

CASE

CONSTRUCTION



ENGINE

Model	Isuzu AR-4JJ1X Cooled EGR
Emissions Certification	Tier 4 Final
Fuel	Requires ultra-low sulfur fuel B5 biodiesel tolerant
Type	Water-cooled, 4-cycle, high pressure common rail system Turbocharger w/ air cooled intercooler, SCR system
Cylinders	4-cylinder in-line
Displacement	183 in ³ (3 L)
Bore/Stroke	3.8 x 4.1 in (95.4 x 104.9 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:	102 hp (76.4 kW)
Net max. torque – SAE J1349 @ 1600 RPM:	257 lbf-ft (349 N-m)
Cooling operating range:	109° to -13°F (43° to -25°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	3.5 mph (5.6 km/h)
Max. low speed	2.1 mph (3.4 km/h)
Automatic downshift	
Drawbar pull	26,100 lbf (116 kN)
Gradeability	70% – 35° Slope

ELECTRICAL

Voltage	24 Volts
Alternator rating	50 amp
Batteries	2 x 12 Volt
Battery reserve capacity	72 Ah/5 hour
Work lights – 4 1 boom, 1 upper, 2 cab	24 Volt/70 watt

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	Heated, air-suspension

ATTACHMENT

Boom	15 ft 2 in (4 630 mm)
Arm options	8 ft 2 in (2.5 m)
Bucket digging force	20,200 lbf (90 kN)
w/ auto power up	21,400 lbf (95 kN)

NOTE: *Digging force ratings based on ISO6015.

OPERATING WEIGHT

Operating weight	30,400 lb (13 800 kg)
w/ shoes	2 ft 0 in (600 mm)
w/ boom	15 ft 2 in (4 630 mm)
w/ arm	8 ft 2 in (2.5 m)
w/ bucket	882 lb (400 kg)
w/ counterweight	4,385 lb (1 990 kg)
w/ blade	8 ft 6 in (2 590 mm)

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

GROUND PRESSURE

@ Standard operating weight	5.4 psi (0.37 bar)
w/ 23.6 in (600 mm) triple semi-grouser shoes	

HYDRAULICS

System design	Open center
Main pumps	Two-variable displacement/ axial piston
Max. rated flow	34.1 gpm (129 L/min)
System pressures:	
Boom, arm and bucket	4,970 psi (350 bar)
w/ Power Boost	5,260 psi (370 bar)
Travel circuits	4,970 psi (350 bar)
Swing circuits	4,050 psi (285 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

PRELIMINARY

CX130D

EXCAVATOR

BLADE

TIER 4 FINAL CERTIFIED

Left track travel, auxiliary, swing, boom and arm acceleration.	1 x Five-spool section
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Work mode selections	SP: Speed Priority H: Heavy-Duty A: Automatic
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Swing motor	Fixed displacement axial piston
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Swing final drive	Planetary gear reduction
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Travel motor	Two-speed independent travel/axial piston
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HYDRAULIC CYLINDERS

Boom cylinders	Two (2)
Cylinder bore	4.1 in (105 mm)
Cylinder rod diameter	2.8 in (70 mm)
Cylinder stroke	37.8 in (961 mm)

Arm cylinder	One (1)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	3.1 in (80 mm)
Cylinder stroke	43.6 in (1 108 mm)

Bucket cylinder	One (1)
Cylinder bore	3.7 in (95 mm)
Cylinder rod diameter	2.6 in (65 mm)
Cylinder stroke	38.8 in (985 mm)

Blade cylinder	One (1)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	2.8 in (70 mm)
Cylinder stroke	9.8 in (250 mm)

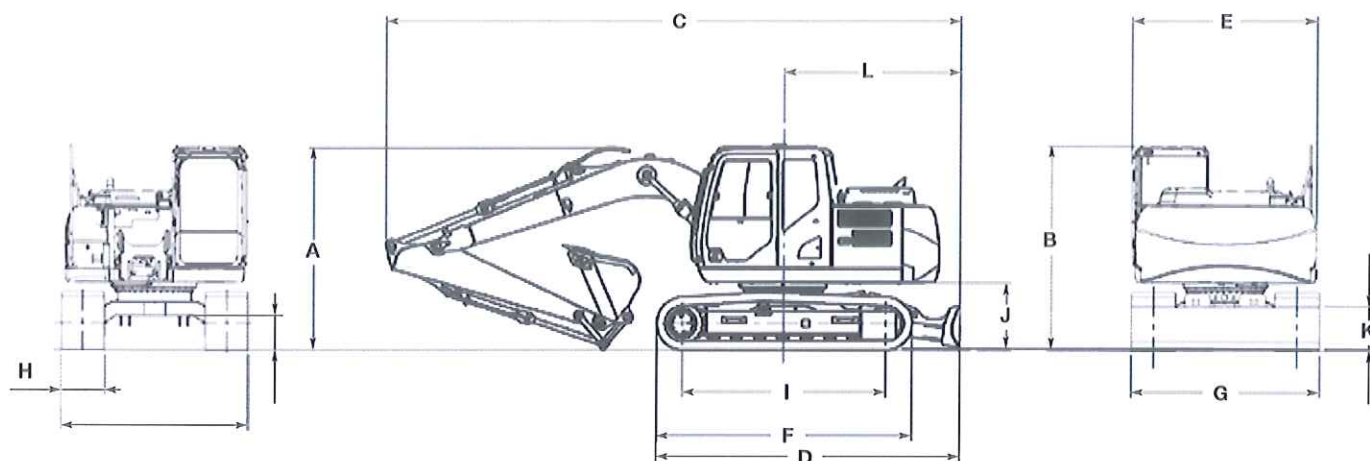
SERVICE CAPACITIES

Fuel tank	69 gal (260 L)
Hydraulic system	41 gal (157 L)
Hydraulic tank	22 gal (82 L)
Engine oil w/ filter	4 gal (17 L)
Swing drive	0.6 gal (2.2 L)
Final drive	0.6 gal (5.8 L)
Cooling system	4 gal (16.2 L)

OTHER SPECIFICATIONS

Swing speed	14.3 RPM
Swing torque	24,340 lbf-ft (33 000 kN-m)
Swing brake	Mechanical disc
Undercarriage:	
Length	12 ft 4 in (3 760 mm)
Track gauge	6 ft 6 in (1 990 mm)
Carrier rollers	1
Track rollers	7
Shoes – triple grouser	47
Shoe width – std.	2 ft 0 in (600 mm)
Link pitch	7 in (172 mm)

Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic

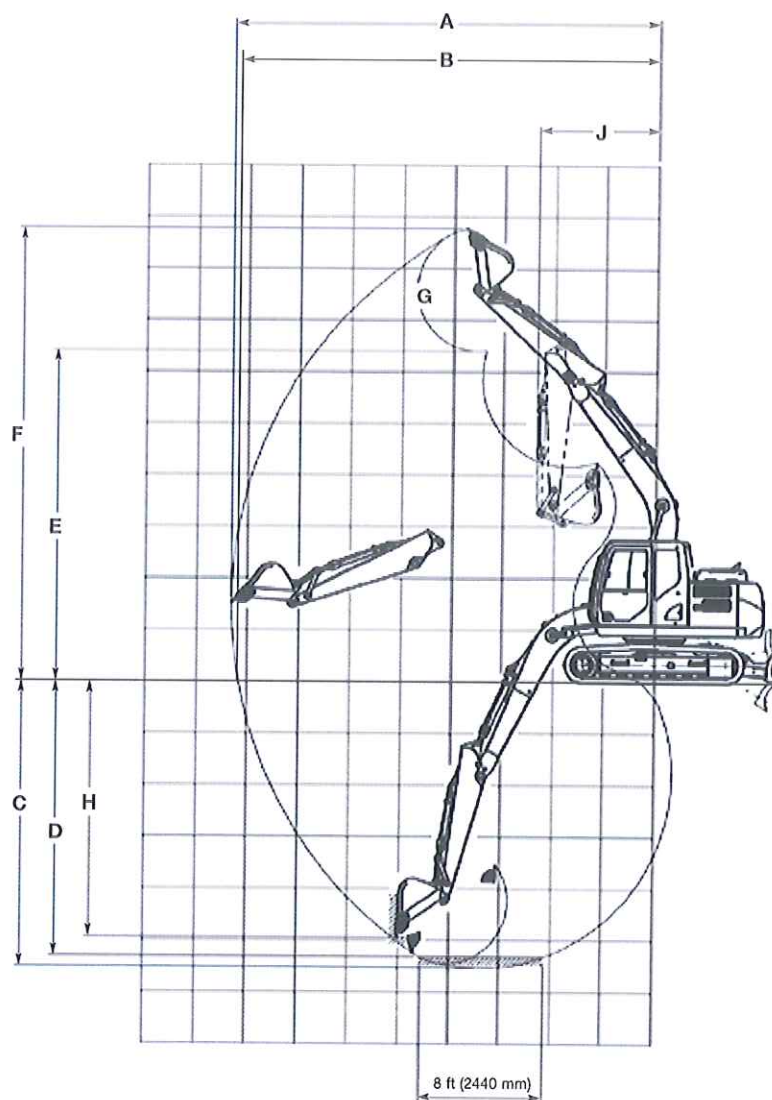


Line drawings are for illustrative purpose only
and may not be exact representation of unit.

DIMENSIONS

	8 ft 2 in (2.50 m) Arm	9 ft 10 in (3.01 m) Arm	6 ft 10 in (2.11 m) Arm
A. Overall height	9 ft 1 in (2 770 mm)	8 ft 8 in (2 640 mm)	8 ft 10 in (2 680 mm)
B. Cab height	9 ft 3 in (2 830 mm)	9 ft 3 in (2 830 mm)	9 ft 3 in (2 830 mm)
C. Overall length – with attachment	25 ft 11 in (7 900 mm)	25 ft 11 in (7 900 mm)	25 ft 11 in (7 890 mm)
D. Overall length – without attachment	13 ft 8 in (4 160 mm)	13 ft 8 in (4 160 mm)	13 ft 8 in (4 160 mm)
E. Width of upper structure	8 ft 4 in (2 530 mm)	8 ft 4 in (2 530 mm)	8 ft 4 in (2 530 mm)
F. Track overall length	11 ft 6 in (3 500 mm)	11 ft 6 in (3 500 mm)	11 ft 6 in (3 500 mm)
G. Track overall width with 23.6 in (600 mm) shoes	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)
H. Track shoe width	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)
I. Center to center – idler to sprocket	9 ft 2 in (2 740 mm)	9 ft 2 in (2 740 mm)	9 ft 2 in (2 740 mm)
J. Upper structure ground clearance	2 ft 11 in (895 mm)	2 ft 11 in (895 mm)	2 ft 11 in (895 mm)
K. Minimum ground clearance	1 ft 5 in (425 mm)	1 ft 5 in (425 mm)	1 ft 5 in (425 mm)
L. Rear tail swing radius	7 ft 1 in (2 170 mm)	7 ft 1 in (2 170 mm)	7 ft 1 in (2 170 mm)
Operating weight*	30,400 lb (13 800 kg)	30,400 lb (13 800 kg)	30,400 lb (13 800 kg)
Ground pressure	5.4 psi (0.37 bar)	5.4 psi (0.37 bar)	5.4 psi (0.37 bar)

NOTE: *With 23.6 in (600 mm) track shoe, 880 lb (400 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

	8 ft 2 in (2.50 m) Arm	9 ft 10 in (3.01 m) Arm	6 ft 10 in (2.11 m) Arm
A. Maximum dig radius	27 ft 3 in (8 310 mm)	28 ft 9 in (8 770 mm)	26 ft 1 in (7 960 mm)
B. Dig radius at groundline	26 ft 10 in (8 170 mm)	28 ft 4 in (8 640 mm)	25 ft 7 in (7 810 mm)
C. Maximum dig depth	18 ft 3 in (5 550 mm)	19 ft 10 in (6 050 mm)	16 ft 11 in (5 160 mm)
D. Dig depth - 8 ft 0 in (2.44 m) level bottom	17 ft 6 in (5 330 mm)	19 ft 3 in (5 870 mm)	16 ft 2 in (4 920 mm)
E. Dump height	21 ft 0 in (6 390 mm)	21 ft 11 in (6 680 mm)	20 ft 3 in (6 170 mm)
F. Maximum reach height	28 ft 9 in (8 770 mm)	29 ft 8 in (9 240 mm)	28 ft 1 in (8 550 mm)
G. Bucket rotation	178°	178°	178°
H. Maximum vertical wall dig depth	16 ft 3 in (4 950 mm)	17 ft 7 in (5 350 mm)	15 ft 1 in (4 600 mm)
J. Minimum swing radius	7 ft 8 in (2 340 mm)	8 ft 9 in (2 660 mm)	7 ft 9 in (2 360 mm)
Arm digging force:			
Standard	13,900 lbf (62 kN)	12,600 lbf (56 kN)	15,700 lbf (70 kN)
Power Boost	14,800 lbf (66 kN)	13,500 lbf (60 kN)	16,600 lbf (74 kN)
Bucket digging force:			
Standard	20,200 lbf (90 kN)	20,200 lbf (90 kN)	20,200 lbf (90 kN)
Power Boost	21,400 lbf (95 kN)	21,400 lbf (95 kN)	21,400 lbf (95 kN)

LIFT CAPACITIES

8 ft 2 in (2.50 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,850 lb (2 200 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)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)					4,050 lb (1 837 kg)	4,050 lb (1 837 kg)					16 ft 7 in (5.05 m)	3,250 lb (1 474 kg)	3,250 lb (1 474 kg)
+20 ft (6 m)					5,900 lb (2 676 kg)	5,900 lb (2 676 kg)	4,950 lb (2 245 kg)	4,750 lb (2 155 kg)			21 ft 9 in (6.63 m)	2,700 lb (1 225 kg)	2,700 lb (1 225 kg)
+15 ft (4.5 m)					6,400 lb (2 903 kg)	6,400 lb (2 903 kg)	6,100 lb (2 767 kg)	4,700 lb (2 132 kg)			24 ft 7 in (7.49 m)	2,550 lb (1 157 kg)	2,550 lb (1 157 kg)
+10 ft (3 m)			11,550 lb (5 239 kg)	11,550 lb (5 239 kg)	8,600 lb (3 901 kg)	7,250 lb (3 289 kg)	6,950 lb (3 152 kg)	4,500 lb (2 041 kg)	4,750 lb (2 155 kg)	3,000 lb (1 361 kg)	26 ft 0 in (7.92 m)	2,550 lb (1 157 kg)	2,550 lb (1 157 kg)
+5 ft (1.5 m)			16,800 lb (7 620 kg)	12,700 lb (5 761 kg)	10,700 lb (4 853 kg)	6,700 lb (3 039 kg)	6,700 lb (3 039 kg)	4,250 lb (1 928 kg)	4,650 lb (2 109 kg)	2,850 lb (1 293 kg)	26 ft 4 in (8.03 m)	2,700 lb (1 225 kg)	2,600 lb (1 179 kg)
Groundline	5,650 lb (2 563 kg)	5,650 lb (2 563 kg)	18,450 lb (8 369 kg)	11,700 lb (5 307 kg)	10,300 lb (4 672 kg)	6,300 lb (2 858 kg)	6,600 lb (2 948 kg)	4,000 lb (1 814 kg)	4,550 lb (2 064 kg)	2,800 lb (1 270 kg)	25 ft 7 in (7.80 m)	3,000 lb (1 361 kg)	2,700 lb (1 225 kg)
-5 ft (-1.5 m)	11,200 lb (5 080 kg)	11,200 lb (5 080 kg)	20,200 lb (9 163 kg)	11,600 lb (5 262 kg)	10,100 lb (4 581 kg)	6,100 lb (2 767 kg)	6,350 lb (2 880 kg)	3,900 lb (1 769 kg)			23 ft 9 in (7.24 m)	3,600 lb (1 633 kg)	3,000 lb (1 361 kg)
-10 ft (-3 m)	17,700 lb (8 029 kg)	17,700 lb (8 029 kg)	18,550 lb (8 414 kg)	11,850 lb (5 375 kg)	10,200 lb (4 627 kg)	6,200 lb (2 812 kg)	6,500 lb (2 948 kg)	4,050 lb (1 837 kg)			20 ft 7 in (6.27 m)	4,900 lb (2 223 kg)	3,850 lb (1 746 kg)
-15 ft (-4.5 m)			13,800 lb (6 260 kg)	12,150 lb (5 511 kg)	8,250 lb (3 742 kg)	6,450 lb (2 926 kg)					15 ft 4 in (4.67 m)	7,800 lb (3 538 kg)	6,200 lb (2 812 kg)

9 ft 10 in (3.01 m) Arm, Lift capacities using a 750 lb (340 kg) bucket, 4,850 lb (2 200 kg) counterweight.

Load (Lift Point Height)	0 ft (0 m)		5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)													19 ft 1 in (5.82 m)	3,100 lb (1 406 kg)	3,100 lb (1 406 kg)
+20 ft (6 m)									4,900 lb (2 223 kg)	4,800 lb (2 223 kg)			23 ft 7 in (7.19 m)	2,700 lb (1 225 kg)	2,700 lb (1 225 kg)
+15 ft (4.5 m)									5,800 lb (2 631 kg)	4,850 lb (2 200 kg)	4,200 lb (1 905 kg)	3,150 lb (1 429 kg)	26 ft 3 in (8.00 m)	2,550 lb (1 157 kg)	2,550 lb (1 157 kg)
+10 ft (3 m)							7,500 lb (3 402 kg)	7,300 lb (3 311 kg)	6,550 lb (2 971 kg)	4,600 lb (2 087 kg)	4,850 lb (2 200 kg)	3,050 lb (1 383 kg)	27 ft 7 in (8.41 m)	2,550 lb (1 157 kg)	2,500 lb (1 134 kg)
+5 ft (1.5 m)					14,450 lb (6 554 kg)	13,100 lb (5 942 kg)	10,200 lb (4 627 kg)	6,850 lb (3 107 kg)	6,800 lb (3 084 kg)	4,300 lb (1 950 kg)	4,700 lb (2 132 kg)	2,900 lb (1 315 kg)	27 ft 10 in (8.48 m)	2,700 lb (1 225 kg)	2,350 lb (1 066 kg)
Groundline			5,650 lb (2 564 kg)	5,850 lb (2 654 kg)	18,650 lb (8 459 kg)	11,800 lb (5 352 kg)	10,350 lb (4 695 kg)	6,300 lb (2 858 kg)	6,500 lb (2 948 kg)	4,050 lb (1 837 kg)	4,550 lb (2 064 kg)	2,800 lb (1 270 kg)	27 ft 2 in (8.28 m)	3,000 lb (1 361 kg)	2,400 lb (1 089 kg)
-5 ft (-1.5 m)	8,400 lb (3 810 kg)	8,400 lb (3 810 kg)	10,200 lb (4 627 kg)	10,200 lb (4 627 kg)	20,100 lb (9 117 kg)	11,450 lb (5 194 kg)	10,050 lb (4 559 kg)	6,050 lb (2 744 kg)	6,350 lb (2 880 kg)	3,900 lb (1 769 kg)	4,500 lb (2 041 kg)	2,750 lb (1 247 kg)	25 ft 5 in (7.75 m)	3,500 lb (1 588 kg)	2,700 lb (1 225 kg)
-10 ft (-3 m)	11,200 lb (5 080 kg)	11,200 lb (5 080 kg)	15,100 lb (6 849 kg)	15,100 lb (6 849 kg)	19,300 lb (8 754 kg)	11,600 lb (5 262 kg)	10,050 lb (4 559 kg)	6,100 lb (2 767 kg)	6,400 lb (2 903 kg)	3,950 lb (1 792 kg)			22 ft 6 in (6.86 m)	4,600 lb (2 087 kg)	3,300 lb (1 497 kg)
-15 ft (-4.5 m)			24,050 lb (10 909 kg)	24,050 lb (10 909 kg)	15,800 lb (7 167 kg)	12,050 lb (5 466 kg)	10,150 lb (4 604 kg)	6,450 lb (2 926 kg)					17 ft 9 in (5.41 m)	7,400 lb (3 357 kg)	4,850 lb (2 200 kg)

6 ft 10 in (2.11 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,850 lb (2 200 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)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)											14 ft 6 in (4.42 m)	4,000 lb (1 814 kg)	4,000 lb (1 814 kg)
+20 ft (6 m)					6,300 lb (2 858 kg)	6,300 lb (2 858 kg)	4,050 lb (1 837 kg)	4,050 lb (1 837 kg)			20 ft 3 in (6.17 m)	3,300 lb (1 497 kg)	3,300 lb (1 497 kg)
+15 ft (4.5 m)					7,150 lb (3 243 kg)	7,150 lb (3 243 kg)	6,550 lb (2 971 kg)	4,550 lb (2 064 kg)			23 ft 4 in (7.11 m)	3,050 lb (1 383 kg)	3,050 lb (1 383 kg)
+10 ft (3 m)			12,350 lb (5 602 kg)	12,350 lb (5 602 kg)	9,250 lb (4 196 kg)	7,050 lb (3 198 kg)	6,850 lb (3 107 kg)	4,350 lb (1 973 kg)			24 ft 10 in (7.57 m)	3,050 lb (1 383 kg)	2,900 lb (1 315 kg)
+5 ft (1.5 m)			17,400 lb (7 893 kg)	12,250 lb (5 557 kg)	10,600 lb (4 808 kg)	6,550 lb (2 971 kg)	6,600 lb (2 994 kg)	4,150 lb (1 882 kg)	3,950 lb (1 792 kg)	2,800 lb (1 270 kg)	25 ft 2 in (7.67 m)	3,200 lb (1 451 kg)	2,750 lb (1 247 kg)
Groundline			16,800 lb (7 620 kg)	11,450 lb (5 194 kg)	10,150 lb (4 604 kg)	6,150 lb (2 790 kg)	6,400 lb (2 903 kg)	3,950 lb (1 792 kg)			24 ft 5 in (7.44 m)	3,550 lb (1 610 kg)	2,850 lb (1 293 kg)
-5 ft (-1.5 m)	12,100 lb (5 488 kg)	12,100 lb (5 488 kg)	19,850 lb (9 004 kg)	11,550 lb (5 239 kg)	10,050 lb (4 559 kg)	6,050 lb (2 744 kg)	6,350 lb (2 880 kg)	3,900 lb (1 769 kg)			22 ft 6 in (6.86 m)	4,300 lb (1 950 kg)	3,250 lb (1 474 kg)
-10 ft (-3 m)	18,600 lb (8 437 kg)	18,600 lb (8 437 kg)	17,500 lb (7 938 kg)	11,850 lb (5 375 kg)	10,200 lb (4 627 kg)	6,250 lb (2 835 kg)					19 ft 1 in (5.82 m)	6,000 lb (2 722 kg)	4,300 lb (1 950 kg)
-15 ft (-4.5 m)											11 ft 7 in (3.53 m)	9,800 lb (4 445 kg)	9,500 lb (4 309 kg)

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

ENGINE

Isuzu AR-4JJ1X
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 – 15 ft 2 in (4.63 m)
Arm – 8 ft 2 in (2.50 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
Seatbelt – 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
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

23.6 in (600 mm) steel shoes,
triple semi-grouser
Full overlap turntable bearing tub
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

FRONT DOZER BLADE

8 ft 6 in (2.59 m) width – comes with
23.6 in (600 mm) steel shoes

TELEMATICS

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

OPTIONAL EQUIPMENT

ENGINE

Refueling pump

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 – 6 ft 11 in (2.11 m)

Long arm – 9 ft 11 in (3.01 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

19.7 in (500 mm) rubber link chain, bolt-on
rubber pads on steel chain

27.6 in (700 mm) steel shoes,
triple semi-grouser

Double track chain guides

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

FRONT DOZER BLADE

Hydraulically controlled front dozer blade:

8 ft 2 in (2.49 m) width – comes with

19.7 in (500 mm) rubber link chain

8 ft 10 in (2.69 m) width – comes with

27.6 in (700 mm) steel shoes

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



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.



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Form No. CCE201511CX130D

CX130D

CASE

CONSTRUCTION



ENGINE

Model	Isuzu AR-4JJ1X Cooled EGR
Emissions Certification	Tier 4 Final
Fuel	Requires ultra-low sulfur fuel B5 biodiesel tolerant
Type	Water-cooled, 4-cycle, high pressure common rail system Turbocharger w/ air cooled intercooler, SCR system
Cylinders	4-cylinder in-line
Displacement	183 in ³ (3 L)
Bore/Stroke	3.8 x 4.1 in (95.4 x 104.9 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 @ 2200 RPM:	112 hp (83.2 kW)
Net max. torque – SAE J1349 @ 1800 RPM:	257 lbf-ft (349 N·m)
Cooling operating range:	109° to -13°F (43° to -25°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 (5.4 km/h)
Max. low speed	1.7 mph (2.8 km/h)
Automatic downshift	
Drawbar pull	36,100 lbf (160 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	Heated, air-suspension

ATTACHMENT

Boom	16 ft 11 in (5 150 mm)
Arm options	8 ft 7 in (2.62 m)
Bucket digging force*	25,200 lbf (112 kN)
w/ auto power up	26,500 lbf (118 kN)

NOTE: *Digging force ratings based on ISO6015.

OPERATING WEIGHT

Operating weight	38,400 lb (17 400 kg)
w/ shoes	2 ft 0 in (600 mm)
w/ boom	16 ft 11 in (5 150 mm)
w/ arm	8 ft 7 in (2.62 m)
w/ bucket	1,067 lb (484 kg)
w/ counterweight	6,945 lb (3 150 kg)

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

GROUND PRESSURE

@ Standard operating weight	5.9 psi (0.41 bar)
w/ 23.6 in (600 mm) triple semi-grouser shoes	

HYDRAULICS

System design	Open center
Main pumps	Two-variable displacement/ axial piston
Max. rated flow	37.5 gpm (142 L/min)
System pressures:	
Boom, arm and bucket	4,970 psi (343 bar)
w/ Power Boost	5,260 psi (363 bar)
Travel circuits	4,970 psi (343 bar)
Swing circuits	4,050 psi (279 bar)
Pilot pump	1 x gear design
Max. capacity	5.8 gpm (22 L/min)
Controls	w/ boom/arm holding valve
Right track travel, bucket, boom and arm acceleration.	1 x Four-spool section

PRELIMINARY

CX160D

EXCAVATOR

LONG UNDERCARRIAGE

TIER 4 FINAL CERTIFIED

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
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Swing motor	Fixed displacement axial piston
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Swing final drive	Planetary gear reduction
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Travel motor	Two-speed independent travel/axial piston
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HYDRAULIC CYLINDERS

Boom cylinders	Two (2)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	3.1 in (80 mm)
Cylinder stroke	46.4 in (1 179 mm)
Arm cylinder	One (1)
Cylinder bore	4.9 in (125 mm)
Cylinder rod diameter	3.5 in (90 mm)
Cylinder stroke	50.4 in (1 280 mm)
Bucket cylinder	One (1)
Cylinder bore	4.1 in (105 mm)
Cylinder rod diameter	3.0 in (75 mm)
Cylinder stroke	38.8 in (985 mm)

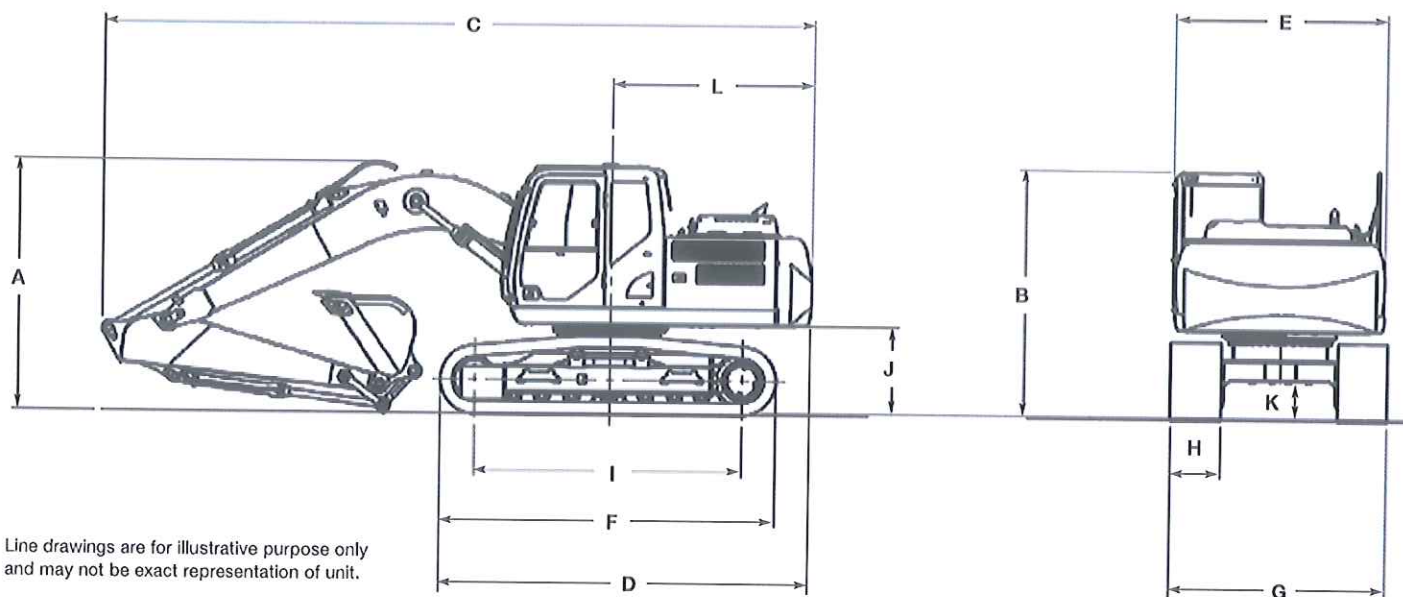
SERVICE CAPACITIES

Fuel tank	79 gal (300 L)
Hydraulic system	44 gal (165 L)
Hydraulic tank	24 gal (90 L)
Engine oil w/ filter	4 gal (17 L)
Swing drive	1.3 gal (5 L)
Final drive	1.5 gal (5.8 L)
Cooling system	4 gal (16.2 L)

OTHER SPECIFICATIONS

Swing speed	11.5 RPM
Swing torque	33,264 lbf-ft (45 100 kN·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	13 ft 1 in (3 990 mm)
Track gauge	6 ft 6 in (1 990 mm)
Carrier rollers	2
Track rollers	7
Shoes – triple grouser	44
Shoe width – std.	2 ft 0 in (600 mm)
Link pitch	8 in (190 mm)

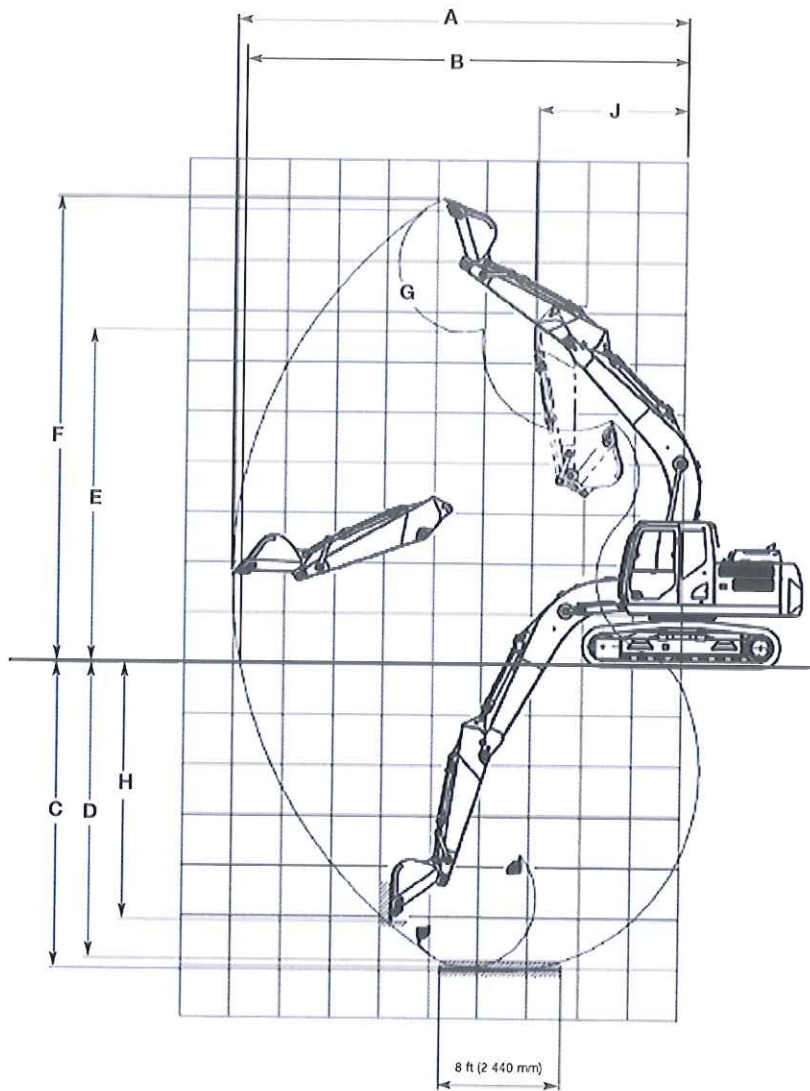
Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic



DIMENSIONS

	8 ft 7 in (2.62 m) Arm	10 ft 0 in (3.04 m) Arm
A. Overall height	9 ft 9 in (2 960 mm)	10 ft 3 in (3 130 mm)
B. Cab height	9 ft 9 in (2 970 mm)	9 ft 9 in (2 970 mm)
C. Overall length – with attachment	27 ft 9 in (8 460 mm)	27 ft 11 in (8 520 mm)
D. Overall length – without attachment	14 ft 6 in (4 430 mm)	14 ft 6 in (4 430 mm)
E. Width of upper structure	8 ft 1 in (2 530 mm)	8 ft 4 in (2 530 mm)
F. Track overall length	13 ft 1 in (3 990 mm)	13 ft 1 in (3 990 mm)
G. Track overall width with 23.6 in (600 mm) shoes	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)
H. Track shoe width	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)
I. Center to center – idler to sprocket	10 ft 6 in (3 190 mm)	10 ft 6 in (3 199 mm)
J. Upper structure ground clearance	3 ft 4 in (1 020 mm)	3 ft 4 in (1 020 mm)
K. Minimum ground clearance	1 ft 5 in (420 mm)	1 ft 5 in (420 mm)
L. Rear tail swing radius	8 ft 1 in (2 470 mm)	8 ft 1 in (2 470 mm)
Operating weight*	38,400 lb (17 400 kg)	38,900 lb (17 600 kg)
Ground pressure	5.9 psi (0.41 bar)	5.9 psi (0.41 bar)

NOTE: *With 23.6 in (600 mm) track shoe, 1,067 lb (484 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

	8 ft 7 in (2.62 m) Arm	10 ft 0 in (3.04 m) Arm
A. Maximum dig radius	30 ft 10 in (9 400 mm)	30 ft 9 in (9 380 mm)
B. Dig radius at groundline	29 ft 1 in (8 870 mm)	30 ft 3 in (9 220 mm)
C. Maximum dig depth	19 ft 11 in (6 060 mm)	21 ft 4 in (6 490 mm)
D. Dig depth - 8 ft 0 in (2.44 m) level bottom	19 ft 3 in (5 860 mm)	20 ft 8 in (6 290 mm)
E. Dump height	21 ft 8 in (6 610 mm)	21 ft 11 in (6 690 mm)
F. Maximum reach height	30 ft 4 in (9 240 mm)	30 ft 6 in (9 290 mm)
G. Bucket rotation	178°	178°
H. Maximum vertical wall dig depth	16 ft 8 in (5 080 mm)	17 ft 2 in (5 220 mm)
J. Minimum swing radius	9 ft 10 in (2 990 mm)	10 ft 0 in (3 050 mm)
Arm digging force:		
Standard	17,800 lbf (79 kN)	16,700 lbf (72 kN)
Power Boost	18,800 lbf (84 kN)	17,300 lbf (77 kN)
Bucket digging force:		
Standard	25,200 lbf (112 kN)	25,200 lbf (112 kN)
Power Boost	26,500 lbf (118 kN)	26,500 lbf (118 kN)

LIFT CAPACITIES

8 ft 7 in (2.62 m) Arm Lift capacities calculated using a 1,050 lb (476 kg) bucket, 6,943 lb (3 150 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)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	Ø	END	SIDE
+25 ft (7.5 m)							5,150 lb (2 336 kg)	5,150 lb (2 336 kg)			21 ft 0 in (6.40 m)	3,650 lb (1 656 kg)	3,650 lb (1 656 kg)
+20 ft (6 m)							7,100 lb (3 221 kg)	7,100 lb (3 221 kg)			25 ft 0 in (7.62 m)	3,300 lb (1 497 kg)	3,300 lb (1 497 kg)
+15 ft (4.5 m)							9,200 lb (4 173 kg)	7,000 lb (3 175 kg)	6,750 lb (3 062 kg)	4,650 lb (2 109 kg)	27 ft 4 in (8.33 m)	3,200 lb (1 451 kg)	3,200 lb (1 451 kg)
+10 ft (3 m)			18,500 lb (8 391 kg)	18,500 lb (8 391 kg)	13,350 lb (6 055 kg)	10,450 lb (4 740 kg)	10,400 lb (4 717 kg)	6,600 lb (2 994 kg)	7,150 lb (3 243 kg)	4,500 lb (2 041 kg)	28 ft 5 in (8.66 m)	3,250 lb (1 474 kg)	3,250 lb (1 474 kg)
+5 ft (1.5 m)			21,350 lb (9 684 kg)	17,600 lb (7 983 kg)	15,900 lb (7 212 kg)	9,600 lb (4 354 kg)	9,950 lb (4 513 kg)	6,150 lb (2 790 kg)	6,950 lb (3 152 kg)	4,250 lb (1 928 kg)	28 ft 7 in (8.71 m)	3,450 lb (1 565 kg)	3,350 lb (1 515 kg)
Groundline			17,200 lb (7 802 kg)	16,250 lb (7 371 kg)	15,150 lb (6 872 kg)	8,950 lb (4 060 kg)	9,550 lb (4 332 kg)	5,800 lb (2 631 kg)	6,750 lb (3 062 kg)	4,100 lb (1 860 kg)	27 ft 8 in (8.43 m)	3,850 lb (1 746 kg)	3,450 lb (1 565 kg)
-5 ft (-1.5 m)	13,450 lb (6 101 kg)	13,450 lb (6 101 kg)	21,950 lb (9 956 kg)	16,450 lb (7 462 kg)	14,850 lb (6 736 kg)	8,700 lb (3 946 kg)	9,400 lb (4 264 kg)	5,650 lb (2 563 kg)	6,700 lb (3 039 kg)	4,050 lb (1 837 kg)	25 ft 10 in (7.87 m)	4,550 lb (2 064 kg)	3,850 lb (1 746 kg)
-10 ft (-3 m)	19,550 lb (8 868 kg)	19,550 lb (8 868 kg)	28,000 lb (12 701 kg)	16,750 lb (7 598 kg)	14,950 lb (6 781 kg)	8,800 lb (3 992 kg)	9,500 lb (4 309 kg)	5,800 lb (2 631 kg)			22 ft 8 in (6.91 m)	6,000 lb (2 722 kg)	4,750 lb (2 155 kg)
-15 ft (-4.5 m)	28,400 lb (12 882 kg)	28,400 lb (12 882 kg)	22,600 lb (10 251 kg)	17,400 lb (7 893 kg)	15,100 lb (6 849 kg)	9,350 lb (4 241 kg)					17 ft 10 in (5.44 m)	10,550 lb (4 785 kg)	7,000 lb (3 175 kg)

10 ft 0 in (3.04 m) Arm Lift capacities calculated using a 950 lb (431 kg) bucket, 6,943 lb (3 150 kg) counterweight.

Load (Lift Point Height)	0 ft (0 m)		5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	Ø	END	SIDE
+25 ft (7.5 m)									4,850 lb (2 200 kg)	4,850 lb (2 200 kg)			22 ft 7 in (6.88 m)	3,400 lb (1 542 kg)	3,400 lb (1 542 kg)
+20 ft (6 m)									6,550 lb (2 971 kg)	6,550 lb (2 971 kg)	4,800 lb (2 177 kg)	4,800 lb (2 177 kg)	26 ft 4 in (8.03 m)	3,100 lb (1 406 kg)	3,100 lb (1 406 kg)
+15 ft (4.5 m)									8,400 lb (3 810 kg)	7,150 lb (3 243 kg)	6,550 lb (2 971 kg)	4,750 lb (2 155 kg)	28 ft 6 in (8.69 m)	3,050 lb (1 383 kg)	3,050 lb (1 383 kg)
+10 ft (3 m)					16,350 lb (7 416 kg)	16,350 lb (7 416 kg)	12,200 lb (5 534 kg)	10,700 lb (4 853 kg)	10,150 lb (4 604 kg)	6,700 lb (3 039 kg)	7,250 lb (3 289 kg)	4,550 lb (2 064 kg)	29 ft 7 in (9.02 m)	3,150 lb (1 429 kg)	3,150 lb (1 429 kg)
+5 ft (1.5 m)					24,150 lb (10 954 kg)	18,150 lb (8 233 kg)	15,900 lb (7 212 kg)	9,750 lb (4 423 kg)	10,050 lb (4 559 kg)	6,250 lb (2 835 kg)	7,000 lb (3 175 kg)	4,300 lb (1 950 kg)	29 ft 8 in (9.04 m)	3,350 lb (1 520 kg)	3,150 lb (1 429 kg)
Groundline			7,250 lb (3 289 kg)	7,250 lb (3 289 kg)	19,350 lb (8 777 kg)	16,550 lb (7 507 kg)	15,200 lb (6 895 kg)	9,000 lb (4 082 kg)	9,600 lb (4 354 kg)	5,850 lb (2 654 kg)	6,750 lb (3 062 kg)	4,100 lb (1 860 kg)	28 ft 10 in (8.79 m)	3,750 lb (1 701 kg)	3,250 lb (1 474 kg)
-5 ft (-1.5 m)	10,300 lb (4 672 kg)	10,300 lb (4 672 kg)	12,700 lb (5 761 kg)	12,700 lb (5 761 kg)	22,000 lb (9 979 kg)	16,250 lb (7 371 kg)	14,800 lb (6 713 kg)	8,650 lb (3 924 kg)	9,350 lb (4 241 kg)	5,650 lb (2 563 kg)	6,650 lb (3 016 kg)	4,000 lb (1 814 kg)	27 ft 1 in (8.26 m)	4,450 lb (2 018 kg)	3,550 lb (1 610 kg)
-10 ft (-3 m)	13,750 lb (6 237 kg)	13,750 lb (6 237 kg)	17,950 lb (8 142 kg)	17,950 lb (8 142 kg)	28,850 lb (13 086 kg)	16,500 lb (7 484 kg)	14,800 lb (6 713 kg)	8,700 lb (3 946 kg)	9,400 lb (4 264 kg)	5,650 lb (2 563 kg)			24 ft 1 in (7.34 m)	5,800 lb (2 631 kg)	4,300 lb (1 950 kg)
-15 ft (-4.5 m)			28,300 lb (12 837 kg)	28,300 lb (12 837 kg)	24,650 lb (11 181 kg)	17,050 lb (7 734 kg)	15,100 lb (6 849 kg)	9,050 lb (4 105 kg)					19 ft 7 in (5.97 m)	9,300 lb (4 218 kg)	6,000 lb (2 722 kg)

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

ENGINE

Isuzu AR-4JJ1X
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 – 16 ft 11 in (5.15 m)
Arm – 8 ft 7 in (2.62 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
Seatbelt – 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
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

23.6 in (600 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

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

Long arm – 10 ft 0 in (3.05 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

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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Form No. CCE201511CX160DLC

CX160D LC



ENGINE

Model	Isuzu AR-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 @ 1800 RPM:	160 hp (119.3 kW)
Net max. torque – SAE J1349 @ 1600 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	3.5 mph (5.6 km/h)
Max. low speed	2.1 mph (3.4 km/h)
Automatic downshift	
Drawbar pull	42,264 lbf (188 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

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	18 ft 8 in (5.70 m)
Arm options:	
Standard	9 ft 8 in (2.94 m)
Heavy-duty	7 ft 10 in (2.40 m)
Bucket digging force*	31,923 lbf (142 kN)
w/ Auto Power-Boost	34,621 lbf (154 kN)

NOTE: *Digging force ratings based on ISO6015.

OPERATING WEIGHT

Operating weight	48,900 lb (22 200 kg)
w/ shoes	2 ft 6.25 in (800 mm)
w/ boom	18 ft 8 in (5.7 m)
w/ arm	9 ft 8 in (2.94 m)
w/ bucket	1,433 lb (650 kg)
w/ counterweight	8,640 lb (3 920 kg)

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

GROUND PRESSURE

@ Standard operating weight 4.9 psi (0.34 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 x 2	55.7 gpm (211 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	4,264 psi (294 bar)
Pilot pump	1 x gear design
Max. capacity	4.8 gpm (18 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

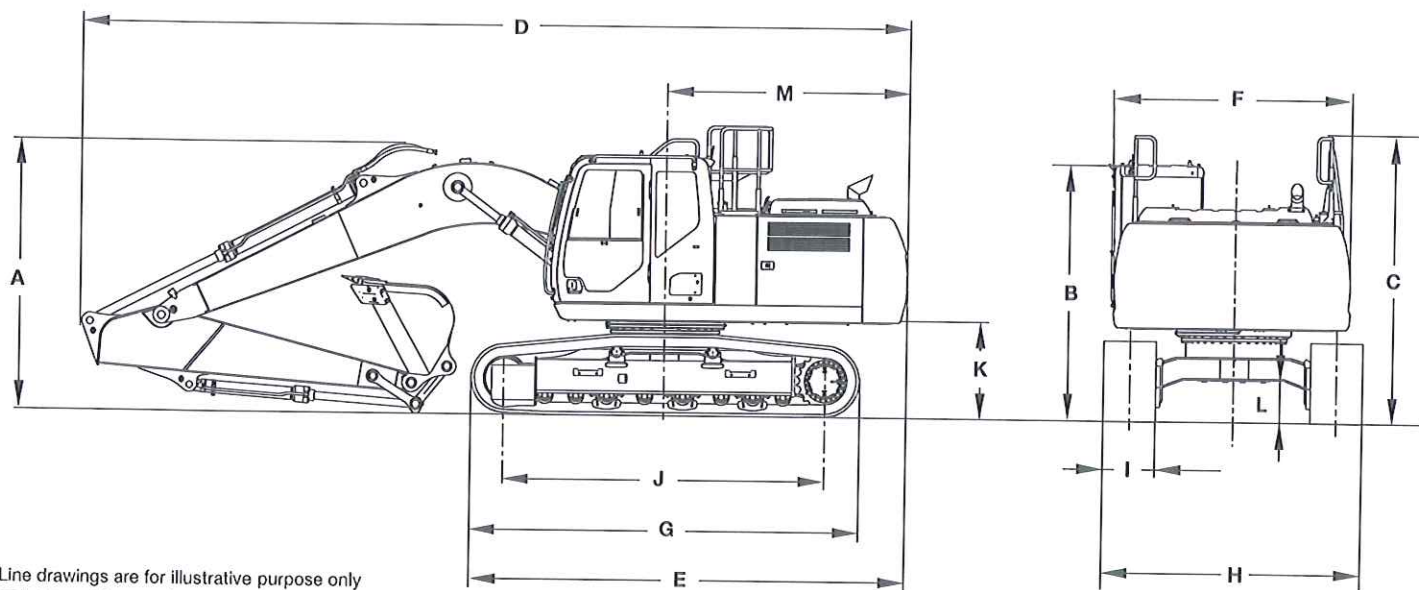
Boom cylinders	Two (2)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3.3 in (85 mm)
Cylinder stroke	49.4 in (1 255 mm)
Arm cylinder	One (1)
Cylinder bore	5.5 in (140 mm)
Cylinder rod diameter	3.9 in (100 mm)
Cylinder stroke	57.5 in (1 460 mm)
Bucket cylinder	One (1)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3.3 in (85 mm)
Cylinder stroke	39.8 in (1 010 mm)

SERVICE CAPACITIES

Fuel tank	108 gal (410.0 L)
Hydraulic system	66 gal (250.0 L)
Hydraulic Sump tank	39 gal (147.0 L)
Engine oil w/ filter	6.1 gal (23.1 L)
Swing drive	1.3 gal (5.0 L)
Final drive	1.3 gal (5.0 L)
Cooling system	8.3 gal (31.4 L)
DEF Tank	31.7 gal (120.0 L)

OTHER SPECIFICATIONS

Swing speed	11.5 RPM
Swing torque	47,204 lbf-ft (64 kN-m)
Swing brake	Mechanical disc
Undercarriage:	
Length	14 ft 8 in (4 470 mm)
Track gauge	7 ft 10 in (2 390 mm)
Carrier rollers	2
Track rollers	8
Shoes – triple grouser	49
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

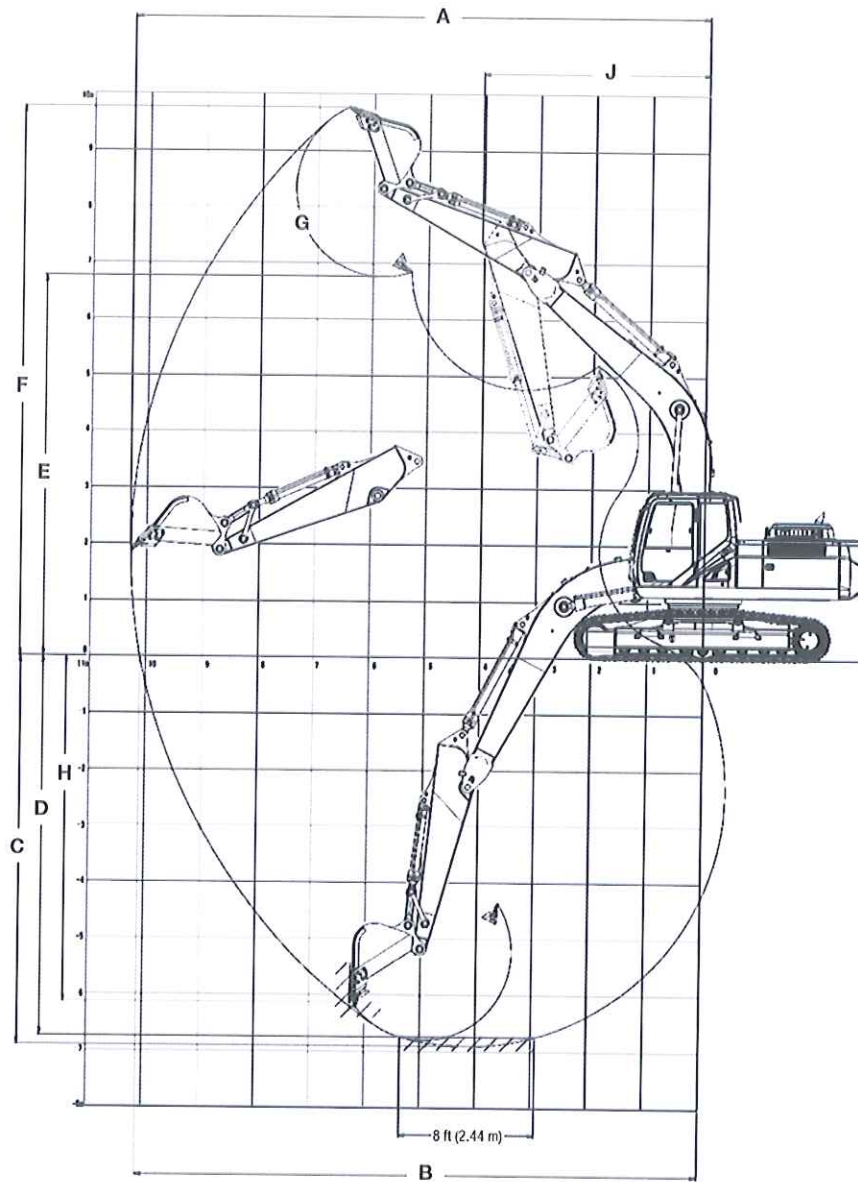


Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

	9 ft 8 in (2.94 m) Arm	7 ft 10 in (2.40 m) Arm
A. Overall height – with attachment	9 ft 8 in (2 980 mm)	10 ft 5 in (3 190 mm)
B. Cab height	9 ft 9 in (2 990 mm)	9 ft 9 in (2 990 mm)
C. Overall height to top of guardrail	10 ft 8 in (3 280 mm)	10 ft 8 in (3 280 mm)
D. Overall length – with attachment	30 ft 9 in (9 430 mm)	31 ft 2 in (9 510 mm)
E. Overall length – without attachment	16 ft 8 in (5 000 mm)	16 ft 8 in (5 000 mm)
F. Width of upper structure	9 ft 1 in (2 770 mm)	9 ft 1 in (2 770 mm)
G. Track overall length	14 ft 7 in (4 470 mm)	14 ft 7 in (4 470 mm)
H. Track overall width with 36.5 in (800 mm) shoes	10 ft 5 in (3 190 mm)	10 ft 5 in (3 190 mm)
I. Track shoe width	2 ft 2 in (800 mm)	2 ft 2 in (800 mm)
J. Center to center – idler to sprocket	12 ft 0 in (3 660 mm)	12 ft 0 in (3 660 mm)
K. Upper structure ground clearance	3 ft 4 in (1 050 mm)	3 ft 4 in (1 050 mm)
L. Minimum ground clearance	1 ft 4 in (440 mm)	1 ft 4 in (440 mm)
M. Rear tail swing radius	9 ft 1 in (2 770 mm)	9 ft 1 in (2 770 mm)
Operating weight*	48,900 lb (22 200 kg)	48,848 lb (22 181 kg)
Ground pressure	4.93 psi (0.34 bar)	4.93 psi (0.34 bar)

NOTE: *With 18 ft 8 in (5.70 m) boom, 31.5 in (800 mm) track shoe, 1,433 lb (650 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

	9 ft 8 in (2.94 m) Arm	7 ft 10 in (2.40 m) Arm
A. Maximum dig radius	32 ft 6 in (9 900 mm)	30 ft 11 in (9 420 mm)
B. Dig radius at groundline	31 ft 11 in (9 730 mm)	30 ft 4 in (9 240 mm)
C. Maximum dig depth	21 ft 7 in (6 620 mm)	20 ft 1 in (6 110 mm)
D. Dig depth - 8 ft 0 in (2.44 m) level bottom	21 ft 2 in (6 470 mm)	19 ft 4 in (5 900 mm)
E. Dump height	22 ft 3 in (6 810 mm)	21 ft 6 in (6 590 mm)
F. Maximum reach height	31 ft 5 in (9 610 mm)	30 ft 8 in (9 390 mm)
G. Bucket rotation	177°	177°
H. Maximum vertical wall dig depth	19 ft 6 in (5 960 mm)	17 ft 11 in (5 480 mm)
J. Minimum swing radius	12 ft 0 in (3 660 mm)	11 ft 11 in (3 620 mm)
Arm digging force:		
Standard	23,155 lbf (103 kN)	27,651 lbf (123 kN)
Power Boost	25,179 lbf (112 kN)	29,900 lbf (133 kN)
Bucket digging force:		
Standard	31,923 lbf (142 kN)	31,923 lbf (142 kN)
Power Boost	34,621 lbf (154 kN)	34,621 lbf (154 kN)

LIFT CAPACITIES

9 ft 8 in (2.94 m) Lift capacities using a 1,433 lb (650 kg) bucket, 8,642 lb (3 920 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)		MAXIMUM REACH		
	@	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)	20 ft 2 in (6.16 m)	6,250 lb* (2 980 kg)*	6,250 lb* (2 980 kg)*									5,100 lb* (2 950 kg)*	5,100 lb* (2 950 kg)*			25 ft 0 in (7.73 m)	5,000 lb* (2 260 kg)*	5,000 lb* (2 260 kg)*
+20 ft (6 m)	20 ft 1 in (6.11 m)	9,200 lb* (4 180 kg)*	9,200 lb* (4 180 kg)*									8,550 lb* (3 940 kg)*	7,850 lb* (3 660 kg)*			28 ft 4 in (8.69 m)	4,750 lb* (2 150 kg)*	4,750 lb* (2 150 kg)*
+15 ft (4.5 m)	16 ft 11 in (4.93 m)	11,350 lb* (4 870 kg)*	11,350 lb* (4 870 kg)*							10,300 lb* (4 760 kg)*	10,300 lb* (4 760 kg)*	9,800 lb* (4 490 kg)*	7,600 lb* (3 550 kg)*	5,700 lb* (3 180 kg)*	5,400 lb* (2 530 kg)*	30 ft 4 in (9.26 m)	4,700 lb* (2 140 kg)*	4,700 lb* (2 140 kg)*
+10 ft (3 m)	7 ft 3 in (2.23 m)	19,400 lb* (8 280 kg)*	19,400 lb* (8 280 kg)*			22,500 lb* (10 500 kg)*	22,500 lb* (10 500 kg)*	16,500 lb* (7 670 kg)*	16,350 lb* (7 580 kg)*	12,700 lb* (5 880 kg)*	10,550 lb* (4 900 kg)*	10,700 lb* (4 930 kg)*	7,300 lb* (3 400 kg)*	8,300 lb* (3 870 kg)*	5,300 lb* (2 460 kg)*	31 ft 3 in (9.53 m)	4,850 lb* (2 210 kg)*	4,850 lb* (2 200 kg)*
+5 ft (1.5 m)	8 ft 3 in (2.52 m)	9,350 lb* (4 220 kg)*	9,350 lb* (4 220 kg)*			20,300 lb* (8 580 kg)*	20,300 lb* (8 580 kg)*	20,550 lb* (9 540 kg)*	15,450 lb* (7 180 kg)*	14,850 lb* (6 860 kg)*	9,950 lb* (4 630 kg)*	11,000 lb* (5 110 kg)*	7,000 lb* (3 250 kg)*	8,150 lb* (3 790 kg)*	5,100 lb* (2 390 kg)*	31 ft 3 in (9.53 m)	5,200 lb* (2 350 kg)*	4,750 lb* (2 150 kg)*
Groundline	5 ft 8 in (1.72 m)	8,300 lb* (3 770 kg)*	8,300 lb* (3 770 kg)*			18,950 lb* (8 330 kg)*	18,950 lb* (8 330 kg)*	22,800 lb* (10 540 kg)*	14,600 lb* (6 780 kg)*	15,200 lb* (7 080 kg)*	9,500 lb* (4 410 kg)*	10,700 lb* (4 970 kg)*	6,700 lb* (3 130 kg)*	7,650 lb* (3 730 kg)*	5,000 lb* (2 330 kg)*	30 ft 6 in (9.28 m)	5,700 lb* (2 600 kg)*	4,900 lb* (2 220 kg)*
-5 ft (-1.5 m)	1 ft 7 in (0.48 m)	11,700 lb* (5 220 kg)*	11,700 lb* (5 220 kg)*	16,400 lb* (7 490 kg)*	16,400 lb* (7 490 kg)*	24,400 lb* (10 770 kg)*	24,400 lb* (10 770 kg)*	23,200 lb* (10 710 kg)*	14,350 lb* (6 660 kg)*	14,950 lb* (6 960 kg)*	9,250 lb* (4 300 kg)*	10,550 lb* (4 910 kg)*	6,600 lb* (3 070 kg)*			28 ft 8 in (8.76 m)	6,650 lb* (3 010 kg)*	5,350 lb* (2 430 kg)*
-10 ft (-3 m)	1 ft 7 in (0.48 m)	18,100 lb* (8 080 kg)*	18,100 lb* (8 080 kg)*	22,300 lb* (9 960 kg)*	22,300 lb* (9 960 kg)*	33,500 lb* (14 770 kg)*	28,750 lb* (13 430 kg)*	22,550 lb* (10 420 kg)*	14,500 lb* (6 730 kg)*	15,050 lb* (6 990 kg)*	9,350 lb* (4 340 kg)*	10,700 lb* (4 980 kg)*	6,750 lb* (3 130 kg)*			25 ft 11 in (7.92 m)	8,400 lb* (3 790 kg)*	6,350 lb* (2 860 kg)*
-15 ft (-4.5 m)	4 ft 0 in (1.16 m)	29,150 lb* (12 870 kg)*	29,150 lb* (12 870 kg)*	31,500 lb* (13 990 kg)*	31,500 lb* (13 990 kg)*	28,900 lb* (13 430 kg)*	28,750 lb* (13 990 kg)*	19,900 lb* (9 260 kg)*	14,950 lb* (6 940 kg)*	14,100 lb* (6 630 kg)*	9,850 lb* (4 550 kg)*					21 ft 8 in (6.67 m)	11,850 lb* (5 360 kg)*	8,500 lb* (3 790 kg)*

7 ft 10 in (2.40 m) Lift capacities using a 1,543 lb (700 kg) bucket, 8,642 lb (3 920 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)		MAXIMUM REACH		
	@	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)	18 ft 5 in (5.64 m)	5,600 lb* (2 680 kg)*	5,600 lb* (2 680 kg)*							8,700 lb* (3 510 kg)*	8,700 lb* (3 510 kg)*					22 ft 11 in (7.1 m)	7,400 lb* (3 340 kg)*	7,400 lb* (3 340 kg)*
+20 ft (6 m)	18 ft 4 in (5.57 m)	10,250 lb* (4 680 kg)*	10,250 lb* (4 680 kg)*							10,250 lb* (4 670 kg)*	10,250 lb* (4 670 kg)*	9,400 lb* (4 320 kg)*	7,600 lb* (3 550 kg)*			26 ft 7 in (8.14 m)	7,000 lb* (3 170 kg)*	6,750 lb* (3 020 kg)*
+15 ft (4.5 m)	13 ft 4 in (4.03 m)	13,250 lb* (6 870 kg)*	13,250 lb* (6 870 kg)*					13,600 lb* (6 320 kg)*	13,600 lb* (6 320 kg)*	11,300 lb* (5 240 kg)*	10,850 lb* (5 020 kg)*	10,450 lb* (4 840 kg)*	7,400 lb* (3 460 kg)*			28 ft 8 in (8.76 m)	6,950 lb* (3 140 kg)*	5,700 lb* (2 550 kg)*
+10 ft (3 m)	9 ft 9 in (3.00 m)	14,650 lb* (6 520 kg)*	14,650 lb* (6 520 kg)*			26,000 lb*	26,000 lb*	17,950 lb* (8 230 kg)*	16,250 lb* (7 530 kg)*	13,500 lb* (6 240 kg)*	10,300 lb* (4 780 kg)*	11,100 lb* (5 150 kg)*	7,150 lb* (3 320 kg)*	(3 580 kg)*	(2 400 kg)	29 ft 8 in (9.05 m)	7,150 lb* (3 240 kg)*	5,250 lb* (2 370 kg)*
+5 ft (1.5 m)	10 ft 7 in (3.21 m)	13,450 lb* (6 110 kg)*	13,450 lb* (6 110 kg)*					21,300 lb* (9 810 kg)*	15,050 lb* (6 990 kg)*	15,400 lb* (7 120 kg)*	9,750 lb* (4 530 kg)*	10,800 lb* (5 040 kg)*	6,850 lb* (3 180 kg)*	(3 740 kg)	(2 340 kg)	29 ft 8 in (9.05 m)	7,550 lb* (3 430 kg)*	5,100 lb* (2 320 kg)*
Groundline	8 ft 8 in (2.64 m)	12,750 lb* (5 790 kg)*	12,750 lb* (5 790 kg)*			17,000 lb* (7 480 kg)*	17,000 lb* (7 480 kg)*	23,100 lb* (10 680 kg)*	14,400 lb* (6 680 kg)*	15,050 lb* (7 010 kg)*	9,350 lb* (4 340 kg)*	10,600 lb* (4 920 kg)*	6,650 lb* (3 080 kg)*			28 ft 10 in (8.78 m)	8,350 lb* (3 780 kg)*	5,300 lb* (2 400 kg)*
-5 ft (-1.5 m)	3 ft 4 in (1.03 m)	12,350 lb* (5 520 kg)*	12,350 lb* (5 520 kg)*	18,050 lb* (8 040 kg)*	18,050 lb* (8 040 kg)*	25,150 lb* (11 120 kg)*	25,150 lb* (11 120 kg)*	23,050 lb* (10 640 kg)*	14,300 lb* (6 650 kg)*	14,900 lb* (6 940 kg)*	9,200 lb* (4 280 kg)*	10,550 lb* (4 900 kg)*	6,600 lb* (3 060 kg)*			27 ft 0 in (8.23 m)	9,400 lb* (4 260 kg)*	5,900 lb* (2 670 kg)*
-10 ft (-3 m)	3 ft 5 in (1.03 m)	22,050 lb* (9 830 kg)*	22,050 lb* (9 830 kg)*	25,150 lb* (11 250 kg)*	25,150 lb* (11 250 kg)*	31,800 lb* (14 690 kg)*	29,000 lb* (13 510 kg)*	21,850 lb* (10 090 kg)*	14,550 lb* (6 770 kg)*	15,050 lb* (7 000 kg)*	9,400 lb* (4 360 kg)*					23 ft 11 in (7.33 m)	11,450 lb* (5 140 kg)*	7,200 lb* (3 230 kg)*
-15 ft (-4.5 m)	6 ft 5 in (1.88 m)	42,150 lb* (16 900 kg)*	42,150 lb* (16 900 kg)*			25,950 lb* (12 080 kg)*	25,950 lb* (12 080 kg)*	18,100 lb* (8 460 kg)*	15,100 lb* (7 020 kg)*							19 ft 4 in (5.96 m)	12,050 lb* (5 500 kg)*	10,200 lb* (4 530 kg)*

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

ENGINE

Isuzu AR-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 – 18 ft 8 in (5.70 m)
Arm – 9 ft 8 in (2.94 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
Seatbelt – 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
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 – 7 ft 10 in (2.40 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) rubber link chain, bolt-on rubber pads on steel chain
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.

Form No. CCE201605CX210DT4
Replaces Form No. CCE201503CX210D

CX210D