



JCB WHEELED EXCAVATOR | JS160W

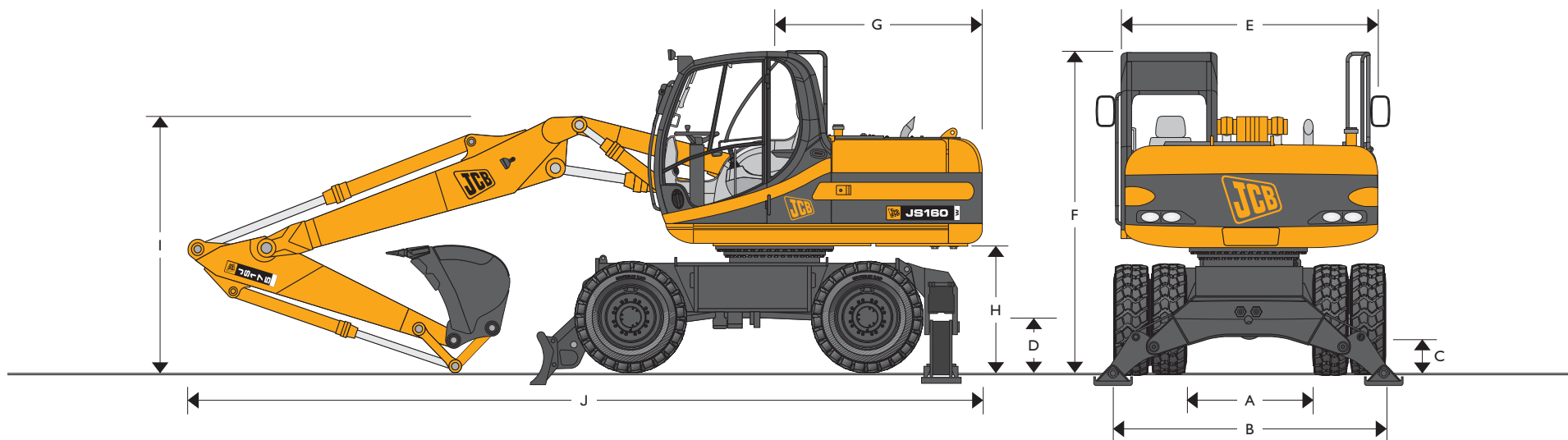


MAX. OPERATING WEIGHT

17820 kg (39286 lb)

NETT ENGINE POWER

92 kW (123 hp)



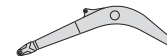
STATIC DIMENSIONS

Dimensions in millimetres (ft-in)

A	Internal width between dual wheels	1330 (4-4)
B	External width between dual wheels	2490 (8-2)
C	Ground clearance	350 (1-1)
D	Height to axle centre line dual wheels	498 (1-7)
	Height to axle centre line single wheels	519 (1-8)
E	Overall width (handrail removed)	2480 (8-2)
F	Height over cab	3195 (10-5)
G	Tail length	2190 (7-4)
H	Clearance under counterweight	1270 (4-2)

Monoboom

Dipper length			2.25m (7ft 5in)	2.70m (8ft 10in)	3.05m (10ft 0in)
I	Transport boom height	mm (ft-in)	2765 (9-1)	2765 (9-1)	3240 (10-7)
J	Transport length	mm (ft-in)	8145 (26-8)	8135 (26-7)	8306 (27-3)



Triple articulated boom

Dipper length			2.25m (7ft 5in)	2.70m (8ft 10in)	3.05m (10ft 0in)
I	Transport boom height	mm (ft-in)	2806 (9-2)	2874 (9-5)	3136 (10-3)
J	Transport length	mm (ft-in)	8123 (26-7)	8118 (26-7)	8083 (26-6)



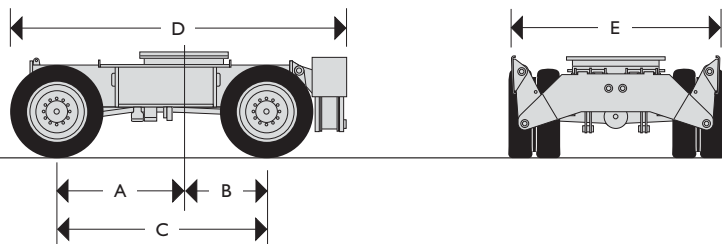
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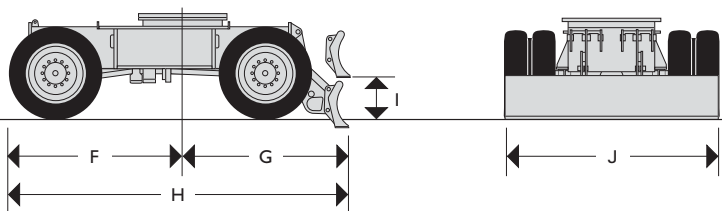


CHASSIS OPTIONS



Dimensions in millimetres (ft-in)

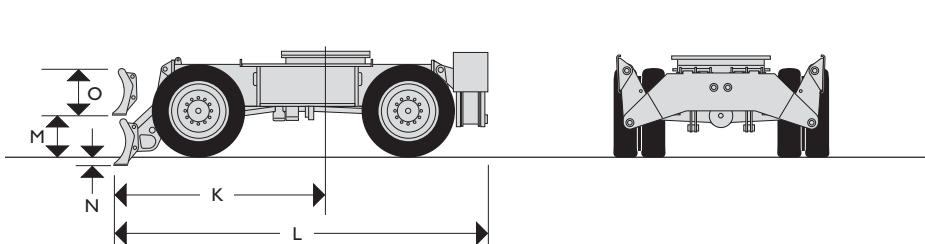
A	Centre of slew ring to front axle	1500 (4-11)
B	Centre of slew ring to rear axle	1000 (3-3)
C	Wheelbase	2500 (8-2)
D	Length including rear stabilizers	3950 (12-11)
E	Width over stabilizers (raised)	2480 (8-1)



Dimensions in millimetres (ft-in)

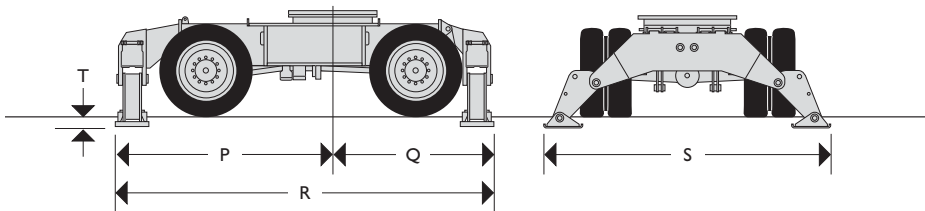
F	Centre of slew ring to face of front tyre	1990 (6-6)
G	Centre of slew ring to rear dozer blade (lowered)	2090 (6-10)
H	Length including rear dozer blade (raised)	4050 (13-3)
I	Ground level to bottom of rear dozer blade (raised)	450 (1-6)
J	Dozer blade width	2480 (8-1)

CHASSIS OPTIONS



Dimensions in millimetres (ft-in)

K	Centre of slew ring to front dozer blade (lowered)	2530 (8-3)
L	Length including stabilizers and dozer blade (raised)	4460 (14-7)
M	Ground level to bottom of front dozer blade (raised)	450 (1-6)
N	Dozer blade dig depth	130 (0-5)
O	Dozer blade height	500 (1-8)



Dimensions in millimetres (ft-in)

P	Centre of slew ring to front stabilizers	2520 (8-3)
Q	Centre of slew ring to rear stabilizers	1960 (6-5)
R	Length including front and rear stabilizers	4480 (14-8)
S	Width over stabilizers (lowered)	3550 (11-8)
T	Stabilizer lift height	130 (0-5)



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ENGINE

Model	Isuzu 4JJ1X European Tier III emissions compliant.
Type	Water cooled, 4-stroke, 4-cylinder in-line, direct injection, turbocharged diesel.
Nett power (ISO 3046-INF)	92kW (123hp) at 2200rpm.
Piston Displacement	2.99 litres.
Injection	Electrical governor.
Air Filtration	Dry element with secondary safety element and in cab warning indicator.
Cooling	Large capacity radiator.
Starting system	24 volt – 4.0kW.
Batteries	2 x 12 volt Heavy Duty.
Alternator	24 volt 50 amp.
Refuelling pump	Electric type.

SWING SYSTEM

Drive train	Axial piston motor and planetary reduction final drive.
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake.
Swing speed	11.3RPM
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing lock	Multi position switchable brake and mechanical lock.

CHASSIS

Structure	High strength flanged 'u' section.
Chassis Options:	
Dozer Blade	Front or rear pin mount.
Stabilisers	Front or rear pin mount, independently operable – plus combinations.
Grab Stowage	Heavy duty, pin mounted stowage bar.
Transmission	Hydrostatic drive via piston motor and powershift transmission.
Travel speed	Low ratio 8.1kph (5mph) High ratio 25kph (15.5mph) Creep speed 3.8kph (2.4mph)
Axles	Four wheel drive. Front steering axle oscillates for rough ground mobility.
Axle load capacity	32 tonnes
Axle oscillation	+/- 8.5 degrees
Ground clearance	350mm (1ft 2in)
Steering	Fully hydraulic system.
Turning radius	
To outside of tyres	5.45m (17ft 10in)
To outer edge of front mounted dozer blade	6.06m (19ft 10in)
Brakes	All hydraulic, dual circuit brake system.
Parking Brake	Built into the transmission.

EXCAVATOR END

Monoboom available along with a choice of dipper lengths 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. 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 5.15m (16ft 11in) 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.



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MAIN HYDRAULIC SYSTEM

System	Load-sensed hydraulic system with twin variable flow piston pumps providing flow-on-demand for maximum efficiency.
Main pumps	2 variable displacement axial piston type
Maximum flow	2 x 138 l/min (31 UK gpm)
Main circuit pressure	314 bar (4555 lb/in ²)
With power boost	343 bar (4975 lb/in ²)
Servo pump	Gear type
Maximum flow	22 l/min (5 UK gpm)
Servo pressure	40 bar (580 lb/in ²)
Optional Circuits:	
Hammer	Includes automatic engine speed setting and return filter.
Maximum flow	138 l/min (30 UK gpm)
Maximum pressure	314 (343) bar (4555/4975 lb/in ²) (pre-set to 180 bar (2610 lb/in ²))
Grab operation	
Maximum flow	138 l/min (30 UK gpm)
Maximum pressure for grab ram operation	314 (343) bar (4555/4975 lb/in ²)
Low Flow Pipework	Two options available, one with 20L/min (4 UK gpm) flow and a second with an adjustable flow of 27-45L/min (6-10 UK gpm).
Hydraulic Cylinders	With hardened, chromed piston rods and end cushioning on boom, dipper and bucket crowd cylinder.
Filtration	
In tank	150 micron, suction strainer.
Main return line	10 micron, fibreform element.
Pilot line	10 micron, paper element.
Nephron by pass line	1.5 micron paper element.
Hydraulic hammer return	10 micron, reinforced microform element.

TYRES

Twins	10.00 x 20 tyres (16PR) with spacer ring.
Singles	18R x 19.5 tyres (Radials).

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 incorporating chilled cool box available as option. 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.



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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.

STANDARD EXCAVATING BUCKETS

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

Max Width mm (in.)	Capacity (SAE heaped) cu.m (cu.yd)	Weight kg (lb)
600 (24)	0.35 (0.46)	426 (937)
750 (30)	0.49 (0.64)	480 (1056)
900 (36)	0.62 (0.81)	525 (1155)
1000 (40)	0.72 (0.94)	564 (1240)
1100 (44)	–	–
1200 (48)	0.90 (1.18)	633 (1392)

SERVICE CAPACITIES

	litres	UK gal
Fuel tank	253	53
Engine coolant	21	3.6
Engine oil	15	3.2
Swing reduction gear	2.2	0.5
Hydraulic system	124	27.3
Hydraulic tank	73	16.0
Transmission	2.5	0.7
Axle differentials (each)	Rear 12, Front 14	Rear 2.6, Front 3
Axle hubs (each)	2.0	0.5



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STANDARD EQUIPMENT

Engine fan guard; Cold start pre-heat; Auto engine warm up; Double element air cleaner; Heavy duty alternator; Electrics isolator; Heavy duty batteries; Cab & engine soundproofing; Cab heater & screen demister; Tinted glass; 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; Plexus hydraulic oil filtration; HSP pressure test points; Auxiliary pipework mounting brackets; Work lights – boom & mainframe mounted; Upper structure under covers; Swing system cover; 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; Biodegradable oil; Air suspension seat with heated pad and lumbar support adjustment; Electric refuelling pump; Lower screen wiper; Radio cassette player; Cruise control.

OPERATING WEIGHTS

Chassis					
	15560kg (34304lb)	16000kg (35274lb)	16440kg (36244lb)	16980kg (37434lb)	17320kg (38184lb)
	16160kg (35627lb)	16600kg (36597lb)	17040kg (37567lb)	17580kg (38757lb)	17820kg (39286lb)

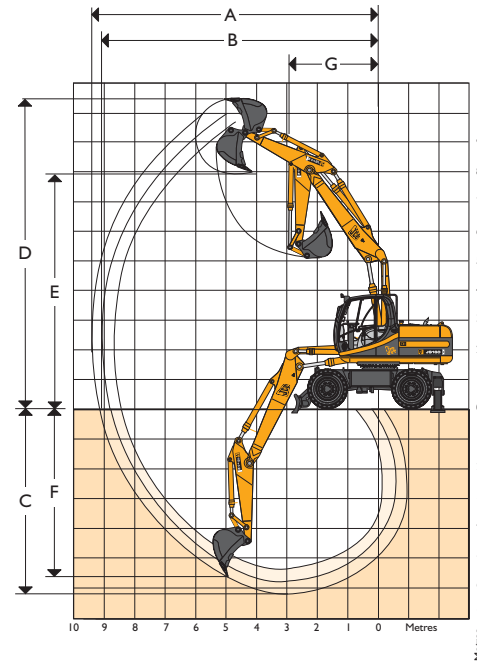
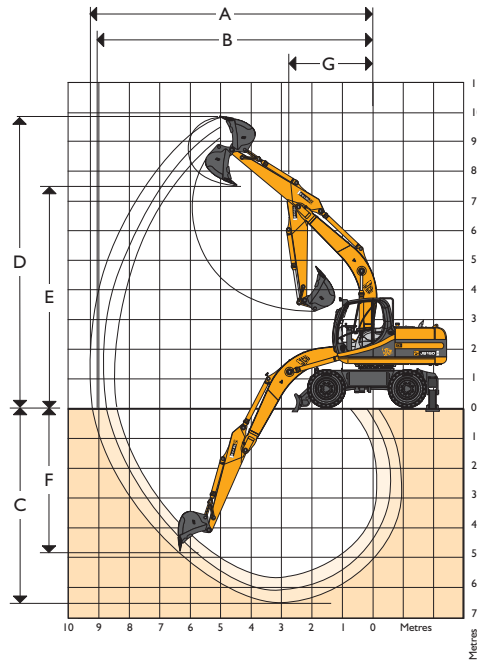
Machine equipped with excavating bucket and dual wheels. For single wheels subtract 400kg (880lb).



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WORKING RANGES



WORKING RANGES

Boom



		Standard Boom			Long-Reach Boom		
		2.25m (7ft 5in)	2.70m (8ft 10in)	3.05m (10ft 0in)	2.25m (7ft 5in)	2.70m (8ft 10in)	3.05m (10ft 0in)
A	Max digging reach	mm (ft-in)	8592 (28-2)	8974 (29-5)	9352 (30-8)	8600 (28-2)	9025 (29-7)
B	Max digging reach (on ground)	mm (ft-in)	8386 (27-6)	8776 (28-6)	9163 (30-1)	8400 (27-6)	8850 (29-1)
C	Max digging depth	mm (ft-in)	5682 (18-8)	6120 (20-1)	6451 (21-2)	5300 (17-4)	5750 (18-9)
D	Max digging height	mm (ft-in)	9102 (29-10)	9237 (30-4)	9688 (31-9)	9700 (31-8)	10000 (32-9)
E	Max loadover height	mm (ft-in)	6636 (21-9)	6805 (22-4)	7174 (23-6)	7000 (23-0)	7325 (24-0)
F	Max vertical wall cut depth	mm (ft-in)	3826 (12-7)	4178 (13-8)	4839 (15-11)	4450 (14-7)	4900 (16-1)
G	Min swing radius	mm (ft-in)	3019 (9-11)	2961 (9-6)	2971 (9-9)	2725 (9-0)	2675 (8-8)
Bucket rotation			183°	183°	183°	183°	183°
Dipper tearout		kgf (lbf)	10128 (22330)	8440 (18608)	7470 (16470)	9035 (19920)	7530 (16600)
Dipper tearout with boost		kgf (lbf)	10990 (24230)	9160 (20196)	8100 (17860)	9600 (21165)	8100 (17860)
Bucket tearout		kgf (lbf)	10400 (22930)	10400 (22930)	10400 (22930)	10400 (22930)	10400 (22930)
Bucket tearout with boost		kgf (lbf)	10740 (23680)	10740 (23680)	10740 (23680)	10740 (23680)	10740 (23680)

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LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m Monoboom, Rear dozer, No bucket.

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Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4360*	4210					3830*	3830*	4620
6.0m (19.8ft)					5080*	4240	3530*	2610			3330*	2580	6031
4.5m (14.9ft)					5710*	4040	4890*	2570			3190*	2050	6838
3.0m (9.10ft)					6740*	3710	5250*	2440			3230*	1810	7248
1.5m (4.11ft)					7530*	3430	5580*	2310			3440*	1730	7330
0m			5580*	5580*	7600*	3280	5600*	2220			3880*	1780	7094
– 1.5m (– 4.11ft)	6310*	6310*	9440*	6050	6950*	3260	5060*	2210			4400*	2000	6508
– 3.0m (– 9.10ft)	8760*	8760*	7190*	6220	5360*	3350					4000*	2610	5454
– 4.5m (– 14.9ft)			2810*	2810*							2280*	2280*	3524

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m Monoboom, Rear dozer, No bucket.

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Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2880*	2880*	5238
6.0m (19.8ft)							4040*	2700			2580*	2320	6514
4.5m (14.9ft)					5290*	4140	4610*	2620			2500*	1890	7266
3.0m (9.10ft)			9710*	6900	6360*	3790	5040*	2470	3370*	1740	2540*	1680	7653
1.5m (4.11ft)			5120*	5120*	7290*	3450	5450*	2320	4080	1670	2690*	1600	7731
0m			6660*	5850	7590*	3250	5600*	2210	3080*	1630	3020*	1630	7508
– 1.5m (– 4.11ft)	6070*	6070*	10140*	5870	7170*	3190	5280*	2170			3630*	1800	6957
– 3.0m (– 9.10ft)	10160*	10160*	8130*	6020	5930*	3250					4020*	2250	5985
– 4.5m (– 14.9ft)			4570*	4570*							3120*	3120*	4307

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m Monoboom, Rear dozer, No bucket.

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Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2400*	2400*	5690
6.0m (19.8ft)							3840*	2700			2170*	2090	6881
4.5m (14.9ft)							4350*	2620	2500*	1770	2110*	1720	7596
3.0m (9.10ft)			8930*	7140	6020*	3830	4830*	2470	3790*	1710	2150*	1540	7967
1.5m (4.11ft)			6790*	6190	7070*	3470	5300*	2300	4050	1640	2280*	1470	8041
0m			6950*	5870	7540*	3240	5540*	2180	3990	1580	2540*	1490	7828
– 1.5m (– 4.11ft)	5610*	5610*	9860*	5840	7290*	3160	5350*	2120			3040*	1630	7301
– 3.0m (– 9.10ft)	9050*	9050*	8780*	5950	6260*	3190	4430*	2150			3920*	2000	6383
– 4.5m (– 14.9ft)	7560*	7560*	5630*	5630*	3860*	3370					3340*	3060	4849



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.

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LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m Monoboom, Rear stabilisers, No bucket.

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Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4360*	4360*					3830*	3830*	4620
6.0m (19.8ft)					5080*	5010	3530*	3080			3330*	3050	6031
4.5m (14.9ft)					5710*	4800	4890*	3050			3190*	2440	6838
3.0m (9.10ft)					6740*	4460	5250*	2910			3230*	2170	7248
1.5m (4.11ft)					7530*	4160	5270	2780			3440*	2080	7330
0m			5580*	5580*	7600*	4010	5160	2690			3880*	2150	7094
– 1.5m (– 4.11ft)	6310*	6310*	9440*	7620	6950*	3990	5060*	2680			4400*	2420	6508
– 3.0m (– 9.10ft)	8760*	8760*	7190*	7190*	5360*	4080					4000*	3150	5454
– 4.5m (– 14.9ft)			2810*	2810*							2280*	2280*	3524

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m Monoboom, Rear stabilisers, No bucket.

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Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
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6.0m (19.8ft)							4040*	3180			2580*	2580*	6514
4.5m (14.9ft)					5290*	4910	4610*	3100			2500*	2250	7266
3.0m (9.10ft)			9710*	8540	6360*	4540	5040*	2950	3370*	2080	2540*	2010	7653
1.5m (4.11ft)			5120*	5120*	7290*	4180	5290	2790	3730	2020	2690*	1930	7731
0m			6660*	6660*	7590*	3980	5150	2670	3080*	1970	3020*	1970	7508
– 1.5m (– 4.11ft)	6070*	6070*	10140*	7430	7170*	3920	5100	2630			3630*	2180	6957
– 3.0m (– 9.10ft)	10160*	10160*	8130*	7600	5930*	3980					4020	2720	5985
– 4.5m (– 14.9ft)			4570*	4570*							3120*	3120*	4307

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m Monoboom, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2400*	2400*	5690
6.0m (19.8ft)							3840*	3180			2170*	2170*	6881
4.5m (14.9ft)							4350*	3100	2500*	2110	2110*	2060	7596
3.0m (9.10ft)			8930*	8800	6020*	4580	4830*	2940	3790	2060	2150*	1850	7967
1.5m (4.11ft)			6790*	6790*	7070*	4210	5280	2780	3700	1980	2280*	1780	8041
0m			6950*	6950*	7540*	3970	5120	2650	3640	1930	2540*	1810	7828
– 1.5m (– 4.11ft)	5610*	5610*	9860*	7400	7290*	3880	5050	2590			3040*	1990	7301
– 3.0m (– 9.10ft)	9050*	9050*	8780*	7520	6260*	3920	4430*	2620			3920*	2420	6383
– 4.5m (– 14.9ft)	7560*	7560*	5630*	5630*	3860*	3860*					3340*	3340*	4849



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.

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JCB WHEELED EXCAVATOR | JSI60W



LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m Monoboom, Front dozer, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4360*	4360*					3830*	3830*	4620
6.0m (19.8ft)					5080*	5080*	3530*	3530*			3330*	3330*	6031
4.5m (14.9ft)					5710*	5710*	4890*	3910			3190*	3150	6838
3.0m (9.10ft)					6740*	5860	5250*	3780			3230*	2820	7248
1.5m (4.11ft)					7530*	5540	5580*	3630			3440*	2720	7330
0m			5580*	5580*	7600*	5370	5600*	3540			3880*	2810	7094
– 1.5m (– 4.11ft)	6310*	6310*	9440	9440*	6950*	5350	5060*	3530			4400*	3170	6508
– 3.0m (– 9.10ft)	8760*	8760*	7190*	7190*	5360*	5360*					4000*	4000*	5454
– 4.5m (– 14.9ft)			2810*	2810*							2280*	2280*	3524

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m Monoboom, Front dozer, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2880*	2880*	5238
6.0m (19.8ft)							4040*	4040*			2580*	2580*	6514
4.5m (14.9ft)					5290*	5290*	4610*	3980			2500*	2500*	7266
3.0m (9.10ft)			9710*	9710*	6360*	5950	5040*	3820	3370*	2700	2540*	2540*	7653
1.5m (4.11ft)			5120*	5120*	7290*	5570	5450*	3650	4100*	2630	2690*	2520	7731
0m			6660*	6660*	7590*	5340	5600*	3520	3080*	2590	3020*	2580	7508
– 1.5m (– 4.11ft)	6070*	6070*	10140*	10140*	7170*	5280	5280*	3480			3630*	2860	6957
– 3.0m (– 9.10ft)	10160*	10160*	8130*	8130*	5930*	5350					4020*	3570	5985
– 4.5m (– 14.9ft)			4570*	4570*							3120*	3120*	4307

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m Monoboom, Front dozer, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2400*	2400*	5690
6.0m (19.8ft)							3840*	3840*			2170*	2170*	6881
4.5m (14.9ft)							4350*	3970	2500*	2500*	2110*	2110*	7596
3.0m (9.10ft)			8930*	8930*	6020*	6000	4830*	3810	3790*	2680	2150*	2150*	7967
1.5m (4.11ft)			6790*	6790*	7070*	5600	5300*	3630	4330*	2600	2280*	2280*	8041
0m			6950*	6950*	7540*	5340	5540*	3500	4320*	2540	2540*	2390	7828
– 1.5m (– 4.11ft)	5610*	5610*	9860*	9860*	7290	5250	5350*	3440			3040*	2620	7301
– 3.0m (– 9.10ft)	9050*	9050*	8780*	8780*	6260*	5280	4430*	3470			3920*	3200	6383
– 4.5m (– 14.9ft)	7560*	7560*	5630*	5630*	3860*	3860*					3340*	3340*	4849



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.

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LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m Monoboom, Front stabilisers, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4360*	4360*					3830*	3830*	4620
6.0m (19.8ft)					5080*	5080*	3530*	3530*			3330*	3330*	6031
4.5m (14.9ft)					5710*	5710*	4890*	4450			3190*	3190*	6838
3.0m (9.10ft)					6740*	6740*	5250*	4310			3230*	3210	7248
1.5m (4.11ft)					7530*	6420	5580*	4160			3440*	3100	7330
0m			5580*	5580*	7600*	6250	5600*	4060			3880*	3210	7094
– 1.5m (– 4.11ft)	6310*	6310*	9440*	9440*	6950*	6220	5060*	4050			4400*	3630	6508
– 3.0m (– 9.10ft)	8760*	8760*	7190*	7190*	5360*	5360*					4000*	4000*	5454
– 4.5m (– 14.9ft)			2810*	2810*							2280*	2280*	3524

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m Monoboom, Front stabilisers, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2880*	2880*	5238
6.0m (19.8ft)							4040*	4040*			2580*	2580*	6514
4.5m (14.9ft)					5290*	5290*	4610*	4510			2500*	2500*	7266
3.0m (9.10ft)			9710*	9710*	6360*	6360*	5040*	4350	3370*	3070	2540*	2540*	7653
1.5m (4.11ft)			5120*	5120*	7290*	6450	5450*	4170	4100*	3010	2690*	2690*	7731
0m			6660*	6660*	7590*	6220	5600*	4050	3080*	2960	3020*	2960	7508
– 1.5m (– 4.11ft)	6070*	6070*	10140*	10140*	7170*	6150	5280*	4010			3630*	3280	6957
– 3.0m (– 9.10ft)	10160*	10160*	8130*	8130*	5930*	5930*					4020*	4020*	5985
– 4.5m (– 14.9ft)			4570*	4570*							3120*	3120*	4307

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m Monoboom, Front stabilisers, Rear stabilisers, No bucket.

JSI60W

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2400*	2400*	5690
6.0m (19.8ft)							3840*	3840*			2170*	2170*	6881
4.5m (14.9ft)							4350*	4350*	2500*	2500*	2110*	2110*	7596
3.0m (9.10ft)			8930*	8930*	6020*	6020*	4830*	4350	3790*	3050	2150*	2150*	7967
1.5m (4.11ft)			6790*	6790*	7070*	6490	5300*	4160	4330*	2970	2280*	2280*	8041
0m			6950*	6950*	7540*	6220	5540*	4020	4320*	2910	2540*	2540*	7828
– 1.5m (– 4.11ft)	5610*	5610*	9860*	9860*	7290*	6120	5350*	3960			3040*	3010	7301
– 3.0m (– 9.10ft)	9050*	9050*	8780*	8780*	6260*	6160	4430*	4000			3920*	3680	6383
– 4.5m (– 14.9ft)	7560*	7560*	5630*	5630*	3860*	3860*					3340*	3340*	4849



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.

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LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m T.A.B., Rear dozer, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											4240*	4230	4492
6.0m (19.8ft)					4690*	4330					3510*	2650	5935
4.5m (14.9ft)			6720*	6720*	5250*	4130	4630*	2600			3270*	2090	6753
3.0m (9.10ft)					6270*	3790	4990*	2470			3230*	1840	7168
1.5m (4.11ft)					7190*	3470	5390*	2330			3350*	1760	7251
0m			5340*	5340*	7530*	3300	5540*	2230			3670*	1810	7013
– 1.5m (– 4.11ft)			10110*	6060	7130*	3270	5140*	2220			4330*	2060	6419
– 3.0m (– 9.10ft)					5670*	3380					5100*	3030	4882

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m T.A.B., Rear dozer, No bucket.

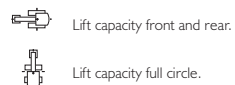
JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4410*	4410*					3120*	3120*	5155
6.0m (19.8ft)					4240*	4240*	4170*	2720			2700*	2360	6448
4.5m (14.9ft)					4820*	4250	4330*	2660			2550*	1910	7207
3.0m (9.10ft)			8730*	7150	5870*	3880	4750*	2510	3200*	1740	2530*	1690	7597
1.5m (4.11ft)					6900*	3500	5220*	2340	3880*	1680	2630*	1620	7675
0m			6410*	5870	7430*	3270	5490*	2220			2870*	1650	7451
– 1.5m (– 4.11ft)			10500*	5880	7270*	3200	5330*	2180			3340*	1840	6895
– 3.0m (– 9.10ft)			8830*	6050	6230*	3270					4150*	2320	5913

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m T.A.B., Rear dozer, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2580*	2580*	5629
6.0m (19.8ft)							3860*	2740			2270*	2120	6831
4.5m (14.9ft)					4440*	4290	4050*	2670	2430*	1760	2150*	1740	7551
3.0m (9.10ft)			7950*	7400	5520*	3930	4520*	2510	3790*	1720	2140*	1550	7924
1.5m (4.11ft)			6890*	6330	6650*	3540	5040*	2330	4150	1650	2230*	1480	7998
0m			6710*	5910	7320*	3270	5400*	2190	4080	1590	2420*	1510	7754
– 1.5m (– 4.11ft)	5120*	5120*	9850*	5850	7330*	3170	5370*	2130			2800*	1660	7254
– 3.0m (– 9.10ft)			9410*	5970	6530*	3210	4540*	2170			3590*	2050	6329



Notes:

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

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LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m T.A.B., Rear stabilisers, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											4240*	4240*	4492
6.0m (19.8ft)					4690*	4690*					3510*	3160	5935
4.5m (14.9ft)			6720*	67220*	5250*	4920	4630*	3090			3270*	2500	6753
3.0m (9.10ft)					6270*	4560	4990*	2960			3230*	2220	7168
1.5m (4.11ft)					7190*	4230	5390	2810			3350*	2130	7251
0m			5340*	5340*	7530*	4050	5270	2710			3670*	2200	7013
- 1.5m (- 4.11ft)			10110*	7670	7130*	4020	5140*	2700			4330*	2490	6419
- 3.0m (- 9.10ft)					5670*	4130					510**	3690	4882

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m T.A.B., Rear stabilisers, No bucket.

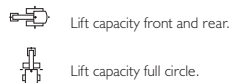
JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4410*	4410*					3120*	3120*	5155
6.0m (19.8ft)					4240*	4240*	4170*	3220			2700*	2700*	6448
4.5m (14.9ft)					4820*	4820*	4330*	3160			2550*	2290	7207
3.0m (9.10ft)			8730*	8730*	5870*	4660	4750*	3000	3200*	2090	2530*	2040	7597
1.5m (4.11ft)					6900*	4260	5220*	2830	3810	2030	2630*	1960	7675
0m			6410*	6410*	7430*	4020	5270	2700			2870*	2010	7451
- 1.5m (- 4.11ft)			10500*	7480	7270*	3950	5220	2660			3340*	2230	6895
- 3.0m (- 9.10ft)			8830*	7670	6230*	4020					4150	2810	5913

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m T.A.B., Rear stabilisers, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2580*	2580*	5629
6.0m (19.8ft)							3860*	3240			2270*	2270*	6831
4.5m (14.9ft)					4440*	4440*	4050*	3160	2430*	2120	2150*	2090	7551
3.0m (9.10ft)			7950*	7950*	5520*	4710	4520*	3000	3790*	2080	2140*	1880	7924
1.5m (4.11ft)			6890*	6890*	6650*	4300	5040*	2820	3790	2000	2230*	1800	7998
0m			6710*	6710*	7320*	4030	5240	2670	3720	1940	2420*	1840	7784
- 1.5m (- 4.11ft)	5120*	5120*	9850*	7450	7330*	3920	5170	2610			2800*	2030	7254
- 3.0m (- 9.10ft)			9410*	7580	6530*	3950	4540*	2660			3590*	2500	6329



Notes:

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

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LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m T.A.B., Front dozer, Rear stabilisers, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											4240*	4240*	4492
6.0m (19.8ft)					4690*	4690*					3510*	3510*	5935
4.5m (14.9ft)			6720*	6720*	5250*	5250*	4630*	3980			3270*	3250	6753
3.0m (9.10ft)					6270*	6000	4990*	3840			3230*	2900	7168
1.5m (4.11ft)					7190*	5640	5390*	3690			3350*	2790	7251
0m			5340*	5340*	7530*	5450	540*	3590			3670*	2890	7013
- 1.5m (- 4.11ft)			10110*	10110*	7130*	5420	5140*	3580			4330*	3280	6419
- 3.0m (- 9.10ft)					5670*	5540					5100*	4910	4882

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m T.A.B., Front dozer, Rear stabilisers, No bucket.

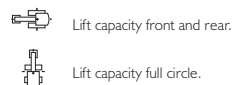
JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4410*	4410*					3120*	3120*	5155
6.0m (19.8ft)					4240*	4240*	4170*	4120			2700*	2700*	6448
4.5m (14.9ft)					4820*	4820*	4330*	4060			2550*	2550*	7207
3.0m (9.10ft)			8730*	8730*	5870*	5870*	4750*	3890	3200*	2730	2530*	2530*	7597
1.5m (4.11ft)					6900*	5690	5220*	3710	3880*	2660	2630*	2570	7675
0m			6410*	6410*	7430*	5430	5490*	3580			2870*	2650	7451
- 1.5m (- 4.11ft)			10500*	10500*	7270*	5350	5330*	3530			3340*	2950	6895
- 3.0m (- 9.10ft)			8830*	8830*	6230*	5430					4150*	3710	5913

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m T.A.B., Front dozer, Rear stabilisers, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2580*	2580*	5629
6.0m (19.8ft)							3860*	3860*			2270*	2270*	6831
4.5m (14.9ft)					4440*	4440*	4050*	4050*	2430*	2430*	2150*	2150*	7551
3.0m (9.10ft)			7950*	7950*	5520*	5520*	4520*	3890	3790*	2720	2140*	2140*	7924
1.5m (4.11ft)			6890*	6890*	6650*	5730	5040*	3700	4210*	2640	2230*	2230*	7998
0m			6710*	6710*	7320*	5430	5400*	3550	4210*	2570	2420*	2420*	7784
- 1.5m (- 4.11ft)	5120*	5120*	9850*	9850*	7330*	5320	5370*	3480			2800*	2690	7254
- 3.0m (- 9.10ft)			9410*	9410*	6530*	5360	4540*	3530			3590*	3310	6329



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 WHEELED EXCAVATOR | JSI60W



LIFT CAPACITIES – Dipper Length: 2.25m, 5.15m T.A.B., Front stabilisers, Rear stabilisers, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											4240*	4240*	4492
6.0m (19.8ft)					4690*	4690*					3510*	3510*	5935
4.5m (14.9ft)			6720*	6720*	5250*	5250*	4630*	4530			3270*	3270*	6753
3.0m (9.10ft)					6270*	6270*	4990*	4390			3230*	3230*	7168
1.5m (4.11ft)					7190*	6550	5390*	4230			3350*	3190	7251
0m			5340*	5340*	7530*	6350	5540*	4130			3670*	3320	7013
- 1.5m (- 4.11ft)			10110*	10110*	7130*	6320	5140*	4120			4330*	3770	6419
- 3.0m (- 9.10ft)					5670*	5670*					5100*	5100*	4882

LIFT CAPACITIES – Dipper Length: 2.70m, 5.15m T.A.B., Front stabilisers, Rear stabilisers, No bucket.

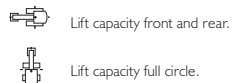
JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4410*	4410*					3120*	3120	5155
6.0m (19.8ft)					4240*	4240*	4170*	4170*			2700*	2700*	6448
4.5m (14.9ft)					4820*	4820*	4330*	4330*			2550*	2550*	7207
3.0m (9.10ft)			8730*	8730*	5870*	5870*	4750*	4440	3200*	3110	2530*	2530*	7597
1.5m (4.11ft)					6900*	6600	5220*	4250	3880*	3050	2630*	2630*	7657
0m			6410*	6410*	7430*	6330	5490*	4120			2870*	2870*	7451
- 1.5m (- 4.11ft)			10500*	10500*	7270*	6250	5330*	4070			3340*	3340*	6895
- 3.0m (- 9.10ft)			8830*	8830*	6230*	6230*					4150*	4150*	5913

LIFT CAPACITIES – Dipper Length: 3.05m, 5.15m T.A.B., Front stabilisers, Rear stabilisers, No bucket.

JSI60W T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2580*	2580*	5629
6.0m (19.8ft)							3860*	3860*			2270*	2270*	6831
4.5m (14.9ft)					4440*	4440*	4050*	4050*	2430*	2430*	2150*	2150*	7551
3.0m (9.10ft)			7950*	7950*	5520*	5520*	4520*	4450	3790*	3100	2140*	2140*	7924
1.5m (4.11ft)			6890*	6890*	6650*	6640	5040*	4250	4210*	3020	2230*	2230*	7998
0m			6710*	6710*	7320*	6340	5400*	4090	4210*	2960	2420*	2420*	7784
- 1.5m (- 4.11ft)	5120*	5120*	9850*	9850*	7330*	6220	5370*	4020			2800*	2800*	7254
- 3.0m (- 9.10ft)			9410*	9410*	6530*	6260	4540*	4070			3590*	3590*	6329



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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4. Lift capacities may be limited by local regulations. Please refer to your dealer.



JCB WHEELED EXCAVATOR | JS160W



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