



ENGINE

Model	Isuzu AQ-4HK1X
Emissions Certification	Tier 4 Final
Fuel	Requires ultra-low sulfur fuel B5 biodiesel tolerant
Type	Water-cooled, 4-cycle diesel, high pressure common rail system – electric control, VGT Turbocharger w/ air cooled intercooler, SCR system
Cylinders	4-cylinder in-line
Displacement	317 in ³ (5.2 L)
Bore/Stroke	4.53 x 4.92 in (115 x 125 mm)
Fuel injection	Direct injection – electronic
Fuel filter	Replaceable, full flow spin-on cartridge
Air filter	Dry type element w/ warning restriction indicator
Oil filter	Replaceable, full flow spin-on cartridge
Engine gradeability:	
Side-to-side	35°
Fore and aft	35°
Net horsepower – SAE J1349 @ 2000 RPM:	177 hp (132.1 kW)
Net max. torque – SAE J1349 @ 1800 RPM:	458 lbf-ft (621 N·m)
Cooling operating range:	113° to -4°F (45° to -20°C)
Oil	Requires low-ash oil CJ-4

DRIVETRAIN

Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc – each motor
Two speed travel:	
Max. high speed	3.4 mph (5.5 km/h)
Max. low speed	2.2 mph (3.2 km/h)
Automatic downshift	3.5
Drawbar pull	44,962 lbf (200 kN)
Gradeability	70% – 35° Slope

ELECTRICAL

Voltage	24 Volts
Alternator rating	50 amp
Batteries	2 x 12 Volt
Battery reserve capacity	92 Ah/5 hour
Work lights – 4	24 Volt/70 watt
1 boom, 1 upper, 2 cab	

OPERATOR ENVIRONMENT

Air conditioner output	18,100 BTU/hr
Heater output	20,150 BTU/hr
Sound level inside cab – ISO6395	70 dBA
Electrical outlet	12 Volt
Cab interior light	10 watt
Rear view camera	Standard
Seat	Air-suspension, heated and 65° tiltable
Monitor:	
Rear view and side view – optional camera display; Mode 1: work mode; Travel mode; Attachment selection; Auto idle indicator; Fuel consumption gauge; Power boost icon; Fuel bar graph; Oil temperature bar graph; DEF/AdBlue bar graph; Auto glow indicator; Auxiliary mode display; Hour meter; Camera angle indicator; Mode 2: free swing/swing lock indicator; Light icon; Wiper icon; Mute icon; Seat belt icon; Warning messages; Time and date; Water temperature bar graph; DEF/AdBlue refill icon; Anti-theft icon; DTC indicator; Low output icon; SCR cleaning icon; SCR warning icons; Freeze protection; Trip meter; Pressure reading.	

Seat:

High-back seat w/ heat and air suspension; Adjustments: 65° tilt, manual weight, seat height headrest, lumbar support, backrest angle, pivoting armrests linked to consoles; Retractable seat belt and control consoles adjust independently of seat.

ATTACHMENT

Boom	19 ft 2 in (5.85 m)
Arm options:	
Standard	9 ft 10 in (3.00 m)
Short	8 ft 2 in (2.50 m)
Long	11 ft 6 in (3.52 m)
Bucket digging force*	36,419 lbf (162 kN)
w/ Auto Power-Boost	39,566 lbf (176 kN)

NOTE: *Digging force ratings based on ISO6015.

OPERATING WEIGHT

Operating weight	56,909 lb (25 814 kg)
w/ shoes	2 ft 7 in (800 mm)
w/ boom	19 ft 2 in (5.85 m)
w/ arm	9 ft 10 in (3.00 m)
w/ bucket	1,786 lb (810 kg)
w/ counterweight	11,508 lb (5 220 kg)

NOTE: W/ operator/full fuel/standard equipment.

GROUND PRESSURE

@ Standard operating weight 5.5 psi (0.38 bar)
w/ 31.5 in (800 mm) triple semi-grouser shoes

HYDRAULICS

System design	Open center
Main pumps	Two-variable displacement/ axial piston
Max. rated flow	61.8 gpm (234 L/min)
System pressures:	
Boom, arm and bucket	4,975 psi (343 bar)
w/ Power Boost	5,410 psi (373 bar)
Travel circuits	4,975 psi (343 bar)
Swing circuits	4,192 psi (289 bar)
Pilot pump	1 x gear design
Max. capacity	5.3 gpm (20 L/min)
Controls	w/ boom/arm holding valve
Right track travel, bucket, boom and arm acceleration.	1 x Four-spool section
Left track travel, auxiliary, swing, boom and arm acceleration.	1 x Five-spool section
Work mode selections	SP: Speed Priority H: Heavy-Duty A: Automatic
Swing motor	Fixed displacement axial piston
Swing final drive	Planetary gear reduction
Travel motor	Two-speed independent travel/axial piston

HYDRAULIC CYLINDERS

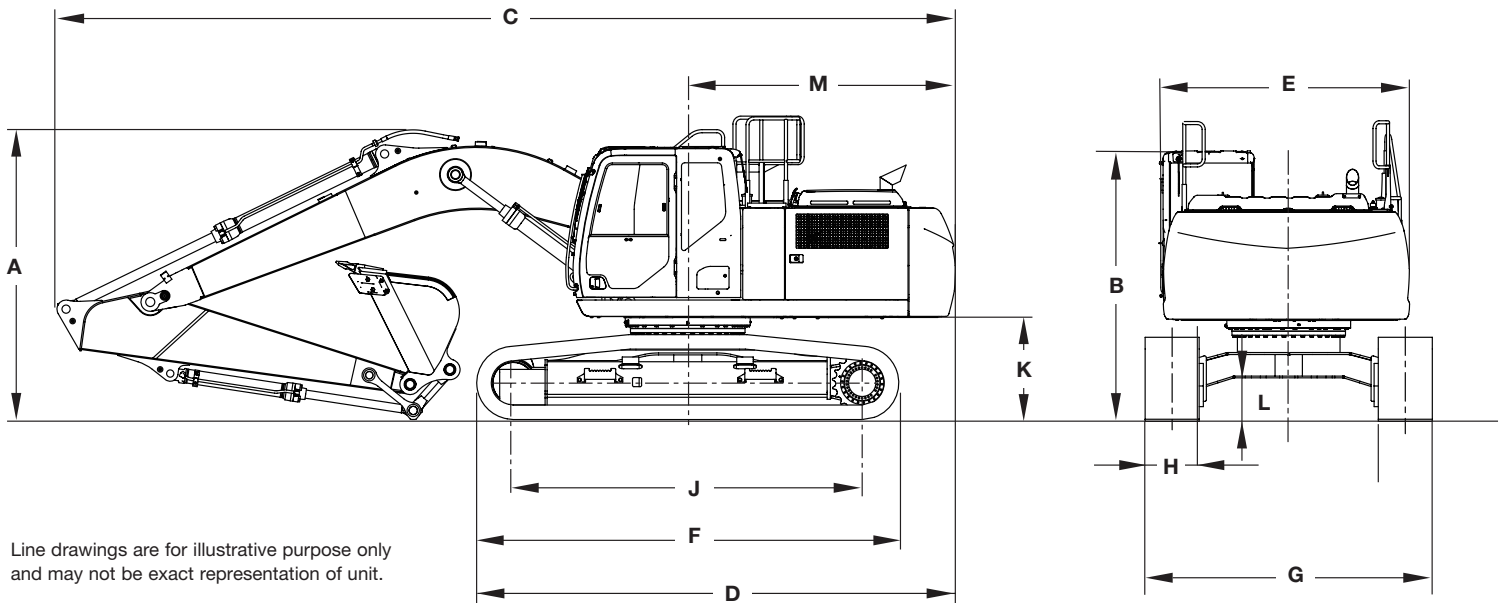
Boom cylinders	Two (2)
Cylinder bore	5.1 in (130 mm)
Cylinder rod diameter	3.5 in (90 mm)
Cylinder stroke	52.6 in (1 335 mm)
Arm cylinder	One (1)
Cylinder bore	5.7 in (145 mm)
Cylinder rod diameter	4.1 in (105 mm)
Cylinder stroke	65.4 in (1 660 mm)
Bucket cylinder	One (1)
Cylinder bore	5.1 in (130 mm)
Cylinder rod diameter	3.5 in (90 mm)
Cylinder stroke	42.1 in (1 070 mm)

SERVICE CAPACITIES

Fuel tank	108.3 gal (410 L)
Hydraulic system	66.0 gal (250 L)
Hydraulic tank	38.8 gal (147 L)
Engine oil w/ filter	6.1 gal (23.1 L)
Swing drive	2.6 gal (9.7 L)
Final drive	1.3 gal (5 L)
Cooling system	8.3 gal (31.4 L)
DEF Tank	31.7 gal (120 L)

OTHER SPECIFICATIONS

Swing speed	10.6 RPM
Swing torque	55,243 lbf-ft (74.9 kN-m)
Swing brake	Mechanical disc
Undercarriage:	
Length	15 ft 3 in (4 650 mm)
Track gauge	8 ft 6 in (2 590 mm)
Carrier rollers	2
Track rollers	9
Shoes – triple grouser	51
Shoe width – std.	2 ft 7 in (800 mm)
Link pitch	7.5 in (190 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic

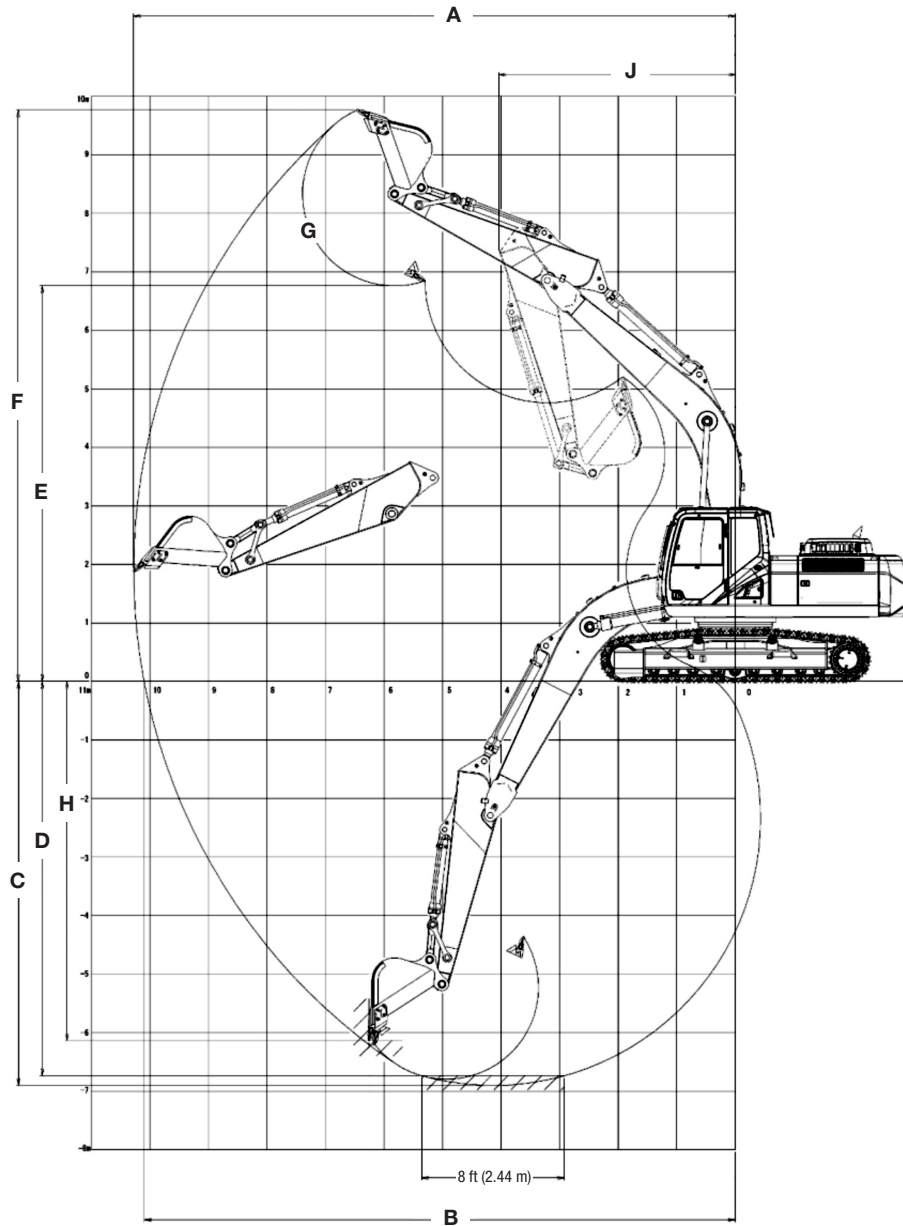


Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

	9 ft 10 in (3.0 m) Arm	8 ft 2 in (2.5 m) Arm	11 ft 6 in (3.52 m) Arm
A. Overall height – with attachment	10 ft 6 in (3 200 mm)	11 ft 0 in (3 350 mm)	11 ft 0 in (3 360 mm)
B. Cab height	10 ft 0 in (3 050 mm)	10 ft 0 in (3 050 mm)	10 ft 0 in (3 050 mm)
Overall height to top of guardrail	10 ft 11 in (3 340 mm)	10 ft 11 in (3 340 mm)	10 ft 11 in (3 340 mm)
C. Overall length – with attachment	32 ft 5 in (9 880 mm)	32 ft 8 in (9 950 mm)	32 ft 6 in (9 910 mm)
D. Overall length – without attachment	17 ft 3 in (5 270 mm)	17 ft 3 in (5 270 mm)	17 ft 3 in (5 270 mm)
E. Width of upper structure	9 ft 1 in (2 770 mm)	9 ft 1 in (2 770 mm)	9 ft 1 in (2 770 mm)
F. Track overall length	15 ft 3 in (4 650 mm)	15 ft 3 in (4 650 mm)	15 ft 3 in (4 650 mm)
G. Track overall width with 31.5 in (800 mm) shoes	11 ft 1 in (3 390 mm)	11 ft 1 in (3 390 mm)	11 ft 1 in (3 390 mm)
H. Track shoe width	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)
J. Center to center – idler to sprocket	12 ft 7 in (3 840 mm)	12 ft 7 in (3 840 mm)	12 ft 7 in (3 840 mm)
K. Upper structure ground clearance	3 ft 7 in (1 100 mm)	3 ft 7 in (1 100 mm)	3 ft 7 in (1 100 mm)
L. Minimum ground clearance	1 ft 5 in (440 mm)	1 ft 5 in (440 mm)	1 ft 5 in (440 mm)
M. Rear tail swing radius	9 ft 8 in (2 950 mm)	9 ft 8 in (2 950 mm)	9 ft 8 in (2 950 mm)
Operating weight*	56,909 lb (25 814 kg)	56,358 lb (25 564 kg)	57,240 lb (25 964 kg)
Ground pressure	5.5 psi (0.38 bar)	5.5 psi (0.38 bar)	5.5 psi (0.38 bar)

NOTE: *With 19 ft 2 in (5.85 m) boom, 31.5 in (800 mm) track shoe, 1,786 lb (810 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

	9 ft 10 in (3.0 m) Arm	8 ft 2 in (2.5 m) Arm	11 ft 6 in (3.52 m) Arm
A. Maximum dig radius	33 ft 9 in (10 280 mm)	32 ft 3 in (9 820 mm)	35 ft 5 in (10 790 mm)
B. Dig radius at groundline	33 ft 2 in (10 100 mm)	31 ft 7 in (9 630 mm)	34 ft 10 in (10 620 mm)
C. Maximum dig depth	22 ft 8 in (6 900 mm)	21 ft 0 in (6 400 mm)	24 ft 4 in (7 420 mm)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	22 ft 1 in (6 740 mm)	20 ft 4 in (6 210 mm)	23 ft 10 in (7 270 mm)
E. Dump height	22 ft 2 in (6 760 mm)	21 ft 6 in (6 550 mm)	23 ft 2 in (7 060 mm)
F. Maximum reach height	32 ft 0 in (9 760 mm)	31 ft 4 in (9 560 mm)	33 ft 0 in (10 070 mm)
G. Bucket rotation	175°	175°	175°
H. Maximum vertical wall dig depth	20 ft 2 in (6 140 mm)	18 ft 8 in (5 700 mm)	21 ft 11 in (6 680 mm)
J. Minimum swing radius	13 ft 3 in (4 030 mm)	13 ft 1 in (3 980 mm)	13 ft 3 in (4 050 mm)
Arm digging force:			
Standard	26,977 lbf (120 kN)	31,698 lbf (141 kN)	24,055 lbf (107 kN)
Power Boost	29,225 lbf (130 kN)	34,396 lbf (153 kN)	26,078 lbf (116 kN)
Bucket digging force:			
Standard	36,419 lbf (162 kN)	36,419 lbf (162 kN)	36,419 lbf (162 kN)
Power Boost	39,566 lbf (176 kN)	39,566 lbf (176 kN)	39,566 lbf (176 kN)

LIFT CAPACITIES

9 ft 10 in (3.0 m) Arm Lift capacities calculated using a 1,786 lb (810 kg) bucket, 11,508 lb (5 220 kg) counterweight.

Load (Lift Point Height)	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		MAXIMUM REACH			
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE	
+25 ft (7.5 m)									8,700 lb* (4 230 kg)*	8,700 lb* (4 230 kg)*			26 ft 8 in (8.23 m)	5,400 lb* (2 430 kg)*	5,400 lb* (2 430 kg)*	
+20 ft (6 m)									10,700 lb* (4 900 kg)*	10,300 lb* (4 810 kg)	(2 900 kg)*	(2 900 kg)*	29 ft 9 in (9.12 m)	5,100 lb* (2 310 kg)*	5,100 lb* (2 310 kg)*	
+15 ft (4.5 m)								13,600 lb* (6 300 kg)*	13,600 lb* (6 300 kg)*	12,450 lb* (5 760 kg)*	10,000 lb (4 560 kg)	9,250 lb* (4 230 kg)	7,150 lb (3 260 kg)	31 ft 7 in (9.66 m)	5,050 lb* (2 290 kg)*	5,050 lb* (2 290 kg)*
+10 ft (3 m)			29,200 lb* (13 660 kg)*	29,200 lb* (13 660 kg)*	21,250 lb* (9 880 kg)*	21,250 lb* (9 880 kg)*	16,400 lb* (7 590 kg)*	13,900 lb (6 460 kg)	13,900 lb* (6 400 kg)*	9,600 lb (4 470 kg)	10,500 lb (4 900 kg)	7,000 lb (3 260 kg)	32 ft 6 in (9.9 m)	5,200 lb* (2 360 kg)*	5,200 lb* (2 360 kg)*	
+5 ft (1.5 m)			22,500 lb* (9 550 kg)*	22,500 lb* (9 550 kg)*	26,350 lb* (12 230 kg)*	20,500 lb (9 510 kg)	19,050 lb* (8 810 kg)*	13,100 lb (6 090 kg)	13,900 lb (6 460 kg)	9,200 lb (4 280 kg)	10,300 lb (4 790 kg)	6,750 lb (3 150 kg)	32 ft 5 in (9.89 m)	5,500 lb* (2 490 kg)*	5,500 lb* (2 490 kg)*	
Groundline			21,350 lb* (9 400 kg)*	21,350 lb* (9 400 kg)*	29,200 lb* (13 500 kg)*	19,350 lb (8 990 kg)	19,350 lb (9 000 kg)	12,500 lb (5 810 kg)	13,500 lb (6 290 kg)	8,850 lb (4 120 kg)	10,100 lb (4 700 kg)	6,600 lb (3 070 kg)	31 ft 7 in (9.64 m)	6,000 lb* (2 730 kg)*	6,000 lb* (2 730 kg)*	
-5 ft (-1.5 m)	20,150 lb* (9 040 kg)*	20,150 lb* (9 040 kg)*	27,050 lb* (12 000 kg)*	27,050 lb* (12 000 kg)*	29,650 lb* (13 700 kg)*	19,000 lb (8 830 kg)	18,950 lb (8 820 kg)	12,150 lb (5 660 kg)	13,300 lb (6 190 kg)	8,650 lb (4 030 kg)	(4 250 kg)*	(3 060 kg)	29 ft 11 in (9.13 m)	6,950 lb* (3 140 kg)*	6,600 lb (2 990 kg)	
-10 ft (-3 m)	24,850 lb* (11 130 kg)*	24,850 lb* (11 130 kg)*	36,500 lb* (16 120 kg)*	36,500 lb* (16 120 kg)*	28,850 lb* (13 330 kg)*	19,100 lb (8 890 kg)	19,000 lb (8 840 kg)	12,250 lb (5 690 kg)	13,450 lb (6 250 kg)	8,850 lb (4 090 kg)			27 ft 3 in (8.34 m)	8,550 lb* (3 850 kg)*	7,700 lb (3 460 kg)	
-15 ft (-4.5 m)	34,550 lb* (15 350 kg)*	34,550 lb* (15 350 kg)*	37,300 lb* (17 320 kg)*	37,300 lb* (17 320 kg)*	25,750 lb* (11 970 kg)*	19,600 lb (9 110 kg)	18,650 lb* (8 720 kg)*	12,750 lb (5 890 kg)					23 ft 4 in (7.18 m)	12,000 lb* (5 300 kg)*	9,950 lb (4 430 kg)	
-20 ft (-6 m)			26,200 lb (12 480 kg)*	26,200 lb (12 480 kg)*	17,800 lb (8 590 kg)*	17,800 lb (8 590 kg)*							17 ft 2 in (5.44 m)	14,050 lb* (6 150 kg)*	14,050 lb* (6 150 kg)*	

8 ft 2 in (2.5 m) Arm Lift capacities calculated using a 1,918 lb (870 kg) bucket, 11,508 lb (5 220 kg) counterweight.

Load (Lift Point Height)	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)									(4 220 kg)*	(4 220 kg)*			24 ft 9 in (7.64 m)	7,800 lb* (3 510 kg)*	7,800 lb* (3 510 kg)*
+20 ft (6 m)							13,050 lb*	13,050 lb*	11,800 lb* (5 440 kg)*	10,050 lb (4 690 kg)			28 ft 1 in (8.61 m)	7,400 lb* (3 340 kg)*	7,400 lb* (3 340 kg)*
+15 ft (4.5 m)					12,850 lb* (6 360 kg)*	12,850 lb* (6 360 kg)*	14,700 lb* (6 780 kg)*	14,150 lb (6 570 kg)	13,300 lb* (6 140 kg)*	9,800 lb (4 550 kg)	7,550 lb* (4 440 kg)*	6,950 lb (3 250 kg)	30 ft 1 in (9.18 m)	7,300 lb* (3 310 kg)*	6,900 lb (3 120 kg)
+10 ft (3 m)			33,300 lb* (12 750 kg)*	33,300 lb* (12 750 kg)*	22,400 lb* (10 300 kg)*	21,350 lb (9 920 kg)	17,300 lb* (8 000 kg)*	13,600 lb (6 310 kg)	14,050 lb (6 530 kg)	9,400 lb (4 730 kg)	10,350 lb (4 820 kg)	6,800 lb (3 180 kg)	30 ft 11 in (9.44 m)	7,500 lb* (3 390 kg)*	6,400 lb (2 900 kg)
+5 ft (1.5 m)					26,750 lb* (12 330 kg)*	19,950 lb (9 270 kg)	19,550 lb (9 090 kg)	12,850 lb (5 970 kg)	13,700 lb (6 380 kg)	9,000 lb (4 190 kg)	10,150 lb (4 730 kg)	6,650 lb (3 090 kg)	30 ft 11 in (9.42 m)	7,900 lb* (3 580 kg)*	6,300 lb (2 850 kg)
Groundline			19,600 lb* (8 640 kg)*	19,600 lb* (8 640 kg)*	29,600 lb* (13 670 kg)*	19,050 lb (8 860 kg)	19,100 lb (8 900 kg)	12,300 lb (5 720 kg)	13,400 lb (6 220 kg)	8,700 lb (4 060 kg)	8,950 lb* (4 670 kg)	6,550 lb (3 040 kg)	30 ft 1 in (9.16 m)	8,600 lb* (3 900 kg)*	6,500 lb (2 950 kg)
-5 ft (-1.5 m)	22,000 lb* (9 810 kg)*	22,000 lb* (9 810 kg)*	27,750 lb* (12 270 kg)*	27,750 lb* (12 270 kg)*	29,450 lb* (13 600 kg)*	18,950 lb (8 810 kg)	18,900 lb (8 790 kg)	12,100 lb (5 620 kg)	13,300 lb (6 170 kg)	8,650 lb (4 010 kg)			28 ft 3 in (8.63 m)	9,950 lb* (4 490 kg)*	7,200 lb (3 250 kg)
-10 ft (-3 m)	27,550 lb* (12 310 kg)*	27,550 lb* (12 310 kg)*	40,300 lb* (17 740 kg)*	37,850 lb (17 610 kg)	28,050 lb* (12 960 kg)*	19,200 lb (8 920 kg)	19,050 lb (8 850 kg)	12,300 lb (5 700 kg)	13,500 lb (6 290 kg)	8,850 lb (4 140 kg)			25 ft 5 in (7.79 m)	12,400 lb* (5 540 kg)*	8,550 lb (3 850 kg)
-15 ft (-4.5 m)	(17 740 kg)*	(17 740 kg)*	33,950 lb* (15 780 kg)*	33,950 lb* (15 780 kg)*	23,850 lb* (11 120 kg)*	19,850 lb (9 210 kg)	16,700 lb* (7 920 kg)*	12,850 lb (5 970 kg)*					21 ft 2 in (6.53 m)	14,500 lb* (6 570 kg)*	11,550 lb (5 130 kg)

NOTE: *Following number indicates hydraulic capacity

LIFT CAPACITIES

11 ft 6 in (3.5 m) Arm Lift capacities calculated using a 1,742 lb (790 kg) bucket, 11,508 lb (5 220 kg) counterweight.

Load (Lift Point Height)	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+30 ft (9 m)									(2 300 kg)*	(2 300 kg)*			(7.57 m)	(2 180 kg)*	(2 180 kg)*
+25 ft (7.5 m)									7,350 lb* (3 380 kg)*	7,350 lb* (3 380 kg)*			28 ft 9 in (8.85 m)	4,300 lb* (1 950 kg)*	4,300 lb* (1 950 kg)*
+20 ft (6 m)									9,500 lb* (4 430 kg)*	9,500 lb* (4 430 kg)*	7,200 lb* (3 570 kg)*	7,200 lb* (3 460 kg)	31 ft 7 in (9.68 m)	4,100 lb* (1 850 kg)*	4,100 lb* (1 850 kg)*
+15 ft (4.5 m)									11,550 lb* (5 280 kg)*	10,150 lb (4 730 kg)	9,300 lb* (4 390 kg)*	7,250 lb (3 390 kg)	33 ft 4 in (10.18 m)	4,050 lb* (1 830 kg)*	4,050 lb* (1 830 kg)*
+10 ft (3 m)					19,200 lb* (8 920 kg)*	19,200 lb* (8 920 kg)*	15,250 lb* (7 040 kg)*	14,050 lb (6 520 kg)	13,000 lb* (5 990 kg)*	9,700 lb (4 520 kg)	10,550 lb (4 930 kg)*	7,000 lb (3 270 kg)	34 ft 2 in (10.41 m)	4,100 lb* (1 880 kg)*	4,100 lb* (1 880 kg)*
+5 ft (1.5 m)			32,550 lb* (13 610 kg)*	32,550 lb* (13 610 kg)*	24,650 lb* (11 420 kg)*	20,850 lb (9 680 kg)	18,100 lb* (8 350 kg)*	13,250 lb (6 160 kg)	13,950 lb (6 480 kg)	9,250 lb (4 300 kg)	10,300 lb (4 790 kg)	6,750 lb (3 150 kg)	34 ft 1 in (10.40 m)	4,350 lb* (1 980 kg)*	4,350 lb* (1 980 kg)*
Groundline	9,750 lb* (4 370 kg)*	9,750 lb* (4 370 kg)*	22,450 lb* (9 850 kg)*	22,450 lb* (9 850 kg)*	28,250 lb* (13 070 kg)*	19,500 lb (9 060 kg)	19,400 lb* (9 020 kg)	12,550 lb (5 820 kg)	13,500 lb (6 290 kg)	8,850 lb (4 110 kg)	10,050 lb (4 680 kg)	6,550 lb (3 050 kg)	33 ft 4 in (10.16 m)	4,750 lb* (2 160 kg)*	4,750 lb* (2 160 kg)*
-5 ft (-1.5 m)	17,000 lb* (7 750 kg)*	17,000 lb* (7 750 kg)*	25,950 lb* (11 470 kg)*	25,950 lb* (11 470 kg)*	29,500 lb* (13 630 kg)*	18,850 lb (8 760 kg)	18,900 lb (8 790 kg)	12,100 lb (5 620 kg)	13,200 lb (6 150 kg)	8,550 lb (3 990 kg)	9,950 lb (4 620 kg)	6,450 lb (2 990 kg)	31 ft 9 in (9.68 m)	5,450 lb* (2 470 kg)*	5,450 lb* (2 470 kg)*
-10 ft (-3 m)	22,250 lb* (9 980 kg)*	22,250 lb* (9 980 kg)*	33,300 lb* (14 720 kg)*	33,300 lb* (14 720 kg)*	29,100 lb* (13 450 kg)*	18,850 lb (8 780 kg)	18,800 lb (8 760 kg)	12,050 lb (5 600 kg)	13,250 lb (6 150 kg)	8,600 lb (4 000 kg)			29 ft 3 in (8.94 m)	6,600 lb* (2 980 kg)*	6,600 lb* (2 980 kg)*
-15 ft (-4.5 m)	32,900 lb* (14 560 kg)*	32,900 lb* (14 560 kg)*	39,800 lb* (18 450 kg)*	38,550 lb (17 980 kg)*	27,000 lb* (12 510 kg)*	19,250 lb (8 940 kg)	18,950 lb (8 820 kg)	12,400 lb (5 740 kg)	12,700 lb* (6 250 kg)	8,900 lb (4 150 kg)			25 ft 7 in (7.86 m)	8,900 lb* (3 950 kg)*	8,450 lb (3 790 kg)
-20 ft (-6 m)			30,950 lb* (14 570 kg)*	30,950 lb* (14 570 kg)*	21,250 lb* (10 050 kg)*	19,650 lb (9 140 kg)	13,850 lb* (6 820 kg)*	12,700 lb (5 920 kg)					20 ft 3 in (6.3 m)	13,200 lb* (5 970 kg)*	12,400 lb (5 450 kg)

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

ENGINE

Isuzu AQ-4HK1X
Tier 4 Final Certified
Selective Catalytic Reduction – SCR
Diesel Oxidation Catalyst – DOC
Cooled Exhaust Gas Recirculation – CEGR
EGR Coolers
Four-cylinder turbo-charged diesel
VGT turbocharger
Electronic fuel injection
High pressure common rail system
Neutral safety start
Auto-engine warm up
Glow-plug pre-heat
Fuel Economy Assist System – FEA
Engine Protection Feature – EPF
Dual-stage fuel filtration
Dual element air filter
Remote oil filter
Drain for fuel tank
Remote engine oil drain
500-hour engine oil change interval
24 Volt system
Engine oil sample port
Battery disconnect switch
Emergency engine stop
External Fuel and DEF gauges
Fan housing
Fuel cooler
Fuel filter restriction indicator
Fuel shut-off valve
Idle start
Radiator, oil cooler,
intercooler – protective screen

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:
Auto-idle
One-touch idle
Auto-idle shut-down
BEC – Boom Economy Control
AEC – Auto Economy Control
SWC – Swing Relief Control
SSC – Spool Stroke Control

HYDRAULICS

Auto power boost
Auto swing priority
Arm speed assistance – 2 pump flow
Auxiliary flow control
Auxiliary valve
Boom speed assistance – 2 pump flow
Bucket curl assist
Control levers pre-wired for
auxiliary hydraulics
Electronically controlled hydraulic pumps
Holding valve – Boom and Arm
Fire wall
Hydraulic filter restriction indicator
Neutral pump de-stroke
Oil cooler

Power save
Pump stand-by pressure
Auto travel speed change
Selectable work modes
Free swing
Hydraulic oil sample port
Control pattern selector
Pre-set auxiliary pump settings
Auxiliary valve
5,000-hour hydraulic oil change interval
1,000-hour hydraulic filter change interval
SAHR brake

UPPER STRUCTURE

ISO mirrors – 3
Cab ISO-Mounts – fluid and spring
Upper mounted work light – 70 watt
Swivel guard belly pan
Center cover – over main CV
Fuel tank belly pan
Handrail – RH access
ISO guard rails
Lifting eyes for counterweight
Lockable fuel cap, service doors and tool box

ATTACHMENTS

Boom – 19 ft 2 in (5.85 m)
Arm – 9 ft 10 in (3.00 m)
Heavy-duty bucket linkage
Boom mounted work light – 70 watt
Auxiliary pipe brackets
Centralized grease fittings
Attachment cushion valve
Arm and boom regeneration
Bucket anti-clatter device
Chrome pins
Easy Maintenance System (EMS) bushings
Teardrop pin retention keepers

OPERATOR ENVIRONMENT

ROPS protection
FOPS cab top guard – Level 1
Pressurized cab
Face vent
Cab lights – 2
Interior dome light
One-touch lock front window
One piece window – right
Safety glass windows
Gate lock hydraulic activation
Emergency exit and hammer
Clear polycarbonate roof window
with sunshade
AC/heat/defrost with auto climate control
LED Color monitor – 7 in (180 mm)
26 selectable languages for monitor
On-board diagnostic system
10 programmable attachments settings on
monitor – 5 single flow, 5 dual flow
Seat belt – 3 in (76 mm)
Heated high-back cloth seat with air
suspension and 65° tilt adjustment
Sliding seat – 3.54 in (90 mm)
Adjustable armrests

Tilting consoles – 4-position
Sliding cockpit – 3.15 in (80 mm)
Low-effort joystick controls
Controls pre-wired for auxiliary
Single pedal travel
Straight travel
AM/FM radio with antenna, 2 speakers and
Bluetooth capabilities
Aux-in port for personal electronics
Radio mute switch – joystick
Rear-view camera
Anti-theft system – start code system
Rubber floor mat
12 Volt electric outlet
24 Volt cigarette lighter
Windshield wiper/washer
Cup holder
Storage compartments
Warm/cool storage compartment
Travel alarm with cancel switch
Ignition keys
One key start & lock-up
Cab filter – external
Cab handrails
Operator's manual

UNDERCARRIAGE

Long undercarriage
31.5 in (800 mm) steel shoes,
triple semi-grouser
Full overlap turntable bearing tub
Single track chain guides
Hydraulic track adjustment
Sealed link chain
Steps
Carbody belly pan – swivel guard
X-pattern carbody
Lashing points – tie downs
Extra Filter Kit:
Engine oil filter
Filter wrench
Fuel filters
Grease gun
Green plug oil drain hose for
engine oil drain
Hydraulic return filter
Pilot circuit hydraulic filter

TELEMATICS

CASE SiteWatch™ Telematics – includes
hardware and a 3-yr Advanced
data subscription

OPTIONAL EQUIPMENT

ENGINE

Refueling pump
Air pre-cleaner – Cyclone
High ambient temperature cooling package

HYDRAULICS

Auxiliary hydraulics:
Single acting/joystick activated
Double acting/joystick activated – thumb
Multi-function with electronic pressure control/joystick activated with electronic proportional controls
Secondary low-flow/joystick activated
Proportional hydraulic controls
Hose Burst Check Valve – HBCV

ATTACHMENTS

Heavy-duty arm – 8 ft 4 in (2.50 m)
Long arm – 11 ft 6 in (3.52 m)
Quick coupler/Case multi-pin grabber
Tools:
Heavy-duty/Extreme-duty/Ditching
Buckets; Hammers; Thumbs;
Compaction plates.
Load holding control

UPPER STRUCTURE

Rubber bumper guard – order through
Service Parts

UNDERCARRIAGE

23.6 in (600 mm) steel shoes,
triple semi-grouser
27.6 in (700 mm) steel shoes,
triple semi-grouser
Track guides – triple

OPERATOR ENVIRONMENT

FOPS cab top guard – Level 2
Front grill guard – 2 x 2 in (50.8 x 50.8 mm)
screen mesh
Front rock guard – vertical bars
Two piece/OPG 1
Front rock guard – vertical bars
One piece/OPG 2
Vandal guard (front window) with
common key
Rain deflector – not available with
Front guards
Sun visor
Side-view camera
LED Package:
Includes 1 Side view camera and 6 LED
Lights – 2 front cab mounted, 2 rear
mounted and 1 mounted on each side

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CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

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