

ENGINE

Model	Isuzu AM-4HK1X Tier 4 Interim Certified (Cooled EGR)
Fuel	Requires ultra low-sulfur fuel B5 biodiesel tolerant
Type	Water-cooled, 4-cycle, high pressure common rail system. Turbo-charged with air cooled intercooler, DPD system
Cylinders	4-cylinder in-line
Displacement	317 in ³ (5.2 L)
Bore / Stroke	4.53 in x 4.92 in (115 mm 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 oil operating angle ratings:	
Side-to-side	Rated 35° slope
Fore and aft	Rated 35° slope
Net horsepower @ 1800 RPM—SAE J1349:	160 hp (119.3 kW)
Net maximum torque @ 1500 RPM—SAE J1349:	458 lb-ft (621 N·m)
Cooling	110° to -13°F (43° to -25°C) at 55% concentration
Oil	Requires low-ash oil (CJ-4)

POWERTRAIN

Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc (each motor)
Two speed travel:	
Max. high speed	3.1 mph (5.0 kph)
Max. low speed	2.1 mph (3.2 kph)
Automatic downshift	
Drawbar pull	45,000 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 (2)	24 Volt/70 watt (1 x boom; 1 x upper)

OPERATOR ENVIRONMENT

Air-conditioner output	18,100 BTU/hr
Heater output	20,150 BTU/hr
Sound level—ISO6395:	
Inside cab	70 dBA
Electrical outlet	12 Volt
Cab interior light (1)	10 watt
Rear-view camera (1)	Standard
Seat	Air-suspension

OPERATING WEIGHT

Operating weight	56,907 lb (25 813 kg)
w/ shoes	23.6 in (600 mm)
w/ boom	18 ft 8 in (5.70 m)
w/ arm	9 ft 8 in (2.94 m)
w/ bucket	1,705 lb (794 kg)
w/ counterweight	17,000 lb (7700 kg)
w/ operator/full fuel/standard equipment	

HYDRAULICS

System design	Open center
Main pumps	Two variable displacement/ axial pistons
Max. rated flow	2 x 55.7 gpm (2 x 211 L/min)
System pressures:	
Boom, arm & bucket	4,970 psi (350 bar)
w/ power boost	5,330 psi (375 bar)
Travel circuits	4,970 psi (350 bar)
Swing circuits	4,260 psi (300 bar)
Pilot pump	1 x gear design
Max. capacity	4.8 gpm (18 L/min)
Controls	With boom/arm holding valve
Right track travel, bucket, boom and arm acceleration.	Four-spool section
Left track travel, auxiliary, swing, boom acceleration.	Five-spool section
Dozer blade	One-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
Boom cylinders	Two (2)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3.3 in (85 mm)
Cylinder stroke	53.5 in (1370 mm)

HYDRAULICS (CONT.)

Arm cylinder	One (1)
Cylinder bore	5.5 in (140 mm)
Cylinder rod diameter	3.9 in (100 mm)
Cylinder stroke	57.5 in (1460 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 (1010 mm)
Dozer blade	Two (2)
Cylinder bore	5.1 in (130 mm)
Cylinder rod diameter	3.2 in (80 mm)
Cylinder stroke	10.2 in (260 mm)

SERVICE CAPACITY

Fuel tank	85 gal (320 L)
Hydraulic system	67 gal (252 L)
Hydraulic tank	30 gal (114 L)
Engine oil w/ filter	6.1 gal (23.1 L)
Swing drive	5.3 qt (5.0 L)
Final drive (each side)	5.3 qt (5.0 L)
Cooling system	8.2 gal (30.9 L)

OTHER SPECIFICATIONS

Bucket digging force*	31,920 lbf (142 kN)
w/ Auto Power-Boost	34,170 lbf (152 kN)
*Digging force ratings based on ISO6015	
Swing speed	0 – 11.8 RPM
Swing torque	47,200 lb-ft (64 000 N·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	13 ft 7 in (4.18 m)
Track gauge	7 ft 2 in (2.2 m)
Carrier rollers	2 per side
Track rollers	7 per side
Shoes—triple grouser	46 per side
Shoe width (std.)	23.6 in (600 mm)
Link pitch	7.5 in (190 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic
Ground pressure @ standard operating weight w/ 31.5 in (800 mm) triple semi-grouser shoes:	8.4 psi (.58 bar)
Dozer blade:	
Width	9 ft 2 in (2800 mm)
Height	24.0 in (610 mm)
Max. lift above ground	19.3 in (490 mm)
Max. drop below ground	15.4 in (390 mm)

CX235C SR WITH DOZER BLADE OFF GROUND LIFT CAPACITIES

7 ft 10 in (2.40 m) Arm Lift capacities calculated using a 1,550 lb (703 kg) bucket, 17,000 lb (7700 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
+30 ft (9 m)					10,000 lb* (4536 kg)*	10,000 lb* (4536 kg)*					16 ft 8 in (5.08 m)	8,500 lb* (3856 kg)*	8,500 lb* (3856 kg)*
+25 ft (7.5 m)					8,050 lb* (3651 kg)*	8,050 lb* (3651 kg)*	9,800 lb* (4445 kg)*	9,800 lb* (4445 kg)*			22 ft 11 in (6.98 m)	7,300 lb* (3311 kg)*	7,300 lb* (3311 kg)*
+20 ft (6 m)					11,300 lb* (5126 kg)*	11,300 lb* (5126 kg)*	10,750 lb* (4876 kg)*	10,750 lb* (4876 kg)*	9,800 lb* (4445 kg)*	7,600 lb (3447 kg)	26 ft 5 in (8.05 m)	6,900 lb* (3130 kg)*	6,800 lb (3084 kg)
+15 ft (4.5 m)			18,000 lb* (8165 kg)*	18,000 lb* (8165 kg)*	14,350 lb* (6509 kg)*	14,350 lb* (6509 kg)*	11,900 lb* (5398 kg)*	10,800 lb (4899 kg)	10,750 lb* (4876 kg)*	7,450 lb (3379 kg)	28 ft 7 in (8.71 m)	6,850 lb* (3107 kg)*	5,800 lb (2631 kg)
+10 ft (3 m)			26,800 lb* (12 156 kg)*	26,800 lb* (12 156 kg)*	18,500 lb* (8391 kg)*	16,000 lb (7257 kg)	13,900 lb* (6305 kg)*	10,250 lb (4649 kg)	10,850 lb (4921 kg)	7,150 lb (3243 kg)	29 ft 6 in (8.99 m)	7,050 lb* (3198 kg)*	5,350 lb (2427 kg)
+5 ft (1.5 m)					21,650 lb* (9820 kg)*	14,900 lb (6759 kg)	15,000 lb (6804 kg)	9,750 lb (4423 kg)	10,550 lb (4785 kg)	6,900 lb (3130 kg)	29 ft 6 in (8.99 m)	7,500 lb* (3402 kg)*	5,200 lb (2359 kg)
Ground-line			17,500 lb* (7938 kg)*	17,500 lb* (7938 kg)*	22,850 lb* (10 365 kg)*	14,250 lb (6464 kg)	14,600 lb (6622 kg)	9,350 lb (4241 kg)	10,350 lb (4695 kg)	6,700 lb (3039 kg)	28 ft 7 in (8.71 m)	8,250 lb* (3742 kg)*	5,400 lb (2449 kg)
-5 ft (-1.5 m)	18,100 lb* (8210 kg)*	18,100 lb* (8210 kg)*	25,650 lb* (11 635 kg)*	25,650 lb* (11 635 kg)*	22,600 lb* (10 251 kg)*	14,150 lb (6418 kg)	14,450 lb (6554 kg)	9,200 lb (4173 kg)	10,350 lb (4695 kg)	6,650 lb (3016 kg)	26 ft 9 in (8.15 m)	9,350 lb (4241 kg)	6,050 lb (2744 kg)
-10 ft (-3 m)	25,300 lb* (11 476 kg)*	25,300 lb* (11 476 kg)*	29,950 lb* (13 585 kg)*	27,800 lb (12 610 kg)	20,950 lb* (9503 kg)*	14,400 lb (6532 kg)	14,550 lb* (6600 kg)*	9,400 lb (4264 kg)			23 ft 8 in (7.21 m)	11,350 lb* (5148 kg)*	7,350 lb (3334 kg)
-15 ft (-4.5 m)			23,450 lb* (10 637 kg)*	23,450 lb* (10 637 kg)*	16,550 lb* (7507 kg)*	14,750 lb (6690 kg)					19 ft 0 in (5.79 m)	11,150 lb* (5058 kg)*	10,450 lb (4740 kg)

9 ft 8 in (2.94 m) Arm Lift capacities calculated using a 1,450 lb (658 kg) bucket, 17,000 lb (7700 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)					4,700 lb* (2132 kg)*	4,700 lb* (2132 kg)*							19 ft 7 in (5.97 m)	5,650 lb* (2563 kg)*	5,650 lb* (2563 kg)*
+25 ft (7.5 m)							8,850 lb* (4014 kg)*	8,850 lb* (4014 kg)*					25 ft 0 in (7.62 m)	4,950 lb* (2245 kg)*	4,950 lb* (2245 kg)*
+20 ft (6 m)							9,850 lb* (4468 kg)*	9,850 lb* (4468 kg)*	8,950 lb* (4060 kg)*	7,850 lb (3561 kg)			28 ft 3 in (8.61 m)	4,700 lb* (2132 kg)*	4,700 lb* (2132 kg)*
+15 ft (4.5 m)			10,950 lb* (4967 kg)*	10,950 lb* (4967 kg)*	12,300 lb* (5579 kg)*	12,300 lb* (5579 kg)*	10,950 lb* (4967 kg)*	10,950 lb* (4967 kg)*	10,050 lb* (4559 kg)*	7,650 lb (3470 kg)	5,300 lb* (2404 kg)*	5,300 lb* (2404 kg)*	30 ft 2 in (9.19 m)	4,650 lb* (2109 kg)*	4,650 lb* (2109 kg)*
+10 ft (3 m)			23,800 lb* (10 795 kg)*	23,800 lb* (10 795 kg)*	17,100 lb* (7756 kg)*	16,250 lb (7371 kg)	13,200 lb* (5987 kg)*	10,500 lb (4763 kg)	11,000 lb (4990 kg)	7,350 lb (3334 kg)	7,950 lb* (3606 kg)*	5,350 lb (2427 kg)	31 ft 1 in (9.47 m)	4,850 lb* (2200 kg)*	4,850 lb* (2200 kg)*
+5 ft (1.5 m)			21,000 lb* (9525 kg)*	21,000 lb* (9525 kg)*	20,850 lb* (9457 kg)*	15,300 lb (6940 kg)	15,100 lb* (6849 kg)*	9,950 lb (4513 kg)	10,750 lb (4876 kg)	7,050 lb (3198 kg)	8,000 lb (3629 kg)	5,200 lb (2359 kg)	31 ft 1 in (9.47 m)	5,150 lb* (2336 kg)*	4,850 lb (2200 kg)
Ground-line			19,400 lb* (8800 kg)*	19,400 lb* (8800 kg)*	22,750 lb* (10 319 kg)*	14,450 lb (6554 kg)	14,750 lb (6690 kg)	9,500 lb (4309 kg)	10,450 lb (4740 kg)	6,800 lb (3084 kg)	6,800 lb* (3084 kg)*	5,100 lb (2313 kg)	30 ft 3 in (9.22 m)	5,700 lb* (2585 kg)*	5,000 lb (2268 kg)
-5 ft (-1.5 m)	16,250 lb* (7371 kg)*	16,250 lb* (7371 kg)*	24,800 lb* (11 249 kg)*	24,800 lb* (11 249 kg)*	22,850 lb* (10 365 kg)*	14,200 lb (6441 kg)	14,500 lb (6577 kg)	9,250 lb (4196 kg)	10,350 lb (4695 kg)	6,650 lb (3016 kg)			28 ft 6 in (8.69 m)	6,650 lb* (3016 kg)*	5,500 lb (2495 kg)
-10 ft (-3 m)	22,350 lb* (10 138 kg)*	22,350 lb* (10 138 kg)*	32,050 lb* (14 538 kg)*	27,750 lb (12 587 kg)	21,850 lb* (9911 kg)*	14,350 lb (6509 kg)	14,550 lb (6600 kg)	9,350 lb (4241 kg)	10,450 lb (4740 kg)	6,850 lb (3107 kg)			25 ft 8 in (7.82 m)	8,400 lb* (3810 kg)*	6,500 lb (2948 kg)
-15 ft (-4.5 m)	32,300 lb* (14 651 kg)*	32,300 lb* (14 651 kg)*	26,700 lb* (12 111 kg)*	26,700 lb* (12 111 kg)*	18,650 lb* (8459 kg)*	14,800 lb (6713 kg)	13,050 lb* (5919 kg)*	9,800 lb (4445 kg)					21 ft 4 in (6.50 m)	11,050 lb* (5012 kg)*	8,750 lb (3969 kg)

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

CX235C SR WITH DOZER BLADE ON GROUND LIFT CAPACITIES

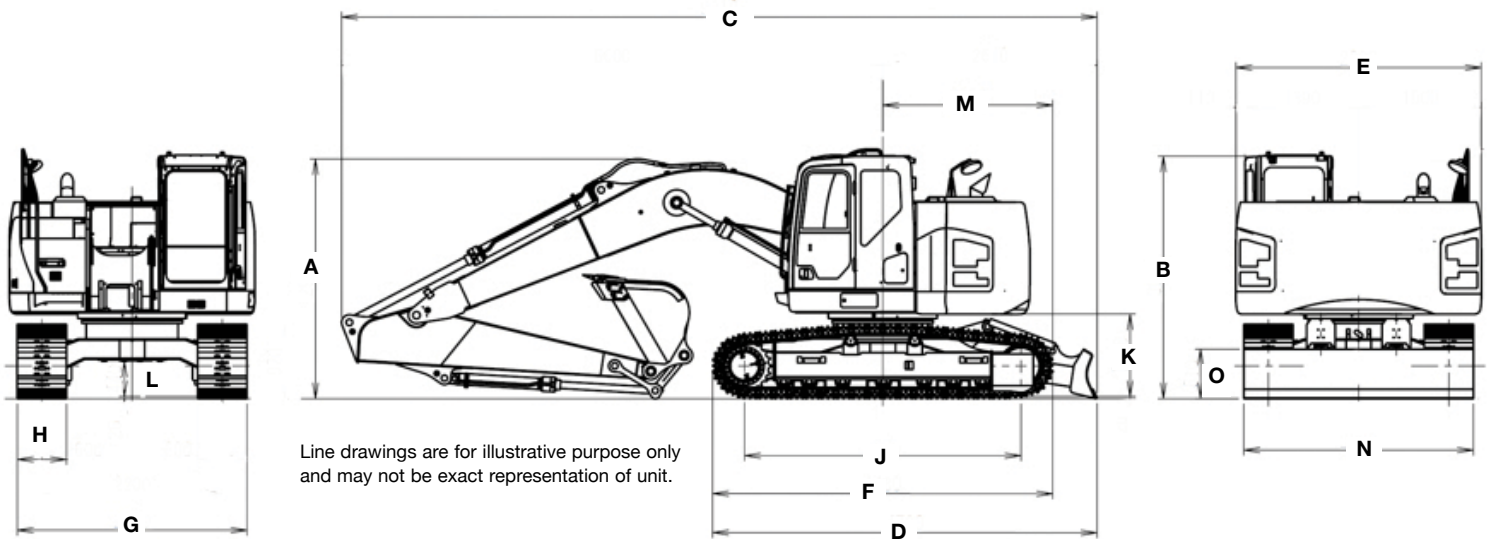
7 ft 10 in (2.40 m) Arm Lift capacities calculated using a 1,550 lb (703 kg) bucket, 17,000 lb (7700 kg) counterweight.

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		
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+30 ft (9 m)					10,000 lb* (4536 kg)*	10,000 lb* (4536 kg)*					16 ft 8 in (5.08 m)	8,500 lb* (3856 kg)*	8,500 lb* (3856 kg)*
+25 ft (7.5 m)					8,050 lb* (3651 kg)*	8,050 lb* (3651 kg)*	9,800 lb* (4445 kg)*	9,800 lb* (4445 kg)*			22 ft 11 in (6.98 m)	7,300 lb* (3311 kg)*	7,300 lb* (3311 kg)*
+20 ft (6 m)					11,300 lb* (5126 kg)*	11,300 lb* (5126 kg)*	10,750 lb* (4876 kg)*	10,750 lb* (4876 kg)*	9,800 lb* (4445 kg)*	7,950 lb (3606 kg)	26 ft 5 in (8.05 m)	6,900 lb* (3130 kg)*	6,900 lb* (3130 kg)*
+15 ft (4.5 m)			18,000 lb* (8165 kg)*	18,000 lb* (8165 kg)*	14,350 lb* (6509 kg)*	14,350 lb* (6509 kg)*	11,900 lb* (5398 kg)*	11,300 lb (5126 kg)	10,750 lb* (4876 kg)*	7,750 lb (3515 kg)	28 ft 7 in (8.71 m)	6,850 lb* (3107 kg)*	6,100 lb (2767 kg)
+10 ft (3 m)			26,800 lb* (12 156 kg)*	26,800 lb* (12 156 kg)*	18,500 lb* (8391 kg)*	16,800 lb (7620 kg)	13,900 lb* (6305 kg)*	10,750 lb (4876 kg)	11,650 lb* (5284 kg)*	7,500 lb (3402 kg)	29 ft 6 in (8.99 m)	7,050 lb* (3198 kg)*	5,600 lb (2540 kg)
+5 ft (1.5 m)					21,650 lb* (9820 kg)*	15,650 lb (7099 kg)	15,650 lb* (7099 kg)*	10,200 lb (4627 kg)	12,500 lb* (5670 kg)*	7,250 lb (3289 kg)	29 ft 6 in (8.99 m)	7,500 lb* (3402 kg)*	5,500 lb (2495 kg)
Ground-line			17,500 lb* (7938 kg)*	17,500 lb* (7938 kg)*	22,850 lb* (10 365 kg)*	15,000 lb (6804 kg)	16,550 lb* (7507 kg)*	9,800 lb (4445 kg)	12,850 lb* (5829 kg)*	7,000 lb (3175 kg)	28 ft 7 in (8.71 m)	8,250 lb* (3742 kg)*	5,700 lb (2585 kg)
-5 ft (-1.5 m)	18,100 lb* (8210 kg)*	18,100 lb* (8210 kg)*	25,650 lb* (11 635 kg)*	25,650 lb* (11 635 kg)*	22,600 lb* (10 251 kg)*	14,900 lb (6759 kg)	16,500 lb (7484 kg)	9,700 lb (4400 kg)	12,600 lb* (5715 kg)*	7,000 lb (3175 kg)	26 ft 9 in (8.15 m)	9,700 lb* (4400 kg)*	6,350 lb (2880 kg)
-10 ft (-3 m)	25,300 lb* (11 476 kg)*	25,300 lb (11 476 kg)	29,950 lb* (13 585 kg)*	29,200 lb (13 245 kg)	20,950 lb* (9503 kg)*	15,150 lb (6872 kg)	15,300 lb* (6940 kg)*	9,900 lb (4491 kg)			23 ft 8 in (7.21 m)	11,350 lb* (5148 kg)*	7,700 lb (3493 kg)
-15 ft (-4.5 m)			23,450 lb* (10 637 kg)*	23,450 lb* (10 637 kg)*	16,550 lb* (7507 kg)*	15,450 lb (7008 kg)					19 ft 0 in (5.79 m)	11,150 lb* (5058 kg)*	10,950 lb (4967 kg)

9 ft 8 in (2.94 m) Arm Lift capacities calculated using a 1,450 lb (658 kg) bucket, 17,000 lb (7700 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)					4,700 lb* (2132 kg)*	4,700 lb* (2132 kg)*							19 ft 7 in (5.97 m)	5,650 lb* (2563 kg)*	5,650 lb* (2563 kg)*
+25 ft (7.5 m)							8,850 lb* (4014 kg)*	8,850 lb* (4014 kg)*					25 ft 0 in (7.62 m)	4,950 lb* (2245 kg)*	4,950 lb* (2245 kg)*
+20 ft (6 m)							9,850 lb* (4468 kg)*	9,850 lb* (4468 kg)*	8,950 lb* (4060 kg)*	8,200 lb (3719 kg)			28 ft 3 in (8.61 m)	4,700 lb* (2132 kg)*	4,700 lb* (2132 kg)*
+15 ft (4.5 m)			10,950 lb* (4967 kg)*	10,950 lb* (4967 kg)*	12,300 lb* (5579 kg)*	12,300 lb* (5579 kg)*	10,950 lb* (4967 kg)*	10,950 lb* (4967 kg)*	10,050 lb* (4559 kg)*	8,000 lb (3629 kg)	5,300 lb* (2404 kg)*	5,300 lb* (2404 kg)*	30 ft 2 in (9.19 m)	4,650 lb* (2109 kg)*	4,650 lb* (2109 kg)*
+10 ft (3 m)			23,800 lb* (10 795 kg)*	23,800 lb* (10 795 kg)*	17,100 lb* (7756 kg)*	16,900 lb (7666 kg)	13,200 lb* (5987 kg)*	11,000 lb (4990 kg)	11,100 lb* (5035 kg)*	7,700 lb (3493 kg)	7,950 lb* (3606 kg)*	5,600 lb (2540 kg)	31 ft 1 in (9.47 m)	4,850 lb* (2200 kg)*	4,850 lb* (2200 kg)*
+5 ft (1.5 m)			21,000 lb* (9525 kg)*	21,000 lb* (9525 kg)*	20,850 lb* (9457 kg)*	16,050 lb (7280 kg)	15,150 lb* (6872 kg)*	10,400 lb (4717 kg)	12,200 lb* (5534 kg)*	7,350 lb (3334 kg)	8,700 lb* (3946 kg)*	5,450 lb (2472 kg)	31 ft 1 in (9.47 m)	5,150 lb* (2336 kg)*	5,100 lb (2313 kg)
Ground-line			19,400 lb* (8800 kg)*	19,400 lb* (8800 kg)*	22,750 lb* (10 319 kg)*	15,250 lb (6917 kg)	16,400 lb* (7439 kg)*	9,950 lb (4513 kg)	12,850 lb* (5829 kg)*	7,100 lb (3221 kg)	6,800 lb* (3084 kg)*	5,350 lb (2427 kg)	30 ft 3 in (9.22 m)	5,700 lb* (2585 kg)*	5,300 lb (2404 kg)
-5 ft (-1.5 m)	16,250 lb* (7371 kg)*	16,250 lb* (7371 kg)*	24,800 lb* (11 249 kg)*	24,800 lb* (11 249 kg)*	22,850 lb* (10 365 kg)*	14,950 lb (6781 kg)	16,600 lb* (7530 kg)*	9,750 lb (4423 kg)	12,850 lb* (5829 kg)*	7,000 lb (3175 kg)			28 ft 6 in (8.69 m)	6,650 lb* (3016 kg)*	5,800 lb (2631 kg)
-10 ft (-3 m)	22,350 lb* (10 138 kg)*	22,350 lb* (10 138 kg)*	32,050 lb* (14 538 kg)*	29,450 lb (13 358 kg)	21,850 lb* (9911 kg)*	15,100 lb (6849 kg)	16,000 lb* (7257 kg)*	9,850 lb (4468 kg)	11,650 lb* (5284 kg)*	7,150 lb (3243 kg)			25 ft 8 in (7.82 m)	8,400 lb* (3810 kg)*	6,850 lb (3107 kg)
-15 ft (-4.5 m)	32,300 lb* (14 651 kg)*	32,300 lb* (14 651 kg)*	26,700 lb* (12 111 kg)*	26,700 lb* (12 111 kg)*	18,650 lb* (8459 kg)*	15,550 lb (7053 kg)	13,050 lb* (5919 kg)*	10,250 lb (4649 kg)					21 ft 4 in (6.50 m)	11,050 lb* (5012 kg)*	9,150 lb (4150 kg)

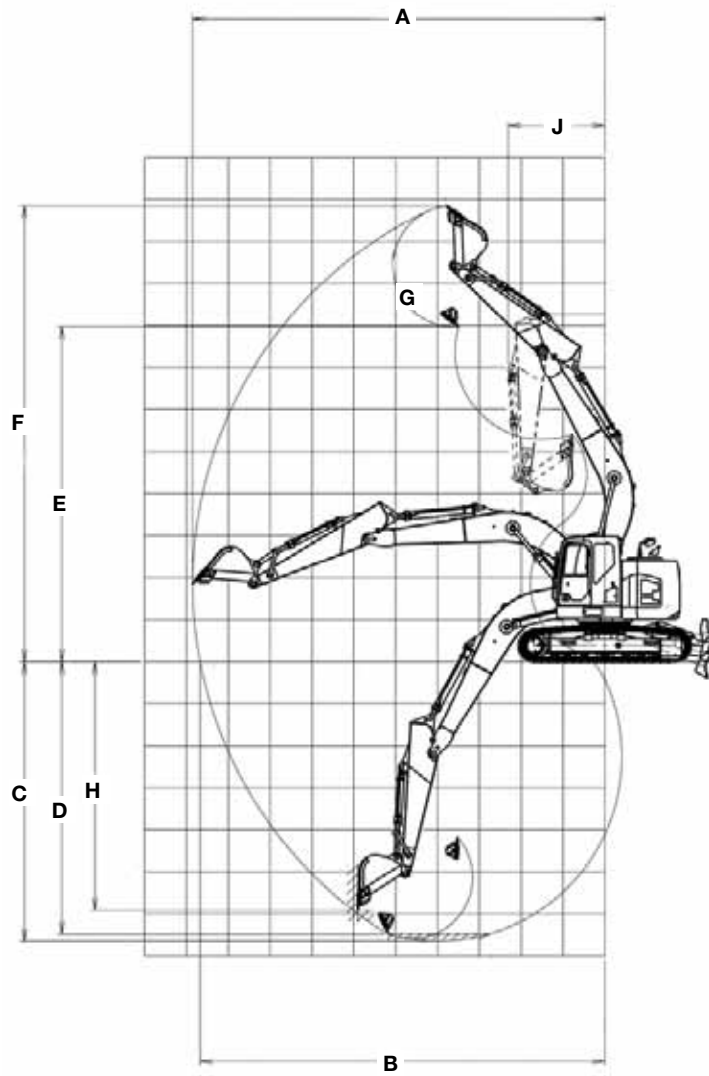
NOTE: *Lift capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity.
Capacities that are marked with an asterisk are hydraulic limited.



DIMENSIONS

	9 ft 8 in (2.94 m) Arm	7 ft 10 in (2.40 m) Arm
A. Overall height (w/ attachment)	10 ft 1 in (3.09 m)	10 ft 5 in (3.18 m)
B. Cab height	9 ft 8 in (3.00 m)	9 ft 8 in (3.00 m)
C. Overall length (w/ attachment)	30 ft 2 in (9.21 m)	30 ft 2 in (9.30 m)
D. Overall length (w/o attachment)	15 ft 4 in (4.70 m)	15 ft 4 in (4.70 m)
E. Width of upperstructure	9 ft 8 in (2.99 m)	9 ft 8 in (2.99 m)
F. Track overall length	13 ft 7 in (4.18 m)	13 ft 7 in (4.18 m)
G. Track overall width w/ 23.6 in (600 mm) shoes	9 ft 2 in (2.8 m)	9 ft 2 in (2.8 m)
H. Track shoe width	23.6 in (600 mm)	23.6 in (600 mm)
J. Center to center (idler to sprocket)	11 ft 1 in (3.37 m)	11 ft 1 in (3.37 m)
K. Upperstructure ground clearance	3 ft 4 in (1.02 m)	3 ft 4 in (1.02 m)
L. Minimum ground clearance	17 in (0.44 m)	17 in (0.44 m)
M. Rear tail swing radius	5 ft 9 in (1.79 m)	5 ft 9 in (1.79 m)
N. Dozer blade width	9 ft 2 in (2800 mm)	9 ft 2 in (2800 mm)
O. Dozer blade height	24.0 in (610 mm)	24.0 in (610 mm)
Operating weight*	56,907 lb (25 813 kg)	55,492 lb (25 171 kg)
Ground pressure	8.4 psi (.58 bar)	8.4 psi (.58 bar)

NOTE: *With 31.5 in (800 mm) track shoe, 1,550 lb (703 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 3 in (9.85 m)	30 ft 7 in (9.37 m)
B. Maximum dig radius at groundline	31 ft 7 in (9.67 m)	30 ft 1 in (9.18 m)
C. Maximum dig depth	21 ft 8 in (6.65 m)	20 ft 1 in (6.12 m)
D. Dig depth—8 ft 0 in (2.44 m) level bottom	21 ft 3 in (6.48 m)	19 ft 4 in (5.91 m)
E. Dump height	26 ft 2 in (7.97 m)	25 ft 0 in (7.63 m)
F. Maximum reach height	35 ft 6 in (10.86 m)	34 ft 5 in (10.52 m)
G. Bucket rotation	177°	177°
H. Maximum vertical wall dig depth	19 ft 4 in (5.92 m)	17 ft 10 in (5.48 m)
J. Minimum swing radius	7 ft 7 in (2.31 m)	8 ft 4 in (2.55 m)
Arm digging force:		
Standard	23,160 lb (103 kN)	27,650 lb (123 kN)
Power Boost	24,730 lb (110 kN)	29,670 lb (132 kN)
Bucket digging force:		
Standard	31,920 lb (142 kN)	31,920 lb (142 kN)
Power Boost	34,170 lb (152 kN)	34,170 lb (152 kN)

STANDARD EQUIPMENT

ENGINE

Isuzu four-cylinder turbo-charged diesel
Tier 4 Interim Certified (CEGR)
Electronic fuel injection
High pressure common rail system
Diesel Particulate Defuser System (DPD)
Neutral safety start
Auto-engine warm up
Glow-plug pre-heat
EPF (Engine Protection Feature)
Dual-stage fuel filtration
Dual element air filter
Remote oil filter
Green plug oil drain
500-hour engine oil change interval
24-volt system
Requires CJ-4 engine oil
Requires ultra-low sulfur fuel

FUEL ECONOMY SYSTEMS

Engine Idle / Fuel Economy System:
 Auto-idle
 One-touch idle
 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
Auto travel speed change
Selectable work modes
ISO pattern controls
Pre-set auxiliary pump settings

OPTIONAL EQUIPMENT

HYDRAULICS

Auxiliary hydraulics:
 Single acting / joystick activated
 Double acting / joystick activated
 Multi-function / joystick activated
 Secondary low-flow / joystick activated

ATTACHMENTS

Arm—7 ft 10 in (2.4 m)
Coupler / Case multi-pin grabber
Buckets:
 Heavy-duty
 Extreme-duty
Load holding control
Free swing (order kit through Service Parts)
Hose Burst Check Valve (HBCV)

BUCKETS

Application	Width	SAE Heaped Capacity
General Purpose	24 in to 48 in (0.61 m to 1.22 m)	0.65 yd ³ to 1.53 yd ³ (0.50 m ³ to 1.17 m ³)
Heavy-duty	24 in to 48 in (0.61 m to 1.22 m)	0.64 yd ³ to 1.51 yd ³ (0.49 m ³ to 1.15 m ³)
Extreme-duty	24 in to 42 in (0.61 m to 1.07 m)	0.58 yd ³ to 1.19 yd ³ (0.44 m ³ to 0.91 m ³)
Heavy-duty Coupler	24 in to 39 in (0.61 m to 0.99 m)	0.55 yd ³ to 1.03 yd ³ (0.42 m ³ to 0.79 m ³)
Ditching	60 in to 66 in (1.52 m to 1.68 m)	1.08 yd ³ to 1.20 yd ³ (0.83 m ³ to 0.92 m ³)

HYDRAULICS (CONT.)

Auxiliary valve
Auxiliary pipe brackets
5,000-hour hydraulic oil change interval
1,000-hour hydraulic filter change interval
SAHR brake

UPPERSTRUCTURE

Right and left side mirrors
Isolation mounted cab (fluid and spring)
Common key vandal locks
Upper mounted work light (70 watt)
Swivel guard belly pan

ATTACHMENTS

Boom—18 ft 8 in (5.7 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

OPERATOR STATION

ROPS protection
FOPS cab top guard (Level 1)
Pressurized cab
One-touch lock front window
AC / heat / defrost w/ auto climate control
Color monitor—7 in (180 mm)
Interior dome light
Air-suspension seat (cloth)
Seatbelt—3 in (76 mm)
Adjustable armrests

OPERATOR STATION

Control pattern selector
FOPS cab top guard (Level 2)
Front grill guard—2 x 2 screen mesh
Front rock guard—vertical bars
 (two piece) / OPG 1
Front rock guard—vertical bars
 (fixed / one piece) / OPG 2
Vandal guard
Rain deflector
Sun visor
Side-view camera

OPERATOR STATION (CONT.)

Tilting consoles—4-position
Low-effort joystick controls
Sliding cockpit—7 in (180 mm)
Controls pre-wired for auxiliary
Straight travel
AM/FM radio w/ antenna and 2 speakers
Aux-in port for personal electronics
Rear-view camera
Anti-theft system (start code system)
Rubber floor mat
12-volt electric outlet
24-volt cigarette lighter
External rear view mirrors
Windshield wiper / washer
Clear (polycarbonate) roof window w/ sunshade
Cup holder
Storage compartments
Warm / cool storage compartment
On-board diagnostic system
Travel alarm with cancel switch
One key start and lock-up

DOZER BLADE

Blade width—9 ft 1 in (2800 mm)
Blade height—24.0 in (610 mm)
Max. lift above ground—19.3 in (490 mm)
Max. drop below ground—15.4 in (390 mm)

UNDERCARRIAGE

23.6 in (600 mm) steel shoes, triple semi-grouser
Full overlap turntable bearing tub
Single track chain guides
Hydraulic track adjustment
X-pattern carbody

UNDERCARRIAGE

23.6 in (600 mm) rubber shoes
27.6 in (700 mm) steel shoes, triple semi-grouser
31.5 in (800 mm) steel shoes, triple semi-grouser

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

NOTE: All engines are compliant with 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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