

ENGINE

Model	Isuzu AJ-4JJ1X, Tier III certified
Type	4-stroke, turbocharged
Cylinders	4
Bore/Stroke	3.76 in x 4.13 in (95.4 x 104.9 mm)
Displacement	183 in ³ (2999 cc)
Fuel injection	Direct
Fuel injection pump	Electronic
Fuel	Diesel
Fuel filter	In-line strainer
Cooling	Liquid
Horsepower per SAE J1349	
Net	95 hp (70.9 kW) @ 2000 rpm
Maximum torque @ 1600 rpm	
Net	265 lb-ft (359 N·m)

BOOM/ARM

Boom 15 ft 6 in (4.73 m)

Boom w/arm cylinder & plumbing	2,147 lb (974 kg)
Hoist cylinders(2)	269 lb (122 kg) ea
Total weight	2,686 lb (1218 kg)

9 ft 4 in Arm (2.85 m)

Bare arm	853 lb (387 kg)
Bucket cylinder linkage & plumbing	479 lb (217 kg)
Total weight	1,332 lb (604 kg)

7 ft 10 in Arm (2.39 m)

Bare arm	669 lb (304 kg)
Bucket cylinder linkage & plumbing	479 lb (217 kg)
Total weight	1,148 lb (521 kg)

UNDERCARRIAGE

Number of top rollers	
Top, each track	1
Bottom, each track	6
Number of shoes	
Triple grouser – each track	43
Link pitch	6.75 in (171.5 mm)
Gradeability	70%

HYDRAULICS

Pumps (2)	Variable displacement axial piston design
Capacity –	
Maximum	2 x 31.0 gpm (117.2 L/min)
System relief pressure –	
Standard	4,975 psi (34.3 MPa)
Control valves –	
1-spool blade (optional)	
4-spool section for left track travel, boom, bucket and arm	
5-spool section for right track travel, boom, auxiliary, swing and arm	
Boom and arm anti-drift valves	
Pilot control hydraulic system –	
Pump (1)	Gear design
Maximum capacity	5.3 gpm (20 L/min)
Relief pressure	566 psi (3.9 MPa)
Swing –	
Motor (1)	Fixed displacement axial piston design
Speed	0-10.0 rpm
Brake	Mechanical disc
Travel –	
Motor (2)	Two-speed axial piston design
Final drive	Planetary gear reduction
Drawbar pull	25,853 lb (115 kN)
Travel Speeds – 2	
Auto shift high to low	Forward/Reverse
Low	1.9 mph (3.1 km/h)
High	3.1 mph (5.0 km/h)
Travel control valve –	
Dual stage relief and counter-balance design	

HYDRAULIC CYLINDERS

Boom cylinders (2) –	
Bore diameter	4.1 in (105 mm)
Rod diameter	3.0 in (75 mm)
Stroke	44.1 in (1120 mm)
Arm cylinder (1) –	
Bore diameter	4.5 in (115 mm)
Rod diameter	3.1 in (80 mm)
Stroke	43.6 in (1108 mm)
Bucket cylinder (1) –	
Bore diameter	3.7 in (95 mm)
Rod diameter	2.6 in (65 mm)
Stroke	34.7 in (881 mm)

ELECTRICAL

Voltage	24 volts, negative ground
Alternator	50 amp
Batteries (2)12V	Low-maintenance 72 Ah (5 hr rate)

SERVICE CAPACITIES

Hydraulic tank	
Refill capacity	21 gal (81 L)
Total system	34 gal (130 L)
Final drive (per side)	2.2 qt (2.1 L)
Swing drive	3.2 qt (3.0 L)
Engine	
w/filter change	18.2 qt (17.2 L)
Fuel	44 gal (165 L)
Radiator	14.9 qt (14.1 L)

OPERATING WEIGHT

With 7 ft 10 in (2.39 m) arm, 23.6 in (600 mm) track shoes, 750 lb (340 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment 29,631 lb (13 440 kg)

LIFT CAPACITIES

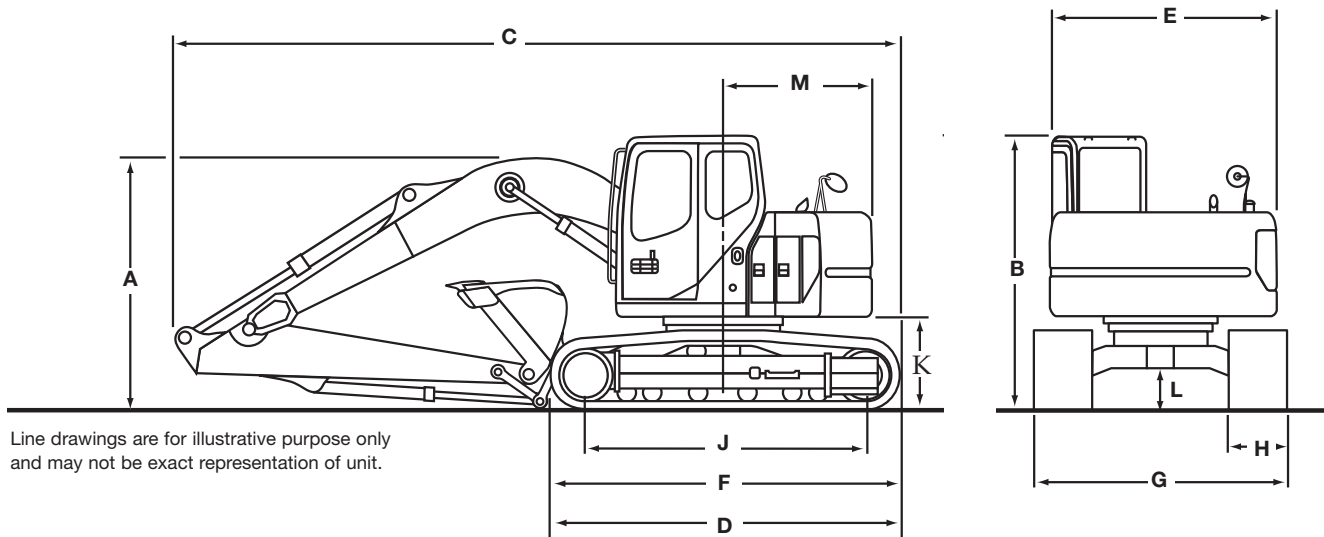
9 ft 4 in (2.85 m) Arm Lift capacities calculated using a 750 lb (340 kg) bucket and 7,099 lb (3220 kg) counterweight in "Standard" Mode.

Load (Lift Point) Height	5 ft (1.52 m)		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.1 m)		25 ft (7.62 m)		MAXIMUM REACH			
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE	
+25 ft (7.62 m)												18 ft 3 in (5.56 m)	3,750 lb* (1701 kg)*	3,750 lb* (1701 kg)*
+20 ft (6.1 m)					6,750 lb* (3062 kg)*	6,750 lb* (3062 kg)*						23 ft 0 in (7.01 m)	3,350 lb* (1520 kg)*	3,350 lb* (1520 kg)*
+15 ft (4.57 m)					7,600 lb* (3447 kg)*	7,350 lb* (3334 kg)*	6,300 lb (2858 kg)	4,450 lb (2018 kg)				25 ft 8 in (7.82 m)	3,200 lb* (1451 kg)*	2,800 lb* (1270 kg)*
+10 ft (3.05)	*		11,700 lb* (5307 kg)*	11,700 lb* (5307 kg)*	9,550 lb* (4332 kg)*	7,000 lb (3175 kg)	6,100 lb (2767 kg)	4,300 lb (1950 kg)				27 ft 0 in (8.23 m)	3,300 lb* (1497 kg)*	2,400 lb (1089 kg)
+5 ft (1.52 m)			17,750 lb* (8051 kg)*	12,150 lb (5511 kg)	9,300 lb (4218 kg)	6,400 lb (2903 kg)	5,800 lb (2631 kg)	4,000 lb (1814 kg)	4,000 lb (1817 kg)	2,700 lb (1255 kg)		27 ft 3 in (8.31 m)	3,450 lb (1565 kg)	2,300 lb (1043 kg)
Ground- line			17,450 lb (7915 kg)	10,900 lb (4944 kg)	8,750 lb (3969 kg)	5,850 lb (2654 kg)	5,550 lb (2517 kg)	3,750 lb (1701 kg)	3,900 lb (1769 kg)	2,600 lb (1179 kg)		26 ft 5 in (8.05 m)	3,550 lb (1610 kg)	2,350 lb (1066 kg)
-5 ft (-1.52 m)	10,800 lb* (4899 kg)*	10,800 lb* (4899 kg)*	17,000 lb (7711 kg)	10,600 lb (4808 kg)	8,450 lb (3833 kg)	5,600 lb (2540 kg)	5,400 lb (2449 kg)	3,600 lb (1633 kg)				24 ft 5 in (7.44 m)	4,000 lb (1814 kg)	2,650 lb (1202 kg)
-10 ft (-3.05 m)	16,550 lb* (7507 kg)*	16,550 lb* (7507 kg)*	17,000 lb (7711 kg)	10,700 lb (4853 kg)	8,400 lb (3810 kg)	5,500 lb (2517 kg)	5,400 lb (2449 kg)	3,600 lb (1633 kg)				20 ft 10 in (6.35 m)	5,200 lb (2359 kg)	3,500 lb (1588 kg)
-15 ft (-4.57 m)	18,600 lb* (8437 kg)*	18,600 lb* (8437 kg)*	12,050 lb* (5466 kg)*	10,950 lb* (4967 kg)	7,900 lb* (3583 kg)*	5,800 lb (2631 kg)								

7 ft 10 in (2.39 m) Arm Lift capacities calculated using a 750 lb (340 kg) bucket and 7,099 lb (3220 kg) counterweight in "Standard" Mode.

Load (Lift Point) Height	5 ft (1.52 m)		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.1 m)		MAXIMUM REACH				
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE		
+25 ft (7.62 m)										16 ft 4 in (4.98 m)	3,565 lb* (1617 kg)*	3,565 lb* (1617 kg)*	
+20 ft (6.1 m)					6,965 lb* (3159 kg)*	6,965 lb* (3159 kg)*					21 ft 6 in (6.55 m)	3,065 lb* (1390 kg)*	3,065 lb* (1390 kg)*
+15 ft (4.57 m)					8,765 lb* (3976 kg)*	7,349 lb (3333 kg)	6,249 lb (2834 kg)	4,449 lb (2018 kg)			24 ft 4 in (7.42 m)	2,915 lb* (1322 kg)*	2,915 lb* (1322 kg)*
+10 ft (3.05)			14,265 lb* (6470 kg)*	13,499 lb (6123 kg)	9,899 lb (4490 kg)	6,899 lb (3129 kg)	6,099 lb (2766 kg)	4,299 lb (1950 kg)			25 ft 9 in (7.85 m)	2,915 lb* (1322 kg)*	2,699 lb (1224 kg)
+5 ft (1.52 m)			18,459 lb (8414 kg)	11,849 lb (5375 kg)	9,249 lb (4195 kg)	6,349 lb (2880 kg)	5,849 lb (2653 kg)	4,049 lb (1837 kg)			26 ft 0 in (7.92 m)	3,115 lb* (1413 kg)*	2,549 lb (1156 kg)
Ground- line			17,299 lb (7847 kg)	10,889 lb (4944 kg)	8,799 lb (3991 kg)	5,899 lb (2676 kg)	5,649 lb (2562 kg)	3,849 lb (1746 kg)			25 ft 2 in (7.67 m)	3,465 lb* (1572 kg)*	2,649 lb (1202 kg)
-5 ft (-1.52 m)	11,515 lb* (5223 kg)*	11,515 lb* (5223 kg)*	17,249 lb (7824 kg)	10,799 lb (4898 kg)	8,549 lb (3878 kg)	5,699 lb (2585 kg)	5,499 lb (2494 kg)	3,749 lb (1701 kg)			23 ft 1 in (7.04 m)	4,115 lb* (1866 kg)*	3,049 lb (1383 kg)
-10 ft (-3.05 m)	18,465 lb* (8376 kg)*	18,465 lb* (8376 kg)*	16,365 lb* (7423 kg)*	10,999 lb (4898 kg)	8,599 lb (3900 kg)	5,749 lb (2608 kg)					19 ft 2 in (5.84 m)	5,565 lb* (2524 kg)*	4,149 lb (1882 kg)
-15 ft (-4.57 m)			9,665 lb* (4384 kg)*	9,665 lb* (4384 kg)*									

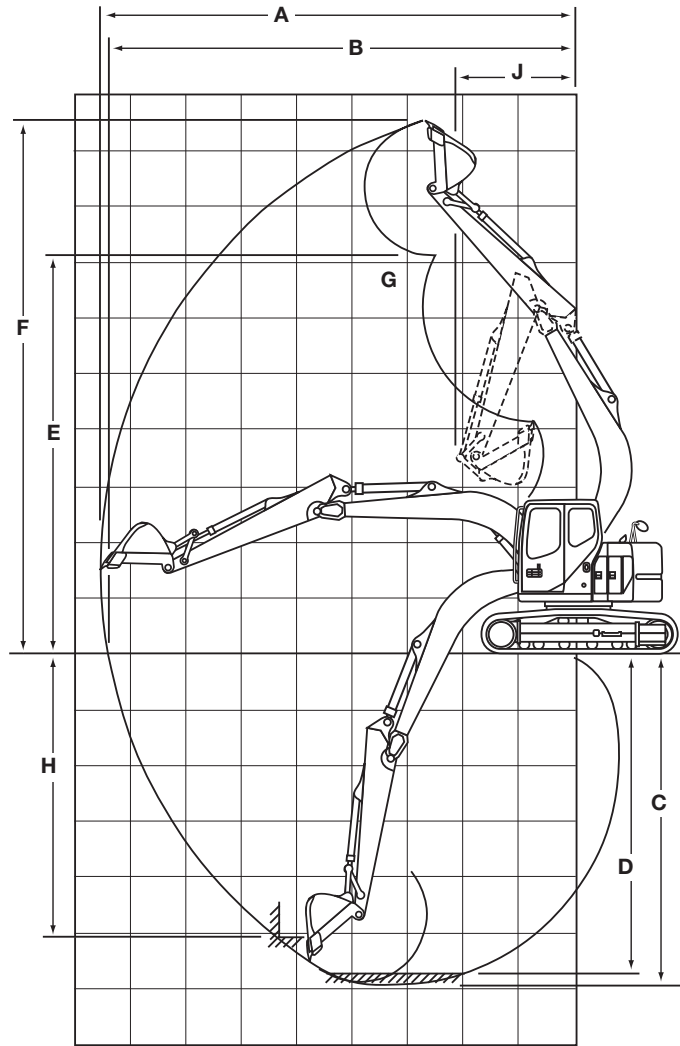
NOTE: *Lift capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity.
Capacities that are marked with an asterisk are hydraulic limited.



DIMENSIONS

	9 ft 4 in (2.85 m) Arm	7 ft 10 in (2.39 m) Arm
A. Overall height	9 ft 0 in (2.75 m)	9 ft 0 in (2.75 m)
B. Cab height	9 ft 0 in (2.75 m)	9 ft 0 in (2.75 m)
C. Overall length	23 ft 9 in (7.23 m)	23 ft 9 in (7.23 m)
D. w/o attachment	11 ft 6 in (3.51 m)	11 ft 6 in (3.51 m)
E. Width of upperstructure	7 ft 11 in (2.42 m)	7 ft 11 in (2.42 m)
F. Track overall length	11 ft 6 in (3.51 m)	11 ft 6 in (3.51 m)
G. Track overall width w/23.6 in (600 mm) shoes	8 ft 6 in (2.59 m)	8 ft 6 in (2.59 m)
H. Track shoe width	23.6 in (600 mm)	23.6 in (600 mm)
J. Center to center (idler to sprocket)	9 ft 2 in (2.79 m)	9 ft 2 in (2.79 m)
K. Upperstructure ground clearance	2 ft 11 in (0.88 m)	2 ft 11 in (0.88 m)
L. Minimum ground clearance	1 ft 5 in (0.44 mm)	1 ft 5 in (0.44 mm)
M. Tail swing radius	4 ft 10 in (1.48 m)	4 ft 10 in (1.48 m)
Working weight*	29,814 lb (13 523 kg)	29,631 lb (13 440 kg)
Ground pressure	5.3 psi (36 kPa)	5.3 psi (36 kPa)

*With 23.6 in (600 mm) track shoe, 750 lb (340 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

	9 ft 4 in (2.85 m) Arm	7 ft 10 in (2.39 m) Arm
A. Maximum dig radius	28 ft 1 in (8.57 m)	26 ft 11 in (8.21 m)
B. Dig radius at groundline	27 ft 8 in (8.43 m)	26 ft 6 in (8.07 m)
C. Maximum dig depth	19 ft 5 in (5.91 m)	17 ft 11 in (5.47 m)
D. Dig depth - 8 ft 0 in (2.44 m) level bottom	18 ft 9 in (5.72 m)	17 ft 3 in (5.25 m)
E. Dump height	23 ft 5 in (7.13 m)	22 ft 8 in (6.91 m)
F. Overall reach height	31 ft 3 in (9.52 m)	30 ft 6 in (9.31 m)
G. Bucket rotation	178°	178°
H. Vertical straight wall dig depth	16 ft 8 in (5.08 m)	15 ft 11 in (4.85 m)
J. Minimum swing radius	7 ft 4 in (2.23 m)	5 ft 10 in (1.78 m)
Arm digging force		
Standard	13,399 lb (59.6 kN)	14,365 lb (63.9 kN)
Bucket digging force		
Standard	20,165 lb (89.7 kN)	20,165 lb (89.7 kN)

STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT

Cab with Isomount® system
 Adjustable deluxe seat with
 3 in (76 mm) seat belt
 Safety glass
 Air conditioning
 AM/FM Radio w/auto tuner
 Skylight
 Sliding front windows
 Windshield wiper w/washer

ENGINE

Isuzu AJ-4JJ1X turbocharged diesel
 Tier III certified
 Glow plug
 Selectable one touch accelerator/decelerator

ELECTRICAL

Batteries (2) 12V
 Horn, dual

HYDRAULICS

ISO pattern pilot controls
 Position mode selector: S, E
 Variable flow piston pumps
 Neutral pump destroke
 Auxiliary hydraulic valve
 Boom and arm anti-drift valves
 Ultra Clean filtration system

UNDERCARRIAGE

Shoes: 23.6 in (600 mm) 3-bar, 43 per side
 Track length: 11 ft 6 in (3.51 m)
 Track gauge: 6 ft 6 in (1.99 m)

TRACK DRIVE

2-speed hydrostatic travel
 Straight tracking travel priority
 Disc-type parking brakes

UPPERSTRUCTURE

Boom: 15 ft 6 in (4.73 m) one piece
 Hammer adaptable, no reinforcing required
 Swing brake

OTHER

Counterweight: 7,099 lb (3220 kg)
 Single key vandal lockup

OPTIONAL EQUIPMENT

UPPERSTRUCTURE

Arm: 9 ft 4 in (2.85 m)

UPPERCARRIAGE

Track Shoes: 28 in (700 mm)
 Rubber Link Track
 Dozer blade
 Width: 8 ft 2 in (2.49 m)
 Height: 1 ft 10 in (.57 m)

HYDRAULICS

Auxiliary hydraulics
 Single acting, one pump
 Double acting, single or dual pump
 (includes heavy-duty bucket linkage)
 Double acting general purpose
 for use with thumb kit
 Control pattern selector valve

OTHER

Load holding control devices
 Cylinder mounted
 Case/JRB Slide-Loc* Hydraulic
 Coupler

BUCKETS

Application	Width	SAE Heaped Capacity
General Purpose	24 in thru 42 in (0.6 m thru 1.067 m)	0.50 yd ³ thru 0.98 yd ³ (0.40 m ³ thru 0.75 m ³)
Heavy-duty	24 in thru 39 in (0.6 m thru 1.00 m)	0.50 yd ³ thru 0.89 yd ³ (0.38 m ³ thru 0.68 m ³)
Ditching	60 in thru 66 in (1.52 m thru 1.68 m)	0.86 yd ³ thru 0.96 yd ³ (0.57 m ³ thru 0.67 m ³)

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NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: CNH America LLC reserves the right to change these specifications without notice and without incurring any obligation relating to such change. CNH America LLC does not warrant the safety or reliability of attachments from other manufacturers.

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