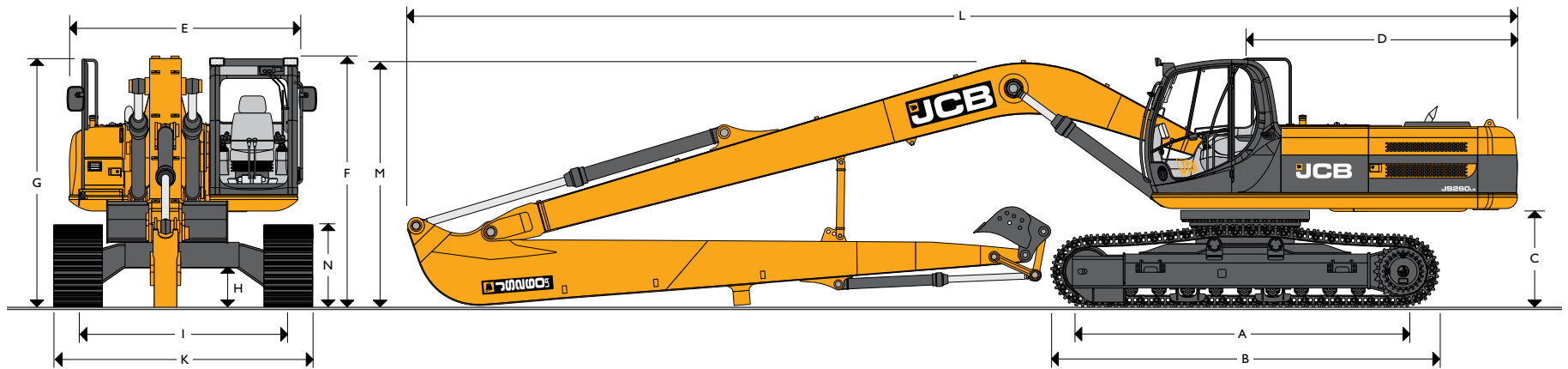




MAX. OPERATING WEIGHT: 63558 lbs (28890 kg) NET ENGINE POWER: 197 hp (147 kW)



STATIC DIMENSIONS

Dimensions in ft-in (millimetres)	LR	Dimensions in ft-in (millimetres)	LR
A Track length on ground	12-7 (3840)	I Track gauge	8-6 (2590)
B Undercarriage overall length	15-3 (4640)	K Width o/tracks (28in)	10-9 (3290)
C Counterweight clearance	3-8 (1125)	K Width o/tracks (32in)	11-1 (3390)
D Tail swing radius	9-10 (3000)	K Width o/tracks (36in)	11-5 (3490)
E Overall width of superstructure	8-2 (2500)	L Transport length	47-7 (14510)
F Height over cab	9-10 (2980)	M Transport height	10-6 (3200)
G Height over grab rail	10-0 (3059)	N Track height	3-1 (940)
H Ground clearance	1-7 (486)		



ENGINE

Model	Isuzu 4HKIX Tier III emissions compliant.
Type	Water cooled, 4-stroke, 6-cylinder in-line, direct injection, turbocharged diesel.
Nett power (ISO 3046-INF)	197hp (147kW) at 2150rpm.
Piston Displacement	317 cu.in. (5.193 litres).
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. Front and rear.
Recovery point	Sealed and lubricated.
Track type	24in (600mm), 28in (700mm), 32in (800mm), 36in (900mm).
Track shoe options	Heat treated, sealed and lubricated.
Upper & lower rollers	Grease cylinder type.
Track adjustment	Sealed and lubricated, with spring cushioned recoil.
	LC
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 59.7 GPM (2 x 226L/min).
Servo pump	Gear type.
Maximum flow	5.7 GPM (21.5 L/min).

Control valve

A combined four and five spool control valve with auxiliary service spool as standard. When required twin pump flow is combined to boom, dipper and bucket services for greater speed and efficiency.

Relief valve settings

Boom/Arm/Bucket	4975lb/sq.in (343 bar)
With power boost	5410lb/sq.in (373 bar)
Swing circuit	4192lb/sq.in (289 bar)
Travel circuit	4975lb/sq.in (343 bar)
Pilot control	569lb/sq.in (40 bar)

Hydraulic cylinders

Double acting type, with bolt-up end caps and hardened steel bearing bushes. End cushioning is fitted as standard on boom, dipper and bucket rams.

Filtration

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

In tank	150 micron, suction strainer.
Main return line	10 micron, 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 – 3.4 mph (5.6 km/h). Mid – 2.0 mph (3.3 km/h). Low – 1.4 mph (2.3 km/h).
Tractive effort	44309lbf (197.1 kN).

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.

CAB

Excellent digging, loading and positioning visibility results from the careful design of front, side and roof lights. All glass is tinted to improve in cab conditions.

Fully opening front windshield is very smooth to operate and as the lower windshield is stored within the top frame it makes complete front windshield opening easy, fast and convenient.

Fresh air ventilation available from opening door window, opening slot in front windshield and fully opening front windshield.

Parallelogram wash wiper for upper ensuring good wiped area for maximum visibility. Optional lower wiper available.

Fresh air ventilation and heater with windshield 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 windshield.



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** Dual pattern control switch in back of cab makes it convenient to switch from ISO to SAE control pattern.
- Tracks** Individually servo operated by foot pedal or hand lever. Speed selection via joystick button.
- Auxiliary** Via servo operated foot pedal.
- Control isolation** Via gate lock lever at cab entrance or panel switch.
- Engine speed** Dial type throttle control plus servo lever mounted one-touch idle control or separate selectable auto-idle with adjustable time delay using AMS.
- Engine stop** Ignition key operated and separate shut-down button.
- Horn** Operated via servo lever mounted button.

SERVICE CAPACITIES

Fuel tank	gal (litres)	90.6 (343)
Engine coolant	gal (litres)	7.1 (26.8)
Engine oil	gal (litres)	5.7 (21.5)
Swing reduction gear	gal (litres)	1.6 (6.0)
Track reduction gear (each side)	gal (litres)	1.2 (4.7)
Hydraulic system	gal (litres)	63.7 (241)
Hydraulic tank	gal (litres)	31.7 (120)

WEIGHTS AND GROUND BEARING PRESSURES

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

Shoe Width	Operating Weight	Bearing Pressure
24in. (600mm)	56857lb (25790kg)	8.12lb/sq. in. (0.56kg/sq. cm.)
28in. (700mm)	59355lb (26923kg)	7.26lb/sq. in. (0.50kg/sq. cm.)
32in. (800mm)	59648lb (27056kg)	6.39lb/sq. in. (0.44kg/sq. cm.)



ATTACHMENTS

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

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 box	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
Hose burst check valves & overload warning system	Std
Air conditioning	Std

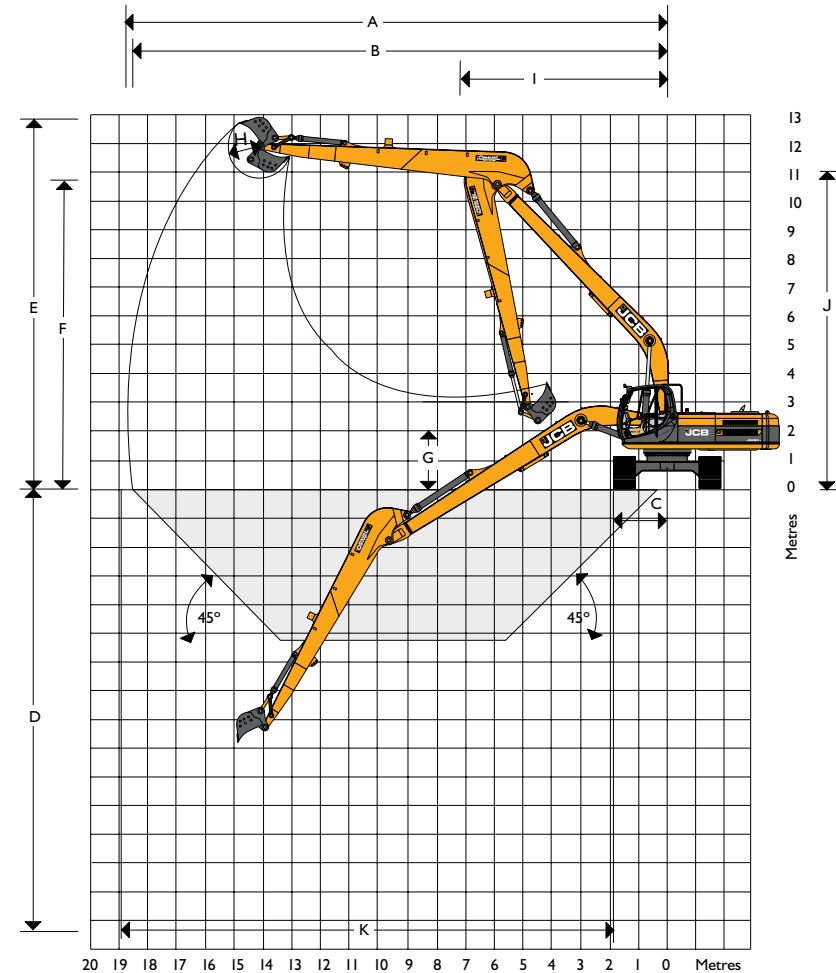
OPTIONAL EQUIPMENT

General purpose buckets	Opt
Ditch/grading buckets	Opt
Low flow pipework	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 & cassette player	Opt



WORKING RANGE

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





LIFT CAPACITIES – Dipper length: 26ft 1in(7.95m), Boom: 33ft 8in(10.27m), Trackshoes: 2ft 7in(800mm), No bucket.

JS260 LR

Load Point	Reach from swing centre																															
	0m (0ft)		5ft (1.5m)		10ft (3m)		15ft (4.6m)		20ft (6.1m)		25ft (7.6m)		30ft (9.1m)		35ft (10.7m)		40ft (12.2m)		45ft (13.7m)		50ft (15.2m)		55ft (16.8m)		Max.							
Reach																																
Ht.	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	ft (m)			
40ft (12.2m)																				2500*	2500*							1630*	1630*	49		
35ft (10.7m)																					2510*	2510*	2450	2450					1570*	1570*	42	
30ft (9.1m)																					2590*	2590*	2470*	2390					1550*	1550*	54	
25ft (7.6m)																					2950*	2950*	2720*	2720*	2540*	2250	1960*	1470	1550*	1380	55.5	
20ft (6.1m)																					3190*	3190*	2880*	2650*	2070	2500*	1370	1590*	1160	56.5		
15ft (4.6m)														4710*	4710*	3980*	3980*	3460*	3460*	3080*	2610	2790*	1860	2580*	1240	1650*	1000	57				
10ft (3m)							13180*	13180*	8890*	8890*	6640*	6640*	5290*	5290*	4380*	4160	3750*	3110	3280*	2300	2930*	1640	2670*	1100	1750*	890	17500					
5ft (1.5m)							3630*	3630*	9400*	9400*	10040*	8440	7410*	6250	5820*	4720	4770*	3580	4030*	2700	3480*	2000	3070*	1440	2750*	970	1890*	820	57			
0m							3420*	3420*	5000*	5000*	9070*	9070*	10830*	7260	8020*	5360	6270*	4060	5100*	3100	4270*	2350	3660*	1750	3200*	1270	2810*	870	2070*	800	56	
5ft (1.5m)							5150*	5150*	5200*	5200*	6680*	6680*	10100*	10100*	11250*	6620	8420*	4780	6600*	3600	5360*	2740	4470*	2080	3800*	1560	3280*	1140	2310*	830	55	
10ft (3m)							6600*	6600*	7000*	7000*	8540*	8540*	11760*	10110	11350*	6350	8610*	4470	6790*	3320	5510*	2510	4580*	1910	3870*	1440	3280*	1080	2640*	910	53	
15ft (4.6m)							8210*	8210*	8900*	8900*	10600*	10600*	13890*	10330	11160*	6350	8570*	4380	6810*	3200	5540*	2410	4580*	1830	3830*	1410	3150*	1110	3030*	1070	51	
20ft (6.1m)							9960*	9960*	10930*	10930*	12900*	12900*	14310*	10780	10650*	6550	8280*	4460	6620*	3230	5390*	2430	4430*	1870	3610*	1480			3130*	1330	48	
25ft (7.6m)							13170*	13170*	15530*	15530*	12930*	11450	9790*	6950	7700*	4720	6180*	3420	5000*	2590	4020*	2040							3200*	1750	44	
30ft (9.1m)							15690*	15690*	15270*	15270*	10990*	10990*	8470*	7540	6710*	5150	5360*	3770	4230*	2920									3200*	2440	39.5	
35ft (10.7m)							8240*	8240*	6480*	6480*	5120*	5120*	3920*	3920*															3030*	3030*	33.5	
40ft (12.2m)																																
45ft (13.7m)																																

Lift capacity front and rear.

- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

Lift capacity full circle.



A GLOBAL COMMITMENT TO QUALITY

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

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

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

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

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



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