



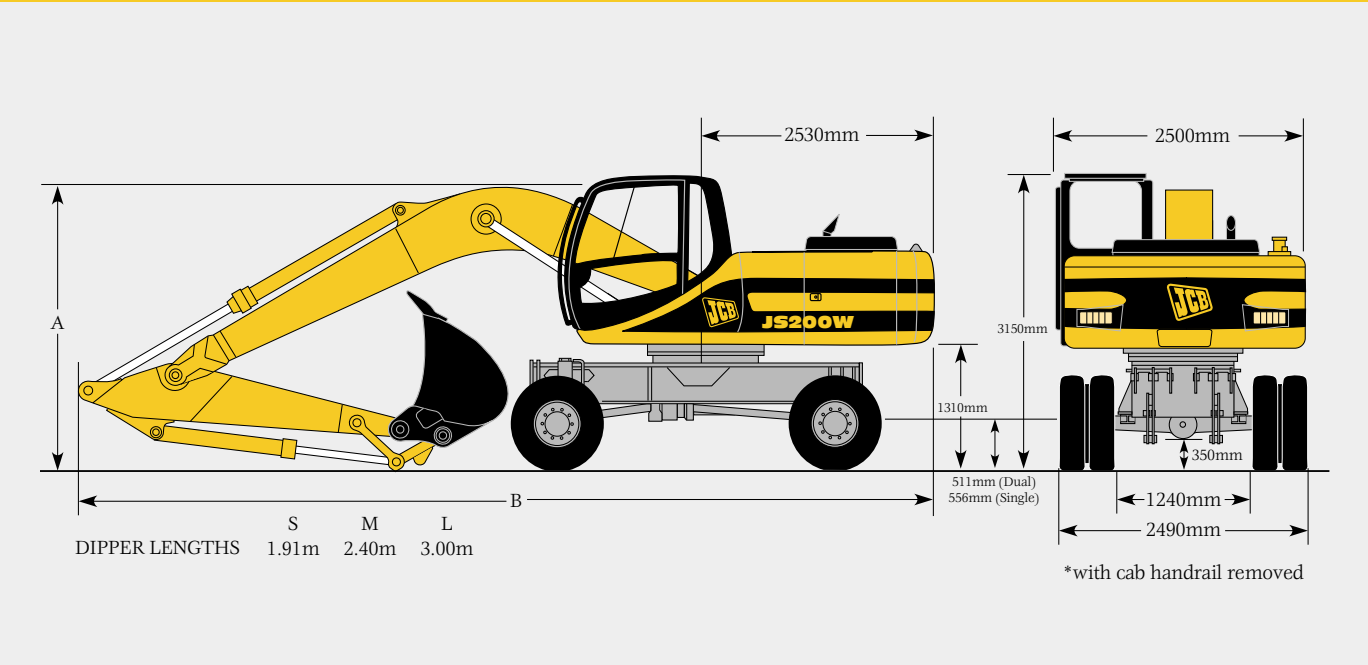
JCB JS 200W

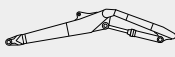
WHEELED EXCAVATOR



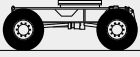
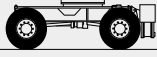
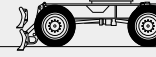
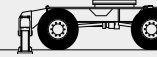
MAX. OPERATING WEIGHT: 21370 kg
NETT ENGINE POWER: 95kW (128 hp)

STATIC DIMENSIONS



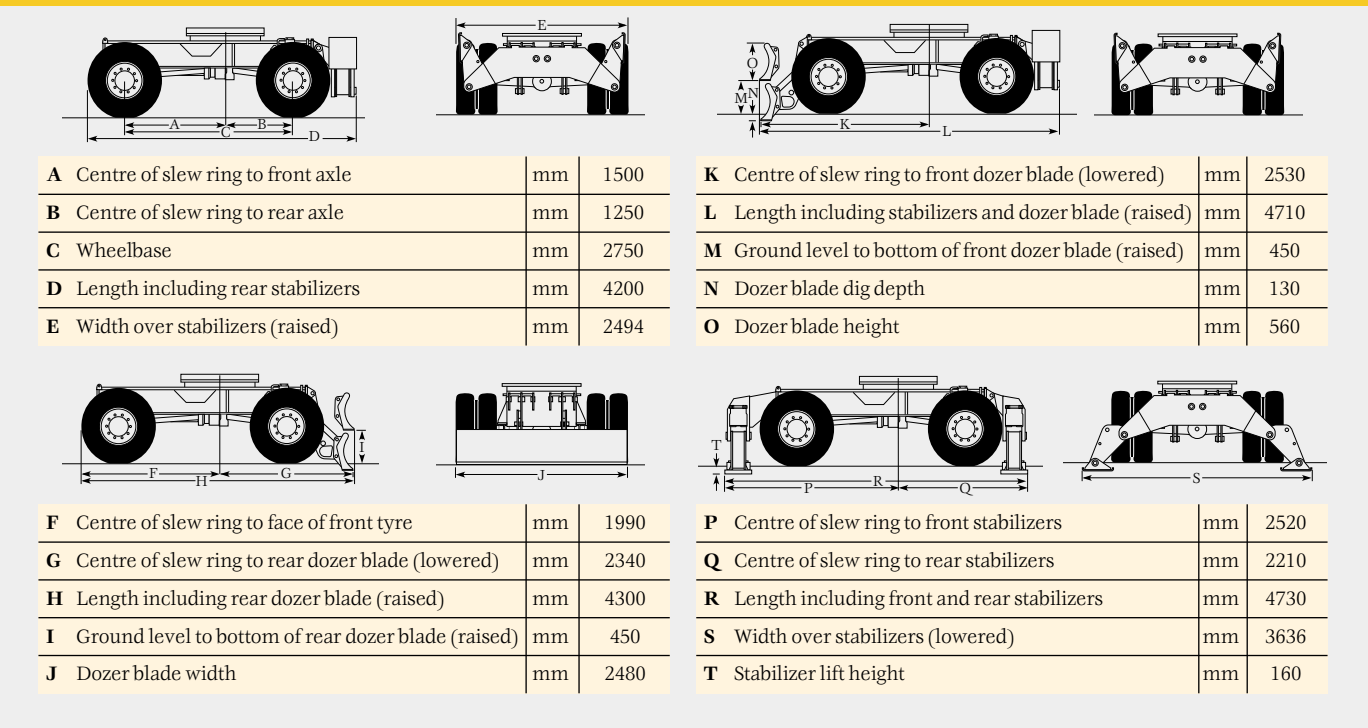
BOOM							
DIPPER ARM		S	M	L	S	M	L
A	mm	3060	2985	2875	3100	3130	3010
B	mm	9450	9350	9280	9175	9170	9100

OPERATING WEIGHTS

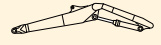
CHASSIS						
	kg	18,760	19,480	19,720	20,450	20,690
	kg	19,440	20,170	20,400	21,130	21,370

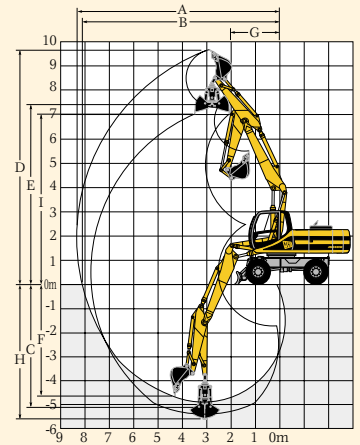
Machine equipped with excavating bucket and dual wheels. For single wheels subtract 400kg.

CHASSIS OPTIONS

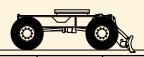
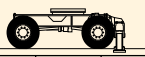
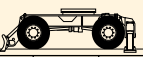
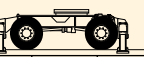


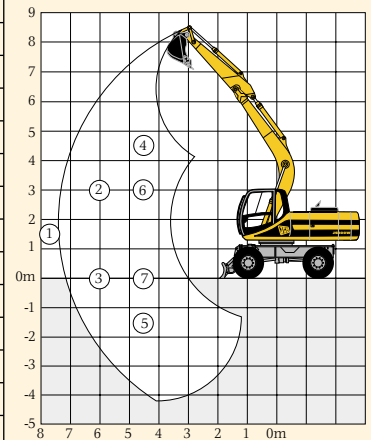
WORKING RANGES

BOOM							
DIPPER ARM		1.91m	2.40m	3.00m	1.91m	2.40m	3.00m
A Max digging reach	mm	9110	9490	10020	8860	9280	9825
B Max digging reach (on ground)	mm	8870	9310	9850	8650	9140	9650
C Max digging depth	mm	5260	5790	6370	5470	5960	6475
D Max digging height	mm	9190	9430	9630	9530	9930	10160
E Max loadover height	mm	6470	6760	6980	6670	7060	7300
F Max vertical wall cut depth	mm	4540	5240	5840	3760	4200	4795
G Min swing radius	mm	3900	3860	3750	3250	3260	2905
H Max digging depth with grab	mm	N/A	N/A	N/A	N/A	N/A	N/A
I Max dumping height with grab	mm	N/A	N/A	N/A	N/A	N/A	N/A
Bucket rotation		183°	183°	183°	183°	183°	183°
Dipper tearout	kgf	16340	13100	10450	16340	13100	10450
Dipper tearout with boost	kgf	17700	14000	11270	17700	14000	11270
Bucket tearout	kgf	11770	11770	11770	11770	11770	11770
Bucket tearout with boost	kgf	12710	12710	12710	12710	12710	12710



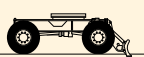
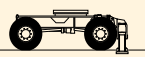
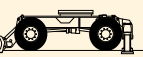
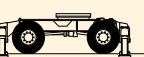
MONOBOOM LIFT CAPACITIES

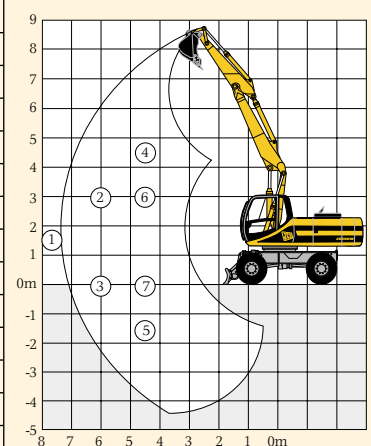
CHASSIS													
DIPPER ARM		1.91m	2.40m	3.00m	1.91m	2.40m	3.00m	1.91m	2.40m	3.00m	1.91m	2.40m	3.00m
①	O/E	5625*	5495*	5270*	5625*	5495*	5270*	5625*	5495*	5270*	5625*	5495*	5270*
	360°	2090	2090	2085	2565	2565	2560	3145	3150	3145	3705	3710	3705
②	O/E	6520*	6220*	5775*	6520*	6220*	5775*	6520*	6220*	5775*	6520*	6220*	5775*
	360°	3130	3175	3210	3790	3835	3875	4605	4655	4700	5415	5460	5510
③	O/E	7340*	7315	7170*	7340*	7315	7170*	7340*	7315	7170*	7340*	7315	7170*
	360°	2930	2926	2900	3582	3580	3555	4390	4390	4365	5190	5185	5165
④	O/E	7380*	6725*	5860*	7380*	6725*	5860*	7380*	6725*	5860*	7380*	6725*	5860*
	360°	5250	5380	5525	6325	6465	5860*	7380*	6725*	5860*	7380*	6725*	5860*
⑤	O/E	9465*	9810*	10035*	9465*	9810*	10035*	9465*	9810*	10035*	9465*	9810*	10035*
	360°	4605	4570	4493	5650	5610	5530	6960	6920	6840	8315	8274	8190
⑥	O/E	9230*	8645*	7840*	9230*	8645*	7840*	9230*	8645*	7840*	9230*	8645*	7840*
	360°	4815	4940	5055	5870	6000	6120	7190	7330	7460	8560	8645*	7840*
⑦	O/E	10155*	10245*	10130*	10155*	10245*	10130*	10155*	10245*	10130*	10155*	10245*	10130*
	360°	4555	4555	4520	5595	5595	5560	6900	6905	6870	8255	8255	8225



BUCKET WEIGHT 564kg

TRIPLE ARTICULATION LIFT CAPACITIES

CHASSIS													
DIPPER ARM		1.91m	2.40m	3.00m	1.91m	2.40m	3.00m	1.91m	2.40m	3.00m	1.91m	2.40m	3.00m
①	O/E	-	4535*	4225*	-	4535*	4225*	-	4535*	4225*	-	4535*	4225*
	360°	-	1910	1915	-	2385	2395	-	2965	2974	-	3535	3545*
②	O/E	5070*	4730*	4260*	5070*	4730*	4260*	4335*	4730*	4260*	5070*	4730*	4260*
	360°	2950	3005	3065	3615	3670	3735*	5070	4490*	4260*	5070*	4730*	4260*
③	O/E	6285*	6150*	5895*	6285*	6150*	5895*	6285*	6150*	5895*	6285*	6150*	5895*
	360°	2685	2690	2680	3340	3345	3335	4145	4150	4140	4945	4950	4945*
④	O/E	5175*	4555*	3735*	5175*	4555*	3740*	5175*	4550*	3740*	5175*	4550*	3740*
	360°	5125*	4555*	3735*	5175*	4555*	3740*	5175*	4550*	3740*	5175*	4550*	3740*
⑤	O/E	8795*	8905*	8865*	8795*	8905*	8865*	8795*	8905*	8865*	8795*	8910*	8865*
	360°	4220	4190	4125	5255	5225	5155	6550	6520	6450	7900*	7870*	7800*
⑥	O/E	6955*	6355*	5540*	6955*	6355*	5540*	6955*	6355*	5540*	6955*	6355*	5540*
	360°	4635	4775	4925*	5690	5840*	5540*	6955*	6355*	5540*	6955*	6355*	5540*
⑦	O/E	8910*	8775*	8435*	8910*	8775*	8435*	8910*	8775*	8440*	8910*	8775*	8435*
	360°	4190	4210	4205	5225	5240	5240	6520	6540	6540	7870*	7890*	7895*



BUCKET WEIGHT 525kg

Unit: kg

O/E = Lift capacity over least stable end. 360° = Lift capacity full circle.

Notes: 1. Lifting capacities are based on the ISO standard, 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.

2. Lift capacities assume that the machine is on firm, level ground, stabilized and equipped with twin tyres, an approved lifting point and bucket.

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

GENERAL EXCAVATING BUCKETS

All buckets are JCB – Esco type 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)	0.40 (0.52)	484 (1067)
900 (36)	0.71 (0.93)	595 (1312)
1000 (40)	0.81 (1.06)	627 (1382)
1200 (48)	1.03 (1.35)	705 (1555)
1350 (53)	1.05 (1.37)	679 (1497)
1450 (57)	1.14 (1.49)	720 (1588)
1500 (59)	1.19 (1.56)	734 (1618)

DIGGING GRABS

					WEIGHT
cu.m	mm	mm	mm	mm	kg
0.20	300	1660	1325	1735	650
0.27	400	1660	1325	1735	670
0.34	500	1660	1325	1735	690
0.40	600	1660	1325	1735	710
0.47	700	1660	1325	1735	780
0.54	800	1660	1325	1735	810

When grab is used a suspension link is required. The additional length of the link should be taken into account.

CHASSIS

Structure: high strength section.

Chassis Options

Dozer Blade: front and 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 8kph
High ratio 30kph

Creep speed 3kph

Axles: four wheel drive. Front steering axle oscillates for rough ground mobility.

Axle load capacity: 42 tonnes

Axle oscillation: + / - 8.5 degrees

Ground clearance 350mm

Steering: fully hydraulic system.

Turning radius:

To outside of tyres 6.61m

To outer edge of front mounted

dozer blade 7.23m

Brakes: all hydraulic, dual circuit brake system.

Parking Brake: built into the transmission .

ENGINE

Standard Engine: Isuzu A-6BG1TQB-04.

Type: Water cooled, 4-stroke, 6-cylinder in-line, direct injection, turbocharged diesel.

Net Power: (SAE J1349 and 80/1269/EC)

95kW (128hp) at 1950 RPM.

Piston displacement: 6.494 litres

Optional Engine: JCB 1006-60T.

Type: Water cooled, 4-stroke, 6-cylinder in-line, direct injection, turbocharged diesel.

Net Power: (SAE J1349 and 80/1269/EC)

99kW (133hp) at 2100 RPM.

Piston displacement: 5.985 litres

Starting system: 24 volt.

Batteries: 2 x 12 volt Heavy Duty.

Alternator: 24 volt 55 amp (optional engine), 40 amp (standard engine).

SERVICE CAPACITIES

Fuel tank	310lt
Engine coolant	25.5lt
Engine oil	19.5lt
Swing reduction gear	5.0lt
Hydraulic system	200lt
Hydraulic tank	120lt
Transmission	3.4lt
Axle hubs (each)	3.0lt

TYRES

Twins: 11.00 x 20 tyres (16PR) with spacer ring.

Singles: 18R x 22.5 tyres (Radials).

CAB

Frame: Pressed steel cab with high strength rolled section frame conforming to ISO dimensional standards, noise and vibration isolated by six hydraulically damped resilient mountings.

MAIN HYDRAULIC SYSTEM

System Load-sensed hydraulic system with variable flow piston pumps providing flow-on-demand for maximum efficiency.

Main pump: variable displacement axial piston type

Maximum flow 399 l/min

Main circuit pressure 314 bar

With power boost 343 bar

Servo pump: gear type

Maximum flow 31 l/min

Servo pressure 30 bar

Optional Circuits

Hammer: includes automatic engine speed

setting and return filter.

Maximum flow 200 l/min

Maximum pressure 314 (343) bar

Hammer/auxiliary combined (pre-set to 180 bar)

Bucket to grab operation:

Maximum flow 138 l/min

Maximum pressure for grab ram

operation 330 (343) bar

Low Flow Pipework: two options available, one with 20L/min flow and a second with an adjustable flow of 27-45L/min.

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.

INSTRUMENTATION

Controller: CAPS II – Computer Aided Power control System, with engine speed sensing for 100% engine power usage, controls the power and flow output of the hydraulic system via four operator selectable work modes.

Monitor: The computer controller monitors all critical machine functions and operator selections which are displayed via a written LCD message monitor.

Gauges: Bar graph type gauges provide fuel level, water and hydraulic oil temperature readings.

Diagnostics: A self fault diagnostic system is built-in with a manual override for continuity of operation.

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: 10RPM

Swing gear: Large diameter, internally toothed fully sealed grease bath lubricated.

Swing lock: Multi position switchable brake and mechanical lock.

EXCAVATOR END

Booms: Monoboom or triple articulation boom with choice of dipper lengths to match the requirements of reach, lift capacity and tearout.

Bucket tipping links: fabricated type with choice of 1 tonne lift, max capacity lift and no-lift point - with link stowage lock (grab work).

STANDARD/OPTIONAL EQUIPMENT

Auto engine warm up	Std
Double element air cleaner	Std
Radiator fine mesh grille	Std
Heavy duty alternator	Std
Electrics isolator	Std
Heavy duty batteries	Std
Tinted safety glass	Std
Radio & cassette player	Std
Operators storage box	Std
Removable floor mat	Std
Windscreen wash/wipe	Std
Plug-in power socket	Std
Power boost	Std
Auto-idle	Std
One-touch engine speed control	Std
Hydraulic cushion control	Std
Nephron hydraulic oil filtration	Std
Grouped HSP pressure test points	Std
Hammer pipework mounting brackets	Std
Work lights – boom & mainframe mounted	Std
Upper structure under covers	Std
External mirrors	Std
Handrail & nonslip pads	Std
Creep speed	Std
Tipping link with stowage lock	Std
Load holding valves (lift)	Std
On the move gear change	Std
Oscillating axle lock	Std
Adjustable steer column	Std
Spring assisted opening screen	Std
Auto engine/hydraulics warm up	Std
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
Hydraulic hammers	Opt
Hammer pipework	Opt
Low flow (grab rotate/weedcutter) pipework	Opt
Bucket to grab changeover pipework	Opt
Air conditioning	Opt
Cab mounted & rear work lights	Opt
Rotating beacon	Opt
Electric refuelling pump	Opt
Rain guard	Opt
Additional toolbox	Opt
Grab stowage bar	Opt

