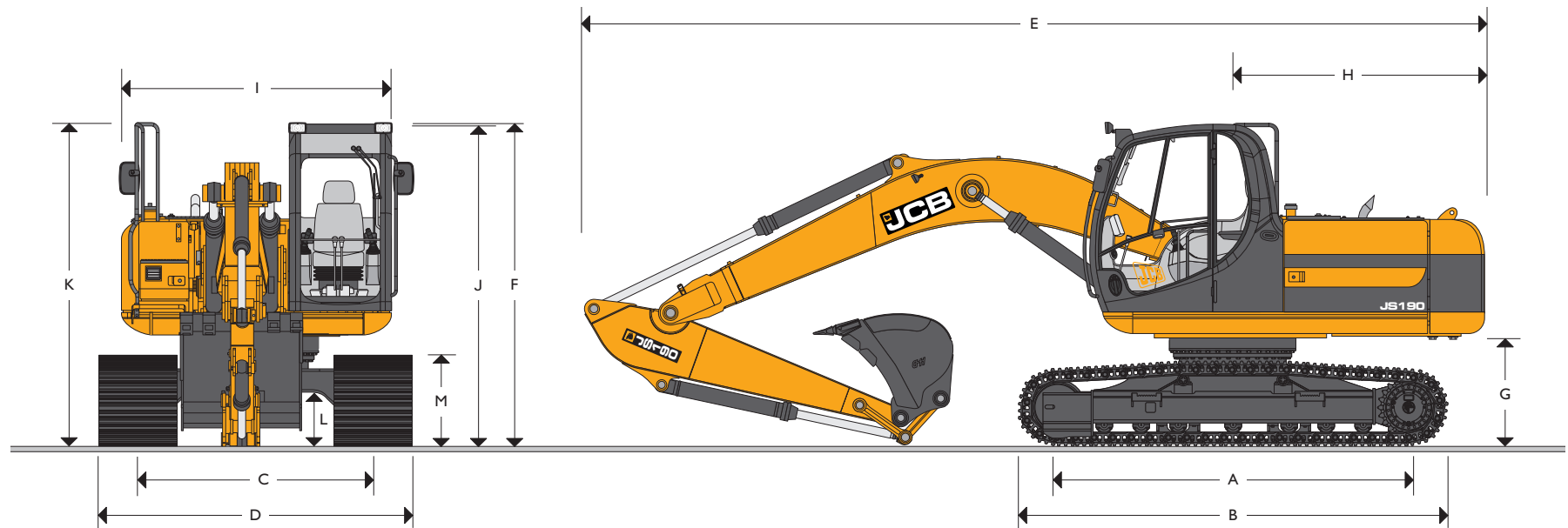




MAX OPERATING WEIGHT: 44,099 lb (20,003 kg) NET ENGINE POWER: 172 hp (128 kW)



STATIC DIMENSIONS – JS190 NLC/LC MONOBOOM

Dimensions in ft-in (mm)		NLC	LC
A	Track Length on Ground	11-1 (3370)	11-1 (3370)
B	Undercarriage Overall Length	13-8 (4170)	13-8 (4170)
C	Track Gauge	6-6 (1990)	7-2 (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)
Dipper Lengths		7 ft 5 in (2.25 m)	8 ft 10 in (2.7 m)
E	Transport Length with Monoboom	27-5 (8366)	27-4 (8326)
F	Transport Height with Monoboom	9-10 (3014)	9-10 (3014)

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

*Machine in Transport Position



ENGINE

Model:	Isuzu 4HKIX – Tier III emission compliant.
Type:	Watercooled, 4-stroke, 4-cylinder in-line, direct injection, turbocharged diesel.
Net Power (ISO 3046-1NF):	172 hp (128 kW) at 2,000 rpm.
Piston Displacement:	3.17 cu in (5.193 liters).
Injection:	Electrical governor.
Air Filtration:	Dry element with secondary safety element and in cab warning indicator.
Cooling:	Water cooler via large capacity radiator.
Starting System:	24 V – 4.5 kW.
Batteries:	2 x 12 V Heavy-duty.
Alternator:	24 V 40 amp.
Refueling Pump:	Electric type.

SWING SYSTEM

Swing Motor:	Axial piston.
Swing Brake:	Hydraulic braking plus automatic spring applied disc type parking brake.
Final Drive:	Planetary reduction.
Swing Speed:	10 rpm.
Swing Gear:	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing Lock:	Multi position switchable brake.

UNDERCARRIAGE

Carriage Options:	NLC-Narrow and LC-Long Carriage.
Construction:	Fully welded, "X" frame type with central bellyguarding and track motor guards. Sloping sidemembers with dirt relief holes under top rollers.
Recovery Point:	Front and rear.
Track Type:	Sealed and greased.
Track Shoe Options:	NLC – 20 in (500 mm), 24 in (600 mm), 28 in (700 mm). LC – 24 in (600 mm), 28 in (700 mm), 31.5 in (800 mm).
Upper and Lower Rollers:	Heat treated, sealed and lubricated.
Track Adjustment:	Grease cylinder type.
Track Idler:	Sealed and lubricated, with spring cushioned recoil.
NLC & LC	
No of Track Guides:	2 per side
No of Lower Rollers:	7 per side
No of Upper Rollers:	2 per side
No of Track Shoes:	46 per side

HYDRAULICS

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 42 gpm (2 x 160 l/min).
Servo Pump	Gear type.
Maximum Flow	4.6 gpm (17.5 l/min).
Fan Drive	Gear type.

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 and dipper services for greater speed and efficiency.

Relief Valve Settings:

Boom/Arm/Bucket:	4,610 lbf/sq in (314 bar)
Automatic 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:	580 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 rams.

Optional hose burst check valves available for boom and dipper 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 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.
Gradability:	70% (35 deg) continuous.
Travel Speed:	High – 3.4 mph (5.6 km/h). Mid – 2.1 mph (3.3 km/h). Low – 1.5 mph (2.5 km/h).
Tractive Effort:	32,372 lbf, 14,684 kgf (144 kN).



EXCAVATOR END – MONOBOOM

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 16ft 11in (5.15m) 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.

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. Optional climate control. 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 through front or top screens.

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 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:	All servo lever operated to ISO control pattern, independently adjustable to the seat.
Tracks:	Individually servo operated by foot pedal or hand lever. Speed selection via joystick button. Via servo operated foot pedal.
Auxiliary:	Via gate lock lever at cab entrance or panel switch.
Control Isolation:	Dial type throttle control plus servo lever mounted one-touch idle control or separate selectable auto-idle with adjustable time delay using AMS.
Engine Speed:	Ignition key operated and separate shut-down button.
Engine Stop:	Operated via servo lever mounted button.
Horn:	



SERVICE CAPACITIES

	Gal	Liters
Fuel Tank	66.8	253
Engine Coolant	4.6	16.4
Engine Oil	3.5	13.2
Swing Reduction Gear	1.56	6
Track Reduction Gear (each side)	1.16	4.4
Hydraulic System	37.5	142.0
Hydraulic Tank	19.3	73.0

WEIGHTS AND GROUND BEARING PRESSURES

JS190NLC – Machine equipped with 16ft 11 in (5.15m) Monoboom, 10ft (3.05m) Dipper, 1.18 cu.yd. (0.9m³) Bucket, operator and full fuel tank.

Shoe Width	Operating Weight	Bearing Pressure
20 in (500 mm)	42,809 lb (19,418 kg)	7.3 lb/sq in (0.51 kg/sq cm)
24 in (600 mm)	43,087 lb (19,544 kg)	6.1 lb/sq in (0.43 kg/sq cm)

JS190LC – Machine equipped with 16 ft 11 in (5.15 m) Monoboom, 10 ft (3.05 m) Dipper, 1.18 cu yd (0.9 cu m) Bucket, operator and full fuel tank.

Shoe Width	Operating Weight	Bearing Pressure
24 in (600 mm)	43,272 lb (19,628 kg)	6.1 lb/sq in (0.43 kg/sq cm)
28 in (700 mm)	44,055 lb (19,983 kg)	5.4 lb/sq in (0.38 kg/sq cm)

STANDARD EXCAVATING 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
24 in (600 mm)	0.46 cu yd (0.35 cu m)	937 lb (426 kg)
30 in (750 mm)	0.64 cu yd (0.49 cu m)	1056 lb (480 kg)
36 in (900 mm)	0.81 cu yd (0.62 cu m)	1155 lb (525 kg)
40 in (1000 mm)	0.94 cu yd (0.72 cu m)	1240 lb (564 kg)
48 in (1200 mm)	1.18 cu yd (0.90 cu m)	1392 lb (633 kg)

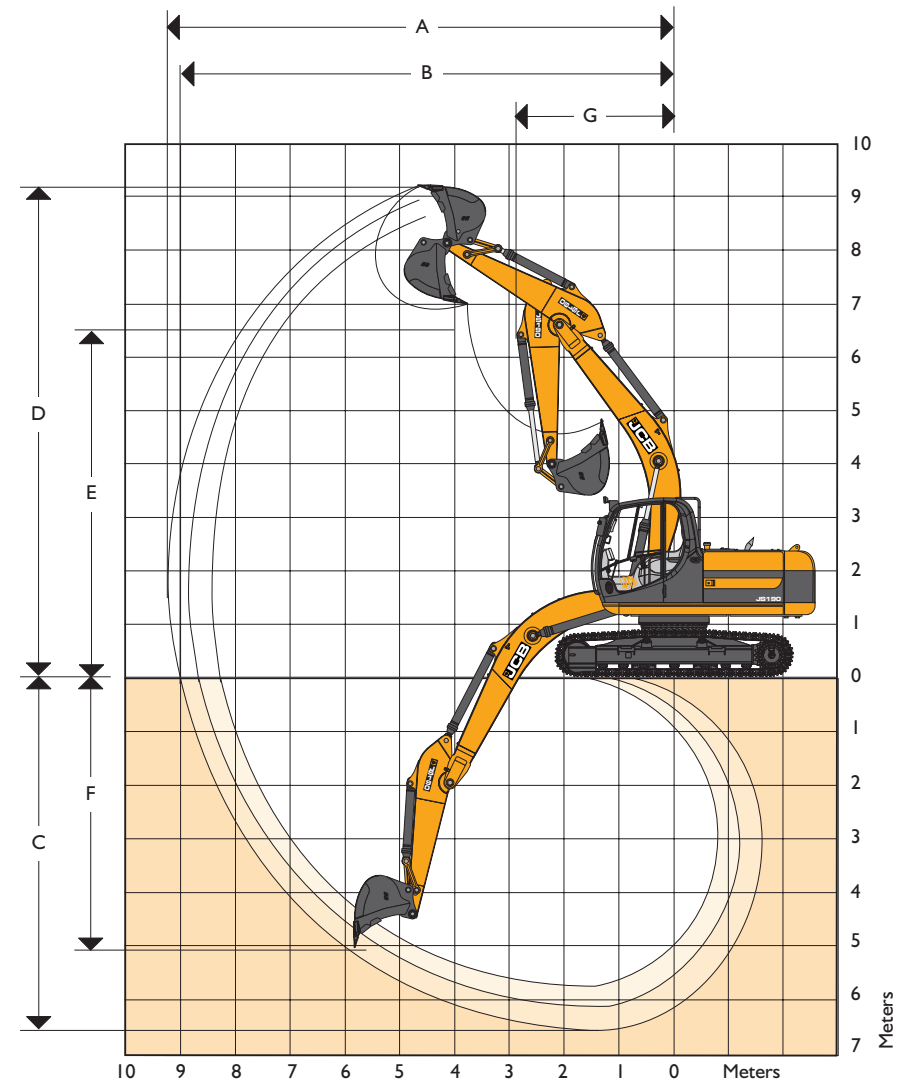
STANDARD / OPTIONAL EQUIPMENT

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 & screen demister; Tinted glass; Interior light; Coat hook; Cigarette lighter; Ashtray; Operator's storage shelf; 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; Undercarriage belly guarding; 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; Remote filter system. Climate control; ISO/SAE control pattern change over.













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; Biodegradable oil; Air suspension seat with heated pad and lumbar support adjustment; Electric refuelling pump; Track guides; Lower screen wiper; Radio; High and low temperature hydraulic oil option.

WORKING RANGE – JS190 NLC/LC MONOBOOM













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 (8514)
B Maximum Digging Reach (on ground)	ft-in (mm)	27-5 (8368)
C Maximum Digging Depth	ft-in (mm)	19-0 (5799)
D Maximum Digging Height	ft-in (mm)	30-9 (9398)
E Maximum Dumping Height	ft-in (mm)	23-1 (7048)
F Maximum Vertical Wall Cut Depth	ft-in (mm)	17-2 (5229)
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)	28-9 (8769)
C Maximum Digging Depth	ft-in (mm)	20-6 (6252)
D Maximum Digging Height	ft-in (mm)	31-8 (9663)
E Maximum Dumping Height	ft-in (mm)	24-0 (7321)
F Maximum Vertical Wall Cut Depth	ft-in (mm)	18-8 (5682)
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)	30-7 (9223)
B Maximum Digging Reach (on ground)	ft-in (mm)	29-10 (9088)
C Maximum Digging Depth	ft-in (mm)	21-8 (6598)
D Maximum Digging Height	ft-in (mm)	32-5 (9888)
E Maximum Dumping Height	ft-in (mm)	24-8 (7543)
F Maximum Vertical Wall Cut Depth	ft-in (mm)	19-9 (6028)
G Minimum Swing Radius	ft-in (mm)	9-10 (3000)
Bucket Rotation		182°
Maximum Dipper Tearout (ISO 5016)		lbf (kgf) 15,439 (7003)
Maximum Bucket Tearout (ISO 5016)		lbf (kgf) 26,104 (11,839)















LIFT CAPACITIES – Dipper Length: 7 ft 5 in (2.25 m), 16 ft 11 in (5.15 m) Monoboom, Trackshoes: 20 in (500 mm), No Bucket. **JS190 NLC MONO**

Reach	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		Capacity at Max Reach		
													
Load Point Height	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 (mm)
25 ft (7.5 m)											8598 (3900)*	8598 (3900)*	14.71 (4484)
20 ft (6.0 m)							8929 (4050)*	7981 (3620)			7385 (3350)*	7385 (3350)*	19.54 (5956)
15 ft (4.5 m)					12,170 (5520)*	12,081 (5480)	11,023 (5000)*	7848 (3560)			7055 (3200)*	6460 (2930)	22.29 (6795)
10 ft (3.0 m)					15,168 (6880)*	11,376 (5160)	12,192 (5530)*	7584 (3440)			7121 (3230)*	5754 (2610)	23.72 (7230)
5 ft (1.5 m)					18,056 (8190)*	10,714 (4860)	12,456 (5650)	7275 (3300)			7540 (3420)*	5534 (2510)	24.06 (7334)
0 m			11,574 (5250)*	11,574 (5250)*	18,960 (8600)	10,384 (4710)	12,236 (5550)	7077 (3210)			8444 (3830)*	5666 (2570)	23.36 (7122)
– 5 ft (– 1.5 m)	13,095 (5940)*	13,095 (5940)*	23,523 (10,670)*	18,938 (8590)	18,872 (8560)	10,318 (4680)	12,192 (5530)	7032 (3190)			10,274 (4660)*	6305 (2860)	21.52 (6562)
– 10 ft (– 3.0 m)			23,832 (10,810)*	19,290 (8750)	16,865 (7650)*	10,498 (4760)					12,583 (5830)*	8003 (3630)	18.20 (5548)
– 15 ft (– 4.5 m)													

LIFT CAPACITIES – Dipper Length: 8 ft 10 in (2.70 m), 16 ft 11 in (5.15 m) Monoboom, Trackshoes: 20 in (500 mm), No Bucket. **JS190 NLC MONO**

Reach	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		Capacity at Max Reach		
													
Load Point Height	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 (mm)
25 ft (7.5 m)											8620 (3910)*	6415 (2910)*	16.79 (5120)
20 ft (6.0 m)							8620 (3910)*	8135 (3690)			5704 (2590)*	5709 (2590)*	21.14 (6445)
15 ft (4.5 m)					11,001 (4990)*	11,001 (4990)*	10,207 (4630)*	7980 (3620)			5489 (2490)*	5489 (2490)*	23.71 (7227)
10 ft (3.0 m)			21,054 (9550)*	21,032 (9540)	14,021 (6360)*	11,552 (5240)	11,508 (5220)*	7650 (3470)	7231 (3280)*	5511 (2500)	5577 (2530)*	5335 (2420)	25.05 (7637)
5 ft (1.5 m)			11,420 (5180)*	11,420 (5180)*	17,152 (7780)*	10,871 (4890)	12,500 (5670)	7297 (3310)	8994 (4080)*	5357 (2430)	5908 (2680)*	5136 (2330)	25.37 (7735)
0 m			14,242 (6460)*	14,242 (6460)*	18,894 (8570)	10,317 (4680)	12,192 (5530)	7054 (3200)	7209 (3270)*	5269 (2390)	6569 (2980)*	5224 (2370)	24.71 (7534)
– 5 ft (– 1.5 m)	12,809 (5810)*	12,809 (5810)*	22,333 (10,130)*	18,541 (8410)	18,717 (8490)	10,163 (4610)	12,081 (5480)	6945 (3150)			7870 (3570)*	5732 (2600)	22.99 (7008)
– 10 ft (– 3.0 m)	21,694 (9840)*	21,694 (9840)*	25,507 (11,570)*	18,850 (8550)	17,747 (8050)*	10,274 (4660)	12,236 (5550)	7077 (3210)			10,780 (4890)*	6988 (3170)	19.91 (6070)
– 15 ft (– 4.5 m)			18,717 (8490)*	18,717 (8490)							12,367 (5610)*	10,934 (4960)	14.55 (4463)

LIFT CAPACITIES – Dipper Length: 10 ft (3.05 m), 16 ft 11 in (5.15 m) Monoboom, Trackshoes: 20 in (500 mm), No Bucket. **JS190 NLC MONO**

Reach	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		Capacity at Max Reach		
													
Load Point Height	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 (mm)
25 ft (7.5 m)											5357 (2430)*	5357 (2430)*	18.31 (5581)
20 ft (6.0 m)							8311 (3770)*	8135 (3690)			4806 (2180)*	4806 (2180)*	22.36 (6816)
15 ft (4.5 m)							9502 (4310)*	7959 (3610)	5202 (2360)*	5202 (2360)*	4651 (2110)*	4651 (2110)*	24.79 (7559)
10 ft (3.0 m)			18,805 (8530)*	18,805 (8530)*	13,051 (5920)*	11,640 (5280)	10,869 (4930)*	7650 (3470)	8201 (3720)*	5445 (2470)	4717 (2140)*	4717 (2140)*	26.08 (7951)
5 ft (1.5 m)			15,499 (7030)*	15,499 (7030)*	16,402 (7440)*	10,847 (4920)	12,478 (5660)	7275 (3300)	8950 (4060)	5291 (2400)	5004 (2270)*	4761 (2160)	26.39 (8045)
0 m			15,036 (6820)*	15,036 (6820)*	18,651 (8460)*	10,318 (4680)	12,148 (5510)	6989 (3170)	8796 (3990)	5758 (2340)	5555 (2520)*	4890 (2200)	25.76 (7853)
– 5 ft (– 1.5 m)	11,883 (5390)*	11,883 (5390)*	21,164 (9600)*	18,475 (8380)	18,651 (8460)	10,097 (4580)	11,993 (5440)	6856 (3110)			6591 (2990)*	5269 (2390)	24.11 (7350)
– 10 ft (– 3.0 m)	19,335 (8770)*	19,335 (8770)*	26,610 (12,070)*	18,695 (8480)	18,210 (8260)*	10,141 (4600)	12,059 (5470)	6900 (3130)			8774 (3980)*	6305 (2860)	21.20 (6463)
– 15 ft (– 4.5 m)			20,856 (9460)*	19,290 (8750)	14,154 (6420)*	10,516 (4770)					12,147 (5510)*	9153 (4170)	16.36 (4987)



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 5 in (2.25 m), 16 ft 11 in (5.15 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. JS190 LC MONO**

Reach	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		Capacity at Max Reach		
													ft (mm)
Load Point Height	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	
25 ft (7.5 m)											8598 (3900)*	8598 (3900)*	14.71 (4484)
20 ft (6.0 m)											7385 (3350)*	7385 (3350)*	19.54 (5956)
15 ft (4.5 m)					12,170 (5520)*	12,170 (5520)*	11,023 (5000)*	8796 (3990)			7099 (3220)*	7055 (3200)*	22.29 (6795)
10 ft (3.0 m)					15,168 (6880)*	12,831 (5820)	12,192 (5530)*	8510 (3860)			7121 (3230)*	6482 (2940)	23.72 (7230)
5 ft (1.5 m)					18,056 (8190)*	12,170 (5520)	12,853 (5830)	8223 (3730)			7540 (3420)*	6217 (2820)	24.06 (7334)
0 m			11,574 (5250)*	11,574 (5250)*	19,467 (8830)*	11,817 (5360)	12,632 (5730)	8002 (3630)			8444 (3830)*	6393 (2900)	23.36 (7122)
- 5 ft (- 1.5 m)	13,095 (5940)*	3095 (5940)*	23,523 (10,670)*	21,980 (9970)	19,202 (8710)*	11,751 (5330)	12,588 (5710)	7959 (3610)			10,274 (4660)*	7121 (3230)	21.52 (6562)
- 10 ft (- 3.0 m)			23,832 (10,810)*	22,333 (10,130)	16,865 (7650)*	11,927 (5410)					12,853 (5830)*	9039 (4100)	18.20 (5548)
- 15 ft (- 4.5 m)													

LIFT CAPACITIES – Dipper Length: 8 ft 10 in (2.70 m), 16 ft 11 in (5.15 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. JS190 LC MONO

Reach	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		Capacity at Max Reach		
													ft (mm)
Load Point Height	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	
25 ft (7.5 m)											6415 (2910)*	6415 (2910)*	16.79 (5120)
20 ft (6.0 m)							8620 (3910)*	8620 (3910)*			5710 (2590)*	5710 (2590)*	21.14 (6445)
15 ft (4.5 m)					11,001 (4990)*	11,001 (4990)*	10,207 (4630)*	8929 (4050)			5490 (2490)*	5490 (2490)*	23.71 (7227)
10 ft (3.0 m)					14,021 (6360)*	13,007 (5900)	11,508 (5220)*	8598 (3900)	7231 (3280)*	6195 (2810)	5578 (2530)*	5578 (2530)*	25.05 (7637)
5 ft (1.5 m)					21,054 (9550)*	21,054 (9550)*	17,152 (7780)*	12,236 (5550)	12,897 (5850)	8245 (3740)	8995 (4080)*	6041 (2740)	25.37 (7735)
0 m					14,242 (6460)*	14,242 (6460)*	19,048 (8640)*	11,751 (5330)	12,588 (5710)	7981 (3620)	7209 (3270)*	5952 (2700)	24.71 (7534)
- 5 ft (- 1.5 m)	12,809 (5810)*	12,809 (5810)*	22,333 (10130)*	21,561 (9780)	19,312 (8760)	11,596 (5260)	12,478 (5660)	7870 (3570)			7870 (3570)*	6482 (2940)	22.99 (7008)
- 10 ft (- 3.0 m)	21,693 (9840)*	21,693 (9840)*	25,507 (11570)*	21,891 (9930)	17,747 (8050)*	11,707 (5310)	12,610 (5720)*	8003 (3630)			10,781 (4890)*	7893 (3580)	19.91 (6070)
- 15 ft (- 4.5 m)			18,717 (8490)*	18,717 (8490)*							12,368 (5610)*	12,368 (5610)*	14.55 (4463)

LIFT CAPACITIES – Dipper Length: 10 ft (3.05 m), 16 ft 11 in (5.15 m) Monoboom, Trackshoes: 28 in (700 mm), No Bucket. JS190 LC MONO

Reach	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		Capacity at Max Reach		
													ft (mm)
Load Point Height	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	
25 ft (7.5 m)											5357 (2430)*	5357 (2430)*	18.31 (5581)
20 ft (6.0 m)											4806 (2180)*	4806 (2180)*	22.36 (6816)
15 ft (4.5 m)							8311 (3770)*	8311 (3770)*			4806 (2180)*	4806 (2180)*	22.36 (6816)
10 ft (3.0 m)							9502 (4310)*	8907 (4040)	5203 (2360)*	5203 (2360)*	4652 (2110)*	4652 (2110)*	24.79 (7559)
5 ft (1.5 m)							10,869 (4930)*	8576 (3890)	8201 (3720)*	6129 (2780)	4718 (2140)*	4718 (2140)*	26.08 (7951)
0 m							12,500 (5670)*	8201 (3720)	9237 (4190)	5975 (2710)	5004 (2270)*	5004 (2270)*	26.39 (8045)
- 5 ft (- 1.5 m)	11,883 (5390)*	1883 (5390)*	18,805 (8530)*	18,805 (8530)*	13,051 (5920)*	13,051 (5920)*	10,869 (4930)*	8576 (3890)	8201 (3720)*	6129 (2780)	4718 (2140)*	4718 (2140)*	26.08 (7951)
- 10 ft (- 3.0 m)	19,335 (8770)*	19,335 (8770)*	15,498 (7030)*	15,498 (7030)*	16,402 (7440)*	12,302 (5580)	12,500 (5670)*	8201 (3720)	9237 (4190)	5975 (2710)	5004 (2270)*	5004 (2270)*	26.39 (8045)
- 15 ft (- 4.5 m)			15,036 (6820)*	15,036 (6820)*	18,651 (8460)*	11,751 (5330)	12,544 (5690)	7915 (3590)	9105 (4130)	5842 (2650)	5556 (2520)*	5490 (2490)	25.76 (7853)
			21,164 (9600)*	21,164 (9600)*	19,268 (8740)	11,530 (5230)	12,392 (5620)	7782 (3530)			6592 (2990)*	5975 (2710)	24.11 (7350)
			26,610 (12,070)*	21,738 (9860)	18,210 (8260)*	11,574 (5250)	12,456 (5650)	7826 (3550)			8774 (3980)*	7143 (3240)	21.20 (6463)
			20,856 (9460)*	20,856 (9460)*	14,154 (6420)*	11,949 (5420)					12,147 (5510)*	10,406 (4720)	16.36 (4987)



Lift Capacity Front and Rear



Lift Capacity Full Circle

Notes:

- For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
- 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.
- Lift capacities assume that the machine is on firm, level ground.
- Lift capacities may be limited by local regulations. Please refer to your dealer.



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