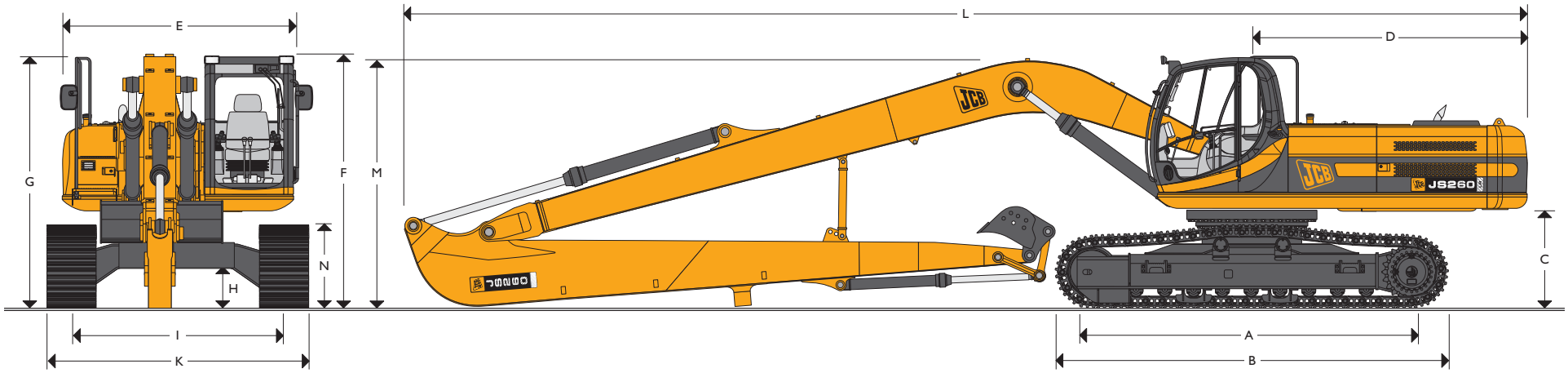
MAX. OPERATING WEIGHT: 28495kg (62741lb) NETT ENGINE POWER: 147kW (197hp)



STATIC DIMENSIONS

Dimensions in millimetres (ft-in)		LR
A	Track length on ground	3840 (12-7)
B	Undercarriage overall length	4640 (15-3)
C	Counterweight clearance	1125 (3-8)
D	Tail swing radius	3000 (9-10)
E	Overall width of superstructure	2500 (8-2)
F	Height over cab	2980 (9-10)
G	Height over grab rail	3059 (10-0)
H	Ground clearance	486 (1-7)

Dimensions in millimetres (ft-in)		LR
I	Track gauge	2590 (8-6)
K	Width o/tracks (700mm shoes)	3290 (10-9)
K	Width o/tracks (800mm shoes)	3390 (11-1)
K	Width o/tracks (900mm shoes)	3490 (11-5)
L	Transport length	14510 (47-7)
M	Transport height	3200 (10-6)
N	Track height	940 (3-1)

ENGINE

Model	Isuzu 4HK1X European Tier III emissions compliant.
Type	Water cooled, 4-stroke, 4-cylinder in-line, direct injection, turbocharged diesel.
Nett power (ISO 3046-INF)	147kW (197hp) at 2150rpm.
Piston Displacement	5.193 litres (317 cu.in.).
Air Filtration	Dry element with secondary safety element and in-cab warning indicator.
Cooling	Water cooled via large capacity radiator.
Starting system	24 volt.
Batteries	2 x 12 volt Heavy duty.
Alternator	24 volt 40 amp.
Refuelling pump	Electric type.

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	10.6 rpm.
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing lock	Multi position switchable brake.

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 type	Sealed and lubricated.
Track shoe options	600mm (24in), 700mm (28in), 800mm (31.5in), 900mm (35in).
Upper & lower rollers	Heat treated, sealed and lubricated.
Track adjustment	Grease cylinder type.
Track idler	Sealed and lubricated, with spring cushioned recoil.
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	51 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 226 L/min (2 x 49.7 UK GPM).
Servo pump	Gear type.
Maximum flow	21.5 L/min (4.7 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	343 bar (4975lbf/sq.in)
With power boost	373 bar (5410lbf/sq.in)
Swing circuit	289 bar (4192lbf/sq.in)
Travel circuit	343 bar (4975lbf/sq.in)
Pilot control	40 bar (569lbf/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, 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

Worldwide 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

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 – 5.6 km/h (3.4 mph). Mid – 3.3 km/h (2.0 mph). Low – 2.3 km/h (1.4 mph).
Tractive effort	197.1kN (20098kgf, 44309lbf).

EXCAVATOR END

Long reach boom and dipper is standard on the JS260 LR. this is designed for waterways maintenance applications rather than material extraction applications. Machine can be ordered with a loose standard monoboom and 2.4m or 3.0m dipper to increase flexibility of use.

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. 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 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 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 seperate shut-down button.
Horn	Operated via servo lever mounted button.

SERVICE CAPACITIES

Fuel tank	litres (UK gal)	343 (75.5)
Engine coolant	litres (UK gal)	26.8 (5.9)
Engine oil	litres (UK gal)	21.5 (4.7)
Swing reduction gear	litres (UK gal)	6.0 (1.3)
Track reduction gear (each side)	litres (UK gal)	4.7 (1.0)
Hydraulic system	litres (UK gal)	241 (53)
Hydraulic tank	litres (UK gal)	120 (26.4)

WEIGHTS AND GROUND BEARING PRESSURES

Machine equipped with 18m Long Reach Boom and Dipper, Counterweight, bucket, operator and full fuel tank.

Shoe Width	Operating Weight	Bearing Pressure
600mm (24in.)	27996kg (61721lb)	0.61kg/sq. cm. (8.81lb/sq. in.)
700mm (28in.)	28162kg (62086lb)	0.52kg/sq. cm. (7.55lb/sq. in.)
800mm (32in.)	28329kg (62454lb)	0.46kg/sq. cm. (6.61lb/sq. in.)
900mm (36in.)	28495kg (62741lb)	0.41kg/sq. cm. (5.87lb/sq. in.)

ATTACHMENTS

Bucket type	Width mm (in)	Capacity
General purpose	600 (24)	0.28cu.m (0.36cu.yd)
General purpose	750 (30)	0.38cu.m (0.50cu.yd)
General purpose	900 (35)	0.49cu.m (0.64cu.yd)
Ditch/silt cleaning	1800 (71)	0.50cu.m (0.65cu.yd)
Ditch/silt cleaning	2000 (79)	0.55cu.m (0.72cu.yd)
Weed mowing	2500 (98)	–
Weed mowing	3000 (118)	–

STANDARD EQUIPMENT

Engine fan guard	Std
Cold start pre-heat	Std
Auto engine warm up	Std
Double element air cleaner	Std
Electric refuelling pump	Std
Heavy duty alternator	Std
Electrics isolator	Std
Heavy duty batteries	Std
Cab & engine soundproofing	Std
Cab heater & screen demister	Std
Tinted glass	Std
Interior light	Std
Coat hook	Std
Cigarette lighter	Std
Ashtray	Std
Operator's storage shelf	Std
Removable floormat	Std
Windscreen wash/wipe	Std
Plug-in power socket	Std
Automatic power boost	Std
Auto-idle	Std
One-touch engine speed control	Std
Hydraulic cushion control	Std
Boom/swing priority switch	Std
Plexus hydraulic oil filtration	Std

STANDARD EQUIPMENT (Continued)

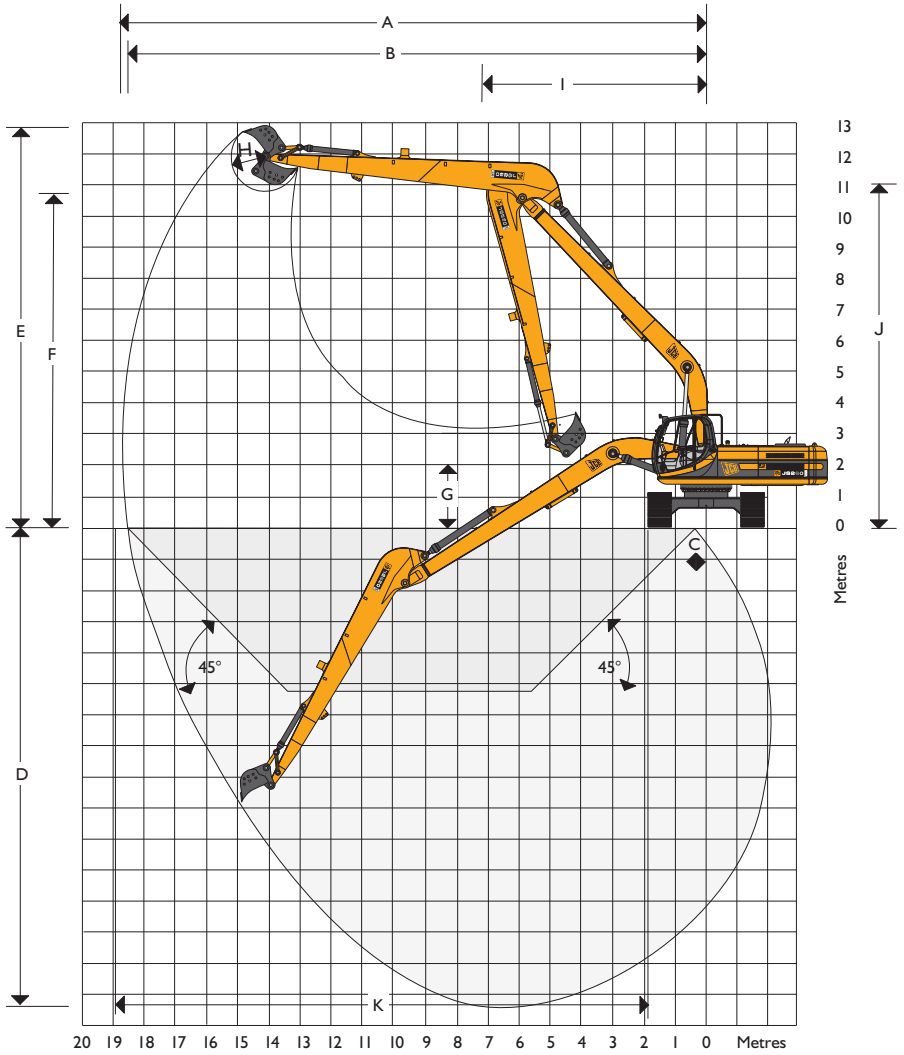
HSP pressure test points	Std
Auxiliary pipework mounting brackets	Std
Work lights – boom & mainframe mounted	Std
Undercarriage belly guarding	Std
Upper structure under covers	Std
Swing system cover	Std
Twin track guides	Std
External mirrors	Std
Handrail & non slip walk ways	Std
Quick connect engine oil drain pipe	Std
Front screen blind	Std
Quick connect fuel tank drain pipe	Std
Hinged engine under cover	Std
Remote filter system	Std
3 hose check valves	Std

OPTIONAL EQUIPMENT

Hose burst check valves & overload warning system	Opt
Tipping link mounted lift points	Opt
General purpose buckets	Opt
Ditch/grading buckets	Opt
Quickhitch buckets	Opt
Low flow pipework	Opt
Climate control	Opt
Cab mounted & rear work lights	Opt
Rotating beacon	Opt
Rain guard	Opt
Biodegradeable oil	Opt
Air suspension seat with heated pad and lumbar support adjustment	Opt
Lower screen wiper	Opt
Radio	Opt
High and low temperature hydraulic oil	Opt

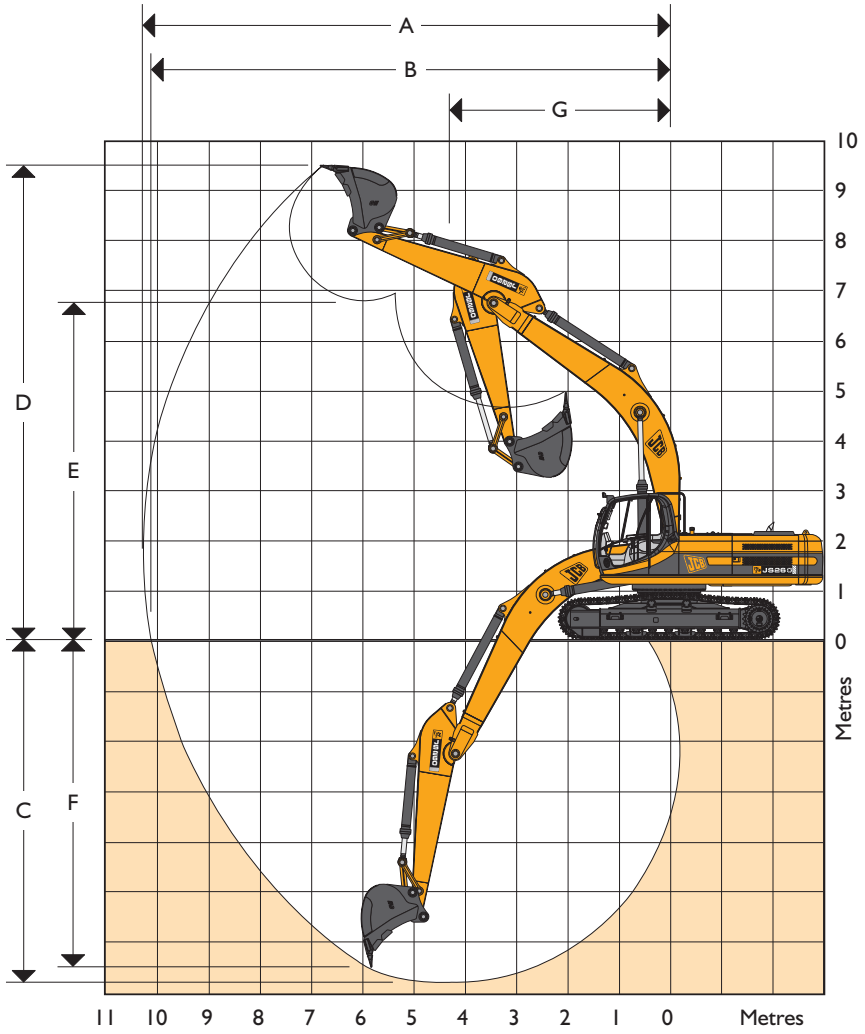
WORKING RANGE

Boom length: 10.27m (33ft 8in)			
Dipper length			**7.95m (26ft 1in)**
A	Maximum reach	mm (ft-in)	18766 (61-7)
B	Maximum reach (on ground)	mm (ft-in)	18674 (61-7)
C	Minimum reach (on ground)	mm (ft-in)	91 (0-4)
D	Maximum depth	mm (ft-in)	15413 (50-7)
E	Maximum height	mm (ft-in)	12882 (42-3)
F	Maximum dumping height	mm (ft-in)	10783 (35-5)
G	Minimum dumping height	mm (ft-in)	1956 (6-5)
H	Bucket struck radius	mm (ft-in)	1200 (3-11)
I	Minimum swing radius	mm (ft-in)	7366 (24-2)
J	Minimum swing radius height	mm (ft-in)	11030 (36-2)
K	Maximum ground level span	mm (ft-in)	17071 (56-0)
	Bucket rotation		182°
	Dipper tearout	kgf (lbf)	2384 (5244)
	Bucket tearout	kgf (lbf)	8580 (18876)



STANDARD EXCAVATOR END WORKING RANGE

Dimensions in m (ft-in)			5.85m (19ft 2in) Monoboom			
Dipper length		**m**	**2.00m (6ft 7in)**	**2.44m (8ft 0in)**	**3.09m (10ft 2in)**	**3.53m (11ft 7in)**
A	Maximum digging reach	m (ft-in)	9.19 (30-2)	9.64 (31-7)	10.27 (33-8)	10.69 (35-1)
B	Maximum digging reach (on ground)	m (ft-in)	8.99 (29-6)	9.45 (31-0)	10.01 (32-10)	10.52 (34-6)
C	Maximum digging depth	m (ft-in)	5.72 (18-9)	6.14 (20-2)	6.79 (22-3)	7.23 (23-8)
D	Maximum digging height	m (ft-in)	8.84 (29-0)	9.23 (30-3)	9.62 (31-7)	9.85 (32-4)
E	Maximum dumping height	m (ft-in)	6.15 (20-2)	6.47 (21-3)	6.83 (22-5)	7.05 (23-2)
F	Maximum vertical wall cut depth	m (ft-in)	4.51 (14-9)	5.35 (17-7)	6.21 (20-4)	6.67 (21-10)
G	Minimum swing radius	m (ft-in)	4.02 (13-2)	3.99 (13-1)	3.87 (12-8)	3.88 (12-9)
	Bucket rotation	deg.	180°	180°	180°	180°
	Max. Dipper tearout (ISO 6015)	kgf (lbf)	18272 (40285)	15484 (34136)	12248 (27002)	11198 (24685)
	Max. Bucket tearout (ISO 6015)	kgf (lbf)	19574 (43154)	19574 (43154)	19574 (43154)	19574 (43154)



LIFT CAPACITIES – Dipper length: 7.95m, Boom: 10.27m, Trackshoes: 700mm, No bucket. **JS260 LR**

	Reach from swing centre																										
Load Point	0m (0ft)		1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		9m (29ft 6in)		10.5m (34ft 5in)		12m (39ft 4in)		13.5m (44ft 3in)		15m (49ft 2in)		16.5m (52ft 6in)		Max. Reach		
Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
12.0m (39.4ft)																									880*	880*	14319
10.5m (34.5ft)																					1080*	1080*			850*	850*	15279
9m (29.6ft)																					1580*	1570			840*	840*	16041
7.5m (24.7ft)																					1730*	1530	960*	960*	830*	830*	16632
6m (19.8ft)																			1840*	1840*	1810*	1470	1370*	1130	840*	840*	17070
4.5m (14.9ft)																			1980*	1770	1910*	1390	1650*	1090	870*	870*	17366
3m (9.10ft)															2540*	2540*	2310*	2070	2140*	1650	2030*	1310	1880*	1030	900*	870	17529
1.5m (4.11ft)					2070*	2070*	6840*	6840*	5280*	5280*	4040*	3950	3320*	3040	2860*	2390	2540*	1900	2320*	1530	2160*	1220	1890	980	940*	820	17562
0m					2190*	2190*	4680*	4680*	6180*	4620	4650*	3490	3750*	2730	3170*	2170	2770*	1750	2490*	1410	2170	1140	1840	920	1000*	800	17465
– 1.5m (– 4.11ft)			2140*	2140*	2770*	2770*	4520*	4520*	6840*	4170	5150*	3150	4120*	2470	3450*	1980	2980	1610	2490	1310	2100	1070	1790	870	1090*	790	17236
– 3m (– 9.10ft)	2890*	2890*	2860*	2860*	3470*	3470*	4920*	4920*	7250*	3920	5510*	2930	4300	2290	3470	1840	2860	1500	2400	1230	2040	1020	1750	840	1190*	800	16870
– 4.5m (– 14.9ft)	3450*	3450*	3600*	3600*	4240*	4240*	5590*	5590*	7470*	3800	5410	2800	4180	2180	3360	1750	2780	1430	2340	1180	2000	980			1340*	840	16358
– 6m (– 19.8ft)	4090*	4090*	4370*	4370*	5080*	5080*	6430*	5850	7510	3780	5350	2750	4110	2120	3310	1700	2740	1390	2320	1150	2000	970			1530*	910	15685
– 7.5m (– 24.7ft)	4780*	4780*	5180*	5180*	5990*	5990*	7430*	5990	7430*	3840	5360	2760	4110	2120	3300	1690	2740	1380	2330	1160					1820*	1020	14828
– 9m (– 29.6ft)	5520*	5520*	6050*	6050*	7000*	7000*	8630*	6200	7170*	3960	5440	2830	4160	2160	3340	1730	2780	1420	2380	1210					2260*	1190	13755
– 10.5m (– 34.5ft)			6990*	6990*	8140*	8140*	8760*	6490	6700*	4140	5370*	2960	4270	2260	3440	1820	2880	1520							2770	1460	12406
– 12m (– 39.4ft)			8000*	8000*	9450*	9450*	7680*	6890	5950*	4410	4790*	3160	3920*	2440	3190*	1990									3100*	1950	10679
– 13.5m (– 44.3ft)							6060*	6060*	4750*	4750*	3780*	3480													3310*	3020	8334

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.

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.

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