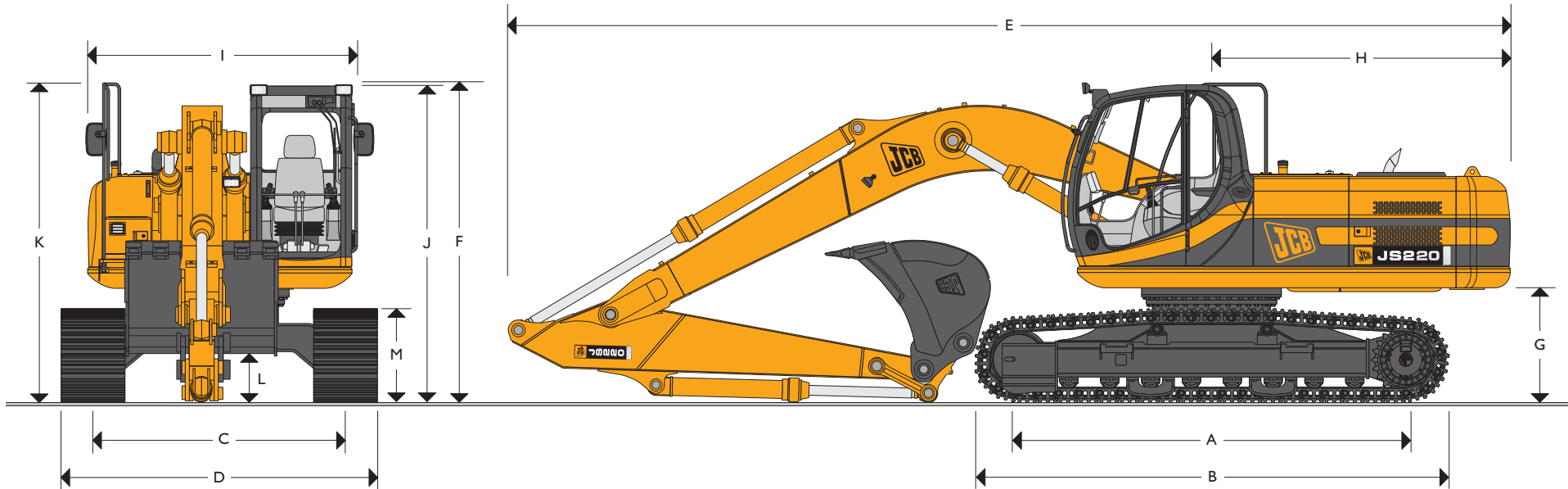




# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC



MAX. OPERATING WEIGHT 22550 kg  
 NETT ENGINE POWER 102 kW



## STATIC DIMENSIONS

Dimensions in millimetres (ft-in)	NC	SC	LC
<b>A</b> Track length on ground	3370 (11-1)	3370 (11-1)	3660 (12-0)
<b>B</b> Undercarriage overall length	4170 (13-8)	4170 (13-8)	4460 (14-8)
<b>C</b> Track gauge	1990 (6-6)	2200 (7-2)	2390 (7-10)
<b>D</b> Width over tracks (500mm trackshoes)	2490 (8-2)	2700 (8-10)	-
<b>D</b> Width over tracks (600mm trackshoes)	2590 (8-6)	2800 (9-2)	2990 (9-10)
<b>D</b> Width over tracks (700mm trackshoes)	2690 (8-10)	2900 (9-6)	3090 (10-2)
<b>D</b> Width over tracks (800mm trackshoes)	-	-	3190 (10-6)
<b>D</b> Width over tracks (900mm trackshoes)	-	-	3290 (10-10)

Dipper lengths	1.91m	2.40m	3.0m
<b>E</b> Transport length with Monoboomb	9570 (31-5)	9560 (31-4)	9440 (31-0)
<b>F</b> Transport height with Monoboomb	3055 (10-0)	3060 (10-0)	3025 (9-11)

Dimensions in millimetres (ft-in)	
<b>G</b> Counterweight clearance	1066 (3-6)
<b>H</b> Tailswing radius	2825 (9-3)
<b>I</b> Width of superstructure	2549 (8-4)
<b>J</b> Height over cab	2946 (9-8)
<b>K</b> Height over grab rail	3025 (9-11)
<b>L</b> Ground clearance	486 (1-7)
<b>M</b> Track height	885 (2-11)



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## ENGINE

<b>Model</b>	Isuzu BB-6BGIT. European Tier II emissions compliant.
<b>Type</b>	Water cooled, 4-stroke, 6-cylinder in-line, direct injection, turbocharged diesel.
<b>Nett power (ISO 3046-INF)</b>	102kW (138hp) at 1950rpm.
<b>Piston Displacement</b>	6.494 litres (396 cu.in.).
<b>Injection</b>	Mechanical governor.
<b>Air Filtration</b>	Dry element with secondary safety element and in cab warning indicator.
<b>Cooling</b>	Water cooler via large capacity radiator.
<b>Starting system</b>	24 volt – 4.5kW.
<b>Batteries</b>	2 x 12 volt Heavy Duty.
<b>Alternator</b>	24 volt 40 amp.
<b>Refuelling pump</b>	Electric type.

## SWING SYSTEM

<b>Swing motor</b>	Axial piston.
<b>Swing brake</b>	Hydraulic braking plus automatic spring applied disc type parking brake.
<b>Final drive</b>	Planetary reduction.
<b>Swing speed</b>	12.9rpm.
<b>Swing gear</b>	Large diameter, internally toothed fully sealed grease bath lubricated.
<b>Swing lock</b>	Switchable brake in cab.

## UNDERCARRIAGE

<b>Carriage options</b>	SC-Standard, NC-Narrow and LC-Long Carriage.	
<b>Construction</b>	Fully welded, "X" frame type with central bellyguarding and track motor guards. Sloping sidemembers with dirt relief holes under top rollers.	
<b>Recovery point</b>	Front and rear.	
<b>Track type</b>	Sealed and greased.	
<b>Track shoe options</b>	NC & SC – 500mm (20in), 600mm (24in), 700mm (28in). LC – 600mm (24in), 700mm (28in), 800mm (31.5in), 900mm (36in).	
<b>Upper &amp; lower rollers</b>	Heat treated, sealed and lubricated.	
<b>Track adjustment</b>	Grease cylinder type.	
<b>Track idler</b>	Sealed and lubricated, with spring cushioned recoil.	
	<b>NC &amp; SC</b>	<b>LC</b>
<b>No. of track guides</b>	2 per side	2 per side
<b>No. of lower rollers</b>	7 per side	8 per side
<b>No. of upper rollers</b>	2 per side	2 per side
<b>No. of track shoes</b>	46 per side	49 per side

## HYDRAULICS

A variable flow load sensing system with flow on demand, variable power output and servo operated, multi-function open centre control. Machine auto warm up standard – maximises performance in cold conditions.

### Pumps

<b>Main pumps</b>	2 variable displacement axial piston type.
<b>Maximum flow</b>	2 x 214 L/min (2 x 47 UK GPM).
<b>Servo pump</b>	Gear type.
<b>Maximum flow</b>	20 L/min (4.4 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

<b>Boom/Arm/Bucket</b>	343 bar (4975 lbf/sq.in)
<b>Automatic power boost</b>	373 bar (5410 lbf/sq.in)
<b>Swing circuit</b>	289 bar (4190 lbf/sq.in)
<b>Travel circuit</b>	343 bar (4975 lbf/sq.in)
<b>Pilot control</b>	40 bar (580 lbf/sq.in)

A separate Cushion Control valve in the servo system provides cushioning of the boom and dipper spools selection and quick warm-up of the servo system.

### 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.  
Optional hose burst check valves available for boom and dipper rams.

### Filtration

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

<b>In tank</b>	150 micron, suction strainer.
<b>Main return line</b>	10 micron, fibreform element.
<b>Plexus Bypass line</b>	1.5 micron, paper element.
<b>Pilot line</b>	10 micron, paper element.
<b>Hydraulic hammer return</b>	10 micron, reinforced microform element.

### Cooling

Cooling is provided via a full return line air blast cooler as part of a single face cooling pack in conjunction with the engine water cooler.

## TRACK DRIVE

<b>Type</b>	Fully hydrostatic, three speed with autoshift between high and medium speed.
<b>Travel motors</b>	Variable swash axial piston type, fully guarded within undercarriage frame.
<b>Final drive</b>	Planetary reduction, bolt-on sprockets.
<b>Service brake</b>	Hydraulic counter balance valve to prevent overspeeding on gradients.
<b>Park brake</b>	Disc type, spring applied, automatic hydraulic release.
<b>Gradeability</b>	70% (35 deg) continuous.
<b>Travel speed</b>	High – 5.6 km/h (3.4 mph). Mid – 3.3 km/h (2.1 mph). Low – 2.3 km/h (1.4 mph).
<b>Tractive effort</b>	191.9kN (19570 kgf, 43144 lbf).



# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC



## EXCAVATOR END

Monoboom available along with a choice of dipper lengths to suit the requirements of reach, dig-depth, loadover height, tearout and site versatility. 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.

Strong, durable construction, large cross sections and multi plate fabrications to withstand high stress applications. The 5.7m (18ft 8in) boom is designed to ensure the optimum digging envelope when matched with the three dipper lengths. Low maintenance bronze alloy bushes with graphite plugs are fitted to boom base and boom to dipper pivots resulting in 1000 hour greasing intervals at these 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 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. Air conditioning or climate control incorporating chilled cool box available as option. Fully adjustable deluxe suspension seat with arm rest adjustment and backrest recline. Radio cassette player 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.

## 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. 63% 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.

### 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

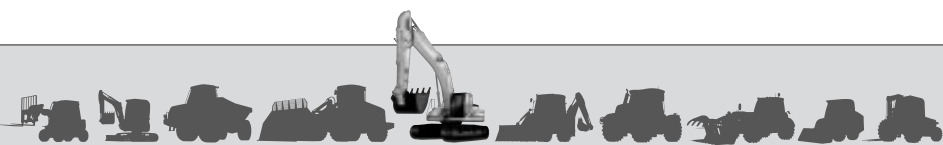
Dial type throttle control plus servo lever mounted one-touch idle control or separate selectable auto-idle with adjustable time delay using AMS.

### Engine stop

Ignition key operated and separate shut-down button.

### Horn

Operated via servo lever mounted button.



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## SERVICE CAPACITIES

Fuel tank	litres (UK gal)	343 (75.5)
Engine coolant	litres (UK gal)	25.5 (5.61)
Engine oil	litres (UK gal)	21.5 (4.7)
Swing reduction gear	litres (UK gal)	5.0 (1.1)
Track reduction gear (each side)	litres (UK gal)	4.7 (1.0)
Hydraulic system	litres (UK gal)	200 (44)
Hydraulic tank	litres (UK gal)	120 (26.4)

## GENERAL PURPOSE EXCAVATOR BUCKETS

All buckets are JCB – Escó type fully welded steel, with sealed, hardened steel pivot pins and replaceable wear parts.

Max Width	Capacity (SAE heaped)	Weight
600mm (24in.)	0.40cu.m (0.52cu.yd)	484kg (1067lb)
900mm (36in.)	0.71cu.m (0.93cu.yd)	595kg (1312lb)
1000mm (39in.)	0.81cu.m (1.06cu.yd)	627kg (1382lb)
1200mm (47in.)	1.03cu.m (1.35cu.yd)	705kg (1555lb)
1350mm (53in.)	1.05cu.m (1.37cu.yd)	679kg (1497lb)
1450mm (57in.)	1.14cu.m (1.49cu.yd)	720kg (1588lb)
1500mm (59in.)	1.19cu.m (1.56cu.yd)	734kg (1618lb)

## WEIGHTS AND GROUND BEARING PRESSURES

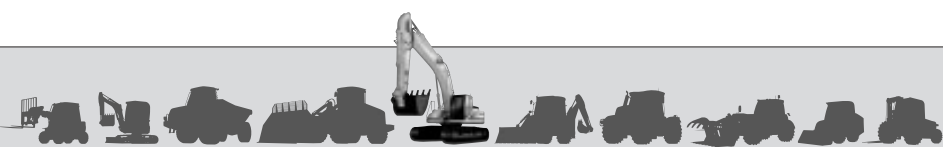
Figures include 1.14cu.m. bucket (760kg (1675lbs), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

	JS220 NC			
	Machine weight		Ground bearing pressure	
	kg	lbs	kg/cm	lb/sq ft
500mm shoes	21144	46615	0.51	7.25
600mm shoes	21396	47170	0.43	6.11
700mm shoes	21648	47725	0.37	5.26
800mm shoes	–	–	–	–
900mm shoes	–	–	–	–
	JS220 SC			
	kg	lbs	kg/cm	lb/sq ft
	500mm shoes	21227	46800	0.51
600mm shoes	21479	47350	0.43	6.11
700mm shoes	21731	47900	0.37	5.26
800mm shoes	–	–	–	–
900mm shoes	–	–	–	–
	JS220 LC			
	kg	lbs	kg/cm	lb/sq ft
	500mm shoes	–	–	–
600mm shoes	21904	48290	0.41	5.83
700mm shoes	22172	48880	0.36	5.12
800mm shoes	22440	49470	0.31	4.41
900mm shoes	22490	49580	0.28	3.98

## 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; Radio & cassette player; Interior light; Coat hook; Cigarette lighter; Ashtray; Operator's storage box; 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); Air conditioning or climate control; Cab mounted & rear work lights; Rotating beacon; Rain guard; Biodegradeable oil; Air suspension seat with heated pad and lumbar support adjustment; lower screen wiper.

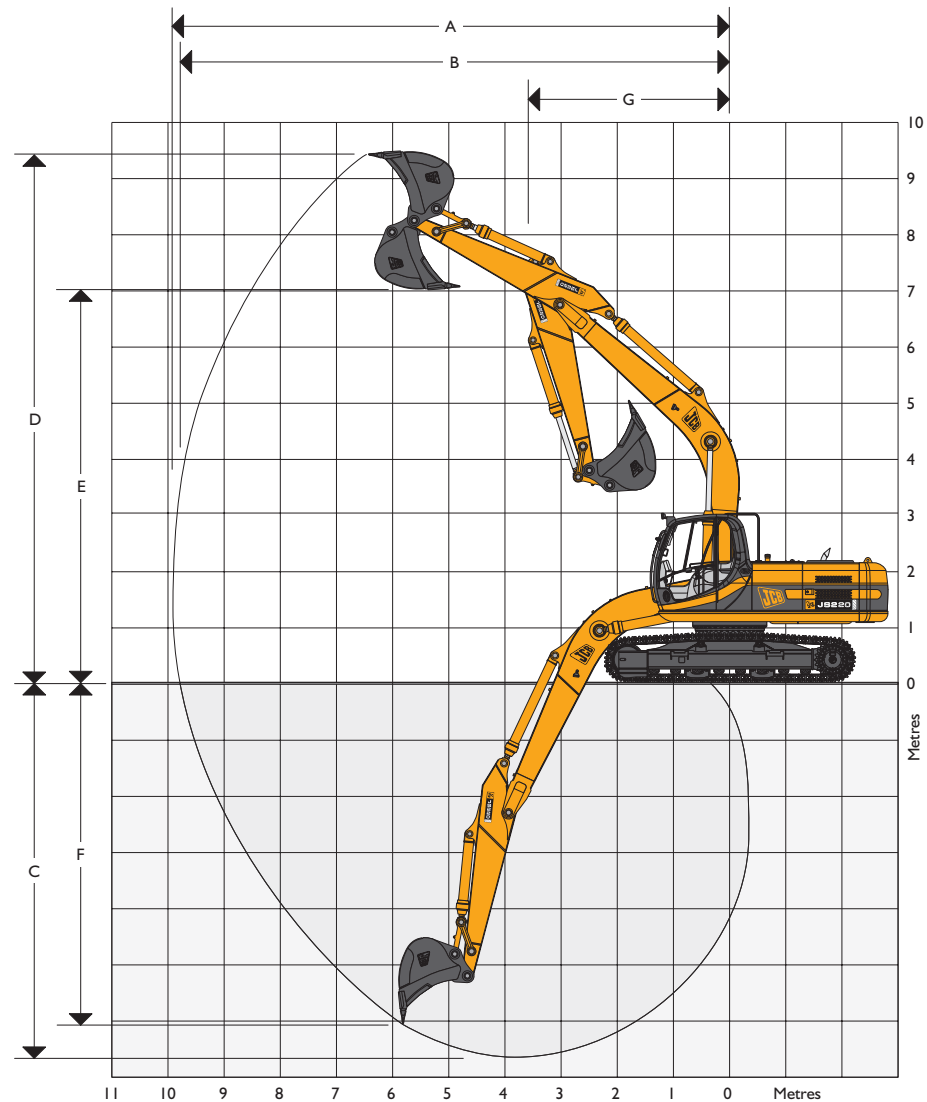


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## WORKING RANGE

Boom length 5.70m			1.91m	2.40m	3.00m
Dipper length					
A	Maximum digging reach	m (ft-in)	8.89 (29-2)	9.34 (30-8)	9.87 (32-5)
B	Maximum digging reach (on ground)	m (ft-in)	8.70 (28-7)	9.16 (30-1)	9.70 (31-10)
C	Maximum digging depth	m (ft-in)	5.53 (18-2)	6.02 (19-9)	6.60 (21-8)
D	Maximum digging height	m (ft-in)	8.95 (29-4)	9.20 (30-2)	9.40 (30-10)
E	Maximum dumping height	m (ft-in)	6.31 (20-8)	6.53 (21-5)	6.75 (22-2)
F	Maximum vertical wall cut depth	m (ft-in)	4.90 (16-1)	5.47 (17-11)	6.07 (19-11)
G	Minimum swing radius	m (ft-in)	3.76 (12-4)	3.71 (12-2)	3.60 (11-10)
	Bucket rotation	deg.	183°	183°	183°
	Dipper tearout (ISO 6015)	kgf (lbf)	13450 (29650)	11560 (25485)	9590 (21142)
	Dipper tearout with boost (ISO 6015)	kgf (lbf)	14610 (32210)	12550 (27670)	10410 (22950)
	Bucket tearout (ISO 6015)	kgf (lbf)	14550 (32080)	14550 (32080)	14550 (32080)
	Bucket tearout with boost (ISO 6015)	kgf (lbf)	15800 (34835)	15800 (34835)	15800 (34835)















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







## LIFT CAPACITIES – Dipper length: 1.9m, Monoboom 5.7m, Trackshoes: 500mm, No bucket.



**JS220 NC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6.0m (19.8ft)					6380*	4750			5720*	4620	6105
4.5m (14.9ft)			8020*	7030	6720*	4650			5700*	3770	6907
3.0m (9.10ft)			9870*	6550	7250	4470			5410	3380	7318
1.5m (4.11ft)			10850	6210	7060	4290			5230	3260	7406
0m			10720	6110	6950	4200			5420	3350	7182
- 1.5m (- 4.11ft)	13010*	11410	10750	6130	6940	4190			6080	3720	6614
- 3.0m (- 9.10ft)	12760*	11580	9650*	6270					7600*	4710	5596
- 4.5m (- 14.9ft)											

## LIFT CAPACITIES – Dipper length: 2.4m, Monoboom 5.7m, Trackshoes: 500mm, No bucket.

**JS220 NC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5230*	5230*	5547
6.0m (19.8ft)					5810*	4840			4790*	3990	6767
4.5m (14.9ft)			7330*	7150	6290*	4710			4690	3360	7497
3.0m (9.10ft)			9230*	6680	7110*	4510	5240	3290	4800*	3060	7878
1.5m (4.11ft)			10820*	6290	7080	4320	5140	3200	4730	2950	7959
0m			10740	6120	6940	4190	5080	3150	4860	3020	7751
- 1.5m (- 4.11ft)	10850*	10850*	10710	6090	6900	4160			5340	3300	7229
- 3.0m (- 9.10ft)	14090*	11440	10270*	6180	6980	4230			6250	3980	6313
- 4.5m (- 14.9ft)			7500*	6440					6850	5960	4777

-  Lift capacity front and rear.
-  Lift capacity full circle.

- 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.













# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC



LIFT CAPACITIES – Dipper length: 3.0m, Monoboom 5.7m, Trackshoes: 500mm, No bucket.

**JS220 NC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4350*	4350*			3440*	3440*	6285
6.0m (19.8ft)					5170*	4930			3210*	3210*	7382
4.5m (14.9ft)					5740*	4780	5190*	3410	3160*	3040	8056
3.0m (9.10ft)	11580*	11580*	8380*	6820	6630*	4560	5270	3310	3230*	2780	8411
1.5m (4.11ft)			10200*	6370	7120	4340	5150	3200	3430*	2690	8488
0m	6400*	6400*	10750	6120	6940	4180	5060	3120	3800*	2730	8293
- 1.5m (- 4.11ft)	10510*	10510*	10650	6040	6860	4110	5030	3090	4470*	2940	7807
- 3.0m (- 9.10ft)	15320*	11230	10700	6080	6880	4130			5600	3440	6969
- 4.5m (- 14.9ft)	12460*	11530	8920*	6250					6760*	4670	5619

 Lift capacity front and rear.

 Lift capacity full circle.

- 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.
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











# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC













## LIFT CAPACITIES – Dipper length: 1.9m, Monoboom 5.7m, Trackshoes: 600mm, No bucket.



**JS220 SC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6.0m (19.8ft)					6380*	5250			5720*	5100	6105
4.5m (14.9ft)			8020*	7820	6720*	5140			5700*	4170	6907
3.0m (9.10ft)			9870*	7320	7340	4950			5480	3750	7318
1.5m (4.11ft)			10990	6980	7150	4780			5300	3610	7406
0m			10860	6870	7040	4680			5490	3720	7182
- 1.5m (- 4.11ft)	13010*	13010*	10890	6890	7040	4680			6160	4140	6614
- 3.0m (- 9.10ft)	12760*	12760*	9650*	7030					7600*	5250	5596
- 4.5m (- 14.9ft)											

## LIFT CAPACITIES – Dipper length: 2.4m, Monoboom 5.7m, Trackshoes: 600mm, No bucket.

**JS220 SC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5230*	5230*	5547
6.0m (19.8ft)					5810*	5330			4790*	4400	6767
4.5m (14.9ft)			7330*	7330*	6290*	5200			4690*	3710	7497
3.0m (9.10ft)			9230*	7460	7110*	4990	5310	3640	4800*	3380	7878
1.5m (4.11ft)			10820*	7060	7180	4800	5210	3550	4790	3270	7959
0m			10880	6880	7040	4670	5150	3490	4930	3350	7751
- 1.5m (- 4.11ft)	10850*	10850*	10850	6860	7000	4640			5240	3670	7229
- 3.0m (- 9.10ft)	14090*	13140	10270*	6950	7080	4710			6610	4430	6313
- 4.5m (- 14.9ft)			7500*	7210					6850*	6660	4777

-  Lift capacity front and rear.
-  Lift capacity full circle.

- 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.















# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC



LIFT CAPACITIES – Dipper length: 3.0m, Monoboom 5.7m, Trackshoes: 600mm, No bucket.

**JS220 SC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4350*	4350*			3440*	3440*	6285
6.0m (19.8ft)					5170*	5170*			3210*	3210*	7382
4.5m (14.9ft)					5740*	5270	5190*	3760	3160*	3160*	8056
3.0m (9.10ft)	11580*	11580*	8380*	7610	6630*	5050	5340	3670	3230*	3080	8411
1.5m (4.11ft)			10200*	7140	7210	4830	5220	3560	3430*	2990	8488
0m	6400*	6400*	10890	6880	7030	4660	5130	3470	3800*	3040	8293
- 1.5m (- 4.11ft)	10510*	10510*	10790	6800	6950	4590	5090	3440	4470*	3270	7807
- 3.0m (- 9.10ft)	15320*	12920	10770*	6840	6980	4610			5680	3820	6969
- 4.5m (- 14.9ft)	12460*	12460*	8920*	7020					6760*	5210	5619

 Lift capacity front and rear.

 Lift capacity full circle.

- 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.













# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC













## LIFT CAPACITIES – Dipper length: 1.9m, Monoboom 5.7m, Trackshoes: 700mm, No bucket.



**JS220 LC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6.0m (19.8ft)					6380*	5800			5720*	5640	6105
4.5m (14.9ft)			8020*	8020*	6720*	5700			5700*	4610	6907
3.0m (9.10ft)			9870*	8200	7470*	5500			5980*	4160	7318
1.5m (4.11ft)			11210*	7840	8160	5320			6010	4010	7406
0m			11510*	7730	8050	5220			6230	4140	7182
- 1.5m (- 4.11ft)	13010*	13010*	11040*	7750	8040	5220			7010	4610	6614
- 3.0m (- 9.10ft)	12760*	12760*	9650*	7900					7600*	5850	5596
- 4.5m (- 14.9ft)											

## LIFT CAPACITIES – Dipper length: 2.4m, Monoboom 5.7m, Trackshoes: 700mm, No bucket.

**JS220 LC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5230*	5230*	5547
6.0m (19.8ft)					5810*	5810*			4790*	4790*	6767
4.5m (14.9ft)			7330*	7330*	6290*	5750			4690*	4110	7497
3.0m (9.10ft)			9230*	8330	7110*	5540	6010	4040	4800*	3750	7878
1.5m (4.11ft)			10820*	7930	7930*	5340	5910	3950	5120*	3640	7959
0m			11480*	7740	8040	5220	5840	3890	5580	3730	7751
- 1.5m (- 4.11ft)	10850*	10850*	11300*	7720	8000	5180			6150	4080	7229
- 3.0m (- 9.10ft)	14090*	14090*	10270*	7810	7560*	5250			6980*	4930	6313
- 4.5m (- 14.9ft)			7500*	7500*					6850*	6850*	4777

-  Lift capacity front and rear.
-  Lift capacity full circle.

- 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.
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









# JCB TRACKED EXCAVATOR | JS 220 NC/SC/LC



LIFT CAPACITIES – Dipper length: 3.0m, Monoboom 5.7m, Trackshoes: 700mm, No bucket.

**JS220 LC**

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	 kg	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4350*	4350*			3440*	3440*	6285
6.0m (19.8ft)					5170*	5170*			3210*	3210*	7382
4.5m (14.9ft)					5740*	5740*	5190*	4160	3160*	3160*	8056
3.0m (9.10ft)	11580*	11580*	8380*	8380*	6630*	5600	5810*	4060	3230*	3230*	8411
1.5m (4.11ft)			10200*	8010	7560*	5370	5920	3950	3430*	3320	8488
0m	6400*	6400*	11240*	7740	8040	5210	5820	3860	3800*	3380	8293
- 1.5m (- 4.11ft)	10510*	10510*	11410*	7660	7960	5130	5790	3830	4470*	3650	7807
- 3.0m (- 9.10ft)	15320*	14880	10770*	7700	7980	5160			5790*	4260	6969
- 4.5m (- 14.9ft)	12460*	12460*	8920*	7890					6760*	5810	5619

 Lift capacity front and rear.

 Lift capacity full circle.

- Notes:**
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## A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned manufacturer 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 Europe.

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 a global sales and service network of over 400 distributors and agents, the company exports over 70% of its production to all five continents.

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

