

NEW



HYDRAULIC EXCAVATOR | JS500 LC

Max engine power: 228kW (305hp) Operating weight: 46147kg/47090kg



PERFORMANCE AND PRODUCTIVITY.

BEFORE YOU BUY AN EXCAVATOR, YOU NEED TO KNOW IT'S GOING TO BE TOUGH ENOUGH TO PERFORM ANY JOB YOU ASK OF IT. FORTUNATELY, WITH A JCB JS500, STRENGTH AND DURABILITY COME AS STANDARD.

We use Finite Element Analysis with extensive rig and endurance testing to make key components last longer.



Boom and dipper.

1 A JCB JS500's reinforced boom and dipper is made of high tensile strength steel, with internal baffle plates for long life durability. In addition we fit heavy-duty wear strips at the dipper end for increased durability.



2 Our advanced manufacturing and assembly processes produce high precision and quality assembled components.

Componentry.

3 JCB JS500s boast the best components in the industry, including Isuzu engine, ITM running gear, Kawasaki pumps and Kayaba main control valves.





Structural strength.

4 The new retractable undercarriage of the JS500 combines ease of transportation with great stability.

The JS500 undercarriage uses a third upper roller which distributes the chain evenly and reduces shock loads.

5 Access and egress have been improved by using twin step arrangements.

6 Our stiff, durable door design gives great strength and rigidity.

UNEARTHED: KEY FACT
The JCB JS500 turret is welded to both the upper and lower undercarriage frame.



4



5



6

MAXIMUM PRODUCTIVITY, MINIMUM SPEND.

IT'S MORE IMPORTANT THAN EVER TO SAVE MONEY AND TIME; THE JCB JS500 IS DESIGNED TO MAKE THE MOST OF BOTH.

Upping output.

1 With up to a massive 270kN of bucket tearout and fast cycle times, the JS500 is extremely productive in all applications.

2 Simultaneous tracking and excavating is smooth and fast with an intuitive multifunction operation.

Efficiency.

Advanced hydraulic technology ensures that the machines always starts in idle for maximum fuel efficiency, contributing to fuel savings.



Optimised hydraulic pump settings and spool configuration within the main valve block, only delivers the required oil flow, preventing wasted energy.

3 Tier II compliant Isuzu engine benefits from a robust mechanically controlled fuel system, enabling it to work in extreme conditions worldwide. The high power rated engine of 228kW, giving maximum performance at all times.



UNEARTHED: KEY FACT
To save fuel, JCB Auto-Idle technology automatically reduces engine speed when hydraulics aren't in use.



Stability, hydraulics and attachments.

4 JCB's innovative hydraulic regeneration system means oil is recycled across the cylinders for faster cycle times and reduced fuel consumption.

5 The JCB JS500 has cushioned boom and dipper ends to prevent shock loadings, protect your machine and increase operator comfort.

5 The JCB JS500 has a solid, stable work platform for fast cycle times.

For ultra versatility, JCB offers a full list of auxiliary pipework options including hammer, auxiliary, merged and low flow.



A COMFORTABLE FAVOURITE.

JCB EXCAVATORS ARE DESIGNED AROUND THE OPERATOR. THAT'S GOOD FOR THEM BUT EVEN BETTER FOR YOU; AFTER ALL, GREAT COMFORT AND EASE OF USE EQUALS GREAT PRODUCTIVITY.



A large laminated glass roof window gives the JS500 optimum visibility for working at height.

Visibly better.

1 A 70/30 front screen split gives JCB JS500's excellent front visibility. A clear view of the front right track provides easy, safe trench digging and manoeuvring.

A balanced slew and electronic/hydraulic controlled slew braking give speed and precision.



Even more comfort.

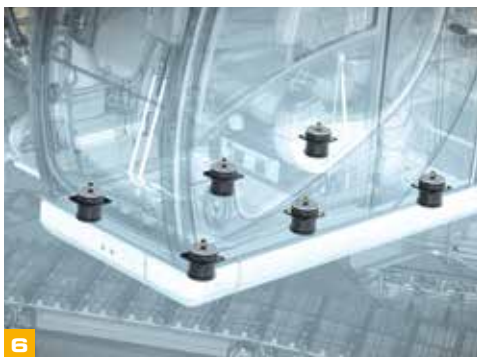
3 JCB JS500's have a spacious storage tray behind the operator's seat.

4 Function switches are easy to reach and include the heater and climate control panels, while the side unit doubles as part of the immobiliser code selector.

5 The easily-accessible Advanced Monitoring System can keep tab on a JCB JS500's functions and inputs while different working modes are selected either manually or automatically.

6 JCB JS500 cabs use 6 viscous rubber mounts to minimise noise and vibration.

7 A large floor area with large high grip pedals give easy and precise tracking.



The JS500's cab and controls are independently adjustable so that it's easy to find the perfect operating position.



JCB's climate control option offers a precisely controlled cab temperature with fresh or recirculated air. Demisting/defrosting functions keep a JS500's front window clear.

LESS SERVICING, MORE SERVICE.

WE'VE DESIGNED THE JS500 TO BE LOW MAINTENANCE AND EASILY SERVICEABLE. WHICH MAKES THEM AFFORDABLE, EFFICIENT AND HIGHLY PRODUCTIVE. HELPING YOU GET THE BEST SERVICE FROM YOUR MACHINE.

Easy does it.

1 The air filter on a JS500 is easily accessible, and a double-element construction simplifies cleaning. There is also an optional PowerCore system as shown.

2 The filters on a JCB JS500 (engine oil, hydraulic oil and fuel) are centrally located for fast, easy servicing.



(A) Fuel filters

SERVICE INTERVALS

Engine oil and oil filter	Every 500 hours
Hydraulic oil	Every 5000 hours
Hydraulic oil filter	Every 1000 hours

By using graphite impregnated bronze bushes, we've increased the JS500's boom and dipper greasing intervals to 1000 hours for normal applications.

Here to help.

3 The easily-accessible Advanced Monitoring System can keep tab on a JCB JS500's functions and inputs while different working modes are selected either manually or automatically.

4 Because they're mounted side by side on a JCB JS500, the engine radiator, hydraulic cooler and intercooler can be serviced individually yet cleaned easily.

5 Servicing your JCB JS500 with your local main dealer and our trained engineers can minimise downtime. Order genuine JCB parts online and, in 95% of cases, they'll be with you next day.



THE SAFE CHOICE.

ON-SITE SAFETY IS CRUCIAL, SO WE'VE DESIGNED THE JS500 TO INCORPORATE AS MANY CUTTING EDGE SAFEGUARDS AS POSSIBLE. IN SHORT, YOUR OPERATORS ARE IN SAFE HANDS.



1 JCB JS500's bonnet opens front-to-rear for easy and safe engine service access.

2 JCB's Safety Lever Lock fully isolates hydraulic functions to avoid unintended movements. Our 2GO system means a JCB JS500 can only be started in a safe locked position via two separate inputs.

3 JCB JS500s have a large glass area and low bonnet line for superb visibility.

4 A JCB JS500's steps and platforms have anti-slip punched steel plates for optimum grip, even in wet or icy conditions. Bolt-on plates have recessed bolts to reduce trip hazard.

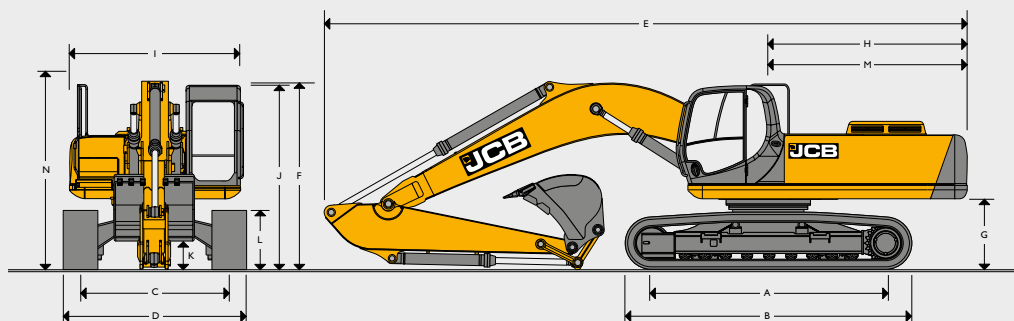
5 JCB's optional rear-view camera displays uninterrupted rearward views on the monitor.

6 Your JCB comes equipped with a full set of side and rear view mirrors for all round visibility and safety compliance.

7 Partial handrails come as standard on the JS500.



STATIC DIMENSIONS



STATIC DIMENSIONS

A	Track length on ground	m	4.36
B	Undercarriage overall length	m	5.35
C	Track gauge	m	Retracted 2.40 / Extended 3.05
D	Width of tracks 600mm shoes	m	Retracted 2.99 / Extended 3.65
D	Width of tracks 700mm shoes	m	Retracted 3.09 / Extended 3.75
D	Width of tracks 800mm shoes	m	Retracted 3.19 / Extended 3.85
E	Transport length 2.5m dipper	m	12.06
E	Transport length 3.36m dipper	m	12.02
E	Transport length 4.0m dipper	m	12.04
F	Transport height 2.5m dipper	m	3.52
F	Transport length 3.36m dipper	m	3.44
F	Transport length 4.0m dipper	m	3.49
G	Counterweight clearance	m	1.45
H	Tailswing radius	m	3.64
I	Overall width of superstructure	m	2.99
J	Height over cab	m	3.43
K	Ground clearance	m	0.77
L	Track height	m	1.20
M	Tail length	m	3.64

ENGINE

Model	Isuzu AA-6SD ITC.
Type	Water cooled, 4-stroke, 6-cylinder overhead cam vertical in-line, direct injection, turbocharged diesel. Tier II low emission with air to air intercooling.
Net power (ISO 3046-INF)	228 kW (305 hp) @ 2000 rpm.
Displacement	9.839 Litres.
Bore/stroke	120mm x 145mm.
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, 50 amp.

TRACK DRIVE

Type	Fully hydrostatic, epicyclic gearbox, three speed with autoshift.
Service brake	Hydraulic counter balance valve to prevent overspeeding on gradients.
Park brake	Disc type, spring applied, automatic hydraulic release.
Gradeability	70% (35 degree) continuous.
Travel speed – high	4.65 km/h.
Travel speed – mid	2.82 km/h.
Travel speed – low	1.96 km/h.
Tractive effort	36,660 kgf.

EXCAVATOR END

The EMS (Easy Maintenance System) is a revolutionary lubrication system that radically simplifies maintenance. Using the graphite impregnated bronze bush's, it is possible to extend the excavator end lubrication intervals to 1000 hours from 50 hours. Monoboomb is standard on the JS500 along with a choice of 3 dipper lengths to suit the requirements of reach, dig depth, loadover height and tearout. Reserve strength is built into the fully welded structures for hydraulic hammer's and other tough operations. Heavy-duty reinforced bucket tipping links are provided as standard.

CAB

Excellent digging, loading and positioning visibility results from the careful design of front, side and roof lights. All screens are tinted to improve in cab conditions. Fully opening front screen is very smooth to operate and as the lower screen is stored in rear of cab. Fresh air ventilation available from opening door window, opening slot in front screen and fully opening front screen. Parallelogram wash wiper for upper screen ensuring good wiped area for maximum visibility. Wiper motor is fitted in the left hand side of the roof screen so as not to affect bucket visibility when loading. Optional lower screen wiper available. Fresh air ventilation and heater with windscreen demister. Infinitely variable blower speed, temperature and recirculation control. Optional climate control. Fully adjustable deluxe suspension seat with arm rest adjustment and backrest recline. Optional radio with digital tuner fitted into the roof lining for maximum protection. Conveniently placed radio mute button incorporated into lower console. 12v power point and mobile phone holder built into the right hand console. Courtesy light can be operated from ground level and is illuminated for five minutes or until switched off improving operator access at night. Cab mounted roller blind protects operator from sun's glare through front or top screens.

HYDRAULIC SYSTEM

A variable flow load sensing system with flow on demand, variable power output and servo operated, multi-function open centre control.

Pumps

Main pump	2 variable displacement axial piston type.
Maximum flow	2 x 346 L/min.
Servo pump	Gear type.
Maximum flow	30 L/min.

Control valve

A combined four and five spool control valve with auxiliary service spool is standard. When required, twin pump flow is combined to boom, dipper and bucket services for greater speed and efficiency.

Relief valve settings

Boom/Arm/Bucket	319 bar.
With power boost	348 bar.
Swing circuit	279 bar.
Travel circuit	320 bar.
Pilot control	44 bar.

Hydraulic cylinders

Double acting type, with bolt-up end caps and hardened steel bearing bushes. End cushioning is fitted as standard on boom, dipper and bucket rams.

Dimensions	Boom	Dipper	Bucket
Bore	160mm	180mm	160mm
Rod	110mm	130mm	110mm
Stroke	1580mm	1910mm	1306mm

Filtration

The hydraulic components are protected by the highest standard of filtration to ensure long hydraulic fluid and component life.

In tank	150 micron, suction strainer.
Main return line	10 micron, fibreform element.
Plexus bypass line	1.5 micron, paper element.
Pilot line	10 micron, paper element.
Hydraulic hammer return	10 micron, reinforced microform element.

Cooling

Cooling is provided via a full return line air blast cooler with anti-block wavy cooling fins.

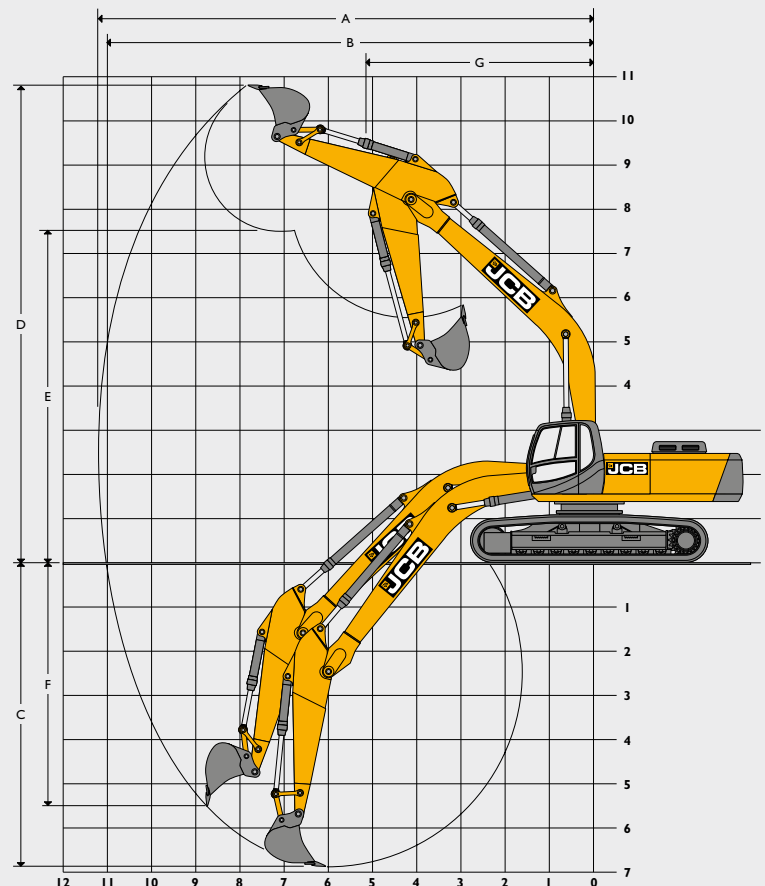
AMS – ADVANCED MANAGEMENT SYSTEM

The JCB Advanced Management System matches engine power and pump output to optimize machine performance in each of the four selectable work modes –























A (Auto)	Up to 100% engine power and 100% flow. Gives variable power and speed depending on the operator's input, matching the demand for output and efficiency to the job. Power boost is automatically activated in this mode should hard conditions be encountered. Auto idle cuts in after a period of inactivity (between 5 and 30 seconds as set by the operator).
E (Economy)	80% engine power. 95% of hydraulic flow maximises economy while maintaining excellent output.
P (Precision)	55% engine power. 90% of hydraulic flow for fine control of grading operations.
L (Lifting)	55% engine power. 63% of hydraulic flow with permanent power boost for maximum lifting.

WORKING RANGE























	Dipper arm	4.00m	3.36m	2.50m
A	Maximum digging reach	12.31m	11.76m	11.01m
B	Maximum reach on ground	12.07m	11.50m	10.73m
C	Maximum digging depth	8.10m	7.46m	6.60m
D	Maximum digging height	11.14m	10.94m	10.73m
E	Maximum dumping height	8.24m	8.07m	7.82m
F	Maximum vertical cut depth	5.27m	4.70m	3.89m
G	Minimum swing radius	5.02m	5.02m	5.23m
	Bucket rotation	deg	182	182
	Dipper tearout	kgf	16941	19200
	Dipper tearout with boost	kgf	18505	20972
	Bucket tearout	kgf	27567	27567
	Bucket tearout with boost	kgf	30111	30111

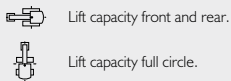


LIFT CAPACITIES – DIPPER LENGTH: 3.36M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 600MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach				
																							mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9m																					8240*	8240*	7679
8m													9560*	9560*							7930*	7930*	8446
7m													9620*	9620*	8050*	8050*					7800*	7800*	9034
6m											10590*	10590*	9900*	9900*	9440*	8450					7760*	7740	9483
5m					18340*	18340*	14730*	14730*	12630*	12630*	11260*	11260*	10310*	9940	9640*	8300					7830*	7230	9806
4m							16660*	16660*	13800*	13800*	12010*	11750	10790*	9670	9920*	8120	8180*	6910		7960*	6880	10022	
3m							18390*	18320	14910*	14120	12740*	11370	11270*	9410	10220*	7950	9440*	6800	8220*	6670	10130		
2m							19560*	17730	15780*	13670	13350*	11040	11690*	9180	10470*	7780	9520	6700	8590*	6570	10138		
1m							20050*	17390	16310*	13360	13770*	10790	11980*	8990	10630*	7650	9430	6620	9110*	6580	10045		
0m					13390*	13390*	19980*	17230	16470*	13160	13950*	10620	12090*	8860	10650*	7560				9570*	6720	9845	
-1m			11560*	11560*	18360*	18360*	19460*	17170	16250*	13070	13830*	10530	11970*	8780	10440*	7520				9640*	6980	9540	
-2m	13870*	13870*	17190*	17190*	22070*	22070*	18540*	17190	15670*	13060	13390*	10510	11550*	8770	9870*	7540				9660*	7430	9115	
-3m	19170*	19170*	23260*	23260*	20200*	20200*	17180*	17180*	14660*	13130	12550*	10570	10680*	8850						9620*	8150	8546	
-4m			20470*	20470*	17750*	17750*	15290*	15290*	13100*	13100*	11110*	10720								9410*	9310	7808	
-5m			16260*	16260*	14470*	14470*	12600*	12600*	10690*	10690*										8870*	8870*	6842	

LIFT CAPACITIES – DIPPER LENGTH: 3.36M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 700MM TRACK SHOES. JS500 MONO





















Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach					
																							mm	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9m																					8240*	8240*	7679	
8m														9560*	9560*						7930*	7930*	8446	
7m														9620*	9620*	8050*	8050*				7800*	7800*	9034	
6m											10590*	10590*	9900*	9900*	9440*	8530					7760*	7760*	9483	
5m					18340*	18340*	14730*	14730*	12630*	12630*	11260*	11260*	10310*	10030	9640*	8370					7830*	7300	9806	
4m							16660*	16660*	13800*	13800*	12010*	11850	10790*	9760	9920*	8200	8180*	6980		7960*	6950	10022		
3m							18390*	18390*	14910*	14250	12740*	11470	11270*	9500	10220*	8020	9440*	6870	8220*	6740	10130			
2m							19560*	17900	15780*	13800	13350*	11150	11690*	9270	10470*	7860	9530	6770	8590*	6640	10138			
1m							20050*	17560	16310*	13490	13770*	10900	11980*	9080	10630*	7730	9530	6690	9110*	6650	10045			
0m					13390*	13390*	19980*	17390	16470*	13290	13950*	10730	12090*	8950	10650*	7640				9570*	6790	9845		
-1m			11560*	11560*	18360*	18360*	19460*	17330	16250*	13200	13830*	10630	11970*	8870	10440*	7600				9640*	7050	9540		
-2m	13870*	13870*	17190*	17190*	22070*	22070*	18540*	17360	15670*	13190	13390*	10610	11550*	8860	9870*	7620				9660*	7510	9115		
-3m	19170*	19170*	23260*	23260*	20200*	20200*	17180*	17180*	14660*	13260	12550*	10670	10680*	8930						9620*	8230	8546		
-4m			20470*	20470*	17750*	17750*	15290*	15290*	13100*	13100*	11110*	10820								9410*	9400	7808		
-5m			16260*	16260*	14470*	14470*	12600*	12600*	10690*	10690*										8870*	8870*	6842		























Notes:

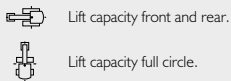
1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – DIPPER LENGTH: 3.36M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 800MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach				
																					kg	kg	mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
9m																					8240*	8240*	7679
8m														9560*	9560*						7930*	7930*	8446
7m														9620*	9620*	8050*	8050*				7800*	7800*	9034
6m											10590*	10590*		9900*	9900*	9440*	8600				7760*	7760	9483
5m					18340*	18340*	14730*	14730*	12630*	12630*	11260*	11260*	10310*	10120	9640*	8450					7830*	7370	9806
4m							16660*	16660*	13800*	13800*	12010*	11960	10790*	9850	9920*	8280	8180*	7040			7960*	7020	10022
3m							18390*	18390*	14910*	14380	12740*	11580	11270*	9590	10220*	8100	9440*	6940			8220*	6810	10130
2m							19560*	18060	15780*	13930	13350*	11250	11690*	9360	10470*	7940	9530	6840			8590*	6710	10138
1m							20050*	17730	16310*	13620	13770*	11000	11980*	9170	10630*	7810	9540	6760			9110*	6720	10045
0m					13390*	13390*	19980*	17560	16470*	13420	13950*	10830	12090*	9040	10650*	7710					9570*	6850	9845
-1m			11560*	11560*	18360*	18360*	19460*	17500	16250*	13330	13830*	10740	11970*	8960	10440*	7670					9640*	7130	9540
-2m	13870*	13870*	17190*	17190*	22070*	22070*	18540*	17520	15670*	13320	13390*	10720	11550*	8950	9870*	7700					9660*	7580	9115
-3m	19170*	19170*	23260*	23260*	20200*	20200*	17180*	17180*	14660*	13390	12550*	10780	10680*	9020							9620*	8310	8546
-4m			20470*	20470*	17750*	17750*	15290*	15290*	13100*	13100*	11110*	10930									9410*	9410*	7808
-5m			16260*	16260*	14470*	14470*	12600*	12600*	10690*	10690*											8870*	8870*	6842























LIFT CAPACITIES – DIPPER LENGTH: 2.48M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 600MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach					
																					kg	kg	mm	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
9m																						11720*	11720*	6510
8m																						11130*	11130*	7403
7m																						10800*	10150	8072
6m																						10620*	9080	8571
5m																						10530*	8370	8928
4m																						10500*	7900	9162
3m																						10510*	7620	9279
2m																						10540*	7500	9287
1m																						10570*	7520	9187
0m																						10610*	7690	8970
-1m																						10600*	8060	8633
-2m																						10520*	8700	8156
-3m																						10280*	9750	7515
-4m																						9670*	9670*	6664
-5m																						8220*	8220*	5498

























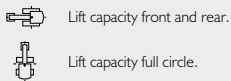
Notes: 1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
 2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
 3. Lift capacities assume that the machine is on firm, level ground.
 4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – DIPPER LENGTH: 2.485M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 700MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach				
																							
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
9m																					11720*	11720*	6510
8m											11190*	11190*									11130*	11130*	7403
7m											11210*	11210*	10810*	10380							10800*	10240	8072
6m							14420*	14420*	12670*	12670*	11550*	11550*	10850*	10120							10620*	9160	8571
5m							16150*	16150*	13610*	13610*	12080*	11820	11090*	9840							10530*	8450	8928
4m							18070*	18010	14640*	14030	12680*	11430	11420*	9570	10600*	8170					10500*	7980	9162
3m							19630*	17630	15550*	13590	13250*	11090	11760*	9320	10730*	8010					10510*	7700	9279
2m							17190*	17190*	16150*	13300	13680*	10830	12010*	9130	10820*	7870					10540*	7570	9287
1m							19950*	17430	16360*	13130	13880*	10660	12130*	8980	10800*	7770					10570*	7590	9187
0m							19270*	17320	16160*	13040	13800*	10560	12030*	8900							10610*	7770	8970
-1m					19080*	19080*	18280*	17230	15600*	13010	13420*	10530	11650*	8890							10600*	8140	8633
-2m			19400*	19400*	19190*	19190*	16940*	16940*	14650*	13050	12650*	10570	10820*	8970							10520*	8780	8156
-3m			18000*	18000*	17020*	17020*	15160*	15160*	13220*	13160	11330*	10720									10280*	9850	7515
-4m					14120*	14120*	12730*	12730*	11030*	11030*											9670*	9670*	6664
-5m							9090*	9090*													8220*	8220*	5498























LIFT CAPACITIES – DIPPER LENGTH: 2.485M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 800MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach					
																								
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
9m																						11720*	11720*	6510
8m												11190*	11190*									11130*	11130*	7403
7m												11210*	11210*	10810*	10470							10800*	10330	8072
6m							14420*	14420*	12670*	12670*	11550*	11550*	10850*	10210								10620*	9240	8571
5m							16150*	16150*	13610*	13610*	12080*	11930	11090*	9930								10530*	8530	8928
4m							18070*	18070*	14640*	14150	12680*	11530	11420*	9660	10600*	8250						10500*	8050	9162
3m							19630*	17790	15550*	13710	13250*	11190	11760*	9410	10730*	8080						10510*	7770	9279
2m							17190*	17190*	16150*	13420	13680*	10930	12010*	9210	10820*	7940						10540*	7650	9287
1m							19950*	17600	16360*	13250	13880*	10760	12130*	9070	10800*	7850						10570*	7670	9187
0m							19270*	17480	16160*	13160	13800*	10660	12030*	8990								10610*	7850	8970
-1m					19080*	19080*	18280*	17400	15600*	13130	13420*	10630	11650*	8980								10600*	8220	8633
-2m			19400*	19400*	19190*	19190*	16940*	16940*	14650*	13170	12650*	10680	10820*	9060								10520*	8870	8156
-3m			18000*	18000*	17020*	17020*	15160*	15160*	13220*	13220*	11330*	10820										10280*	9940	7515
-4m					14120*	14120*	12730*	12730*	11030*	11030*												9670*	9670*	6664
-5m							9090*	9090*														8220*	8220*	5498

























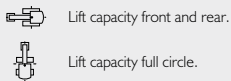
- Notes:
1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
 2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
 3. Lift capacities assume that the machine is on firm, level ground.
 4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – DIPPER LENGTH: 3.99M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 600MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach			
																						
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9m													7700*	7700*					6610*	6610*	8301	
8m													8750*	8750*	6460*	6460*			6400*	6400*	9012	
7m													8870*	8870*	8440*	8440*			6280*	6280*	9569	
6m													9170*	9170*	8800*	8520			6260*	6260*	9991	
5m											10370*	10370*	9600*	9600*	9050*	8320	7890*	7060	6310*	6310*	10300	
4m					18770*	18770*	14860*	14860*	12600*	12600*	11130*	11130*	10110*	9620	9370*	8100	8840*	6920	6450*	6420	10500	
3m					21950*	21950*	16680*	16680*	13760*	13760*	11910*	11220	10630*	9320	9710*	7890	9030	6780	6620*	6210	10607	
2m					14900*	14900*	18150*	17220	14770*	13380	12600*	10850	11110*	9050	10030*	7700	9200*	6640	6910*	6100	10614	
1m					14420*	14420*	19060*	16790	15500*	13000	13140*	10560	11490*	8830	10270*	7530	9290	6530	7320*	6090	10522	
0m			8940*	8940*	16480*	16480*	19390*	16530	15890*	12740	13470*	10340	11720*	8660	10400*	7410	9200	6450	7820*	6180	10337	
-1m	9600*	9600*	12880*	12880*	19860*	19860*	19220*	16400	15920*	12590	13540*	10200	11760*	8550	10360*	7330	9020*	6410	8540*	6380	10044	
-2m	13580*	13580*	17090*	17090*	22740*	22740*	18620*	16360	15590*	12530	13320*	10140	11540*	8500	10080*	7300			9180*	6720	9640	
-3m	17740*	17740*	21890*	21890*	21150*	21150*	17600*	16390	14880*	12550	12750*	10150	11000*	8510	9410*	7350			9230*	7260	9105	
-4m	22480*	22480*	22920*	22920*	19050*	19050*	16090*	16090*	13720*	12640	11740*	10230	9970*	8620					9200*	8100	8419	
-5m			19150*	19150*	16310*	16310*	13970*	13970*	11940*	11940*	10050*	10050*							9000*	9000*	7533	
-6m					12620*	12620*	10910*	10910*	9110*	9110*									8360*	8360*	6371	

LIFT CAPACITIES – DIPPER LENGTH: 3.99M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 700MM TRACK SHOES. JS500 MONO























Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach			
																						
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9m													7700*	7700*					6610*	6610*	8301	
8m													8750*	8750*	6460*	6460*			6400*	6400*	9012	
7m													8870*	8870*	8440*	8440*			6280*	6280*	9569	
6m													9170*	9170*	8800*	8600			6260*	6260*	9991	
5m											10370*	10370*	9600*	9600*	9050*	8400	7890*	7130	6310*	6310*	10300	
4m					18770*	18770*	14860*	14860*	12600*	12600*	11130*	11130*	10110*	9710	9370*	8180	8840*	6990	6450*	6450*	10500	
3m					21950*	21950*	16680*	16680*	13760*	13760*	11910*	11330	10630*	9410	9710*	7970	9030	6840	6620*	6270	10607	
2m					14900*	14900*	18150*	17380	14770*	13500	12600*	10960	11110*	9140	10030*	7770	9200*	6710	6910*	6170	10614	
1m					14420*	14420*	19060*	16950	15500*	13120	13140*	10660	11490*	8920	10270*	7610	9320	6600	7320*	6160	10522	
0m			8940*	8940*	16480*	16480*	19390*	16690	15890*	12870	13470*	10440	11720*	8750	10400*	7480	9290	6510	7820*	6240	10337	
-1m	9600*	9600*	12880*	12880*	19860*	19860*	19220*	16560	15920*	12720	13540*	10300	11760*	8630	10360*	7400	9020*	6480	8540*	6440	10044	
-2m	13580*	13580*	17090*	17090*	22740*	22740*	18620*	16520	15590*	12660	13320*	10240	11540*	8580	10080*	7380			9180*	6790	9640	
-3m	17740*	17740*	21890*	21890*	21150*	21150*	17600*	16550	14880*	12670	12750*	10250	11000*	8600	9410*	7430			9230*	7330	9105	
-4m	22480*	22480*	22920*	22920*	19050*	19050*	16090*	16090*	13720*	12760	11740*	10340	9970*	8700					9200*	8190	8419	
-5m			19150*	19150*	16310*	16310*	13970*	13970*	11940*	11940*	10050*	10050*							9000*	9000*	7533	
-6m					12620*	12620*	10910*	10910*	9110*	9110*									8360*	8360*	6371	

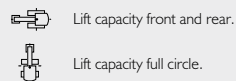


Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
2. 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.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – DIPPER LENGTH: 3.99M, MONOBOOM 7.1M, NO BUCKET, 9.5 T COUNTERWEIGHT, 800MM TRACK SHOES. JS500 MONO

Reach	2m		3m		4m		5m		6m		7m		8m		9m		10m		Capacity at Max Reach			
																						
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9m														7700*	7700*					6610*	6610*	8301
8m														8750*	8750*	6460*	6460*			6400*	6400*	9012
7m														8870*	8870*	8440*	8440*			6280*	6280*	9569
6m														9170*	9170*	8800*	8670			6260*	6260*	9991
5m											10370*	10370*	9600*	9600*	9050*	8470	7890*	7200		6310*	6310*	10300
4m					18770*	18770*	14860*	14860*	12600*	12600*	11130*	11130*	10110*	9800	9370*	8260	8840*	7060		6450*	6450*	10500
3m					21950*	21950*	16680*	16680*	13760*	13760*	11910*	11430	10630*	9500	9710*	8050	9030	6910		6620*	6340	10607
2m					14900*	14900*	18150*	17540	14770*	13620	12600*	11060	11110*	9230	10030*	7850	9200*	6780		6910*	6230	10614
1m					14420*	14420*	19060*	17110	15500*	13250	13140*	10760	11490*	9000	10270*	7690	9320	6660		7320*	6220	10522
0m			8940*	8940*	16480*	16480*	19390*	16850	15890*	12990	13470*	10540	11720*	8830	10400*	7560	9330	6580		7820*	6310	10337
-1m	9600*	9600*	12880*	12880*	19860*	19860*	19220*	16720	15920*	12840	13540*	10410	11760*	8720	10360*	7480	9020*	6540		8540*	6510	10044
-2m	13580*	13580*	17090*	17090*	22740*	22740*	18620*	16680	15590*	12780	13320*	10340	11540*	8670	10080*	7460				9180*	6860	9640
-3m	17740*	17740*	21890*	21890*	21150*	21150*	17600*	16710	14880*	12790	12750*	10350	11000*	8690	9410*	7510				9230*	7400	9105
-4m	22480*	22480*	22920*	22920*	19050*	19050*	16090*	16090*	13720*	12890	11740*	10440	9970*	8790						9200*	8270	8419
-5m			19150*	19150*	16310*	16310*	13970*	13970*	11940*	11940*	10050*	10050*								9000*	9000*	7533
-6m					12620*	12620*	10910*	10910*	9110*	9110*										8360*	8360*	6371



- Notes:**
1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
 2. 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.
 3. Lift capacities assume that the machine is on firm, level ground.
 4. Lift capacities may be limited by local regulations. Please refer to your dealer.







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