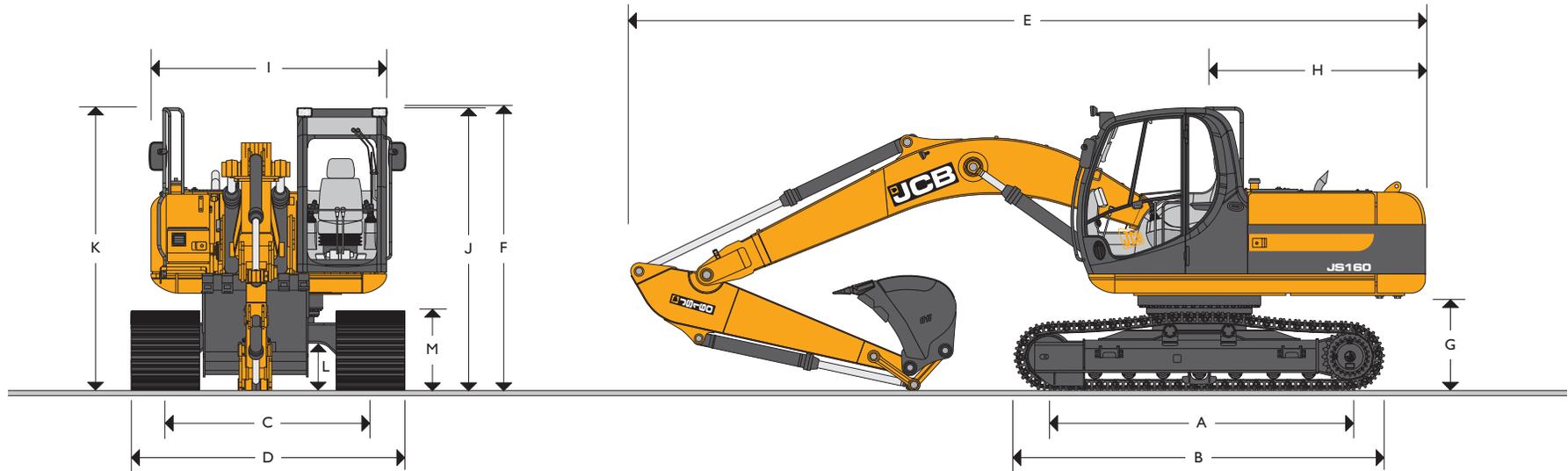




MAX OPERATING WEIGHT: 40,545 lb (18,396 kg) NET ENGINE POWER: 130 hp (97 kW)



STATIC DIMENSIONS

Dimensions in ft-in (mm)	NLC	LC
A Track Length on Ground	10-2 (3090)	10-2 (3090)
B Undercarriage Overall Length	12-11 (3940)	12-11 (3940)
C Track Gauge	6-6 (1990)	7-3 (2200)
D Width Over Tracks (20 in (500 mm) trackshoes)	8-2 (2490)	-
D Width Over Tracks (24 in (600 mm) trackshoes)	8-6 (2590)	9-2 (2800)
D Width Over Tracks (28 in (700 mm) trackshoes)	8-10 (2690)	9-6 (2900)
D Width Over Tracks (32 in (800 mm) trackshoes)	-	9-10 (3000)
D Width Over Tracks (36 in (900 mm) trackshoes)	-	10-2 (3100)
Dipper lengths	7-5 (2.25 m)	8-10 (2.7 m)
E Transport Length with Monoboom	27-4 (8338)	27-2 (8298)
F Transport Height with Monoboom	9-9 (2992)	9-9 (2992)

Dimensions in ft-in (mm)	NLC & LC
Counterweight Clearance	3-5 (1050)
Tail Swing Radius	7-8 (2338)
Width of Superstructure	8-1 (2470)
Height Over Cab	9-8 (2965)
Height Over Grab Rail	9-9 (2992)
Ground Clearance	1-7 (470)
Track Height	2-11 (880)



ENGINE

Model:	JCB Dieselmex 444 TCAE-97, EPA Tier III emissions compliant
Type:	Water cooled, 4-stroke, 4-cylinder in-line, direct injection, turbocharged diesel
Net Power (ISO 3046-1NF):	130 hp (97 kW) at 2,200 rpm
Piston Displacement:	269 cu in (4.4 liters)
Injection:	Electronic governor
Air Filtration:	Dry element with secondary safety element and in cab warning indicator
Cooling:	Large capacity radiator
Starting System:	24 V - 4 kW
Batteries:	2 x 12 V Heavy-duty
Alternator:	24 V 55 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:	10.4 rpm
Swing Gear:	Large diameter, internally toothed fully sealed grease bath lubricated
Swing Lock:	Multi position switchable brake

UNDERCARRIAGE

Carriage:	NLC – Narrow Long Carriage and LC – 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
Upper and Lower Rollers:	Heat treated, sealed and lubricated
Track Adjustment:	Grease cylinder type
Track Type:	Sealed and lubricated
Track Idler:	Sealed and lubricated, with spring cushioned recoil
Track Shoes:	20 in (500 mm) triple grouser 24 in (600 mm) triple grouser 28 in (700 mm) triple grouser 32 in (800 mm) triple grouser 35 in (900 mm) triple grouser
Rollers and Shoes (each side):	Upper Rollers 2 Lower Rollers 7 Track Shoes 43 Track Guides 1

HYDRAULIC SYSTEM

A variable flow load sensing system with flow on demand, variable power output and servo-operated, multi-function open center control. Machine auto warm up standard – maximizes performance in cold conditions.

Pumps:

Main Pumps	2 variable displacement axial piston type
Maximum Flow	2 x 43.3 gpm (2 x 164 l/min)
Servo Pump	Gear type
Maximum Flow	5.4 gpm (20.5 l/min)

Control Valve:

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

Relief Valve Settings:

Boom / Arm / Bucket	4,554 lbf/sq in (314 bar)
With Power Boost	4,975 lbf/sq in (343 bar)
Swing Circuit	4,045 lbf/sq in (279 bar)
Travel Circuit	4,975 lbf/sq in (343 bar)
Pilot Control	569 lbf/sq in (40 bar)

A separate Cushion Control valve in the servo system provides cushioning of the boom and dipper spools selection and quick warm-up of the servo system.

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 cylinders.

Optional hose burst check valves available for boom and dipper 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 as part of a single face cooling pack, in conjunction with the engine water cooler.

TRACK DRIVE

Type:	Fully hydrostatic, three speed with autoshift between high and medium speed
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°) continuous
Travel Speed:	High – 3.2 mph (5.2 km/h) Mid – 2.1 mph (3.3 km/h) Low – 1.1 mph (1.8 km/h)
Tractive Effort:	34,392 lbf (153 kN / 15,602 kgf)



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 16 ft 11 in (5.15 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.

Air conditioning or climate control incorporating chilled cool box available as option.

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.

12 v 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 windshields.

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 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.

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

	Gal	Liters
Fuel Tank	66.8	253
Engine Coolant	5.2	19.7
Engine Oil	4.9	18.5
Swing Reduction Gear	1.6	6
Track Reduction Gear (each side)	1.2	4.4
Hydraulic System	37.5	142
Hydraulic Tank	19.3	73.0

WEIGHTS AND GROUND BEARING PRESSURES

Machine equipped with 16 ft 10 in (5.15 m) Monoboom, 10 ft (3.05 m) Dipper, 1.18 yd³ (0.9 m³) Bucket, operator and full fuel tank.

Shoe Width / Undercarriage	Operating Weight	Bearing Pressure
20 in (500 mm) / NLC	37,898 lb (17,195 kg)	7.71 lb/sq in (0.54 kg/sq cm)
24 in (600 mm) / LC	38,566 lb (17,498 kg)	6.54 lb/sq in (0.46 kg/sq cm)
28 in (700 mm) / LC	39,086 lb (17,734 kg)	5.68 lb/sq in (0.40 kg/sq cm)
32 in (800 mm) / LC	39,668 lb (17,998 kg)	5.05 lb/sq in (0.35 kg/sq cm)
36 in (900 mm) / LC	40,545 lb (18,396 kg)	4.58 lb/sq in (0.32 kg/sq cm)

STANDARD EXCAVATING BUCKETS

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

Max Width	Capacity (SAE heaped)	Weight
24 in (610 mm)	0.46 cu yd (0.35 cu m)	873 lb (396 kg)
30 in (750 mm)	0.64 cu yd (0.49 cu m)	988 lb (448 kg)
36 in (900 mm)	0.81 cu yd (0.62 cu m)	1078 lb (489 kg)
39 in (1000 mm)	0.94 cu yd (0.72 cu m)	1160 lb (526 kg)
48 in (1600 mm)	1.18 cu yd (0.90 cu m)	1305 lb (592 kg)

STANDARD / OPTIONAL EQUIPMENT

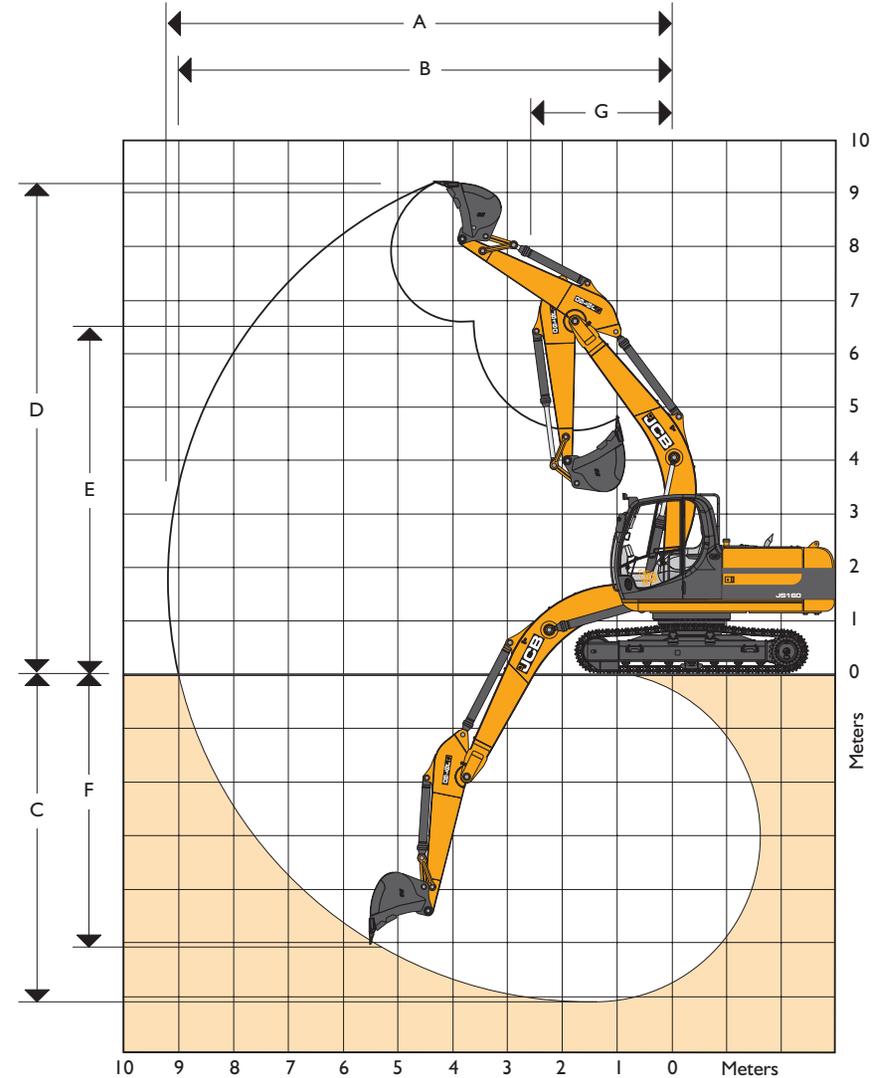
Standard Equipment: Engine fan guard; Cold start pre-heat; Auto engine warm up; Double element air cleaner; Heavy duty alternator; Electrics isolator; Heavy duty batteries; Cab & engine soundproofing; Cab heater & window defroster; Tinted glass; Interior light; Coat hook; Cigarette lighter; Ashtray; Operator's storage tray; Removable floor mat; Windshield washer/wiper; 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; Undercarriage belly guarding; Upper structure under covers; Swing system cover; 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; Central track guide.

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; Track guides; Lower windshield wiper; radio; high & low temperature hydraulic oil.



WORKING RANGE

Boom Length: 16 ft 11 in (5.15 m)		
Dipper Length:		7 ft 5 in (2.25 m)
A	Maximum Digging Reach	ft-in (mm) 27-11 (8507)
B	Maximum Digging Reach (on ground)	ft-in (mm) 27-4 (8326)
C	Maximum Digging Depth	ft-in (mm) 17-11 (5482)
D	Maximum Digging Height	ft-in (mm) 29-1 (8863)
E	Maximum Dumping Height	ft-in (mm) 21-5 (6535)
F	Maximum Vertical Wall Cut Depth	ft-in (mm) 16-1 (4912)
G	Minimum Swing Radius	ft-in (mm) 9-10 (3000)
	Bucket Rotation	182°
	Maximum Dipper Tearout (ISO 6015)	lbf (kgf) 19,259 (8754)
	Maximum Bucket Tearout (ISO 6015)	lbf (kgf) 26,104 (11,839)
Dipper Length: 8 ft 10 in (2.70 m)		
A	Maximum Digging Reach	ft-in (mm) 29-3 (8908)
B	Maximum Digging Reach (on ground)	ft-in (mm) 28-7 (8735)
C	Maximum Digging Depth	ft-in (mm) 19-6 (5940)
D	Maximum Digging Height	ft-in (mm) 29-8 (9050)
E	Maximum Dumping Height	ft-in (mm) 22-1 (6726)
F	Maximum Vertical Wall Cut Depth	ft-in (mm) 17-7 (5370)
G	Minimum Swing Radius	ft-in (mm) 9-10 (3000)
	Bucket Rotation	182°
	Maximum Dipper Tearout (ISO 6015)	lbf (kgf) 16,764 (7619)
	Maximum Bucket Tearout (ISO 6015)	lbf (kgf) 26,104 (11,839)
Dipper Length: 10 ft 0 in (3.05 m)		
A	Maximum Digging Reach	ft-in (mm) 30-3 (9223)
B	Maximum Digging Reach (on ground)	ft-in (mm) 29-8 (9056)
C	Maximum Digging Depth	ft-in (mm) 20-7 (6286)
D	Maximum Digging Height	ft-in (mm) 30-3 (9219)
E	Maximum Dumping Height	ft-in (mm) 22-2 (6891)
F	Maximum Vertical Wall Cut Depth	ft-in (mm) 18-6 (5646)
G	Minimum Swing Radius	ft-in (mm) 9-10 (3000)
	Bucket Rotation	182°
	Maximum Dipper Tearout (ISO 5016)	lbf (kgf) 15,406 (7003)
	Maximum Bucket Tearout (ISO 5016)	lbf (kgf) 26,104 (11,839)





LIFT CAPACITIES – Dipper Length: 7 ft 4 in (2.25 m), 16 ft 9 in (5.15 m) Monoboom, Trackshoes: 20 in (500 mm), No Bucket.

JS160 NLC

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)		Capacity at Max Reach			
	 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-in (mm)
Load Point Height														
24 ft 7 in (7.5 m)												8554 (3880)*	8554 (3880)*	14-9 (4495)
19 ft 8 in (6.0 m)												7363 (3340)*	7231 (3280)	19-6 (5961)
14 ft 9 in (4.5 m)					12,192 (5530)*	11,023 (5000)	10,714 (4860)	7099 (3220)				7033 (3190)*	5776 (2620)	22-4 (6797)
9 ft 11 in (3.0 m)					15,212 (6900)*	10,318 (4680)	10,406 (4720)	6834 (3100)				7121 (3230)*	4916 (2230)	23-9 (7230)
4 ft 11 in (1.5 m)					15,521 (7040)	9656 (4380)	10,097 (4580)	6526 (2960)				7518 (3410)	4916 (2230)	24-1 (7331)
0 ft			11,618 (5270)*	11,618 (5270)*	15,102 (6850)	9326 (4230)	9855 (4470)	6327 (2870)				7760 (3520)	5049 (2290)	23-4 (7116)
-4 ft 11 in (-1.5 m)	13,162 (5970)*	13162 (5970)*	23,611 (10,710)*	17,064 (7740)	15,036 (6820)	9237 (4190)	9811 (4450)	6283 (2850)				8708 (3950)	5622 (2550)	21-6 (6554)
-9 ft 10 in (-3.0 m)			23,788 (10,790)*	17,394 (7890)	15,234 (6910)	9414 (4270)						11,222 (5090)	7165 (3250)	18-2 (5535)
-14 ft 9 in (-4.5 m)														

LIFT CAPACITIES – Dipper Length: 8 ft 9 in (2.70 m), 16 ft 9 in (5.15 m) Monoboom, Trackshoes: 20 in (500 mm), No Bucket.

JS160 NLC

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)		Capacity at Max Reach			
	 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-in (mm)
Load Point Height														
24 ft 7 in (7.5 m)												6217 (2820)*	6217 (2820)*	16-10 (5128)
19 ft 8 in (6.0 m)							8466 (3840)*	7297 (3310)				5512 (2500)*	5512 (2500)*	21-2 (6449)
14 ft 9 in (4.5 m)							10,163 (4610)*	7165 (3250)				5313 (2410)*	5269 (2390)	23-9 (7228)
9 ft 11 in (3.0 m)			21,230 (9630)*	19,224 (8720)	17,593 (7980)*	10,979 (4980)	10,472 (4750)	6856 (3110)	7033 (3190)*	4872 (2210)		5379 (2440)*	4718 (2140)	25-1 (7636)
4 ft 11 in (1.5 m)			11,155 (5060)*	11,155 (5060)	14,043 (6370)	10,472 (4750)	10,097 (4580)	6526 (2960)	7253 (3290)	4740 (2150)		5732 (2600)*	4519 (2050)	25-4 (7732)
0 ft			14,088 (6390)*	14,088 (6390)	15,631 (7090)	9744 (4420)	9833 (4460)	6283 (2850)	6945 (3150)*	4630 (2100)		6393 (2900)*	4608 (2090)	24-8 (7529)
-4 ft 11 in (-1.5 m)	12,677 (5750)*	12,677 (5750)*	22,201 (10,070)*	16,821 (7630)	15,102 (6850)	9281 (4210)	9722 (4410)	6173 (2800)				7716 (3500)*	5071 (2300)	23-0 (7000)
-9 ft 10 in (-3.0 m)	21,583 (9790)*	21,583 (9790)*	25,574 (11,600)*	17,108 (7760)	14,925 (6770)	9149 (4150)	9833 (4460)	6283 (2850)				9700 (4400)	6217 (2820)	19-10 (6058)
-14 ft 9 in (-4.5 m)			18,673 (8470)*	17,747 (8050)	15,036 (6820)*	9237 (4190)						12,324 (5590)*	9877 (4480)	14-7 (4443)

LIFT CAPACITIES – Dipper Length: 10 ft 0 in (3.05 m), 16 ft 9 in (5.15 m) Monoboom, Trackshoes: 20 in (500 mm), No Bucket.

JS160 NLC

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)		Capacity at Max Reach			
	 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-in (mm)
Load Point Height														
24 ft 7 in (7.5 m)												5379 (2440)*	5379 (2440)*	18-9 (5707)
19 ft 8 in (6.0 m)							8554 (3880)*	7297 (3310)				4762 (2160)*	4762 (2160)*	22-8 (6916)
14 ft 9 in (4.5 m)							9392 (4260)*	7143 (3240)	5930 (2690)*	4894 (2220)		4564 (2070)*	4564 (2070)*	25-1 (7647)
9 ft 11 in (3.0 m)			18,739 (8500)*	18,739 (8500)*	12,963 (5880)*	10,472 (4750)	10,406 (4720)	6790 (3080)	7319 (3320)	4784 (2170)		4564 (2070)*	4233 (1920)	31-4 (8033)
4 ft 11 in (1.5 m)			13,404 (6080)*	13,404 (6080)*	15,543 (7050)	9634 (4370)	9987 (4530)	6415 (2910)	7143 (3240)	4608 (2090)		4784 (2170)*	4057 (1840)	31-8 (8124)
0 ft			13,536 (6140)*	13,536 (6140)*	14,925 (6770)	9105 (4130)	9678 (4390)	6107 (2770)	6989 (3170)	4475 (2030)		5247 (2380)*	4123 (1870)	31-0 (7931)
-4 ft 11 in (-1.5 m)	10,781 (4890)*	10,781 (4890)*	19,886 (9020)*	16,380 (7430)	14,661 (6650)	8885 (4030)	9502 (4310)	5975 (2710)				6129 (2780)*	4497 (2040)	24-5 (7431)
-9 ft 10 in (-3.0 m)	18,497 (8390)*	18,497 (8390)*	26,389 (11970)*	16,601 (7530)	14,705 (6670)	8929 (4050)	16,182 (7340)	6019 (2730)				7959 (3610)*	5401 (2450)	21-6 (6553)
-14 ft 9 in (-4.5 m)			20,591 (9340)*	17,218 (7810)	13,955 (6330)*	9304 (4220)						11,376 (5160)*	7893 (3580)	16-9 (5101)

 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.



LIFT CAPACITIES – Dipper Length: 7 ft 4 in (2.25 m), 16 ft 9 in (5.15 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket.

JS160 LC

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)		Capacity at Max Reach			
	 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-in (mm)	
Load Point Height														
24 ft 7 in (7.5 m)												8554 (3880)*	8554 (3880)*	14-9 (4495)
19 ft 8 in (6.0 m)												7363 (3340)*	7363 (3340)*	19-6 (5961)
14 ft 9 in (4.5 m)					12,192 (5530)*	12,192 (5530)*	11,023 (5000)	8069 (3660)				7033 (3190)*	6592 (2990)	22-4 (6797)
9 ft 1 in (3.0 m)					15,212 (6900)*	11,817 (5360)	10,737 (4870)	7782 (3530)				7099 (3220)*	5886 (2670)	23-9 (7230)
4 ft 11 in (1.5 m)					16,006 (7260)	11,155 (5060)	10,406 (4720)	7496 (3400)				7562 (3430)*	5644 (2560)	24-1 (7331)
0 ft			11,618 (5270)*	11,618 (5270)*	15,587 (7070)	10,803 (4900)	10,185 (4620)	7275 (3300)				8025 (3640)	5798 (2630)	23-4 (7116)
-4 ft 11 in (-1.5 m)	13,162 (5970)*	13,162 (5970)*	23,611 (10,710)*	20,194 (9160)	15,498 (7030)	10,714 (4860)	10,119 (4590)	7231 (3280)				8995 (4080)	6460 (2930)	21-6 (6554)
-9 ft 10 in (-3.0 m)			23,788 (10,790)*	20,569 (9330)	15,697 (7120)	10,891 (4940)						11,574 (5250)	8245 (3740)	18-2 (5535)
-14 ft 9 in (-4.5 m)														

LIFT CAPACITIES – Dipper Length: 8 ft 9 in (2.70 m), 16 ft 9 in (5.15 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket.

JS160 LC

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)		Capacity at Max Reach			
	 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-in (mm)	
Load Point Height														
24 ft 7 in (7.5 m)												6217 (2820)*	6217 (2820)*	16-10 (5128)
19 ft 8 in (6.0 m)							8466 (3840)*	8264 (3750)				5512 (2500)*	5512 (2500)*	21-2 (6449)
14 ft 9 in (4.5 m)					10,979 (4980)*	10,979 (4980)*	10,163 (4610)*	8135 (3690)				5313 (2410)*	5313 (2410)	23-9 (7228)
9 ft 1 in (3.0 m)			21,230 (9630)*	21,230 (9630)*	14,043 (6370)*	11,993 (5440)	10,781 (4890)	7826 (3550)	7033 (3190)*	5578 (2530)		5379 (2440)*	5379 (2440)*	25-1 (7636)
4 ft 11 in (1.5 m)			11,155 (5060)*	11,155 (5060)*	16,094 (7300)	11,244 (5100)	10,428 (4730)	7496 (3400)	7496 (3400)	5423 (2460)		5732 (2600)*	5181 (2350)	25-4 (7732)
0 ft			14,088 (6390)*	14,088 (6390)*	15,587 (7070)	10,781 (4890)	10,141 (4600)	7231 (3280)	6945 (3150)*	5335 (2420)		6393 (2900)*	5313 (2410)	24-8 (7529)
-4 ft 11 in (-1.5 m)	12,677 (5750)*	12,677 (5750)*	22,201 (10,070)*	19,974 (9060)	15,410 (6990)	10,604 (4810)	10,031 (4550)	7121 (3230)				7716 (3500)*	5820 (2640)	23-0 (7000)
-9 ft 10 in (-3.0 m)	21,583 (9790)*	21,583 (9790)*	25,574 (11,600)*	20,260 (9190)	15,498 (7030)	10,715 (4860)	10,141 (4600)	7253 (3290)				10,031 (4550)	7165 (3250)	19-10 (6058)
-14 ft 9 in (-4.5 m)			18,673 (8470)*	18,673 (8470)*								12,324 (5590)*	11,398 (5170)	14-7 (4443)

LIFT CAPACITIES – Dipper Length: 10 ft 0 in (3.05 m), 16 ft 9 in (5.15 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket.

JS160 LC

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)		Capacity at Max Reach			
	 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-in (mm)	
Load Point Height														
24 ft 7 in (7.5 m)												5379 (2440)*	5379 (2440)*	18-9 (5707)
19 ft 8 in (6.0 m)								8554 (3880)*	8289 (3760)			4762 (2160)*	4762 (2160)*	22-9 (6916)
14 ft 9 in (4.5 m)								9392 (4260)*	8113 (3680)	5930 (2690)*	5600 (2540)	4564 (2070)*	4564 (2070)*	25-1 (7647)
9 ft 1 in (3.0 m)			18,739 (8500)*	18,739 (8500)*	12,963 (5880)*	11,993 (5440)	10,736 (4870)*	7760 (3520)	7562 (3430)	5490 (2490)		4564 (2070)*	4564 (2070)*	31-4 (8033)
4 ft 11 in (1.5 m)			13,404 (6080)*	13,404 (6080)*	16,028 (7270)	11,155 (5060)	10,318 (4680)	7385 (3350)	7385 (3350)	5313 (2410)		4784 (2170)*	4696 (2130)	31-8 (8124)
0 ft			13,536 (6140)*	13,536 (6140)*	15,388 (6980)	10,582 (4800)	9987 (4530)	7077 (3210)	7231 (3280)	5181 (2350)		5247 (2380)*	4784 (2170)	31-0 (7931)
-4 ft 11 in (-1.5 m)	10,781 (4890)*	10,781 (4890)*	19,886 (9020)*	19,511 (8850)	15,146 (6870)	10,362 (4700)	9833 (4460)	6923 (3140)				6129 (2780)*	5203 (2360)	24-5 (7431)
-9 ft 10 in (-3.0 m)	18,497 (8390)*	18,497 (8390)*	26,389 (11,970)*	19,753 (8960)	15,190 (6890)	10,406 (4720)	9877 (4480)	6989 (3170)				7959 (3610)*	6239 (2830)	21-6 (6553)
-14 ft 9 in (-4.5 m)			20,591 (9340)*	20,393 (9250)	13,955 (6330)*	10,780 (4890)						11,376 (5160)*	9105 (4130)	16-9 (5101)

 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 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.



JCB Headquarters Savannah, 2000 Bamford Blvd, Savannah, GA 31322 Tel: (912) 447-2000 Fax: (912) 447-2299 www.jcb.com

JCB reserves the right to change design, materials and/or specifications without notice. Specifications are applicable to units sold in the United States and Canada. The JCB logo is a registered trademark of J.C. Bamford Excavators Ltd.