

STATIC DIMENSIONS – JS260 LC MONOBOOM

Dimensions in ft-in (mm)	
A	Track Length on Ground
B	Undercarriage Overall Length
C	Track Gauge
D	Width Over Tracks (24 in shoes)
D	Width Over Tracks (28 in shoes)
D	Width Over Tracks (31.5 in shoes)
D	Width Over Tracks (35 in shoes)

Dipper Lengths	6 ft 7 in (2.00 m)	8 ft 0 in (2.44 m)	10 ft 2 in (3.09 m)	11 ft 7 in (3.53 m)	
Dimensions in ft-in (mm)					
E	Transport Length with Monoboom	33-0 (10,083)	33-0 (10,060)	32-8 (9960)	32-10 (10,010)
F	Transport Height with Monoboom	10-5 (3173)	10-7 (3230)	10-0 (3050)	10-7 (3220)

Dimensions in ft-in (mm)	
G	Counterweight Clearance
H	Tailswing Radius
I	Width of Superstructure
J	Height Over Cab
K	Height Over Grabrail
L	Ground Clearance
M	Track Height



ENGINE

Model Type	Isuzu 4HK1X EPA Tier III emissions compliant. Water cooled, 4-stroke, 4-cylinder in-line, direct injection, turbocharged diesel.
Net Power (ISO 3046-INF)	188 hp (140 kW) at 2,000 rpm.
Piston Displacement	317 cu.in. (5.193 liters).
Air Filtration	Dry element with secondary safety element and in-cab warning indicator.
Cooling	Water cooled via large capacity radiator.
Starting System	24 volt 6hp (4.5 kW).
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 Construction	LC-Long Carriage. 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	24 in (600 mm), 28 in (700 mm), 32 in (800 mm), 35 in (900 mm).
Upper & Lower Rollers	Heat treated, sealed and lubricated.
Track Adjustment	Grease cylinder type.
Track Idler	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 center control.

Pumps	
Main Pumps	2 variable displacement axial piston type.
Maximum Flow	2 x 59 gpm (2 x 229 l/min).
Servo Pump	Gear type.
Maximum Flow	5.2 gpm (20 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	4975 lbf/sq in (343 bar)
With Power Boost	5410 lbf/sq in (373 bar)
Swing Circuit	4192 lbf/sq in (289 bar)
Travel Circuit	4975 lbf/sq in (343 bar)
Pilot Control	569 lbf/sq in (40 bar)

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

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 displacement 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	44,309 lbf (197.1 kN).



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 19 ft 2 in (5.85 m) boom is designed to ensure the optimum digging envelope when matched with the three dipper lengths.

Low maintenance bronze alloy bushings with graphite plugs are fitted to boom base and boom to dipper pivots resulting in 1,000 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 windows are 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 windshield 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 wiper for upper windshield ensuring good wiped area for maximum visibility. Wiper motor is fitted in the left hand side of the sun roof so as not to affect bucket visibility when loading. Optional lower windshield wiper available.

Fresh air ventilation and heater with windshield defroster. Infinitely variable blower speed, temperature and recirculation control. Climate control standard. 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.

AMS – ADVANCED MANAGEMENT SYSTEM

Four selectable working modes link the operators control movements with the engine and hydraulic systems to maximize 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 maximizes 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/SAE control pattern, independently adjustable to the seat. Dual pattern control switch, in the fuse box, 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. Via servo operated foot pedal.
- Auxiliary 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

	gal (l)
Fuel Tank	90.6 (343)
Engine Coolant	8.1 (31.0)
Engine Oil	6.8 (25.9)
Swing Reduction Gear	1.6 (6.0)
Track Reduction Gear (each side)	1.2 (4.7)
Hydraulic System	63.6 (241)
Hydraulic Tank	31.7 (120)

WEIGHTS AND GROUND BEARING PRESSURES

Figures include 1.49cu.yd (1.14cu.m) bucket, operator and full fuel tank.

JS260 Monoboom

Undercarriage and Shoe Width in (mm)	Weight/Ground Bearing Pressure
28 (700)	58,303 lb / 6.54 lb/sq in

GENERAL PURPOSE EXCAVATOR BUCKETS

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

Max Width	Capacity (SAE Heaped)	Weight
36 in (900 mm)	1.0 cu yd (0.77 cu m)	1709 lb (775 kg)
43 in (1100 mm)	1.32 cu yd (1.01 cu m)	1890 lb (857 kg)
47 in (1200 mm)	1.49 cu yd (1.13 cu m)	1980 lb (898 kg)
59 in (1500 mm)	1.77 cu yd (1.35 cu m)	2064 lb (936 kg)
63 in (1600 mm)	1.46 cu yd (1.91 cu m)	2145 lb (973 kg)

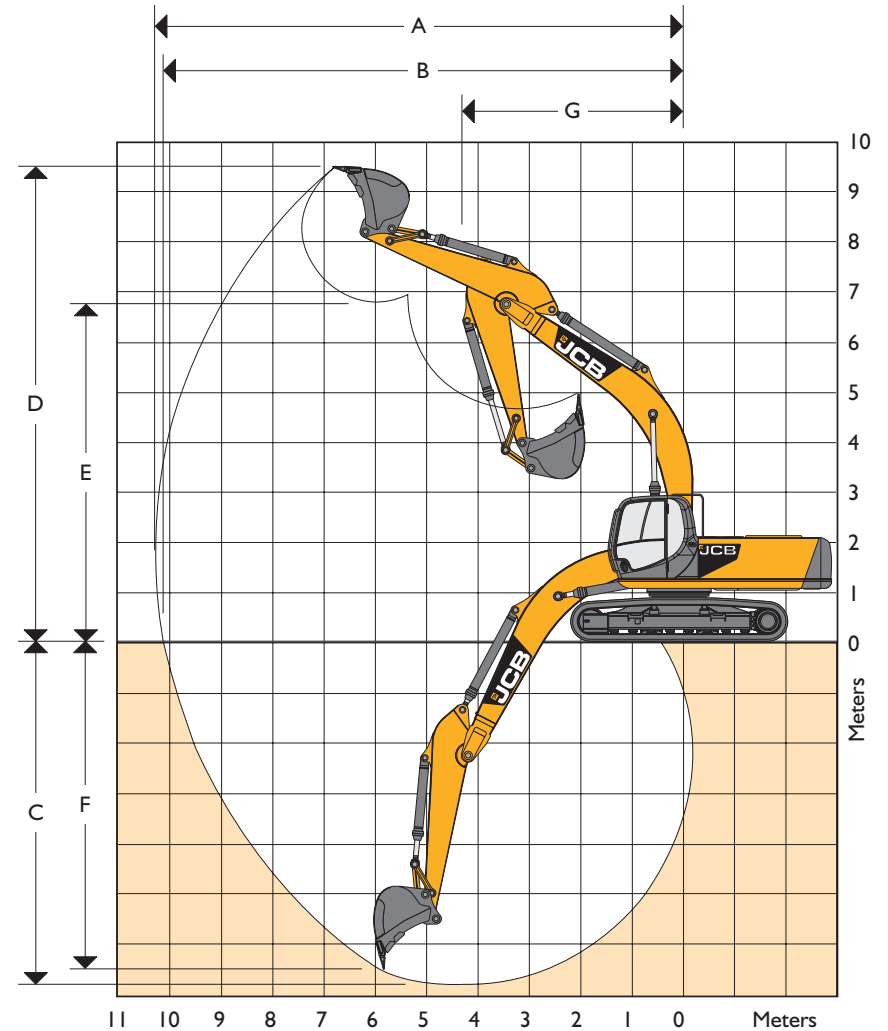
STANDARD / OPTIONAL EQUIPMENT

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 & window defroster; Air Conditioning; Tinted glass; Radio & cassette player; Interior light; Coat hook; Cigarette lighter; Ashtray; Operator’s storage box; Removable floormat; Windshield washer/wiper; Plug-in power socket; Automatic power boost; Auto-idle; One-touch engine speed control; ISO/SAE Dual pattern control switch; 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 windshield blind; Quick connect fuel tank drain pipe; Hinged engine under cover; Remote filter system; Climate control; Dual pattern control.

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); Cab mounted & rear work lights; Rotating beacon; Rain guard; Biodegradeable oil; Air suspension seat with heated pad and lumbar support adjustment; Lower windshield wiper; High and low temperature hydraulic oil option.















WORKING RANGE

Dimensions in ft-in (m)		19 ft 2 in (5.85 m) Monoboom			
Dipper Length	ft-in (m)	6-7 (2.00)	8-0 (2.44)	10-2 (3.09)	11-7 (3.53)
A Maximum Digging Reach	ft-in (m)	30-2 (9.19)	31-7 (9.64)	33-8 (10.27)	35-1 (10.69)
B Maximum Digging Reach (on ground)	ft-in (m)	29-6 (8.99)	31-0 (9.45)	32-10 (10.01)	34-6 (10.52)
C Maximum Digging Depth	ft-in (m)	18-9 (5.72)	20-2 (6.14)	22-3 (6.79)	23-8 (7.23)
D Maximum Digging Height	ft-in (m)	29-0 (8.84)	30-3 (9.23)	31-7 (9.62)	32-4 (9.85)
E Maximum Dumping Height	ft-in (m)	20-2 (6.15)	21-3 (6.47)	22-5 (6.83)	23-2 (7.05)
F Maximum Vertical Wall Cut Depth	ft-in (m)	14-9 (4.51)	17-7 (5.35)	20-4 (6.21)	21-10 (6.67)
G Minimum Swing Radius	ft-in (m)	13-2 (4.02)	13-1 (3.99)	12-8 (3.87)	12-9 (3.88)
Bucket Rotation	deg.	180°	180°	180°	180°
Max. Dipper Tearout (ISO 6015)	lbf (kgf)	40,285 (18,272)	34,136 (15,484)	27,002 (12,248)	24,685 (11,198)
Max. Bucket Tearout (ISO 6015)	lbf (kgf)	43,154 (19,574)	43,154 (19,574)	43,154 (19,574)	43,154 (19,574)



















LIFT CAPACITIES – Dipper Length: 6 ft 7 in (2.01 m), 19 ft 2 in (5.85 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. **JS260 LC MONO**

Reach	4 ft 11 in (1.5 m)		9 ft 10 in (3 m)		14 ft 9 in (4.5 m)		19 ft 8 in (6 m)		24 ft 7 in (7.5 m)		29 ft 6 in (9 m)		Capacity at Max. Reach			
															lb	lb
Load Point Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft-in
19 ft 8 in (6.0 m)							16270*	16270*						16094*	14,881	21-4
14 ft 9 in (4.5 m)					21385*	21385*	17350*	16,491						15895*	12,302	23-10
9 ft 10 in (3.0 m)					25706*	23,281	19114*	15,675	16182*	11,442				16006*	11,111	25-1
4 ft 11 in (1.5 m)							20613*	14,969	16711*	11,133				16292*	10,692	25-4
0 m					28351*	21,605	21142*	14,595						16645*	10,979	24-7
- 4 ft 11 in (- 1.5 m)			29873*	29873*	26588*	21,693	20238*	14,550						16954*	12,147	22-9
- 9 ft 10 in (- 3.0 m)			28594*	28594*	22663*	22178*								16799*	15,168	19-6
- 14 ft 9 in (- 4.5 m)																

LIFT CAPACITIES – Dipper Length: 8 ft 0 in (2.43 m), 19 ft 2 in (5.85 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. **JS260 LC MONO**

Reach	4 ft 11 in (1.5 m)		9 ft 10 in (3 m)		14 ft 9 in (4.5 m)		19 ft 8 in (6 m)		24 ft 7 in (7.5 m)		29 ft 6 in (9 m)		Capacity at Max. Reach			
															lb	lb
Load Point Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft-in
19 ft 8 in (6.0 m)							15190*	15190*						14903*	13,228	23-1
14 ft 9 in (4.5 m)					19952*	19952*	16469*	16469*	14881*	11,795				14793*	11,199	25-5
9 ft 10 in (3m)					24383*	23,700	18387*	15,785	15565*	11,464				14925*	10,185	26-7
4 ft 11 in (1.5m)					27646*	22,178	20106*	15,013	16336*	11,089				15,168	9,855	26-10
0					28440*	21,561	20966*	14,528	16601*	10,847				15521*	10,053	26-1
-4 ft 11 in (-1.5m)			27161*	27161*	27271*	21,517	20525*	14,396						15829*	10,979	24-5
-9 ft 10 in (-3m)			31747*	31747*	24052*	21,870	17990*	14,661						15829*	13,228	21-5
-14 ft 9 in (-4.5m)					16887*	16887*								14484*	14484*	16-6



- 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.



LIFT CAPACITIES – Dipper Length: 10 ft 2 in (3.09 m), 19 ft 2 in (5.85 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. **JS260 LC MONO**

Reach	4 ft 11 in (1.5 m)		9 ft 10 in (3 m)		14 ft 9 in (4.5 m)		19 ft 8 in (6 m)		24 ft 7 in (7.5 m)		29 ft 6 in (9 m)		Capacity at Max. Reach			
															lb	lb
Load Point Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft-in
19 ft 8 in (6m)									12015*	12015*				8995*	8995*	25-6
14 ft 9 in (4.5m)							15058*	15058*	13691*	11993				8863*	8863*	27-7
9 ft 10 in (3m)					22267*	22267*	17174*	16072	14661*	11574				9039*	9039*	28-8
4 ft 11 in (1.5m)					26279*	22641	19246*	15190	15697*	11133				9546*	8818	28-11
0			14528*	14528*	28175*	21649	20569*	14573	16358*	10781				10494*	8951	28-3
-4 ft 11 in (-1.5m)	15961*	15961*	25309*	25309*	27955*	21363	20745*	14286	16204*	10648				12170*	9634	26-8
-9 ft 10 in (-3m)	27249*	27249*	35847*	35847*	25750*	21517	19290*	14352						14705*	11177	24-0
-14 ft 9 in (-4.5m)			28043*	28043*	20701*	20701*	14352*	14352*						14308*	10340*	19-9

LIFT CAPACITIES – Dipper Length: 11 ft 7 in (3.52 m), 19 ft 2 in (5.85 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. **JS260 LC MONO**

Reach	4 ft 11 in (1.5 m)		9 ft 10 in (3 m)		14 ft 9 in (4.5 m)		19 ft 8 in (6 m)		24 ft 7 in (7.5 m)		29 ft 6 in (9 m)		Capacity at Max. Reach			
															lb	lb
Load Point Ht.	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft-in
24 ft 7 in (7.5m)														8333*	8333*	23-11
19 ft 8 in (6m)									12280*	12280*				7848*	7848*	27-1
14 ft 9 in (4.5m)							13999*	13999*	12853*	12059				7716*	7716*	29-0
9 ft 10 in (3m)			32187*	32187*	20635*	20635*	16204*	16204	13933*	11596	9965*	8708		7870*	7870*	30-1
4 ft 11 in (1.5m)					25022*	22884	18431*	15234	15102*	11089	11442*	8488		8272*	8157	30-3
0			15895*	15895*	27536*	21627	20040*	14506	15983*	10692	9678*	8311		9017*	8267	29-8
-4 ft 11 in (-1.5m)	14727*	14727*	24008*	24008*	27955*	21142	20591*	14110	16160*	10472				10296*	8796	28-2
-9 ft 10 in (-3m)	24119*	24119*	35693*	35693*	26411*	21186	19709*	14088	14947*	10516				12655*	10031	25-7
-14 ft 9 in (-4.5m)			31041*	31041*	22377*	21671*	16358*	14462*						13823*	12831	21-8
-19 ft 8 in (-6.0 m)																



- 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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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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