

JS360 TRACKED EXCAVATOR



A Product of Hard Work



The automatic choice for power and performance



PRODUCT WALKAROUND.....PAGE 4

SUPERB OPERATOR ENVIRONMENTPAGE 6

ALL-ROUND VISIBILITY AND OPTIMUM PERFORMANCE.....PAGE 7

MAXIMUM PRODUCTIVITY.....PAGE 8

HIGH POWER, LOW FUEL.....PAGE 9

MAINTENANCE MADE EASY.....PAGE 10

BUILT TO LAST.....PAGE 11

ALL THE ATTACHMENTS YOU NEEDPAGE 12

SPECIFICATION.....PAGE 13





Excellent all-round visibility

Large glass areas for closer working.

Low-level engine cover for excellent rear visibility.

Easy-open, gas-strut-assisted front window.

Auto mode for optimum performance

Advanced Management System controls all major functions.

Four operating modes: Auto, Economy, Precision and Lifting.

Auto mode automatically switches between maximum power and economy for fuel efficiency.

State-of-the-art hydraulics

Increased hydraulic flow and pressure for greater power.

Regenerative system for faster cycle times and reduced fuel consumption.

Cushion control on boom and dipper as standard.





Superb operator environment

Ergonomic high-back seat for superior comfort.

Easy-to-use, clearly marked controls.

Optional climate control.

Easy access to all areas

Ground-level access for easy servicing and reduced downtime.

All components in accessible areas.

Engine sump reached via hinged belly plate.

Highly efficient Tier 3 engine

Low fuel consumption.

Low noise and vibration.

6-cylinder Isuzu Tier 3 engine.

High power and torque.

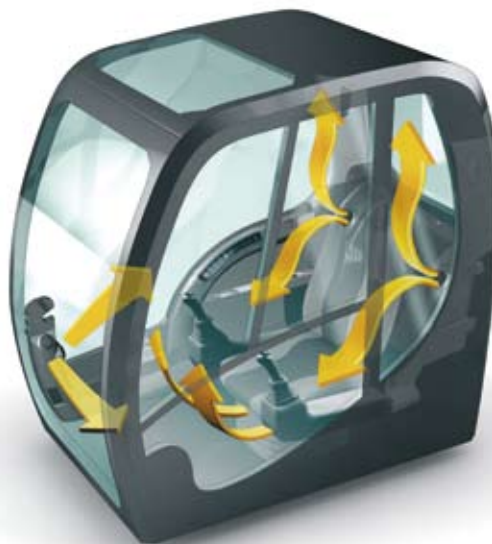
Superb operator environment

As with all the models in the JS Auto range, meticulous attention to detail has been applied to every inch of the JS360's cab. It is JCB's most stylish and well designed cab to date, with everything from the comfortable seat and servo controls positioning, to the handy radio mute button; all created for maximum ease of use and comfort.



Ergonomic, practical, comfortable

A comfortable, fully adjustable seating position reduces operator fatigue while the high-backed suspension seat (as standard) provides excellent support. Behind the seat is a practical, net-covered shelf that is large enough for a lunch bag. A huge door provides easy access to the cab, with a completely flat floor suitable for easy cleaning.



Climate control

Excellent heating and ventilation ensure ideal working conditions. Variable blower speed, temperature and recirculation controls are all well marked out and simple to use. An optional climate-control system and heated, air-suspended seat are also available.

ISO servo controls

All controls are clear and easy to use. The excavator boom and dipper are servo-lever operated to ISO control pattern, independently adjustable to the seat. The joystick-mounted track gear selection makes changing travel speed easier, while the engine speed is controlled by a dial-type throttle plus servo-lever-mounted, one-touch idle control or selectable auto-idle with adjustable time delay. Secondary control switches are banked to the side of the levers so there is no need to turn around to activate the controls.



All-round visibility and optimum performance

Thanks to the large glass areas and carefully designed front, side and roof lights, operators can enjoy excellent digging, loading and positioning visibility – even in conditions that demand close working. Inside the cab, all major functions are controlled by JCB's Advanced Management System (AMS). This on-board computer ensures maximum productivity at minimum operating cost by matching the engine and hydraulic system output to operator demand.

Gas-strut-assisted front window

The JS360 cab presents a clear view overhead, enhanced by the positioning of the wiper motor. The front screen is very smooth to operate. The lower screen stores easily and securely within the top screen frame, while the complete front is gas-strut assisted for fast and convenient use. A roller blind protects from glare through the front or top screens.

Large wiper area

The upper-screen, parallelogram-shaped wash wiper ensures a large, excellently wiped area for maximum visibility. The wiper motor is fitted in the left-hand side of the roof screen to avoid obstructing views of the bucket.

Excellent visibility to left and right

With no obstructive cab structures to get in the way, there is high visibility of both tracks; particularly to the edge of the front right track. To the rear, the new, sleek low-level engine cover also gives excellent visibility.



Clear and easy to use

The JS360 has four working modes for maximum control and efficiency, all available at the touch of a button. The AMS monitor itself is compactly designed with a clear, easy-to-use interface, featuring: antiglare screen, clock, message display area, power mode indicator, operational hours display, warning lamps, track gear indicator, gauges for fuel, water temperature and hydraulic temperature.

Records service data

The AMS records all the machine's key operating data, helping diagnose any problems and proving invaluable when it comes to selling on. Increased diagnostics, without the need for a PC, make servicing easier and quicker. Records can be downloaded to a computer if needed.

Cushion control

The ends of the main boom and dipper arm hydraulic rams are cushioned to prevent shock loadings, protecting your machine and making it more comfortable to operate. For convenience and efficiency, the cushion control is always on until deactivated. Deactivating cushion control gives faster cycle times for maximum productivity.



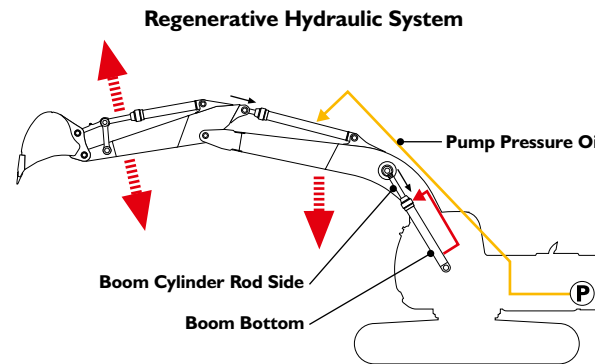
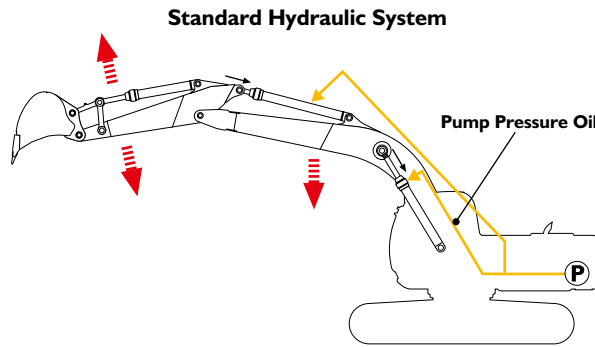
Maximum productivity

As with all the models in the JS Auto range, meticulous attention to detail has been applied to every inch of the JS360's cab. It is JCB's most stylish and well designed cab to date, with everything from the comfortable seat and servo controls positioning, to the handy radio mute button; all created for maximum ease of use and comfort.

Mode	Benefit
Auto	For heavy digging and high-output applications. It automatically switches between maximum power and economy depending on the hydraulic load.
Economy	Gives you maximum fuel efficiency in normal digging conditions by reducing maximum hydraulic pressure, hydraulic flow and engine rpm.
Precision	Further reduces hydraulic flow and engine rpm, giving you more control and accuracy for fine work and grading.
Lifting	Gives maximum power with reduced oil flow for controllability.

Increased hydraulic flow

The JS360 features a variable flow load sensing system with flow on demand, variable power output and servo-operated, multifunction open centre control, designed to provide increased flow and pressure. It is a regenerative system where oil is recycled, giving faster cycle times and reduced fuel consumption.



Faster truck loading

For optimum productivity, the JS360 has exceptional controllability and evenly matched working speeds for the boom and arm. Boom/slew priority as standard speeds up truck loading.

More dipper and dig force

High hydraulic flow and pressure also ensure maximum dipper force, drawbar pull and bucket dig force for greater performance. The maximum dipper tearout is 245kN, while maximum bucket tearout is 268kN.

The JS360 comes with a 6.45m mono boom for easy transportation and greater lift capacity. The boom is available with a choice of dipper lengths – 2.1, 2.63, 3.23, and 4.03 metres – to suit the requirements of reach, dig-depth, loadover height, tearouts and site versatility. Reserve strength is built into the fully welded structures for hydraulic hammer and other arduous operations.



High power, low fuel

The JS360's 7.8-litre, 6-cylinder Isuzu engine provides high power and torque combined with low fuel consumption and noise levels. All while meeting the latest Tier 3 clean emissions legislation.

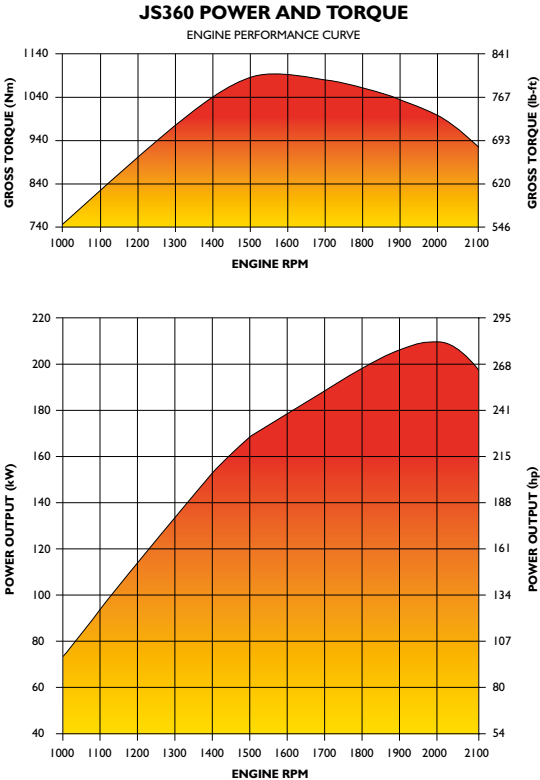
Power and torque

The Isuzu AH-6HK1X turbo diesel 6-pot engine produces 212kW (281 hp) at 2000rpm. This power is achieved through an isochronous electronic governor which reacts automatically to hydraulic system demand, maintaining the ideal engine output for a given operating condition.



High fuel efficiency

Achieving Tier 3 legislation, combined with electronic governing results in low fuel consumption per kilowatt hour. The machine's regenerative hydraulic system, combined with either the Advanced Management System's Auto or Economy mode when appropriate also results in fuel savings.



Improved cold start

A variable-speed cooling fan (EU only) is used for quicker engine warm up, with the added benefit of reducing noise levels. Machine auto warm up as standard also maximises performance in cold conditions.

Low noise and vibration

The Isuzu AH-6HK1X Tier 3 not only produces low emission levels but also low noise and vibration levels. Viscous mounting the whole cab structure also aids noise and vibration reduction.



Maintenance made easy

Fast, efficient maintenance of the JS360 is vital for ensuring the machine's productivity levels remain at their highest. A machine is only as good as its component parts and if one of those components fails, however minor, it can reduce productivity, lower performance or bring the whole machine to a halt. Therefore, it is not only vital to use genuine JCB parts, but also to make sure the entire machine is regularly maintained.

The Advanced Management System (AMS)

As well as ensuring maximum productivity at minimum operating costs, the AMS also monitors tracking hours and service data, offering diagnostic functions without the need to use a laptop computer. With three entry levels – the operator is only able to access the first level – service and machine data can be safely stored within the machine's computer for future use.



Ground-level access

Service access on the JS360 is excellent. A swing-out access cover makes getting to the engine sump very simple and there is a quick-fit drain pipe for use on engine-oil and fuel-tank drain plugs. All the steps and top covers are fitted with non-slip, heavy-duty panels.

With the new Tier 3 engine comes true ground-level servicing, including a digital display as part of the in-cab AMS for engine oil checks, and remote engine oil and fuel filters. Ground-level servicing not only reduces downtime but is much safer for technicians working in the field.



Optimum cooling performance

The JS360's Isuzu engine is designed for longevity and is helped by a bank of high-performing radiators mounted side by side. One is for the engine coolant, while a separate section is for the engine's intercooler. A third section is designed for keeping the hydraulic oil cool. Keeping the engine at the optimum temperature helps maintain performance and reduce downtime. The coolers are easily maintained, accessible via swing-open doors.



Built to last

Everything about the new JS360 indicates that it is built to last, offering maximum productivity over thousands of operational hours. Every single component has been carefully designed and manufactured to rigorous standards, ensuring long life, lower running costs and a high value when it finally comes to selling.

Reliable, protected hydraulic components

The JS360 uses high quality, reliable Japanese-made hydraulic components. In turn, these are protected by the highest standard Plexus filtration system, ensuring long hydraulic fluid and component life.



Modern design

The JS360's modern design incorporates superb damage protection as standard: curved side skirts and a big clearance over the tracks reduce damage to the superstructure; guards shield the undercarriage from debris; and cushion control on boom and dipper services reduces wear and tear on machine parts.

Regenerative circuits

Regenerative hydraulic systems provide faster cycle times and reduce fuel consumption.

Easy access

All components in the JS360's superstructure are easily accessible, so it is easier to maintain, which in turn maximises productivity.

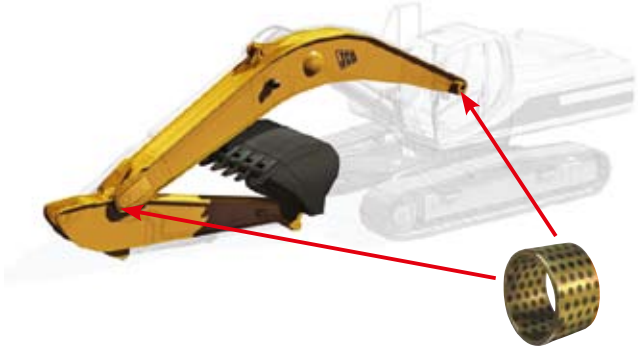


Greased and sealed for life

Track links are greased and sealed for life, reducing noise and extending operational track life.

1000-hour greasing intervals

Both the boom base and dipper pins have 1000-hour greasing intervals to reduce service time and costs.



All the attachments you need

The outstanding power, precision control and dipper range of this machine make it perfect for a wide range of applications, from extracting trench boxes to removing sheet piling. But of course, for each job you also need exactly the right tool. JCB offers a wide range of easily changeable attachments, with different bucket types, hammers, crushers and more, all designed to help you get the most out of your JCB machine.

QUICKHITCHES

For faster attachment changeover times, resulting in maximum machine and operator productivity, JCB offers a choice of easy-to-use quickhitches:

Mechanical quickhitch

Featuring a screw locking mechanism complete with a lock plate cover over the screw head. Comes with owner's manual and appropriate safety certificate.



MPG* quickhitch

Featuring easy hydraulic operation from within the cab and, for additional safety, a hydraulic check valve and manual locking pin. Also allows bucket mounting in face-shovel mode.



BUG quickhitch

Featuring full hydraulic operation from within the cab, plus a hydraulic check valve and automatic locking device for enhanced safety. Also allows bucket mounting in face-shovel mode.



BUCKETS

All JCB buckets are designed for maximum performance and durability:

Heavy-duty buckets

Additional weld in Esco sidecutters assist breakout force, protecting the bucket shell and extending bucket life. Side shrouds and a double-skinned shell provide additional protection and side plate reinforcements increase strength and rigidity.



Scoop buckets

Featuring a 100% fill factor design for higher productivity, and class-leading tearout force from the low-profile design and sunken pins, with no interference to boom or cab. Choose from general purpose, heavy-duty and extra heavy-duty.



Grading buckets

Side reinforcement plates offer additional strength and rigidity while drainage holes reduce weight during operation.

HAMMERMASTER

Every JCB hammer boasts: a long piston stroke for increased breaking performance; auto-stop function to eliminate damage to the breaker from idle blows; energy recovery for enhanced performance; JCB autogrease fitted as standard; and durable housing incorporating heavy-duty rock claw.



MULTIPROCESSOR

Available with universal or steel shear jaws, the JCB multiprocessor features hydraulic speed valves to reduce cycle times and ram guards to protect piston rods. The twin-ram, single-jaw pivot design eliminates displacement forces and 360° hydraulic rotation is achieved with break back protection.



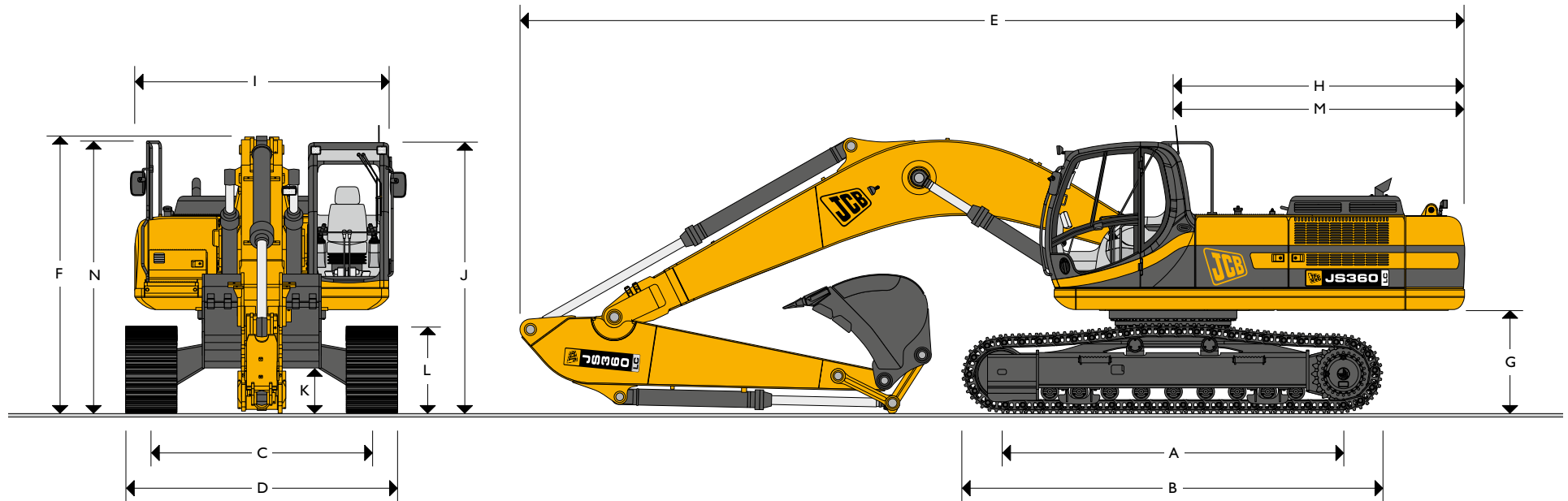
SELECTOR GRABS

The new selector grab range from JCB attachments includes a complete range of seven separate models to mount on both mid-range and heavy-line excavators within the 6-46 tonne range. The new line-up of sorting and demolition grabs provide the perfect solution for jobs involving selection and handling duties. Common applications include industries such as demolition, recycling and any job requiring the handling of waste materials.



* Please note. Some products are not available in all territories due to regional restrictions.

MAX OPERATING WEIGHT: 38372kg (84,596lb)



STATIC DIMENSIONS – JS360 LC/NLC MONOBOOM

Dimensions in millimetres (ft-in)	LC	NLC		
A Track length on ground	4021 (13-2)	4021 (13-2)		
B Undercarriage overall length	4954 (16-3)	4954 (16-3)		
C Track gauge	2600 (8-6)	2390 (7-6)		
D Width over tracks (600mm trackshoes)	3200 (10-6)	2990 (9-6)		
D Width over tracks (700mm trackshoes)	3300 (10-10)	3090 (10-1)		
D Width over tracks (800mm trackshoes)	3400 (11-2)	3190 (10-5)		
D Width over tracks (900mm trackshoes)	3500 (11-6)	3290 (10-10)		
Standard Boom 6.45m (21ft 2in)				
Dipper lengths	2.21m (7ft 3in)	2.63m (8ft 8in)	3.23m (10ft 8in)	4.03m (13ft 3in)
Dimensions in millimetres (ft-in)				
E Transport length – L	11280 (37-0)	11220 (36-9)	11120 (36-5)	11200 (36-8)
E Transport length – NL	11280 (37-0)	11220 (36-9)	11120 (36-5)	11200 (36-8)
F Transport height – L	3590 (11-9)	3660 (12-0)	3430 (11-4)	3850 (12-8)
F Transport height – NL	3590 (11-9)	3660 (12-0)	3430 (11-4)	3850 (12-8)

Dimensions in millimetres (ft-in)	LC	NLC
G Counterweight clearance	1214 (3-11)	1214 (3-11)
H Tail swing radius	3460 (11-4)	3460 (9-9)
I Overall width of superstructure	2990 (9-10)	2990 (9-10)
J Height over cab	3202 (10-6)	3202 (10-6)
K Ground clearance	530 (1-8)	530 (1-8)
L Track height	1024 (3-4)	1024 (3-4)
M Tail length	3431 (11-3)	3431 (11-3)
N Height over grab rail	3220 (10-6)	3220 (10-6)



ENGINE

Model	Isuzu AH – 6HK1X Tier 3.
Type	Water cooled, 4-stroke, 6-cylinder in-line, common rail direct injection, turbocharged and intercooled diesel.
Net power (SAE J1349 and 80/1269/EEC)	202kW (271 hp) at 2000rpm.
Gross power	212kW (281 hp) at 2000rpm.
Piston displacement	7.8 litres (475 cu.in.)
Bore/stroke	115mm x 125mm (4.5in. x 4.9in.)
Air filtration	Dry element with secondary safety element and in-cab warning indicator.
Starting system	24 volt.
Batteries	2 x 12 volt.
Alternator	24V, 50 ampere.

SWING SYSTEM

Swing motor	Axial piston type.
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake.
Final drive	Planetary reduction.
Swing speed	9.1 rpm
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.

UNDERCARRIAGE

Carriage options	L-Long Carriage and NL-Narrow Long 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 shoe options	600mm (24in), 700mm (28in), 800mm (32in), 900mm (34in).
Upper & 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.
	NL & L
No. of track guides	2 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

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

Pumps

Main pumps	2 variable displacement axial piston type.
Maximum flow	2 x 310 L/min (2 x 64 UK GPM).
Servo pump	Gear type.
Maximum flow	30 L/min (6.6 UK GPM).

Control valve

A combined four and five spool control valve with auxiliary service spool as 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 (4627lbf/sq.in)
With power boost	348 bar (5047lbf/sq.in)
Swing circuit	284 bar (4120lbf/sq.in)
Travel circuit	343 bar (4974lbf/sq.in)
Pilot control	45 bar (652lbf/sq.in)

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.

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, paper element.
Plexus bypass line	1.5 micron, paper element.
Pilot line	10 micron, paper element.
Hydraulic hammer return	10 micron, reinforced microform element.

Cooling

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

TRACK DRIVE

Type	Fully hydrostatic, three speed with autoshift.
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 to prevent overspeeding on gradients.
Park brake	Disc type, spring applied, automatic hydraulic release.
Gradeability	70% (35 deg) continuous.
Travel speed	High – 5.46 km/h (3.4 mph). Mid – 3.09 km/h (1.9 mph). Low – 2.5 km/h (1.5 mph).
Tractive effort	293kN (29877kgf, 65869lbf).



EXCAVATOR END – JS360 LC/NLC MONOBOOM

6.45m 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.

AMS – ADVANCED MANAGEMENT SYSTEM

Four selectable working modes link the operators control movements with the engine and hydraulic systems to maximise productivity and efficiency.

- 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. 68% of hydraulic flow with permanent power boost for maximum lifting power and control.

The Auto mode allows the AMS processor to select the optimum operational performance to match the demands of the job while the three alternative modes give precise matching of application when specific tasks are undertaken.

The adjustable position monitor mounted on the front right hand pillar of the cab gives the operator a constant read out of mode, tracking range, operating temperature and a host of other information, while retaining excellent visibility of the monitor and the job being carried out.

The required flow for hammer applications can be set and stored in the AMS memory and is automatically activated whenever the hammer pedal is depressed.

A maintenance indicator warns of imminent service needs, and all servicing and basic checks can be carried out using only the in cab display.

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 within the top screen frame it makes complete front screen opening easy, fast and convenient.

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.

Climate control. Fully adjustable deluxe suspension seat with arm rest adjustment and backrest recline. 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 suns' glare through front or top screens.

CONTROLS

- Excavator** All servo lever operated to ISO control pattern, independently adjustable to the seat.
- Tracks** Individually servo operated by foot pedal or hand lever.
Speed selection via joystick button.
- Auxiliary** Via servo operated foot pedal.
- Control isolation** Via gate lock lever at cab entrance or panel switch.
- Engine speed** Dial type throttle control plus servo lever mounted one-touch idle control or separate selectable auto-idle with adjustable time delay using AMS.
- Engine stop** Ignition key operated and separate shut-down button.
- Horn** Operated via servo lever mounted button.



SERVICE CAPACITIES

	Litres	UK gal
Fuel tank	670	147.4
Engine coolant	38.0	8.4
Engine oil	38.0	8.4
Swing reduction gear	14.5	3.19
track reduction gear (each side)	8.5	1.87
Hydraulic system	370	81.5
Hydraulic tank	183	40.2

STANDARD EXCAVATING BUCKETS

Standard excavating buckets are fully welded, heavy duty steel with hardened and sealed pivot pins.

Mono Boom length: 6.45m (21ft 2in)

Bucket width	mm	900	1000	1200	1350	1500	1600	1800	1750	1750
	in	35	39	47	53	59	63	71	70	70
Bucket capacity	m ³	0.85	0.98	1.245	1.45	1.49	1.61	1.845	2.2	2.34
	yd ³	1.11	1.28	1.63	1.9	1.95	2.1	2.41	2.88	3.06
Bucket weight	kg	921	974	1107	1228	1252	1304	1420	1790	1850
	lb	2030	2147	2441	2707	2760	2875	3131	3946	4079
Dipper length										
2.21m (7ft 3in)		○	○	○	○	○	○	○	●	●
2.63m (8ft 8in)		○	○	○	○	○	○	○	●	■
3.23m (10ft 7in)		○	○	○	○	○	○	●	■	■
4.03m (13ft 3in)		○	○	○	○	○	●	■	×	×

- Material weight up to 1800kg/m³ (1.35t/yd³)
- Material weight up to 1500kg/m³ (1.1t/yd³)
- Material weight up to 1200kg/m³ (0.90t/yd³)
- × 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.

WEIGHTS AND GROUND BEARING PRESSURES

Figures include 1.8cu.m. (2.35cu.yd.) bucket, operator, full fuel tank, and 3.23m (10ft 7in) dipper.

	600mm shoes	700mm shoes	800mm shoes	900mm shoes
JS360NLC Monoboom				
Machine weight kg (lb)	36522 (80517)	36967 (81498)	37412 (82479)	37857 (83460)
Ground bearing pressure kg/cm ² (lb/in ²)	0.71 (10.1)	0.62 (8.8)	0.54 (7.75)	0.48 (7.0)
JS360LC Monoboom				
Machine weight kg (lb)	36681 (80867)	37126 (81848)	37571 (82829)	38016 (83810)
Ground bearing pressure kg/cm ² (lb/in ²)	0.71 (10.1)	0.62 (8.8)	0.55 (7.78)	0.49 (7.0)

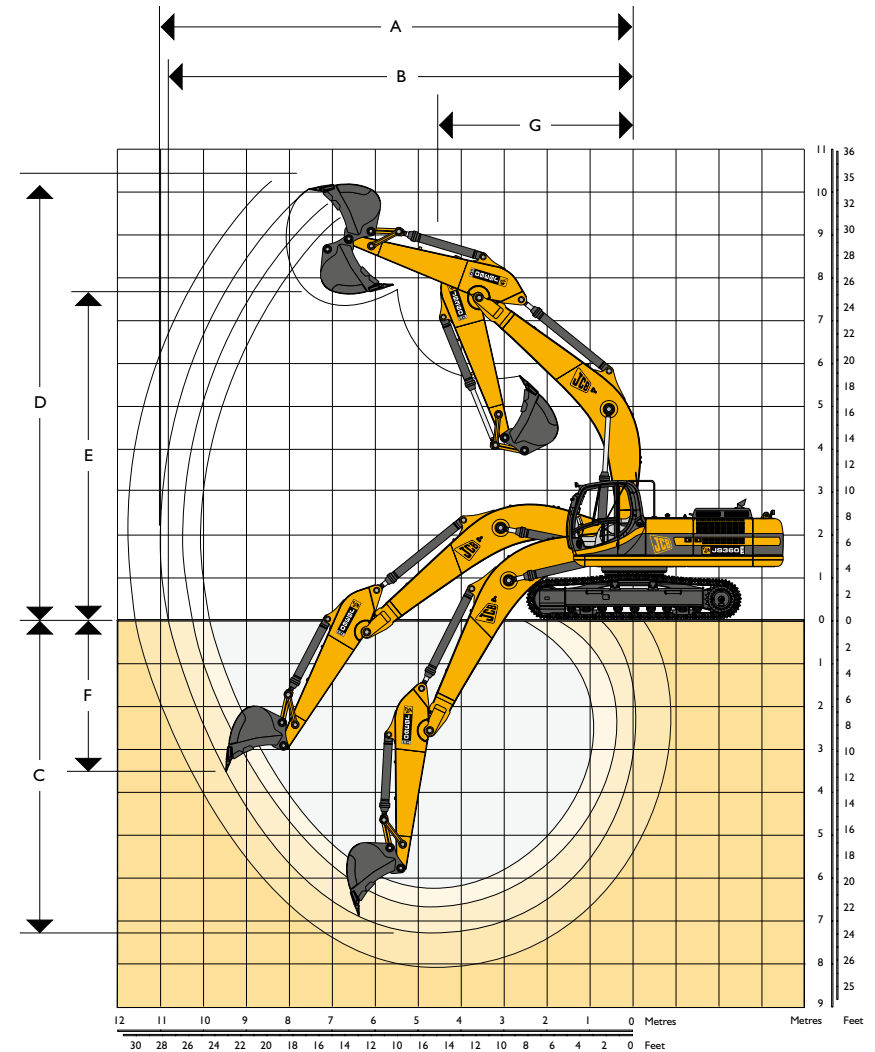
STANDARD / OPTIONAL EQUIPMENT

Standard Equipment: Engine fan guard; Cold start pre-heat; Auto engine warm up; Double element air cleaner; Electric refuelling pump; Heavy-duty alternator; Electrics isolator; Heavy-duty batteries; Cab & engine soundproofing; Cab heater & screen demister; Tinted glass; Interior light; Coat hook; Cigarette lighter; Ashtray; Climate control; Operator's storage shelf; Removable floor mat; Windscreen wash/wipe; Plug-in power socket; Automatic power boost; Auto-idle; One-touch engine speed control; Hydraulic cushion control; Boom/swing priority switch; Plexus hydraulic oil filtration; HSP pressure test points; Auxiliary pipework mounting brackets; Work lights – boom & mainframe mounted; Undercarriage belly guarding; Upper structure under covers; Swing system cover; Twin track guides; External mirrors; Handrail & non slip walk ways; Quick connect engine oil drain pipe; Front screen blind; Quick connect fuel tank drain pipe; Hinged engine under cover.

Optional Equipment: Hose burst check valves & overload warning system; Tipping link mounted lift points; General purpose buckets; Ditch/grading buckets; Quickhitch buckets; Hydraulic hammers; Auxiliary pipework (full and low flow); Cab mounted & rear work lights; Rotating beacon; Rain guard; Biodegradeable oil; Air suspension seat with heated pad and lumbar support adjustment; lower screen wiper; Radio; Cab protection guarding (FOPS level II), full length track guides.

WORKING RANGE – JS360 LC/NLC MONOBOOM

Standard Boom – Boom length: 6.45m (21ft 2in)			
Dipper length		2.21m (7ft 3in)	2.63m (8ft 8in)
A	Maximum digging reach	mm (ft-in)	10060 (33-0) / 10460 (34-4)
B	Maximum reach on ground	mm (ft-in)	9850 (32-4) / 10255 (33-8)
C	Maximum digging depth	mm (ft-in)	6250 (20-6) / 6680 (21-11)
D	Maximum digging height	mm (ft-in)	9510 (31-3) / 9730 (31-11)
E	Maximum dumping height	mm (ft-in)	6800 (22-4) / 7000 (23-0)
F	Maximum vertical cut depth	mm (ft-in)	2390 (7-10) / 2910 (9-6)
G	Minimum swing radius	mm (ft-in)	4740 (15-7) / 4710 (15-6)
	Bucket rotation		185° / 185°
	Dipper tearout with boost	kgf (lbf)	24940 (54983) / 21770 (47995)
	Bucket tearout with boost	kgf (lbf)	27350 (60296) / 27350 (60296)
Standard Boom – Boom length: 6.45m (21ft 2in)			
Dipper length		3.23m (10ft 7in)	4.03m (13ft 3in)
A	Maximum digging reach	mm (ft-in)	11020 (36-0) / 11760 (38-6)
B	Maximum reach on ground	mm (ft-in)	10820 (35-6) / 11570 (38-0)
C	Maximum digging depth	mm (ft-in)	7270 (23-10) / 8070 (26-6)
D	Maximum digging height	mm (ft-in)	10020 (32-11) / 10220 (33-6)
E	Maximum dumping height	mm (ft-in)	7260 (23-10) / 7570 (24-10)
F	Maximum vertical cut depth	mm (ft-in)	3580 (11-9) / 4390 (14-4)
G	Minimum swing radius	mm (ft-in)	4570 (14-5) / 4620 (15-2)
	Bucket rotation		185° / 185°
	Dipper tearout with boost	kgf (lbf)	18060 (39815) / 15500 (34171)
	Bucket tearout with boost	kgf (lbf)	27350 (60296) / 27350 (60296)



LIFT CAPACITIES – Dipper length: 2.21m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 LC

Load Point	Reach from Swing Centre														
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		Max. Reach		
															mm
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)							9990*	9990*					9920*	9240	6498
6m (19.8ft)							10380*	10340	9540*	7210			9530*	7170	7523
4.5m (14.9ft)					15020*	15020*	11460*	9840	9810*	7040			9380	6170	8146
3m (9.10ft)							12710*	9280	10350*	6780			8690	5680	8457
1.5m (4.11ft)							13580*	8850	10170	6550			8490	5520	8492
0m					18080*	13050	13740*	8630	10020	6410			8760	5660	8253
- 1.5m (- 4.11ft)					16750*	13130	13080*	8610	10020	6410			9650	6200	7715
- 3m (- 9.10ft)			17020*	17020*	14420*	13370	11310*	8770					9510	7450	6806
- 4.5m (- 14.9ft)					10100*	10100*							8330*	8330*	5334
- 6m (- 19.8ft)															

LIFT CAPACITIES – Dipper length: 2.63m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 LC

Load Point	Reach from Swing Centre															
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		Max. Reach			
															mm	
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
7.5m (24.7ft)														9170*	8240	7006
6m (19.8ft)							9810*	9810*	9000*	7300			8910*	6570	7965	
4.5m (14.9ft)					14080*	14080*	10960*	9950	9420*	7090			8700	5730	8555	
3m (9.10ft)					17070*	14020	12300*	9370	10050*	6800			8100	5290	8852	
1.5m (4.11ft)							13340*	8890	10170	6540			7920	5150	8884	
0m					18460*	13000	13710*	8620	9980	6370			8140	5260	8657	
- 1.5m (- 4.11ft)			14240*	14240*	17380*	13020	13300*	8540	9930	6320			8860	5690	8146	
- 3m (- 9.10ft)			19260*	19260*	15330*	13210	11900*	8650					9200*	6690	7292	
- 4.5m (- 14.9ft)					11640*	11640*							8530*	8530*	5945	
- 6m (- 19.8ft)																

Lift capacity front and rear.

Lift capacity full circle.

- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – Dipper length: 3.23m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 LC

Load Point	Reach from Swing Centre														
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		Max. Reach		
															mm
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									7870*	7480			6630*	6630	7704
6m (19.8ft)									8290*	7400			6410*	5850	8584
4.5m (14.9ft)							10170*	10120	8840*	7150	7610*	5300	6430*	5160	9134
3m (9.10ft)					15790*	14430	11620*	9500	9570*	6840	7910	5160	6660*	4800	9412
1.5m (4.11ft)					17960*	13410	12860*	8950	10180	6540	7740	5010	7120*	4660	9443
0m					18540*	12960	13520*	8600	9940	6320	7620	4900	7360	4740	9229
- 1.5m (- 4.11ft)			14080*	14080*	17940*	12860	13440*	8450	9820	6220			7900	5070	8753
- 3m (- 9.10ft)			21920*	21920*	16340*	12980	12480*	8480	9590*	6260			8680*	5810	7965
- 4.5m (- 14.9ft)			17390*	17390*	13390*	13310	10140*	8710					8430*	7450	6757
- 6m (- 19.8ft)															

LIFT CAPACITIES – Dipper length: 4.03m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 LC

Load Point	Reach from Swing Centre															
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		Max. Reach			
															mm	
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
9m (29.6ft)														5570*	5570*	7419
7.5m (24.7ft)														5160*	5160*	8601
6m (19.8ft)									7350*	7350*	6770*	5470	5010*	5010*	9396	
4.5m (14.9ft)									7980*	7240	7380*	5340	5020*	4490	9900	
3m (9.10ft)					13900*	13900*	10540*	9660	8810*	6880	7790*	5150	5170*	4190	10157	
1.5m (4.11ft)					16630*	13630	12000*	9000	9630*	6520	7690	4950	5490*	4070	10185	
0m			8770*	8770*	18020*	12880	12990*	8530	9860	6230	7510	4780	5990*	4100	9988	
- 1.5m (- 4.11ft)	8670*	8670*	13160*	13160*	18120*	12580	13310*	8260	9660	6050	7410	4690	6830	4330	9549	
- 3m (- 9.10ft)	13590*	13590*	18910*	18910*	17150*	12570	12850*	8200	9610	6010			7640	4840	8835	
- 4.5m (- 14.9ft)	19430*	19430*	20660*	20660*	15010*	12790	11370*	8320	8490*	6150			7930*	5890	7766	
- 6m (- 19.8ft)			14590*	14590*	10990*	10990*	7800*	7800*					7420*	7420*	6156	

Lift capacity front and rear.

Lift capacity full circle.

- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – Dipper length: 2.21m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 NLC

Load Point	Reach from Swing Centre														
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		Max. Reach		
															mm
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)							9990*	9740					9920*	8490	6498
6m (19.8ft)							10380*	9500	9540*	6620			9530*	6590	7523
4.5m (14.9ft)					15020*	13630	11460*	9000	9810*	6460			9360	5660	8146
3m (9.10ft)							12710*	8450	10350*	6200			8660	5190	8457
1.5m (4.11ft)							13580*	8030	10140	5970			8470	5030	8492
0m					18080*	11720	13740*	7820	9990	5830			8740	5160	8253
- 1.5m (- 4.11ft)					16750*	11790	13080*	7800	10000	5840			9620	5640	7715
- 3m (- 9.10ft)			17020*	17020*	14420*	12020	11310*	7960					9510*	6790	6806
- 4.5m (- 14.9ft)					10100*	10100*							8330*	8330*	5334
- 6m (- 19.8ft)															

LIFT CAPACITIES – Dipper length: 2.63m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 NLC

Load Point	Reach from Swing Centre															
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		Max. Reach			
															mm	
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
7.5m (24.7ft)														9170*	7580	7006
6m (19.8ft)							9810*	9610	9000*	6700			8910*	6040	7965	
4.5m (14.9ft)					14080*	13690	10960*	9110	9420*	6500			8680	5240	8555	
3m (9.10ft)					17070*	12650	12300*	8540	10050*	6220			8080	4840	8852	
1.5m (4.11ft)							13340*	8080	10150	5960			7900	4690	8884	
0m					18460*	11670	13710*	7810	9960	5790			8120	4790	8657	
- 1.5m (- 4.11ft)			14240*	14240*	17380*	11690	13300*	7740	9900	5750			8840	5180	8146	
- 3m (- 9.10ft)			19260*	19260*	15330*	11870	11900*	7840					9200*	6090	7292	
- 4.5m (- 14.9ft)					11640*	11640*							8530*	8310	5945	
- 6m (- 19.8ft)																

Lift capacity front and rear.

Lift capacity full circle.

- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – Dipper length: 3.23m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 NLC

Load Point	Reach from Swing Centre														Max. Reach	
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)					
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
7.5m (24.7ft)										7870*	6880			6630*	6540	7704
6m (19.8ft)										8290*	6810			6410*	5370	8584
4.5m (14.9ft)							10170*	9270	8840*	6560	7610*	4850	6430*	4720	9134	
3m (9.10ft)					15790*	13050	11620*	8660	9570*	6250	7880	4710	6660*	4380	9412	
1.5m (4.11ft)					17960*	12060	12860*	8130	10160	5960	7720	4570	7120*	4240	9443	
0m					18540*	11620	13520*	7790	9910	5740	7600	4460	7340	4310	9229	
- 1.5m (- 4.11ft)			14080*	14080*	17940*	11530	13440*	7640	9800	5640			7880	4610	8753	
- 3m (- 9.10ft)			21920*	21920*	16340*	11640	12480*	7670	9590*	5680			8680*	5280	7965	
- 4.5m (- 14.9ft)			17390*	17390*	13390*	11960	10140*	7900					8430*	6780	6757	
- 6m (- 19.8ft)																

LIFT CAPACITIES – Dipper length: 4.03m, Boom: 6.45m, Trackshoes: 600mm triple grouser.

JS360 NLC

Load Point	Reach from Swing Centre														Max. Reach	
	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)					
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
9m (29.6ft)														5570*	5570*	7419
7.5m (24.7ft)														5160*	5160*	8601
6m (19.8ft)									7350*	6930	6770*	5010	5010*	4610	9396	
4.5m (14.9ft)									7980*	6650	7380*	4890	5020*	4100	9900	
3m (9.10ft)					13900*	13530	10540*	8820	8810*	6290	7790*	4700	5170*	3810	10157	
1.5m (4.11ft)					16630*	12270	12000*	8180	9630*	5930	7670	4500	5490*	3690	10185	
0m			8770*	8770*	18020*	11540	12990*	7710	9830	5650	7490	4340	5990*	3720	9988	
- 1.5m (- 4.11ft)	8670*	8670*	13160*	13160*	18120*	11250	13310*	7450	9630	5470	7390	4250	6810	3920	9549	
- 3m (- 9.10ft)	13590*	13590*	18910*	18910*	17150*	11240	12850*	7390	9590	5430			7620	4390	8835	
- 4.5m (- 14.9ft)	19430*	19430*	20660*	20660*	15010*	11460	11370*	7510	8490*	5570			7930*	5340	7766	
- 6m (- 19.8ft)			14590*	14590*	10990*	10990*	7800*	7800*					7420*	7420*	6156	

Lift capacity front and rear.
 Lift capacity full circle.

- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.



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

©2009 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. 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.