

ENGINE

Model	Isuzu AL-6UZ1X 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	6-cylinder in-line
Displacement	600 cu in (9.8 L)
Bore/Stroke	4.72 x 5.71 in (120 x 145 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°
Fore and aft	Rated 35°
Net horsepower – SAE J1349	362 hp (270 kW) @ 2000 RPM (without fan pump activated)
Net horsepower – SAE J1349	329 hp (245 kW) @ 2000 RPM (with fan pump activated)
Net maximum torque – SAE J1349	1058 lb-ft (1435 N-m) @ 1500 RPM
Cooling	110° to -13° F (43° to -25° C) at 55% concentration
Oil	Requires low-ash oil (CJ-4)

SERVICE CAPACITIES

Fuel tank	172 gal (650 L)
Hydraulic system	122 gal (460 L)
Hydraulic tank	61 gal (230 L)
Engine oil w/filter	9.5 gal (36 L)
Swing drive	11.2 qt (10.5 L)
Final drive (each side)	15.8 qt (15 L)
Cooling system	12 gal (47 L)

ELECTRICAL

Voltage	24 volts
Alternator rating	50 amp
Batteries	2 x 12 volt
Battery reserve capacity	128 Ah / 5 hour
Work lights (5)	24 Volt / 70 watt (2 x boom; 1 x upper; 2 x cab)

SWING MECHANISM

Swing speed	0 - 9.1 RPM
Swing torque	111,000 lb-ft (150 000 N-m)
Swing brake	Mechanical disc

UNDERCARRIAGE

Length	17 ft 11 in (5.45 m)
Track gauge	9 ft 0 in (2.75 m)
Carrier rollers	2 per side
Track rollers	9 per side
Shoes -	
Triple grouser	50 per side
Shoe width (std.)	35.4 in (900 mm)
Link pitch	9.0 in (228.6 mm)
Track -	
Chain	Grease lubricated / strutted
Guides	Double
Adjustment	Hydraulic

GROUND PRESSURE

@ Standard operating weight	7.98 psi (0.55 bar)
w/ 35.4 in (900 mm) triple semi-grouser shoes	

HYDRAULICS

System design	Open center
Main pumps	Two variable displacement / axial piston
	Max. rated flow: 2 x 96.2 gpm (2 x 364 L/min)
System pressures -	
Boom, arm & bucket	4,550 psi (320 bar)
Boom, arm & bucket w/ Power Boost	4,980 psi (350 bar)
Travel circuits	4,980 psi (350 bar)
Swing circuits	4,270 psi (300 bar)
Pilot pump	1 x gear design Max. capacity: 7.9 gpm (30.0 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

Work Mode selections -	SP: Speed Priority H: Heavy Duty A: Automatic
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Swing motor	Fixed displacement axial piston
Swing final drive	Planetary gear reduction
Travel motor	Two-speed independent travel / axial piston

HYDRAULIC CYLINDERS

Boom cylinder	Two (2)
Bore diameter	6.7 in (170 mm)
Rod diameter	4.6 in (115 mm)
Stroke	61.0 in (1550 mm)
Arm cylinder	One (1)
Bore diameter	7.5 in (190 mm)
Rod diameter	5.1 in (130 mm)
Stroke	71.7 in (1820 mm)
Bucket cylinder	One (1)
Bore diameter	6.5 in (165 mm)
Rod diameter	4.6 in (115 mm)
Stroke	50.6 in (1285 mm)

DRIVETRAIN

Travel control -	Dual stage relief / counter balance design Single pedal travel / straight travel
Brakes	Mechanical disc type
Service brakes	SAHR disc (each motor)
Two speed travel -	
Max high speed	3.3 mph (5.3 kph)
Max. low speed	2.0 mph (3.2 kph)
	Automatic downshift
Drawbar pull	76,400 lbf (340 kN)
Gradeability	70% (35°)

CAB AND CONTROLS

Air-conditioner output	18,100 BTU/hr
Heater output	20,150 BTU/hr
Sound level – ISO6395 (inside cab)	71.0 dBA
Electrical outlet	12 volt
Cab interior light (1)	10 watt
Rear-view Camera (1)	Standard
Seat	Air-suspension

ATTACHMENT

Boom	22 ft 11 in (6.98 m)
Arm options	11 ft 1 in (3.38 m) 8 ft 4 in (2.53 m) 13 ft 1 in (4.00 m) 15 ft 11 in (4.85 m)
Bucket digging force *	55,530 lbf (247 kN)
w/ Auto Power-Boost	60,700 lbf (270 kN)

* Digging force ratings based on ISO6015

OPERATING WEIGHT

Operating weight	105,300 lb (47 763 kg)
w/ shoes	35.4 in (900 mm)
w/ boom	22 ft 11 in (6.98 m)
w/ arm	11 ft 1 in (3.38 m)
w/ bucket	3,197 lb (1450 kg)
w/ counterweight	20,280 lb (9200 kg)
w/ operator, full fuel, standard equipment	

LIFT CAPACITIES

CX470C with fixed undercarriage with 22 ft 11 in (6.98 m) Boom & 11 ft 1 in (3.38 m) Arm – ISO capacities, includes bucket weighing 3,195 lb (1449 kg).

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)		35 ft (10.5 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+30 ft (9 m)											12,250 lbs* (5557 kg)*	12,250 lbs* (5557 kg)*			30 ft 6 in (9.3 m)	10,600 lbs* (4808 kg)*	10,600 lbs* (4808 kg)*
+25 ft (7.5 m)											18,000 lbs* (8165 kg)*	16,350 lbs* (7416 kg)*			33 ft 10 in (10.3 m)	10,150 lbs* (4604 kg)*	10,150 lbs* (4604 kg)*
+20 ft (6 m)									21,650 lbs* (9820 kg)*	21,450 lbs* (9730 kg)	19,700 lbs* (8936 kg)*	15,950 lbs* (7235 kg)	14,100 lbs* (6396 kg)*	11,750 lbs* (5330 kg)	36 ft (11 m)	10,000 lbs* (4536 kg)*	10,000 lbs* (4536 kg)*
+15 ft (4.5 m)							29,250 lbs* (13 268 kg)*	29,250 lbs* (13 268 kg)*	24,150 lbs* (10 954 kg)*	20,950 lbs* (9503 kg)	21,100 lbs* (9571 kg)*	15,300 lbs* (6940 kg)	18,450 lbs* (8369 kg)*	11,450 lbs* (5194 kg)	37 ft 4 in (11.5 m)	10,200 lbs* (4627 kg)*	10,000 lbs* (4536 kg)
+10 ft (3 m)					45,800 lbs* (20 775 kg)*	44,050 lbs* (19 981 kg)	34,200 lbs* (15 513 kg)*	28,150 lbs* (12 769 kg)	26,900 lbs* (12 202 kg)*	19,750 lbs* (8958 kg)	22,550 lbs* (10 229 kg)*	14,600 lbs* (6622 kg)	18,450 lbs* (8369 kg)	11,100 lbs* (5035 kg)	37 ft 10 in (11.5 m)	10,600 lbs* (4808 kg)*	9,550 lbs* (4332 kg)*
+5 ft (1.5 m)					50,950 lbs* (23 111 kg)*	40,600 lbs* (18 416 kg)	37,750 lbs* (17 123 kg)*	26,350 lbs* (11 952 kg)	29,050 lbs* (13 177 kg)	18,700 lbs* (8482 kg)	23,250 lbs* (10 546 kg)	14,000 lbs* (6350 kg)	18,050 lbs* (8187 kg)	10,750 lbs* (4876 kg)	37 ft 7 in (11.5 m)	11,250 lbs* (5103 kg)*	9,450 lbs* (4286 kg)
Groundline			20,800 lbs* (9435 kg)*	20,800 lbs* (9435 kg)*	50,550 lbs* (22 929 kg)*	39,000 lbs* (17 690 kg)	39,000 lbs* (17 690 kg)	25,150 lbs* (11 408 kg)	30,050 lbs* (13 630 kg)*	17,950 lbs* (8142 kg)	22,750 lbs* (10 319 kg)	13,500 lbs* (6123 kg)	17,800 lbs* (8074 kg)	10,500 lbs* (4763 kg)	36 ft 7 in (11.2 m)	12,350 lbs* (5602 kg)*	9,750 lbs* (4423 kg)
-5 ft (-1.5 m)	22,400 lbs* (10 160 kg)*	22,400 lbs* (10 160 kg)*	32,600 lbs* (14 787 kg)*	32,600 lbs* (14 787 kg)*	52,450 lbs* (23 791 kg)*	39,200 lbs* (17 781 kg)	38,550 lbs* (17 486 kg)*	24,800 lbs* (11 249 kg)	29,800 lbs* (13 517 kg)*	17,650 lbs* (8006 kg)	22,550 lbs* (10 229 kg)	13,350 lbs* (6055 kg)			34 ft 10 in (10.3 m)	14,050 lbs* (6378 kg)*	10,550 lbs* (4785 kg)
-10 ft (-3 m)	35,550 lbs* (16 125 kg)*	35,550 lbs* (16 125 kg)*	44,400 lbs* (20 140 kg)*	44,400 lbs* (20 140 kg)*	48,700 lbs* (22 090 kg)*	39,700 lbs* (18 008 kg)	36,600 lbs* (16 601 kg)*	25,050 lbs* (11 362 kg)	28,350 lbs* (12 859 kg)*	17,800 lbs* (8074 kg)	21,850 lbs* (9911 kg)*	13,550 lbs* (6146 kg)			32 ft 3 in (9.8 m)	16,800 lbs* (7620 kg)*	12,100 lbs* (5488 kg)
-15 ft (-4.5 m)			56,600 lbs* (25 673 kg)*	56,600 lbs* (25 673 kg)*	41,950 lbs* (19 028 kg)*	39,900 lbs* (18 098 kg)	31,950 lbs* (14 492 kg)*	25,700 lbs* (11 657 kg)	24,150 lbs* (10 954 kg)*	18,450 lbs* (8369 kg)					28 ft 5 in (8.6 m)	17,500 lbs* (8051 kg)*	15,050 lbs* (6827 kg)
-20 ft (-6 m)					30,550 lbs* (13 857 kg)*	30,550 lbs* (13 857 kg)*	22,600 lbs* (10 251 kg)*	22,600 lbs* (10 251 kg)*							23 ft 1 in (7 m)	15,600 lbs* (7076 kg)*	15,600 lbs* (7076 kg)*

CX470C with fixed undercarriage with 22 ft 11 in (6.98 m) Boom & 8 ft 3 in (2.53 m) Arm – ISO capacities, includes bucket weighing 3,350 lb (1520 kg).

Load (Lift Point) Height	10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		35 ft (10.6 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+30 ft (9.1 m)							18,850 lbs* (8550 kg)*	18,850 lbs* (8550 kg)*					27 ft 1 in (8.3 m)	15,400 lbs* (6985 kg)*	15,400 lbs* (6985 kg)*
+25 ft (7.5 m)							21,950 lbs* (9956 kg)*	21,950 lbs* (9956 kg)	19,250 lbs* (8732 kg)*	15,850 lbs* (7189 kg)			30 ft 11 in (9.4 m)	14,650 lbs* (6645 kg)*	14,650 lbs* (6645 kg)*
+20 ft (6 m)					24,700 lbs* (11 204 kg)*	24,700 lbs* (11 204 kg)*	24,100 lbs* (10 932 kg)*	21,450 lbs* (9730 kg)	21,300 lbs* (9662 kg)*	15,550 lbs* (7053 kg)			33 ft 4 in (10.2 m)	14,450 lbs* (6554 kg)*	12,650 lbs* (5738 kg)
+15 ft (4.5 m)			41,300 lbs* (18 733 kg)*	41,300 lbs* (18 733 kg)*	32,250 lbs* (14 628 kg)*	29,200 lbs* (13 245 kg)*	26,050 lbs* (11 816 kg)*	20,400 lbs* (9253 kg)	22,800 lbs* (10,342 kg)*	15,000 lbs* (6804 kg)			34 ft 9 in (10.6 m)	14,700 lbs* (6668 kg)*	11,400 lbs* (5171 kg)
+10 ft (3 m)			49,200 lbs* (22 317 kg)*	41,850 lbs* (18 983 kg)	36,650 lbs* (16 624 kg)*	27,300 lbs* (12 383 kg)	28,400 lbs* (12 882 kg)*	19,350 lbs* (8777 kg)	23,550 lbs* (10,682 kg)	14,400 lbs* (6532 kg)	17,750 lbs* (8051 kg)*	11,000 lbs* (4990 kg)	35 ft 3 in (10.7 m)	15,200 lbs* (6895 kg)*	10,800 lbs* (4899 kg)
+5 ft (1.5 m)			40,200 lbs* (18 234 kg)*	38,900 lbs* (17 645 kg)	39,000 lbs* (17 690 kg)*	25,800 lbs* (11 703 kg)	30,000 lbs* (13 608 kg)*	18,500 lbs* (8391 kg)	23,150 lbs* (10 501 kg)	13,900 lbs* (6305 kg)	16,550 lbs* (7507 kg)*	10,800 lbs* (4899 kg)	35 ft (10.7 m)	16,150 lbs* (7326 kg)*	10,750 lbs* (4876 kg)
Ground-line			46,150 lbs* (20 933 kg)*	33,450 lbs* (17 441 kg)	39,050 lbs* (17 713 kg)*	25,000 lbs* (11 340 kg)	30,250 lbs* (13 721 kg)*	17,900 lbs* (8119 kg)	22,750 lbs* (10 319 kg)	13,550 lbs* (6146 kg)			34 ft (10.4 m)	17,600 lbs* (7983 kg)*	11,200 lbs* (5080 kg)
-5 ft (-1.5 m)	36,550 lbs* (16 579 kg)*	36,550 lbs* (16 579 kg)*	50,020 lbs* (22 770 kg)*	39,750 lbs* (18 030 kg)	37,950 lbs* (17 214 kg)*	25,050 lbs* (11 362 kg)	29,500 lbs* (13 381 kg)*	17,850 lbs* (8097 kg)	22,750 lbs* (10 319 kg)	13,600 lbs* (6169 kg)			32 ft 1 in (9.8 m)	20,000 lbs* (9072 kg)*	12,300 lbs* (5579 kg)
-10 ft (-3 m)	52,000 lbs* (23 587 kg)*	52,000 lbs* (23 587 kg)*	44,800 lbs* (20 321 kg)*	40,250 lbs* (18 257 kg)*	34,600 lbs* (15 694 kg)*	25,500 lbs* (11 567 kg)	26,700 lbs* (12 111 kg)*	18,250 lbs* (8278 kg)					29 ft 2 in (8.9 m)	19,250 lbs* (8732 kg)*	14,500 lbs* (6577 kg)
-15 ft (-4.5 m)	45,050 lbs* (20 434 kg)*	45,050 lbs* (20 434 kg)*	36,050 lbs* (16 352 kg)*	36,050 lbs* (16 352 kg)*	27,850 lbs* (12 633 kg)*	25,900 lbs* (11 748 kg)*							25 ft (7.6 m)	17,650 lbs* (8006 kg)*	17,650 lbs* (8006 kg)*

CX470C with fixed undercarriage with 22 ft 11 in (6.98 m) Boom & 13 ft 2 in (4.00 m) Arm – ISO capacities, includes bucket weighing 3,017 lb (1368 kg).

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)		35 ft (10.5 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+30 ft (9 m)											12,050 lbs* (5466 kg)*	12,050 lbs* (5466 kg)*			32 ft 9 in (10 m)	8,250 lbs* (3742 kg)*	8,250 lbs* (3742 kg)*
+25 ft (7.5 m)											15,550 lbs* (7053 kg)*	15,550 lbs* (7053 kg)*	10,500 lbs* (4763 kg)*	10,500 lbs* (4763 kg)*	35 ft 10 in (11 m)	7,900 lbs* (3583 kg)*	7,900 lbs* (3583 kg)*
+20 ft (6 m)											18,200 lbs* (8255 kg)*	16,450 lbs* (7462 kg)	14,700 lbs* (6668 kg)*	12,250 lbs* (5557 kg)	37 ft 11 in (11.6 m)	7,800 lbs* (3538 kg)*	7,800 lbs* (3538 kg)*
+15 ft (4.5 m)							22,700 lbs* (10 297 kg)*	22,700 lbs* (10 297 kg)*	22,850 lbs* (10 365 kg)*	21,600 lbs* (9798 kg)	20,100 lbs* (9117 kg)*	15,800 lbs* (7167 kg)	17,600 lbs* (7983 kg)*	11,900 lbs* (5398 kg)	39 ft 2 in (10.9 m)	7,950 lbs* (3606 kg)*	7,950 lbs* (3606 kg)*
+10 ft (3 m)			40,200 lbs* (18 234 kg)*	40,200 lbs* (18 234 kg)*	45,100 lbs* (20 457 kg)*	44,550 lbs* (20 208 kg)	32,450 lbs* (14 719 kg)*	29,050 lbs* (13 177 kg)	25,900 lbs* (11 748 kg)*	20,350 lbs* (9231 kg)	21,900 lbs* (9934 kg)*	15,050 lbs* (6827 kg)	18,800 lbs* (8528 kg)*	11,450 lbs* (5194 kg)	39 ft 7 in (12 m)	8,250 lbs* (3742 kg)*	8,250 lbs* (3742 kg)*
+5 ft (1.5 m)			17,800 lbs* (8074 kg)*	17,800 lbs* (8074 kg)*	50,300 lbs* (22 816 kg)*	41,950 lbs* (19 028 kg)	36,700 lbs* (16 647 kg)*	27,100 lbs* (12 292 kg)	28,450 lbs* (12 905 kg)*	19,200 lbs* (8709 kg)	23,400 lbs* (10 614 kg)*	14,350 lbs* (6509 kg)	18,350 lbs* (8323 kg)	11,000 lbs* (4990 kg)	39 ft 5 in (12 m)	8,800 lbs* (3992 kg)*	8,800 lbs* (3992 kg)*
Groundline			23,300 lbs* (10 569 kg)*	23,300 lbs* (10 569 kg)*	52,800 lbs* (23 950 kg)*	39,700 lbs* (18 008 kg)	38,850 lbs* (17 622 kg)	25,650 lbs* (11 635 kg)	29,950 lbs* (13,585 kg)*	18,300 lbs* (8301 kg)	23,000 lbs* (10 433 kg)	13,800 lbs* (6260 kg)	18,000 lbs* (8165 kg)	10,700 lbs* (4853 kg)	38 ft 6 in (11.7 m)	9,700 lbs* (4400 kg)*	9,100 lbs* (4128 kg)
-5 ft (-1.5 m)	21,800 lbs* (9888 kg)*	21,800 lbs* (9888 kg)*	31,200 lbs* (14 152 kg)*	31,200 lbs* (14,152 kg)*	53,400 lbs* (24 222 kg)*	39,200 lbs* (17 781 kg)	38,950 lbs* (17 667 kg)	24,950 lbs* (11 317 kg)	30,150 lbs* (13,676 kg)*	17,800 lbs* (8074 kg)	22,650 lbs* (10,274 kg)	13,450 lbs* (6101 kg)	17,850 lbs* (8097 kg)*	10,550 lbs* (4785 kg)	36 ft 10 in (11.2 m)	11,000 lbs* (4990 kg)*	9,750 lbs* (4423 kg)
-10 ft (-3 m)	31,750 lbs* (14 402 kg)*	31,750 lbs* (14 402 kg)*	40,800 lbs* (18 507 kg)*	40,800 lbs* (18 507 kg)*	51,000 lbs* (23 133 kg)*	39,500 lbs* (17 917 kg)	37,800 lbs* (17 146 kg)	25,000 lbs* (11,340 kg)	29,300 lbs* (13 290 kg)*	17,800 lbs* (8074 kg)	22,650 lbs* (10,274 kg)	13,500 lbs* (6123 kg)			34 ft 4 in (10.5 m)	13,100 lbs* (5942 kg)*	11,000 lbs* (4990 kg)
-15 ft (-4.5 m)	40,800 lbs* (18 507 kg)*	40,800 lbs* (18 507 kg)*	55,400 lbs* (25 129 kg)*	55,400 lbs* (25 129 kg)*	45,600 lbs* (20 684 kg)*	40,200 lbs* (18 234 kg)	34,400 lbs* (15 604 kg)	25,500 lbs* (11 567 kg)	26,450 lbs* (11 998 kg)*	18,200 lbs* (8255 kg)	19,450 lbs* (8822 kg)	14,000 lbs* (6350 kg)			30 ft 9 in (9.2 m)	16,750 lbs* (7598 kg)*	13,200 lbs* (5987 kg)
-20 ft (-6 m)			49,100 lbs* (22 271 kg)*	49,100 lbs* (22 271 kg)*	36,300 lbs* (16 465 kg)*	36,300 lbs* (16 465 kg)*	27,400 lbs* (12 428 kg)*	25,750 lbs* (11 680 kg)*	19,300 lbs* (8754 kg)*	18,500 lbs* (8391 kg)					26 ft (7.9 m)	16,550 lbs* (7507 kg)*	16,550 lbs* (7507 kg)*

*following number indicates hydraulic capacity

LIFT CAPACITIES

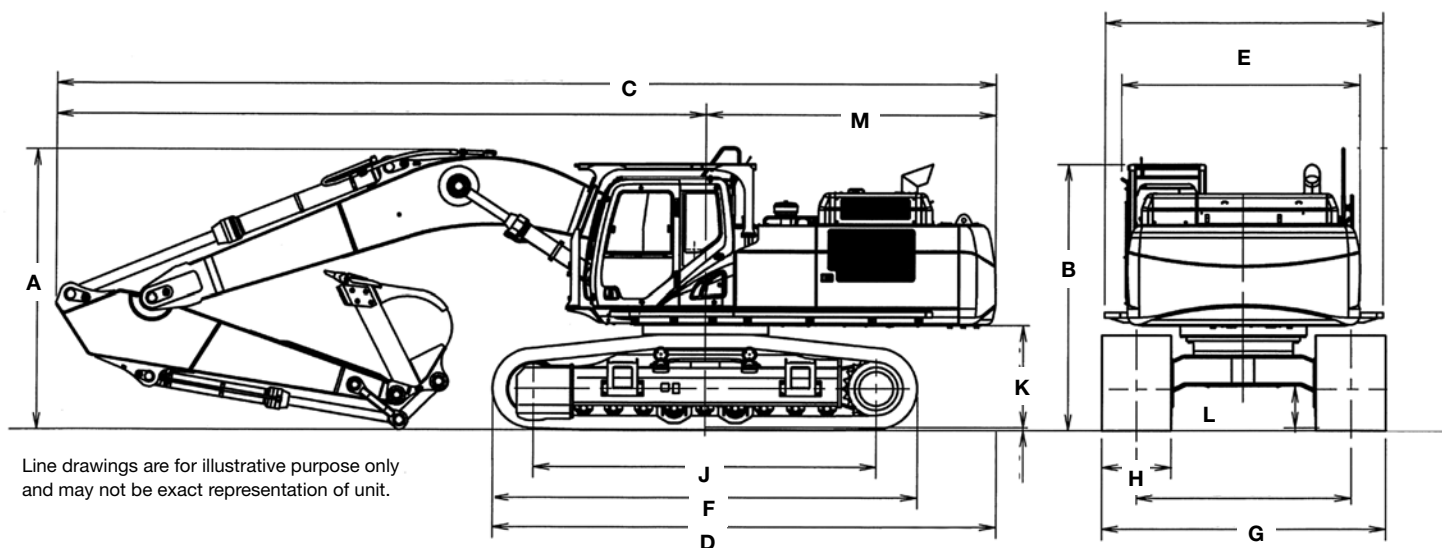
CX470C with fixed undercarriage with 22 ft 11 in (6.98 m) Boom & 15 ft 11 in (4.85 m) Arm – ISO capacities, includes bucket weighing 2,776 lb (1259 kg).

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)		35 ft (10.5 m)		40 ft (12.1 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+35 ft (10.6 m)																	32 ft 2 in (9.8 m)	7,500 lbs* (3402 kg)*	7,500 lbs* (3402 kg)*
+30 ft (9 m)													9,300 lbs* (4218 kg)*	9,300 lbs* (4218 kg)*			36 ft 2 in (11 m)	6,900 lbs* (3130 kg)*	6,900 lbs* (3130 kg)*
+25 ft (7.5 m)													12,250 lbs* (5557 kg)*	12,250 lbs* (5557 kg)*			38 ft 11 in (11.9 m)	6,600 lbs* (2994 kg)*	6,600 lbs* (2994 kg)*
+20 ft (6 m)											16,600 lbs* (7530 kg)*	16,350 lbs (7416 kg)	13,950 lbs* (6328 kg)*	12,550 lbs (5693 kg)			40 ft 10 in (12.4 m)	6,500 lbs* (2948 kg)*	6,500 lbs* (2948 kg)*
+15 ft (4.5 m)											18,150 lbs* (8233 kg)*	16,200 lbs (7348 kg)	15,900 lbs* (7212 kg)*	12,100 lbs (5488 kg)	8,750 lbs* (3969 kg)*	8,750 lbs* (3969 kg)*	42 ft (12.8 m)	6,550 lbs* (2971 kg)*	6,550 lbs* (2971 kg)*
+10 ft (3 m)					38,750 lbs* (17 577 kg)*	38,750 lbs* (17 577 kg)*	29,200 lbs* (13 245 kg)*	29,200 lbs* (13 245 kg)*	23,750 lbs* (10 773 kg)*	20,900 lbs (9480 kg)	20,300 lbs* (9208 kg)*	15,350 lbs (6963 kg)	17,800 lbs* (8074 kg)*	11,600 lbs (5262 kg)	11,300 lbs* (5126 kg)*	9,150 lbs (4150 kg)	42 ft 5 in (13 m)	6,800 lbs* (3084 kg)*	6,800 lbs* (3084 kg)*
+5 ft (1.5 m)			26,750 lbs* (12 134 kg)*	26,750 lbs* (12 134 kg)*	48,050 lbs* (21 795 kg)*	43,500 lbs (19 731 kg)	34,150 lbs* (15 490 kg)*	27,750 lbs (12 587 kg)	26,750 lbs* (12 134 kg)*	19,550 lbs (8868 kg)	22,200 lbs* (10 070 kg)*	14,500 lbs (6577 kg)	18,450 lbs (8369 kg)	11,050 lbs (5012 kg)	12,900 lbs* (5851 kg)*	8,850 lbs (4014 kg)	42 ft 3 in (12.9 m)	7,200 lbs* (3266 kg)*	7,200 lbs* (3266 kg)*
Groundline			23,650 lbs* (10 727 kg)*	23,650 lbs* (10 727 kg)*	51,050 lbs* (23 156 kg)*	40,250 lbs (18 257 kg)	37,450 lbs* (16,987 kg)*	25,950 lbs (11 771 kg)	28,900 lbs* (13,109 kg)*	18,400 lbs (8346 kg)	23,050 lbs (10 455 kg)	13,800 lbs (6260 kg)	17,950 lbs (8142 kg)	10,600 lbs (4808 kg)	13,650 lbs* (6192 kg)*	8,600 lbs (3901 kg)	41 ft 4 in (12.6 m)	7,850 lbs* (3561 kg)*	7,850 lbs* (3561 kg)*
-5 ft (-1.5 m)	18,750 lbs* (8505 kg)*	18,750 lbs* (8505 kg)*	28,600 lbs* (12 973 kg)*	28,600 lbs* (12 973 kg)*	52,800 lbs* (23 950 kg)*	38,700 lbs (17 554 kg)	38,650 lbs* (17 531 kg)*	24,750 lbs (11 226 kg)	29,800 lbs* (13,517 kg)*	17,650 lbs (8006 kg)	22,500 lbs (10 206 kg)	13,300 lbs (6033 kg)	17,650 lbs (8006 kg)	10,350 lbs (4695 kg)	12,800 lbs* (5806 kg)*	8350 lbs (3787 kg)	39 ft 10 in (12.1 m)	8,800 lbs* (3992 kg)*	8,350 lbs (3787 kg)
-10 ft (-3 m)	26,750 lbs* (12 134 kg)*	26,750 lbs* (12 134 kg)*	36,000 lbs* (16 329 kg)*	36,000 lbs* (16 329 kg)*	52,250 lbs* (23 700 kg)*	38,600 lbs (17 509 kg)	38,150 lbs* (17 305 kg)*	24,500 lbs (11,113 kg)	29,450 lbs* (13 358 kg)*	17,400 lbs (7893 kg)	22,350 lbs (10,138 kg)	13,150 lbs (5965 kg)	17,650 lbs (8006 kg)	10,300 lbs (4672 kg)			37 ft 6 in (11.4 m)	10,300 lbs* (4672 kg)*	9,250 lbs (4196 kg)
-15 ft (-4.5 m)	34,950 lbs* (15 853 kg)*	34,950 lbs* (15 853 kg)*	46,400 lbs* (21 047 kg)*	46,400 lbs* (21 047 kg)*	48,700 lbs* (22 090 kg)*	39,100 lbs (17,735 kg)	36,100 lbs* (16 375 kg)*	24,750 lbs (11 226 kg)	27,900 lbs* (12 655 kg)*	17,600 lbs (7983 kg)	21,750 lbs* (9866 kg)*	13,350 lbs (6055 kg)					34 ft 4 in (10.5 m)	12,650 lbs* (5738 kg)*	10,800 lbs (4899 kg)
-20 ft (-6 m)	44,500 lbs* (20 185 kg)*	44,500 lbs* (20 185 kg)*	59,050 lbs* (26 785 kg)*	59,050 lbs* (26 785 kg)*	41 800 lbs* (18 960 kg)*	39,450 lbs (17 894 kg)	31,350 lbs* (14 220 kg)*	25,500 lbs (11 567 kg)	23,750 lbs* (10 773 kg)*	18,300 lbs (8301 kg)	16,100 lbs (7303 kg)	13,750 lbs* (6237 kg)*					30 ft 1 in (9.2 m)	15,750 lbs* (7144 kg)*	13,650 lbs (6192 kg)
-25 ft (-7.6 m)			40,750 lbs* (18 484 kg)*	40,750 lbs* (18 484 kg)*	29,900 lbs* (13 562 kg)*	29,900 lbs* (13 562 kg)*	21,800 lbs* (9888 kg)*	21,800 lbs* (9888 kg)*									24 ft 1 in (7.3 m)	13,950 lbs* (6328 kg)*	13,950 lbs* (6328 kg)*

CX470C with fixed undercarriage with 21 ft 6 in (6.55 m) Boom & 8 ft 3 in (2.53 m) Arm – ISO capacities, includes bucket weighing 5,291 lb (2400 kg).

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)									18,950 lbs* (8596 kg)*	18,950 lbs* (8596 kg)*			26 ft 3 in (8 m)	13,450 lbs* (6101 kg)*	13,450 lbs* (6101 kg)*
+25 ft (7.5 m)									20,700 lbs* (9389 kg)*	20,700 lbs* (9389 kg)*	12,850 lbs* (5829 kg)*	12,850 lbs* (5829 kg)*	30 ft (9.1 m)	12,650 lbs* (5738 kg)*	12,650 lbs* (5738 kg)*
+20 ft (6 m)							24,500 lbs* (11 113 kg)*	24,500 lbs* (11 113 kg)*	22,750 lbs* (10 319 kg)*	20,550 lbs (9321 kg)	20,000 lbs* (9072 kg)*	14,350 lbs (6509 kg)	32 ft 5 in (9.8 m)	12,300 lbs* (5579 kg)*	11,950 lbs (5420 kg)
+15 ft (4.5 m)			36,700 lbs* (16 647 kg)*	36,700 lbs* (16 647 kg)*	38,250 lbs* (17 350 kg)*	38,250 lbs* (17 350 kg)*	30,650 lbs* (13 903 kg)*	28,750 lbs* (13 041 kg)*	24,850 lbs* (11 272 kg)*	19,600 lbs (8890 kg)	21,200 lbs* (9616 kg)*	13,850 lbs (6282 kg)	33 ft 10 in (10.3 m)	12,400 lbs* (5625 kg)*	10,600 lbs (4808 kg)
+10 ft (3 m)					45,850 lbs* (20 797 kg)*	42,750 lbs (19 391 kg)	34,950 lbs* (15 853 kg)*	26,900 lbs (12 202 kg)	27,100 lbs* (12 292 kg)*	18,500 lbs (8391 kg)	22,300 lbs* (10 115 kg)*	13,300 lbs (6033 kg)	34 ft 5 in (10.5 m)	12,850 lbs* (5829 kg)*	10,000 lbs (4536 kg)
+5 ft (1.5 m)					51,350 lbs* (23 292 kg)*	39,400 lbs (17,872 kg)	37,450 lbs* (16 987 kg)*	25,200 lbs (11 431 kg)	28,550 lbs* (12 950 kg)*	17,550 lbs (7961 kg)	20,214 lbs (9169 kg)	12,750 lbs (5783 kg)	34 ft 1 in (10.4 m)	13,750 lbs* (6237 kg)*	9,900 lbs (4491 kg)
Groundline			29,700 lbs* (13 472 kg)*	29,700 lbs* (13 472 kg)*	52,250 lbs* (23 700 kg)*	38,150 lbs (17 305 kg)	37,650 lbs* (17 078 kg)*	24,150 lbs (10 954 kg)	28,750 lbs* (13 041 kg)*	16,850 lbs (7643 kg)	21,700 lbs (9843 kg)	12,350 lbs (5602 kg)	33 ft 1 in (10 m)	15,250 lbs* (6917 kg)*	10,450 lbs (4740 kg)
-5 ft (-1.5 m)	28,950 lbs* (13 131 kg)*	28,950 lbs* (13 131 kg)*	43,100 lbs* (19 550 kg)*	43,100 lbs* (19 550 kg)*	49,650 lbs* (22 521 kg)*	38,700 lbs (17 554 kg)	36,600 lbs* (16 601 kg)*	23,950 lbs (10 864 kg)	27,900 lbs* (12 655 kg)*	16,650 lbs (7552 kg)	21,000 lbs* (9525 kg)*	12,450 lbs (5647 kg)	31 ft 1 in (9.5 m)	17,750 lbs* (8051 kg)*	11,650 lbs (5284 kg)
-10 ft (-3 m)			59,400 lbs* (26 943 kg)*	59,400 lbs* (26 943 kg)*	44,050 lbs* (19 981 kg)*	39,150 lbs (17 758 kg)	33,100 lbs* (15 014 kg)*	24,450 lbs (11 090 kg)	24,600 lbs* (11 158 kg)*	17,150 lbs (7779 kg)			28 ft 2 in (8.6 m)	18,000 lbs* (8165 kg)*	14,100 lbs (6396 kg)
-15 ft (-4.5 m)			44,550 lbs* (20 208 kg)*	44,550 lbs* (20 208 kg)*	34,250 lbs* (15 536 kg)*	34,250 lbs* (15 536 kg)*	25,300 lbs* (11 476 kg)*	24,600 lbs (11 158 kg)					23 ft 10 in (7.2 m)	15,850 lbs* (7189 kg)*	15,850 lbs* (7189 kg)*

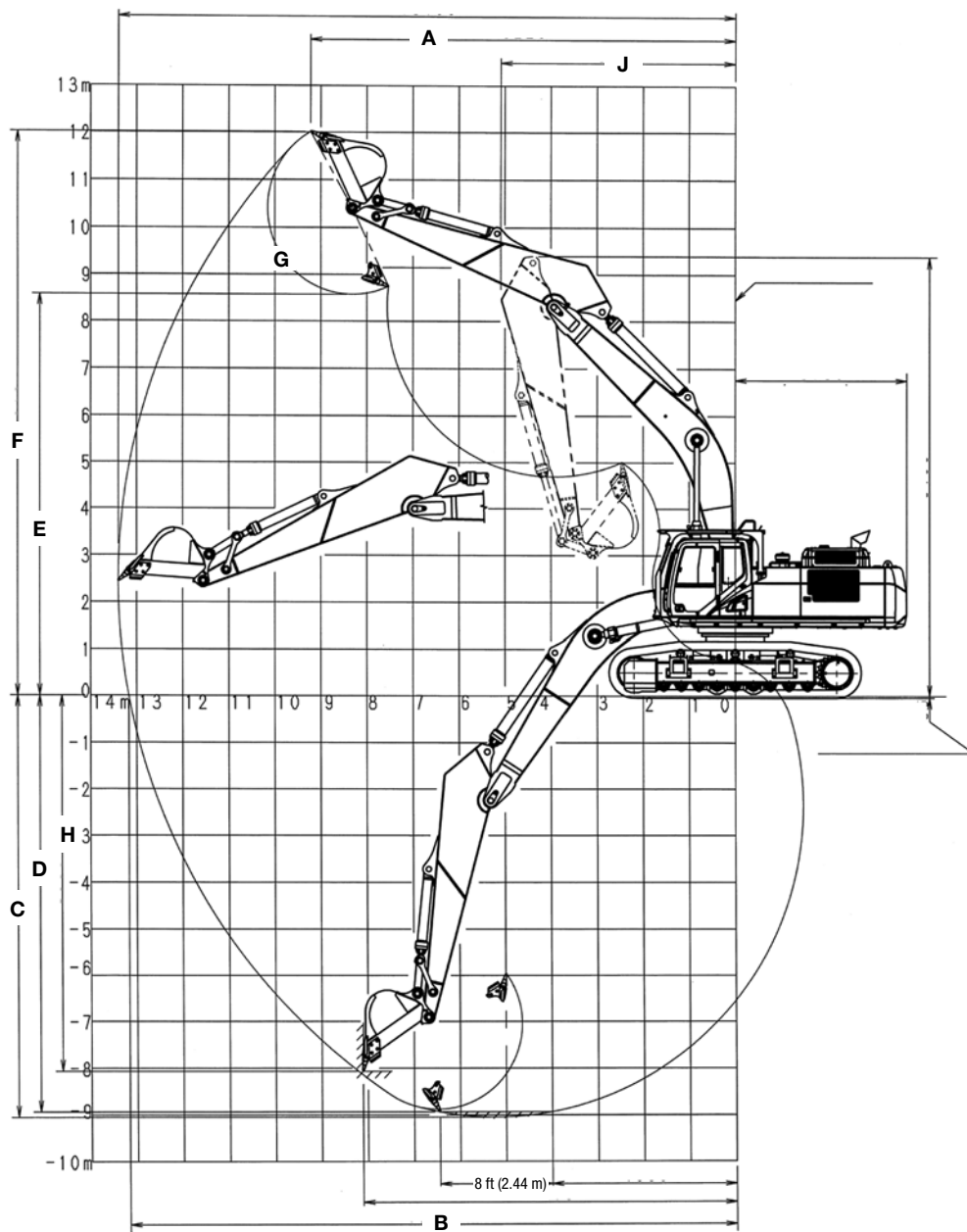
* following number indicates hydraulic capacity



DIMENSIONS

	11 ft 1 in (3.38 m) Arm	8 ft 4 in (2.53 m) Arm	13 ft 1 in (4.00 m) Arm	15 ft 11 in (4.85 m) Arm
A. Overall height (w/ attachment)	11 ft 11 in (3.62 m)	12 ft 0 in (3.65 m)	11 ft 10 in (3.60 m)	14 ft 5 in (4.40 m)
B. Cab height (w/ head guard)	11 ft 3 in (3.44 m)	11 ft 3 in (3.44 m)	11 ft 3 in (3.44 m)	11 ft 3 in (3.44 m)
C. Overall length (w/ attachment)	39 ft 7 in (12.06 m)	39 ft 9 in (12.11 m)	40 ft 8 in (12.40 m)	39 ft 9 in (12.12 m)
D. Overall length (w/o attachment)	21 ft 2 in (6.45 m)	21 ft 2 in (6.45 m)	21 ft 2 in (6.45 m)	21 ft 2 in (6.45 m)
E. Width of upperstructure (w/o catwalks)	10 ft 0 in (3.06 m)	10 ft 0 in (3.06 m)	10 ft 0 in (3.06 m)	10 ft 0 in (3.06 m)
Width of upperstructure (w catwalks)	11 ft 9 in (3.59 m)	11 ft 9 in (3.59 m)	11 ft 9 in (3.59 m)	11 ft 9 in (3.59 m)
F. Track overall length	17 ft 11 in (5.45 m)	17 ft 11 in (5.45 m)	17 ft 11 in (5.45 m)	17 ft 11 in (5.45 m)
G. Track overall width w/ 35.4 in (900 mm) shoes	12 ft 0 in (3.65 m)	12 ft 0 in (3.65 m)	12 ft 0 in (3.65 m)	12 ft 0 in (3.65 m)
H. Track shoe width	35.4 in (900 mm)	35.4 in (900 mm)	35.4 in (900 mm)	35.4 in (900 mm)
J. Center to center (idler to sprocket)	14 ft 5 in (4.40 m)	14 ft 5 in (4.40 m)	14 ft 5 in (4.40 m)	14 ft 5 in (4.40 m)
K. Upperstructure ground clearance	4 ft 4 in (1.33 m)	4 ft 4 in (1.33 m)	4 ft 4 in (1.33 m)	4 ft 4 in (1.33 m)
L. Minimum ground clearance	21 in (0.54 m)	21 in (0.54 m)	21 in (0.54 m)	21 in (0.54 m)
M. Rear tail swing radius	12 ft 3 in (3.73 m)	12 ft 3 in (3.73 m)	12 ft 3 in (3.73 m)	12 ft 3 in (3.73 m)
Operating weight *	105,300 lb (47 763 kg)	104,861 lb (47 564 kg)	105,377 lb (47 798 kg)	106,122 lb (48 136 kg)
Ground pressure	7.98 psi (0.55 bar)	7.91 psi (0.55 bar)	7.98 psi (0.55 bar)	8.01 psi (0.55 bar)

* Machine equipped with 22 ft. 11 in. (6.15) boom



PERFORMANCE SPECS

	11 ft 1 in (3.38 m) Arm	8 ft 4 in (2.53 m) Arm	13 ft 1 in (4.00 m) Arm	15 ft 11 in (4.85 m) Arm
A. Maximum dig radius	39 ft 4 in (12.00 m)	36 ft 10 in (11.23 m)	41 ft 2 in (12.55 m)	44 ft 0 in (13.40 m)
B. Maximum dig radius at groundline	38 ft 7 in (11.77 m)	36 ft 1 in (10.99 m)	40 ft 5 in (12.33 m)	43 ft 4 in (13.20 m)
C. Maximum dig depth	25 ft 4 in (7.72 m)	22 ft 6 in (6.87 m)	27 ft 4 in (8.34 m)	30 ft 0 in (9.20 m)
D. Dig depth - 8 ft (2.44 m) level bottom	24 ft 10 in (7.58 m)	21 ft 11 in (6.69 m)	26 ft 11 in (8.21m)	29 ft 9 in (9.08 m)
E. Dump height	25 ft 5 in (7.74 m)	24 ft 4 in (7.42 m)	26 ft 1 in (7.94 m)	27 ft 7 in (8.42 m)
F. Maximum reach height	36 ft 7 in (11.14 m)	35 ft 6 in (10.82 m)	37 ft 2 in (11.34 m)	38 ft 11 in (11.86 m)
G. Bucket rotation	176°	176°	176°	176°
H. Maximum vertical wall dig depth	21 ft 7 in (6.57 m)	18 ft 7 in (5.67 m)	23 ft 6 in (7.16 m)	27 ft 0 in (8.22 m)
J. Minimum swing radius	16 ft 4 in (4.99 m)	16 ft 10 in (5.14 m)	16 ft 6 in (5.04 m)	16 ft 8 in (5.09 m)
Arm digging force:				
Standard	42,490 lbf (189.0 kN)	52,160 lbf (232.0 kN)	37,090 lbf (165.0 kN)	32,600 lbf (145.0 kN)
Power Boost	46,311 lbf (206.0 kN)	57,100 lbf (254.0 kN)	40,690 lbf (181.0 kN)	35,745 lbf (159.0 kN)
Bucket digging force:				
Standard	55,530 lbf (247.0 kN)	55,530 lbf (247.0 kN)	55,530 lbf (247.0 kN)	55,530 lbf (247.0 kN)
Power Boost	60,700 lbf (270.0 kN)	60,700 lbf (270.0 kN)	60,700 lbf (270.0 kN)	60,700 lbf (270.0 kN)

STANDARD EQUIPMENT

ENGINE

Isuzu six-cylinder turbo-charged diesel
Tier 4-a (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
FEA (Fuel Economy Assist System)
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

OPTIONAL EQUIPMENT

HYDRAULICS

Auxiliary Hydraulics –
Single acting / joystick activated
Double acting / joystick activated
Secondary low-flow / joystick activated

ATTACHMENT

Heavy-duty arm - 8 ft 4 in (2.53 m)
Arm - 13 ft 1 in (4.00 m)
Arm - 15 ft 11 in (4.85 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
Heavy-duty	48 in to 60 in (1.22 to 1.52 m)	2.03 yd ³ to 2.63 yd ³ (1.55 m ³ to 2.01 m ³)
Extra heavy-duty	48 in to 60 in (1.22 to 1.52 m)	2.61 yd ³ to 3.37 yd ³ (2.0 m ³ to 2.58 m ³)
Severe-duty	48 in to 60 in (1.22 to 1.52 m)	2.03 yd ³ to 2.63 yd ³ (1.55 m ³ to 2.01 m ³)
Ditching	TBD	TBD

HYDRAULICS (continued)

Pre-set auxiliary pump settings
Reversible fan system
Auxiliary valve
Auxiliary pipe brackets
5,000 hour hydraulic oil change interval
1,000 hour hydraulic filter change interval
Hydraulic track adjustment
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

ATTACHMENT

Boom – 22 ft 11 in (6.98 m)
Arm – 11 ft 1 in (3.38 m)
Heavy-duty bucket linkage
Boom mounted work lights (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)
Cab mounted work lights (70 watt)

OPERATOR STATION (continued)

Interior dome light (10 watt)
Air-suspension seat (cloth)
Adjustable armrests
Tilting consoles - 4-position
Low-effort joystick controls
Sliding cockpit (7 in / 180 mm)
Controls pre-wired for auxiliary
Single pedal travel
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 socket
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 & lock-up

UNDERCARRIAGE

35.4 in (900 mm) steel shoes, triple semi-grouser
Full overlap turntable bearing tub
Track guides
Hydraulic track adjustment
X-pattern carbody

UPPERSTRUCTURE

Refueling pump
Rubber bumper guard
(order through Service Parts)
Catwalk - left and right side

UNDERCARRIAGE

29.6 in (750 mm) steel shoes, triple semi-grouser
Track guides - full length

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

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: 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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All Case construction equipment is biodiesel ready.



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