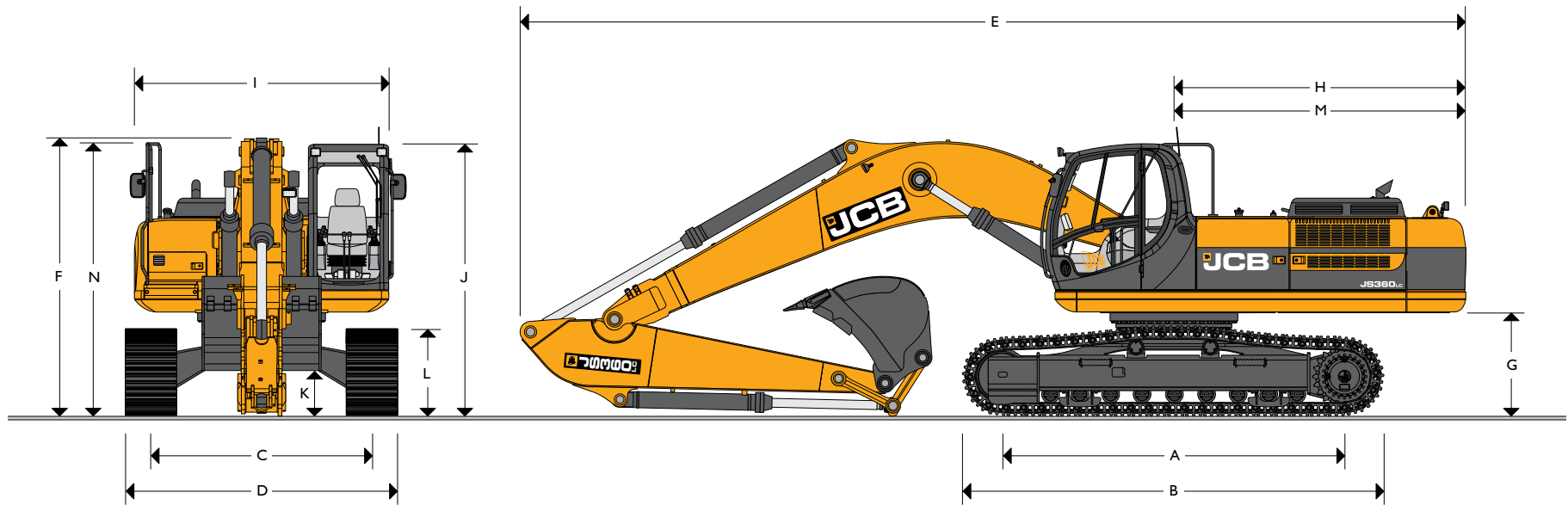




WORKING RANGE – JS360 LC MONOBOOM – MAX OPERATING WEIGHT: 84,596lb (38372kg)



STATIC DIMENSIONS – JS360 LC MONOBOOM

Dimensions in ft-in (mm)	
A	Track length on ground 13-2 (4021)
B	Undercarriage overall length 16-3 (4954)
C	Track gauge 8-6 (2600)
D	Width over tracks (600mm trackshoes) 10-6 (3200)
D	Width over tracks (700mm trackshoes) 10-10 (3300)
D	Width over tracks (800mm trackshoes) 11-2 (3400)
D	Width over tracks (900mm trackshoes) 11-6 (3500)

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

Standard Boom 21 ft 2in (6.45m)				
Dipper lengths	7ft 3in (2.21m)	8ft 8in (2.63m)	10ft 8in (3.23m)	13ft 3in (4.03m)
Dimensions in ft-in (mm)				
E	Transport length – L 37-0 (11280)	36-9 (11220)	36-5 (11120)	36-8 (11200)
F	Transport height – L 11-9 (3590)	12-0 (3660)	11-4 (3430)	12-8 (3850)

**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)	271 hp (202kW) at 2000rpm.
Gross power	281 hp (212kW) at 2000rpm.
Piston displacement	475 cu.in. (7.8 litres)
Bore/stroke	4.5in. x 4.9in. (115mm x 125mm)
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 amp.

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
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	24in (600mm), 28in (700mm), 32in (800mm), 34in (900mm).
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 center control.

Pumps

Main pumps	2 variable displacement axial piston type.
Maximum flow	2 x 82 GPM (2 x 310 L/min).
Servo pump	Gear type.
Maximum flow	7.9 GPM (30 L/min).

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	4627lb/sq.in (319 bar)
With power boost	5047lb/sq.in (348 bar)
Swing circuit	4120lb/sq.in (284 bar)
Travel circuit	4974lb/sq.in (343 bar)
Pilot control	652lb/sq.in (45 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.

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 – 3.4 mph (5.46 km/h). Mid – 1.9 mph (3.09 km/h). Low – 1.5 mph (2.5 km/h).
Tractive effort	65869lb, 29877kgf (293 kN).



EXCAVATOR END – JS360 LC MONOBOOM

21'1" 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.

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 windshield is very smooth to operate and as the lower windshield is stored within the top windshield frame it makes complete front windshield opening easy, fast and convenient.
Fresh air ventilation available from opening door window, opening slot in front windshield and fully opening front windshield.
Side to side 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 windshield wiper available.
Fresh air ventilation and heater with windshield defroster. Infinitely variable blower speed, temperature and recirculation control. Climate control. Fully adjustable deluxe suspension seat with arm rest adjustment and backrest recline.
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.

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 maximizes 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.

CONTROLS

- Excavator** All servo lever operated to ISO control pattern, independently adjustable to the seat. Dual pattern control switch, in the fuse box makes it convenient to switch from ISO to SAE control patterns.
- 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

	Gal	Liters
Fuel tank	177	670
Engine coolant	10	38.0
Engine oil	10	38.0
Swing reduction gear	3.8	14.5
track reduction gear (each side)	2.2	8.5
Hydraulic system	98	370
Hydraulic tank	48	183

WEIGHTS AND GROUND BEARING PRESSURES

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

		24in shoes	28in shoes	32in shoes	36in shoes
JS360LC Monoboom					
Machine weight	lb (kg)	80867 (36681)	81848 (37126)	82829 (37571)	83810 (38016)
Ground bearing pressure	lb/in ² (kg/cm ²)	10.1 (0.71)	8.8 (0.62)	7.78 (0.55)	7.0 (0.49)

STANDARD EXCAVATING BUCKETS

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

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

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

○ Material weight up to 1.35t/yd³ (1800kg/m³)

● Material weight up to 1.1t/yd³ (1500kg/m³)

■ Material weight up to 0.90t/yd³ (1200kg/m³)

I 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.

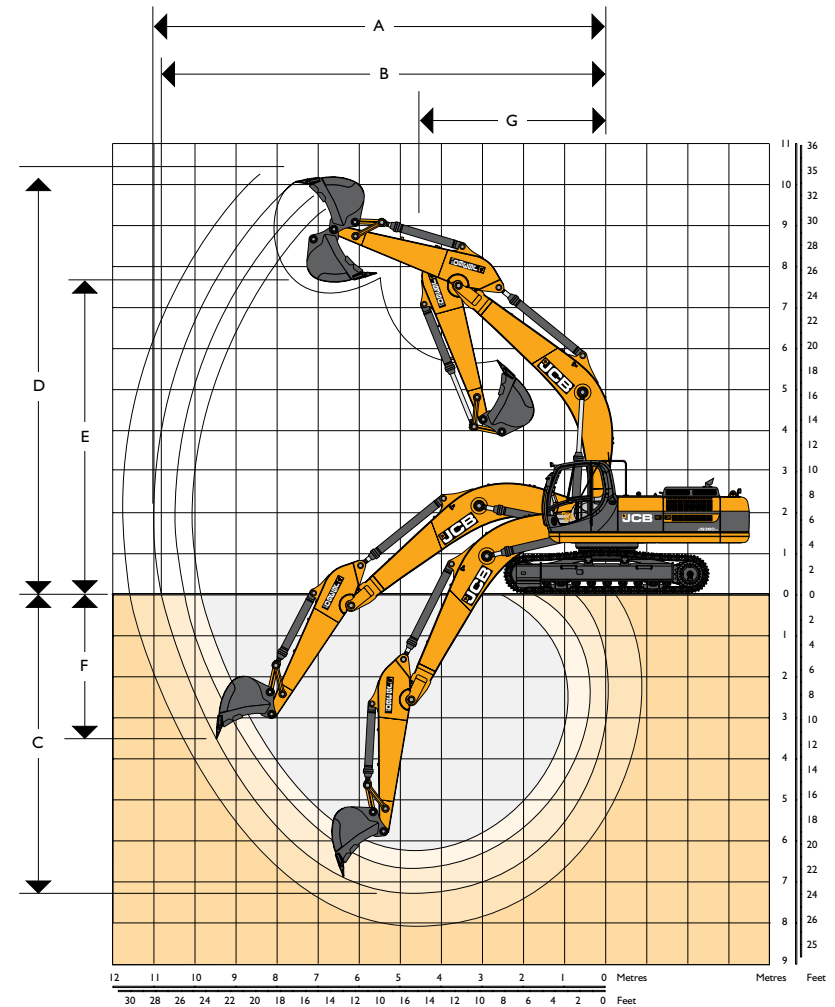
STANDARD / OPTIONAL EQUIPMENT

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 defroster; Tinted glass; Interior light; Coat hook; Cigarette lighter; Ashtray; Climate control; Operator's storage shelf; Removable floor mat; Windshield 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 windshield 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; Biodegradeable oil; Air suspension seat with heated pad and lumbar support adjustment; lower windshield wiper; Radio; Cab protection guarding (FOPS level II), full length track guides.

WORKING RANGE – JS360 LC MONOBOOM

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





LIFT CAPACITIES – Dipper length: 7'3", Boom: 21'2", Trackshoes: 24in triple grouser.

JS360 LC

Load Point	Reach from Swing Centre														ft-in	
	4ft 11in (1.5m)		9ft 10in (3m)		14ft 9in (4.5m)		19ft 8in (6m)		24ft 7in (7.5m)		29ft 6in (9m)		Max. Reach			
Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
24.7ft (7.5m)							22024*	22024*						21870*	20371	21-3
19.8ft (6m)							22884*	22796	21032*	15895				21010*	15807	24-8
14.9ft (4.5m)					33113*	33113*	25265*	21693	21627*	15521				20679	13603	26-8
9.10ft (3m)							28021*	20459	22818*	14947				19158	12522	27-8
4.11ft (1.5m)							29939*	19511	22421	14440				18717	12170	27-10
0m					39859*	28770*	30292*	19026	22090	14132				19312	12478	27-1
-4.11ft (-1.5m)					36927*	2894	28836*	18982	22090	14132				21275	13669	25-3
-9.10ft (-3m)			37522*	37522*	31790*	29476	24934*	19335						20966	16424	22-3
-14.9ft (-4.5m)					22266*	22267*								18365*	18365*	17-6
-19.8ft (-6m)																

LIFT CAPACITIES – Dipper length: 8'6", Boom: 21'2", Trackshoes: 24in triple grouser.

JS360 LC

Load Point	Reach from Swing Centre														ft-in	
	4ft 11in (1.5m)		9ft 10in (3m)		14ft 9in (4.5m)		19ft 8in (6m)		24ft 7in (7.5m)		29ft 6in (9m)		Max. Reach			
Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
24.7ft (7.5m)														20216*	18166	23-0
19.8ft (6m)							21627*	21627*	19842*	16094				19643*	14484	26-1
14.9ft (4.5m)					31041*	31041*	24163*	21936	20768*	15631				19180	12632	28-0
9.10ft (3m)					37633*	30909	27117*	20657	22156*	14991				17857	11662	29-0
4.11ft (1.5m)							29410*	19599	22421	14418				17461	11354	29-1
0m					40697*	28660	30225*	19004	22002	14043				17946	11596	28-4
-4.11ft (-1.5m)			31394*	31394*	38316*	28704	29321*	18827	21892	13933				19533	12544	26-8
-9.10ft (-3m)			42461*	42461*	33797*	29123	26235*	19070						20283*	14749	23-11
-14.9ft (-4.5m)					25662*	25662*								18805*	18805*	19-6
-19.8ft (-6m)																

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: 10'6", Boom: 21'2", Trackshoes: 24in triple grouser.

JS360 LC

Load Point	Reach from Swing Centre														ft-in	
	4ft 11in (1.5m)		9ft 10in (3m)		14ft 9in (4.5m)		19ft 8in (6m)		24ft 7in (7.5m)		29ft 6in (9m)		Max. Reach			
Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	
24.7ft (7.5m)									17350*	16491				14617*	14617	25-3
19.8ft (6m)									18276*	16314				14132*	12897	28-1
14.9ft (4.5m)							22421*	22311	19489*	15763	16777*	11685	14176*	11376	30-0	
9.10ft (3m)					34811*	31813	25618*	20944	21098*	15080	17439	11376	14683*	10582	30-10	
4.11ft (1.5m)					39595*	29564	28351*	19731	22443	14418	17064	11045	15697*	10274	31-0	
0m					40874*	28572	29807*	18960	21914	13933	16799	10803	16226	10450	30-3	
-4.11ft (-1.5m)			31041*	31041*	39551*	28351	29630*	18629	21649	13713			17417	11177	28-8	
-9.10ft (-3m)			48325*	48325*	36024*	28616	27514*	18695	21142*	13801			19136*	12809	26-1	
-14.9ft (-4.5m)			38338*	38338*	29520*	29344	22355*	19202					18585*	16424	22-2	
-19.8ft (-6m)																

LIFT CAPACITIES – Dipper length: 13'2", Boom: 21'2", Trackshoes: 24in triple grouser.

JS360 LC

Load Point	Reach from Swing Centre														ft-in	
	4ft 11in (1.5m)		9ft 10in (3m)		14ft 9in (4.5m)		19ft 8in (6m)		24ft 7in (7.5m)		29ft 6in (9m)		Max. Reach			
Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	
29.6ft (9m)														12280*	12280*	24-4
24.7ft (7.5m)														11376*	11376*	28-2
19.8ft (6m)									16204*	16204*	14925*	12059	11045*	11045*	30-10	
14.9ft (4.5m)									17593*	15961	16270*	11773	11067*	9899	32-5	
9.10ft (3m)					30644*	30644*	23237*	21297	19423*	15168	17174*	11354	11398*	9237	33-3	
4.11ft (1.5m)					36663*	30049	26455*	19842	21231*	14374	16954	10913	12103*	8973	33-5	
0m			19335*	19335*	39727*	28396	28638*	18805	21738	13735	16557	10538	13206*	9039	32-9	
-4.11ft (-1.5m)	19114*	19114*	29013*	29013*	39948*	27734	29344*	18210	21297	13338	16336	10340	15058	9546	31-4	
-9.10ft (-3m)	29961*	29961*	41689*	41689*	37809*	27712	28329*	18078	21186	13250			16843*	10670	29-0	
-14.9ft (-4.5m)	42836*	42836*	45548*	45548*	33091*	28197	25067*	18342	18717*	13558			17483*	12985	25-5	
-19.8ft (-6m)			32165*	32165*	24229*	24229*	17196*	17196*					16358*	16358*	20-2	

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.



A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into one of the world's largest manufacturers of backhoe loaders, crawler excavators, wheeled excavators, telescopic handlers, wheeled loaders, dump trucks, rough terrain fork lifts, industrial fork lifts, mini/midi excavators, skid steer loaders and tractors.

By making constant and massive investments in the latest production technology, the JCB factories have become some of the most advanced in the world.

By leading the field in innovative research and design, extensive testing and stringent quality control, JCB machines have become renowned all over the world for performance, value and reliability.

And with an extensive dealer sales and service network in over 150 countries, we aim to deliver the best customer support in the industry.

Through setting the standards by which others are judged, JCB has become one of the world's most impressive success stories.



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