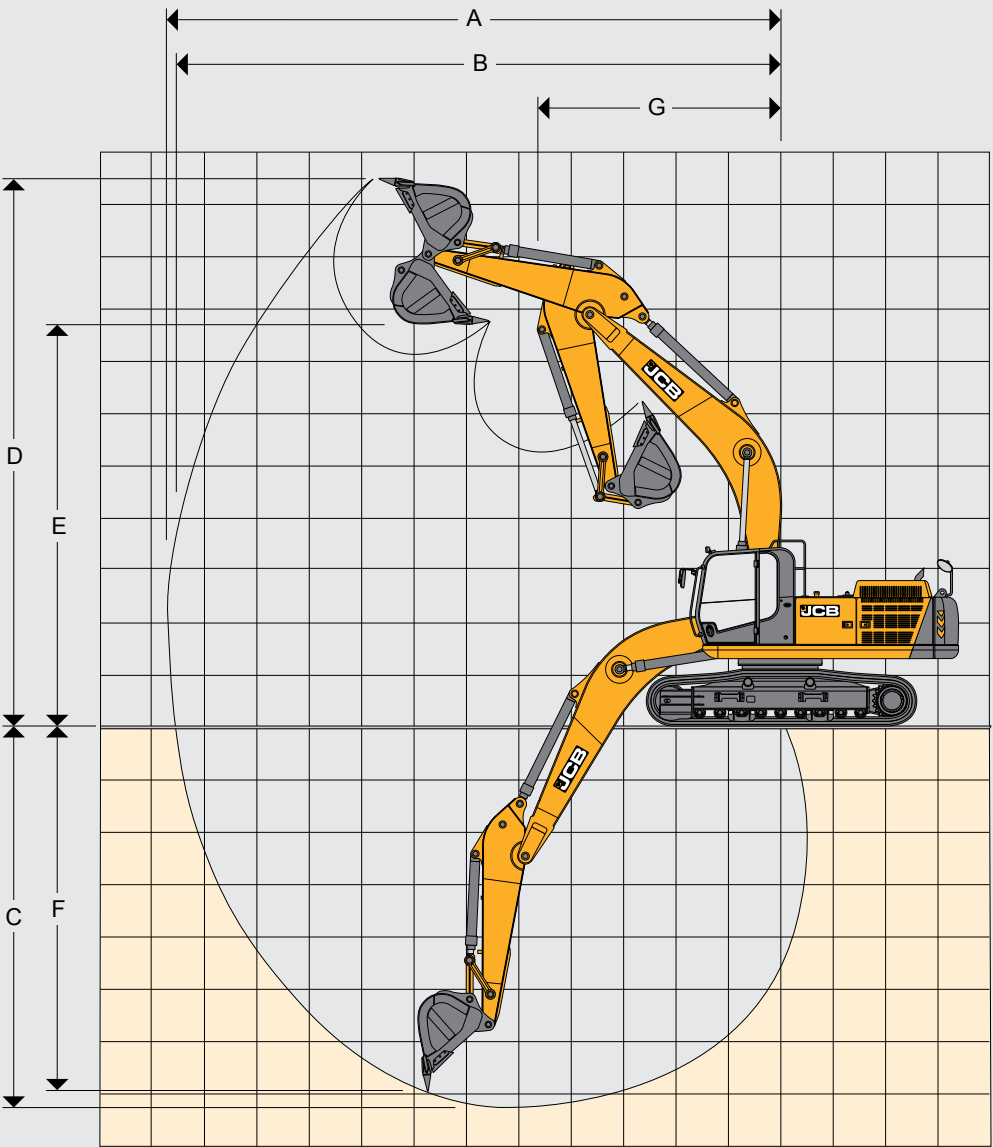
TRACK DRIVE			
Type	Fully hydrostatic, three speed with autoshift		
Travel motors	Variable axial piston type, fully guarded within undercarriage frame		
Final drive	Planetary reduction, bolt-on sprockets		
Service brake	Hydraulic counter balance valve to prevent overspeeding on declines		
Park brake	Disc type, spring actuated, automatic hydraulic release		
Gradeability	70% (35 deg) continuous		
Travel speed	High: 5.3 km/h	Mid: 3.1 km/h	Low: 2.2 km/h
Tractive effort	287 kNm		

WEIGHTS AND GROUND BEARING PRESSURES				
Description of whats included in measurement - 2.2l m Arm, 2.3 cum bucket, full fuel tank, operator weight 80kg.				
	Track shoe options			
	600mm	700mm	800mm	900mm
Machine weight	kg	3733l	3756l	37796
Ground bearing pressure	kg/cm ²	0.72	0.62	0.55

EXCAVATOR END – MONOBOOM	
Monoboom available along with a choice of dipper lengths to suit the requirements of reach, dig-depth, loadover height and tearouts. Reserve strength is built into the fully welded structures for hydraulic hammer and other arduous operations. Fabricated bucket tipping links are provided with a choice of lift points.	

WORKING RANGE - BOOM LENGTH AND STYLE

Dipper length			2.21m	2.63m
A	Maximum digging reach	m	10.18	10.58
B	Maximum digging reach (on ground)	m	9.97	10.38
C	Maximum digging depth	m	6.39	6.82
D	Maximum digging height	m	9.72	9.93
E	Maximum dumping height	m	6.66	6.85
F	Maximum vertical wall cut depth	m	5.41	5.86
G	Minimum swing radius	m	4.4	4.49
	Bucket rotation	degrees	185	185
	Maximum dipper tearout	kNm	254.9	223.8
	Maximum bucket tearout	kNm	262.7	262.7



LIFT CAPACITIES – Dipper length: 2.21m, Boom: 6.45m, Trackshoes: 600mm triple grouser, without bucket.

Load Point	Reach from Swing Centre										
	3m		4.5m		6m		7.5m		Max Reach		
											Reach
Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
7.5m	-	-	-	-	11040*	10460	-	-	10970*	9140	6.49
6m	-	-	-	-	11500*	10230	10580*	7110	10580*	7080	7.52
4.5m	-	-	-	-	12730*	9740	10610	6950	9280	6090	8.14
3m	-	-	-	-	14160*	9180	10330	6690	8590	5600	8.45
1.5m	-	-	-	-	14080	8760	10070	6460	8410	5440	8.49
0m	-	-	-	-	13830	8550	9920	6330	8680	5590	8.25
-1.5m	-	-	18730*	13030	13060*	13810	9930	6340	9570	6130	7.71
-3m	19130*	19130*	16160*	13280	12660*	8700	-	-	10670*	7390	6.80
-4.5m	-	-	11380*	11380*	-	-	-	-	9410*	9410*	5.33

LIFT CAPACITIES – Dipper length: 2.63m, Boom: 6.45m, Trackshoes: 600mm triple grouser, without bucket.

Load Point	Reach from Swing Centre										
	3m		4.5m		6m		7.5m		Max Reach		
											Reach
Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
7.5m	-	-	-	-	-	-	-	-	10150*	8120	7.01
6m	-	-	-	-	10830*	10330	9960*	7190	9800	6470	7.79
4.5m	-	-	15540*	15170	12110*	9810	10440*	6970	8580	5620	8.56
3m	-	-	-	-	13620*	9210	10320	6680	7980	5190	8.86
1.5m	-	-	-	-	14050	8730	10100	6410	7800	5040	8.89
0m	-	-	20500*	12770	13740	8460	9840	6240	8020	5150	8.66
-1.5m	-	-	19320*	12800	13300	13650	9790	6200	8730	5580	8.20
-3m	21510*	21510*	17070*	13000	11900	13250*	-	-	10250*	6570	7.30
-4.5m	-	-	13030*	13030*	-	-	-	-	9550*	9000	5.95



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

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