

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 (3.5 km/h)
Automatic downshift	
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 – ISO6396	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	33 ft 10 in (10.3 m)
Arm	26 ft 3 in (8.0 m)
Bucket digging force*	17,310 lbf (77 kN)

NOTE: *Digging force ratings based on ISO6015.

OPERATING WEIGHT

Operating weight	63,523 lb (28 814 kg)
w/ shoes	2 ft 7 in (800 mm)
w/ boom	33 ft 10 in (10.3 m)
w/ arm	26 ft 3 in (8.0 m)
w/ bucket	750 lb (340 kg)
w/ counterweight	16,204 lb (7 350 kg)

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

GROUND PRESSURE

@ Standard operating weight	6.2 psi (0.43 bar)
w/ 31.5 in (800 mm) triple semi-grouser shoes	

HYDRAULICS

System design	Open center
Main pumps	Two-variable displacement axial piston pumps w/ regulating system
Max. rated flow	61.8 gpm (234 L/min)
System pressures:	
Boom, arm and bucket w/ Power Boost	4,975 psi (343 bar)
Travel circuits	5,410 psi (373 bar)
Swing circuits	4,975 psi (343 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

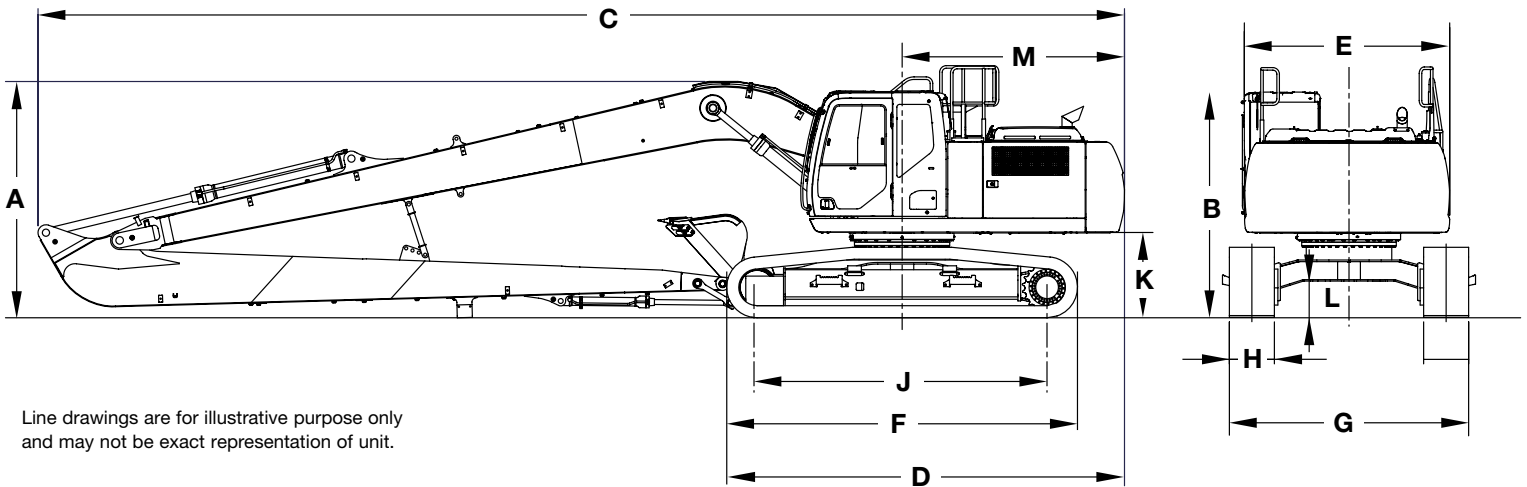
Boom cylinders	Two (2)
Cylinder bore	5.1 in (130 mm)
Cylinder rod diameter	3.5 in (90 mm)
Cylinder stroke	52.6 in (1 335 mm)
Arm cylinder	One (1)
Cylinder bore	5.9 in (150 mm)
Cylinder rod diameter	4.1 in (105 mm)
Cylinder stroke	68.4 in (1 737 mm)
Bucket cylinder	One (1)
Cylinder bore	3.7 in (95 mm)
Cylinder rod diameter	2.6 in (65 mm)
Cylinder stroke	34.7 in (881 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	51,482 lbf-ft (69.8 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	
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

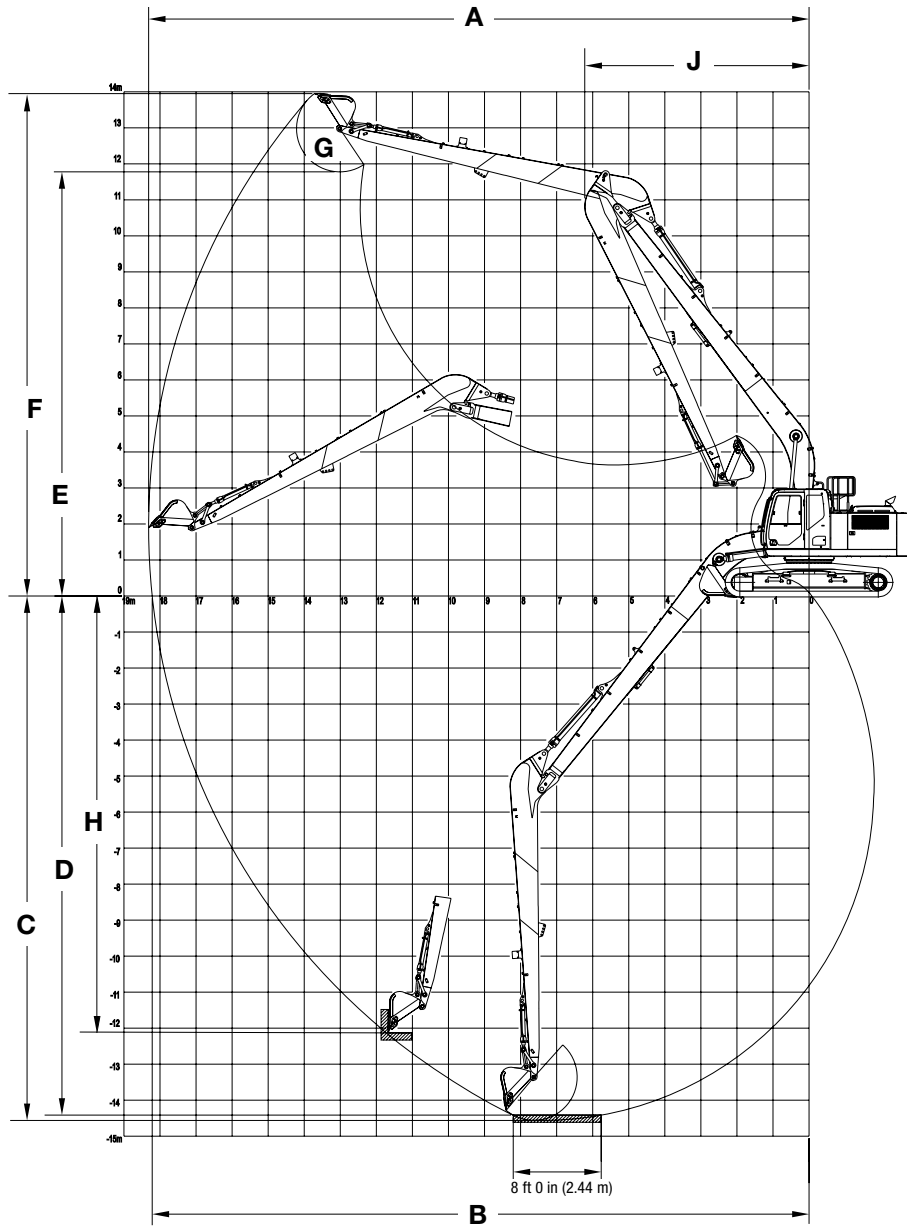


Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

	26 ft 3 in (8.0 m) Arm
A. Overall height – with attachment	10 ft 3 in (3 130 mm)
B. Cab height	10 ft 0 in (3 050 mm)
Overall height to top of guardrail	10 ft 11 in (3 340 mm)
C. Overall length – with attachment	47 ft 2 in (14 380 mm)
D. Overall length – without attachment	17 ft 3 in (5 270 mm)
E. Width of upperstructure	9 ft 1 in (2 770 mm)
F. Track overall length	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)
H. Track shoe width	2 ft 7 in (800 mm)
J. Center to center – idler to sprocket	12 ft 7 in (3 840 mm)
K. Upperstructure ground clearance	3 ft 7 in (1 100 mm)
L. Minimum ground clearance	1 ft 5 in (440 mm)
M. Rear tail swing radius	9 ft 8 in (2 950 mm)
Operating weight*	63,523 lb (28 814 kg)
Ground pressure	6.2 psi (0.43 bar)

NOTE: *With 33 ft 10 in (10.30 m) boom, 31.5 in (800 mm) track shoe, 750 lb (340 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



5001RFA3

PERFORMANCE SPECS

	26 ft 3 in (8.0 m) Arm
A. Maximum dig radius	60 ft 1 in (18 320 mm)
B. Dig radius at groundline	59 ft 9 in (18 220 mm)
C. Maximum dig depth	47 ft 9 in (14 560 mm)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	47 ft 3 in (14 410 mm)
E. Dump height	38 ft 8 in (11 780 mm)
F. Maximum reach height	45 ft 9 in (13 950 mm)
G. Bucket rotation	178°
H. Maximum vertical wall dig depth	39 ft 10 in (12 130 mm)
J. Minimum swing radius	20 ft 5 in (6 220 mm)
Arm digging force: Standard	9,060 lbf (40 kN)
Bucket digging force: Standard	17,310 lbf (77 kN)

LIFT CAPACITIES

26 ft 3 in (8.00 m) Lift capacities using a 750 lb (340 kg) bucket, 16,204 lb (7 350 kg) counterweight.

Load (Lift Point Height)	MINIMUM REACH		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)		
	@	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE
+40 ft (12 m)	44 ft 5 in (13.56 m)	3,450 lb* (1 630 kg)*	3,450 lb* (1 630 kg)*												
+35 ft (10.5 m)	44 ft 10 in (13.65 m)	3,600 lb* (1 640 kg)*	3,600 lb* (1 640 kg)*												
+30 ft (9 m)	44 ft 3 in (13.46 m)	3,650 lb* (1 670 kg)*	3,650 lb* (1 670 kg)*												
+25 ft (7.5 m)	42 ft 9 in (12.98 m)	3,850 lb* (1 750 kg)*	3,850 lb* (1 750 kg)*												
+20 ft (6 m)	40 ft 1 in (12.14 m)	4,200 lb* (1 920 kg)*	4,200 lb* (1 920 kg)*												
+15 ft (4.5 m)	35 ft 2 in (10.61 m)	5,150 lb* (2 360 kg)*	5,150 lb* (2 360 kg)*												
+10 ft (3 m)	6 ft 1 in (1.88 m)	5,450 lb* (2 480 kg)*	5,450 lb* (2 480 kg)*			8,600 lb* (3 810 kg)*	8,600 lb* (3 810 kg)*	5,800 lb* (3 070 kg)*	5,800 lb* (3 070 kg)*	4,750 lb* (2 490 kg)*	4,750 lb* (2 490 kg)*	7,900 lb* (3 690 kg)*	7,900 lb* (3 690 kg)*	6,750 lb* (3 120 kg)*	6,750 lb* (3 120 kg)*
+5 ft (1.5 m)	7 ft 1 in (2.15 m)	1,400 lb* (630 kg)*	1,400 lb* (630 kg)*			4,650 lb* (1 980 kg)*	4,650 lb* (1 980 kg)*	16,400 lb* (7 470 kg)*	16,400 lb* (7 470 kg)*	12,200 lb* (5 670 kg)*	12,200 lb* (5 670 kg)*	9,450 lb* (4 370 kg)*	9,450 lb* (4 370 kg)*	7,750 lb* (3 590 kg)*	7,750 lb* (3 590 kg)*
Groundline	3 ft 3 in (0.98 m)	1,400 lb* (620 kg)*	1,400 lb* (620 kg)*	1,450 lb* (650 kg)*	1,450 lb* (650 kg)*	3,400 lb* (1 490 kg)*	3,400 lb* (1 490 kg)*	8,450 lb* (3 680 kg)*	8,450 lb* (3 680 kg)*	14,250 lb* (6 600 kg)*	13,200 lb* (6 100 kg)*	10,800 lb* (4 990 kg)*	9,750 lb* (4 520 kg)*	8,700 lb* (4 020 kg)*	7,500 lb* (3 480 kg)*
-5 ft (-1.5 m)	0 ft 0 in (0 m)	2,550 lb* (1 150 kg)*	2,550 lb* (1 150 kg)*	2,600 lb* (1 180 kg)*	2,600 lb* (1 180 kg)*	3,950 lb* (1 760 kg)*	3,950 lb* (1 760 kg)*	7,200 lb* (3 170 kg)*	7,200 lb* (3 170 kg)*	14,500 lb* (6 290 kg)*	11,900 lb* (5 530 kg)*	11,900 lb* (5 490 kg)*	8,850 lb* (4 110 kg)*	9,500 lb* (4 390 kg)*	6,850 lb* (3 190 kg)*
-10 ft (-3 m)	0 ft 0 in (0 m)	3,450 lb* (1 550 kg)*	3,450 lb* (1 550 kg)*	3,700 lb* (1 670 kg)*	3,700 lb* (1 670 kg)*	4,900 lb* (2 190 kg)*	4,900 lb* (2 190 kg)*	7,500 lb* (3 310 kg)*	7,500 lb* (3 310 kg)*	12,700 lb* (5 560 kg)*	11,150 lb* (5 180 kg)*	12,650 lb* (5 850 kg)*	8,250 lb* (3 820 kg)*	10,150 lb* (4 680 kg)*	6,400 lb* (2 970 kg)*
-15 ft (-4.5 m)	0 ft 0 in (0 m)	4,450 lb* (2 000 kg)*	4,450 lb* (2 000 kg)*	4,850 lb* (2 160 kg)*	4,850 lb* (2 160 kg)*	6,000 lb* (2 680 kg)*	6,000 lb* (2 680 kg)*	8,250 lb* (3 670 kg)*	8,250 lb* (3 670 kg)*	12,750 lb* (5 580 kg)*	10,800 lb* (5 010 kg)*	12,950 lb* (6 010 lb)	7,850 lb* (3 660 kg)	9,950 lb* (4 610 kg)	6,100 lb* (2 830 kg)
-20 ft (-6 m)	0 ft 0 in (0 m)	5,450 lb* (2 440 kg)*	5,450 lb* (2 440 kg)*	6,000 lb* (2 680 kg)*	6,000 lb* (2 680 kg)*	7,200 lb* (3 220 kg)*	7,200 lb* (3 220 kg)*	9,350 lb* (4 160 kg)*	9,350 lb* (4 160 kg)*	13,600 lb* (5 970 kg)*	10,800 lb* (5 000 kg)	12,800 lb* (5 940 kg)	7,750 lb* (3 610 kg)	9,800 lb* (4 540 kg)	5,950 lb* (2 760 kg)
-25 ft (-7.5 m)	0 ft 0 in (0 m)	6,500 lb* (2 910 kg)*	6,500 lb* (2 910 kg)*	7,250 lb* (3 230 kg)*	7,250 lb* (3 230 kg)*	8,450 lb* (3 760 kg)*	8,450 lb* (3 760 kg)*	10,750 lb* (4 760 kg)*	10,750 lb* (4 760 kg)*	15,150 lb* (6 630 kg)*	10,900 lb* (5 070 kg)	12,850 lb* (5 950 kg)	7,800 lb* (3 630 kg)	9,800 lb* (4 540 kg)	5,950 lb* (2 770 kg)
-30 ft (-9 m)	0 ft 0 in (0 m)	7,600 lb* (3 400 kg)*	7,600 lb* (3 400 kg)*	8,600 lb* (3 830 kg)*	8,600 lb* (3 830 kg)*	10,100 lb* (4 480 kg)*	10,100 lb* (4 480 kg)*	12,750 lb* (5 610 kg)*	12,750 lb* (5 610 kg)*	16,100 lb* (7 460 kg)*	11,200 lb* (5 200 kg)	12,750 lb* (5 910 kg)*	8,000 lb* (3 710 kg)	9,900 lb* (4 600 kg)	6,100 lb* (2 830 kg)
-35 ft (-10.5 m)	2 ft 0 in (0.49 m)	8,700 lb* (3 850 kg)*	8,700 lb* (3 850 kg)*	10,100 lb* (4 540 kg)*	10,100 lb* (4 540 kg)*	12,150 lb* (5 380 kg)*	12,150 lb* (5 380 kg)*	15,350 lb* (6 740 kg)*	15,350 lb* (6 740 kg)*	14,950 lb* (6 970 kg)*	11,650 lb* (5 390 kg)	11,950 lb* (5 560 kg)*	8,350 lb* (3 860 kg)	9,750 lb* (4 550 kg)*	6,400 lb* (2 950 kg)
-40 ft (-12 m)	7 ft 1 in (1.91 m)	11,850 lb* (5 120 kg)*	11,850 lb* (5 120 kg)*			14,400 lb* (6 430 kg)*	14,400 lb* (6 430 kg)*	17,000 lb* (7 840 kg)*	17,000 lb* (7 840 kg)*	13,150 lb* (6 180 kg)*	12,300 lb* (5 670 kg)	10,500 lb* (4 950 kg)*	8,850 lb* (4 080 kg)	8,550 lb* (4 040 kg)*	6,850 lb* (3 140 kg)
-45 ft (-13.5 m)	17 ft 4 in (4.56 m)	25,650 lb* (6 240 kg)*	25,650 lb* (6 240 kg)*							10,200 lb* (4 940 kg)*	10,200 lb* (4 940 kg)*	8,050 lb* (3 930 kg)*	8,050 lb* (3 930 kg)*		

NOTE: *Following number indicates hydraulic capacity.

LIFT CAPACITIES (continued)

26 ft 3 in (8.00 m) Lift capacities using a 750 lb (340 kg) bucket, 16,204 lb (7 350 kg) counterweight.

Load (Lift Point Height)	35 ft (10.5 m)		40 ft (12 m)		45 ft (13.5 m)		50 ft (15 m)		55 ft (16.5 m)		(18 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+40 ft (12 m)					3,450 lb*	3,450 lb*							48 ft 9 in (15 m)	2,850 lb* (1 290 kg)*	2,850 lb* (1 290 kg)*
+35 ft (10.5 m)					3,650 lb*	3,650 lb*	3,550 lb* (1 630 kg)*	3,550 lb* (1 630 kg)*					44 ft 10 in (15.93 m)	2,800 lb* (1 260 kg)*	2,800 lb* (1 260 kg)*
+30 ft (9 m)					3,700 lb* (1 670 kg)*	3,700 lb* (1 670 kg)*	3,750 lb* (1 700 kg)*	3,750 lb* (1 700 kg)*	(1 390 kg)*	(1 390 kg)*			44 ft 3 in (16.66 m)	2,750 lb* (1 250 kg)*	2,750 lb* (1 250 kg)*
+25 ft (7.5 m)					3,850 lb* (1 750 kg)*	3,850 lb* (1 750 kg)*	3,850 lb* (1 750 kg)*	3,850 lb* (1 750 kg)*	3,550 lb* (1 700 kg)*	3,100 lb (1 470 kg)			42 ft 9 in (17.22 m)	2,800 lb* (1 260 kg)*	2,800 lb* (1 260 kg)*
+20 ft (6 m)					4,100 lb* (1 870 kg)*	4,100 lb* (1 870 kg)*	4,000 lb* (1 820 kg)*	3,850 lb (1 800 kg)*	3,850 lb* (1 780 kg)*	3,000 lb (1 420 kg)			40 ft 1 in (17.62 m)	2,850 lb* (1 280 kg)*	2,600 lb (1 170 kg)
+15 ft (4.5 m)			4,700 lb* (2 180 kg)*	4,700 lb* (2 180 kg)*	4,400 lb* (2 030 kg)*	4,400 lb* (2 030 kg)*	4,200 lb* (1 920 kg)*	3,700 lb (1 730 kg)	4,050 lb* (1 870 kg)*	2,900 lb (1 360 kg)			35 ft 2 in (17.89 m)	2,900 lb* (1 320 kg)*	2,400 lb (1 080 kg)
+10 ft (3 m)	5,900 lb* (2 740 kg)*	5,900 lb* (2 740 kg)*	5,300 lb* (2 440 kg)*	5,300 lb* (2 440 kg)*	4,800 lb* (2 220 kg)*	4,350 lb (2 040 kg)	4,500 lb* (2 060 kg)*	3,450 lb (1 630 kg)	4,250 lb* (1 950 kg)*	2,750 lb (1 300 kg)	(1 400 kg)*	(1 020 kg)	6 ft 1 in (18.02 m)	3,050 lb* (1 380 kg)*	2,250 lb (1 010 kg)
+5 ft (1.5 m)	6,650 lb* (3 070 kg)*	6,400 lb (2 970 kg)	5,850 lb* (2 700 kg)*	5,100 lb (2 380 kg)	5,250 lb* (2 420 kg)*	4,100 lb (1 910 kg)	4,800 lb* (2 210 kg)*	3,250 lb (1 530 kg)	4,350 lb (2 030 kg)*	2,600 lb (1 230 kg)	(1 490 kg)*	(970 kg)	7 ft 1 in (18.02 m)	3,200 lb* (1 460 kg)*	2,150 lb (970 kg)
Groundline	7,350 lb* (3 380 kg)*	5,900 lb (2 750 kg)	6,350 lb* (2 940 kg)*	4,700 lb (2 200 kg)	5,650 lb* (2 610 kg)*	3,800 lb (1 780 kg)	5,050 lb (2 340 kg)	3,050 lb (1 440 kg)	4,200 lb (1 970 kg)	2,450 lb (1 160 kg)			3 ft 3 in (17.09 m)	3,450 lb* (1 560 kg)*	2,100 lb (950 kg)
-5 ft (-1.5 m)	7,950 lb* (3 660 kg)*	5,450 lb (2 540 kg)	6,850 lb* (3 150 kg)*	4,400 lb (2 040 kg)	5,800 lb (2 700 kg)	3,550 lb (1 660 kg)	4,850 lb (2 260 kg)	2,900 lb (1 350 kg)	4,100 lb (1 910 kg)	2,350 lb (1 100 kg)			0 ft 0 in (17.64 m)	3,700 lb* (1 680 kg)*	2,100 lb (950 kg)
-10 ft (-3 m)	8,200 lb (3 810 kg)	5,100 lb (2 370 kg)	6,700 lb (3 130 kg)	4,100 lb (1 920 kg)	5,600 lb (2 600 kg)	3,350 lb (1 570 kg)	4,700 lb (2 190 kg)	2,750 lb (1 290 kg)	4,000 lb (1 870 kg)	2,250 lb (1 060 kg)			0 ft 0 in (17.24 m)	3,800 lb (1 730 kg)	2,150 lb (970 kg)
-15 ft (-4.5 m)	7,950 lb (3 690 kg)	4,850 lb (2 250 kg)	6,500 lb (3 030 kg)	3,900 lb (1 830 kg)	5,450 lb (2 540 kg)	3,200 lb (1 500 kg)	4,600 lb (2 150 kg)	2,650 lb (1 250 kg)	(1 850 kg)	(1 040 kg)			0 ft 0 in (16.7 m)	4,000 lb (1 810 kg)	2,250 lb (1 020 kg)
-20 ft (-6 m)	7,800 lb (3 630 kg)	4,700 lb (2 190 kg)	6,400 lb (2 980 kg)	3,850 lb (1 780 kg)	5,400 lb (2 500 kg)	3,150 lb (1 470 kg)	4,600 lb (2 140 kg)	2,650 lb (1 230 kg)					0 ft 0 in (16 m)	4,300 lb (1 940 kg)	2,450 lb (1 100 kg)
-25 ft (-7.5 m)	7,800 lb (3 630 kg)	4,750 lb (2 200 kg)	6,450 lb (2 990 kg)	3,850 lb (1 790 kg)	5,450 lb (2 520 kg)	3,200 lb (1 490 kg)	(2 170 kg)	(1 260 kg)					0 ft 0 in (15.12 m)	4,750 lb (2 130 kg)	2,750 lb (1 230 kg)
-30 ft (-9 m)	7,950 lb (3 670 kg)	4,850 lb (2 250 kg)	6,550 lb (3 040 kg)	4,000 lb (1 840 kg)	5,600 lb (2 580 kg)	3,350 lb (1 550 kg)							0 ft 0 in (14.03 m)	5,400 lb (2 420 kg)	3,200 lb (1 440 kg)
-35 ft (-10.5 m)	8,050 lb (3 730 kg)	5,100 lb (2 360 kg)*	6,650 lb* (3 100 kg)	4,250 lb (1 960 kg)									2 ft 0 in (12.67 m)	6,300 lb* (2 840 kg)*	3,950 lb (1 750 kg)
-40 ft (-12 m)	6,850 lb* (3 280 kg)*	5,350 lb (2 540 kg)											7 ft 1 in (10.96 m)	6,750 lb* (3 050 kg)*	5,250 lb (2 290 kg)
-45 ft (-13.5 m)													17 ft 4 in (8.7 m)	7,150 lb* (3 220 kg)*	7,150 lb* (3 220 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	HYDRAULICS (continued) 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	OPERATOR ENVIRONMENT (continued) 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
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	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	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
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	ATTACHMENTS Boom – 33 ft 10 in (10.30 m) Arm – 26 ft 3 in (8.00 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
		TELEMATICS CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

OPTIONAL EQUIPMENT

ENGINE	ATTACHMENTS	OPERATOR ENVIRONMENT
Refueling pump	Tools: Heavy-duty/Extreme-duty/Ditching Buckets.	FOPS cab top guard – Level 2
Air pre-cleaner – Cyclone	Load holding control	Front grill guard – 2 x 2 in (50.8 x 50.8 mm) screen mesh
High ambient temperature cooling package		Front rock guard – vertical bars Two piece/OPG 1
HYDRAULICS	UPPER STRUCTIURE	Front rock guard – vertical bars One piece/OPG 2
Auxiliary hydraulics: Secondary low-flow/joystick activated Proportional hydraulic controls	Rubber bumper guard – order through Service Parts	Vandal guard (front window) with common key
Hose Burst Check Valve – HBCV		Rain deflector – not available with Front Guards
	UNDERCARRIAGE	Sun visor
	Track guides – triple	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



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

NOTE: All engines meet current EPA emissions requirements.

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

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