

ENGINE

| | | |
|------------------------------------|---|--|
| Model | Isuzu AL-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 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 operation angle ratings | Side-to-side Rated 35° Fore and aft Rated 35° | |
| Net horsepower—SAE J1349 | 177 hp (132.1 kW) @ 2000 RPM | |
| Net maximum torque—SAE J1349 | 458 lb-ft (621 N·m) @ 1800 RPM | |
| Cooling | 110° to -13°F (43° to -25°C) at 55% concentration | |
| Oil | Requires low-ash oil (CJ-4) | |

SERVICE CAPACITIES

| | |
|-------------------------|------------------|
| Fuel tank | 108 gal (410 L) |
| Hydraulic system | 66 gal (250 L) |
| Hydraulic tank | 39 gal (147 L) |
| Engine oil w/ filter | 7.8 gal (29.6 L) |
| Swing drive | 10.3 qt (9.7 L) |
| Final drive (each side) | 5.3 qt (5 L) |
| Cooling system | 32 qt (30.2 L) |

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 |

SWING MECHANISM

| | |
|--------------|---------------------------|
| Swing speed | 0-10.6 RPM |
| Swing torque | 55,300 lb-ft (74 900 N·m) |
| Swing brake | Mechanical disc |

UNDERCARRIAGE

| | |
|-----------------|--|
| Length | 15 ft 3 in (4.65 m) |
| Track gauge | 8 ft 6 in (2.6 m) |
| Carrier rollers | 2 per side |
| Track rollers | 9 per side |
| Shoes | Triple grouser 51 per side Shoe width (Std.) 31.5 in (800 mm) Link pitch 7.5 in (190 mm) |
| Track | Chain Grease lubricated / strutted Guides Single Adjustment Hydraulic |

GROUND PRESSURE

| | |
|---|------------------------|
| @ Standard operating weight | 5.37 psi (0.37 bar) |
| w/ 31.5 in (800 mm) triple semi-grouser shoes | |

HYDRAULICS

| | |
|--------------------------------------|---|
| System design | Open center |
| Main pumps | Two-variable displacement / axial piston |
| Max rated flow | 2 x 61.8 gpm (2 x 234 L/min) |
| System pressures | Boom, arm & bucket 4,970 psi (350 bar) Boom, arm & bucket w/ power boost 5,330 psi (375 bar) Travel circuits 4,970 psi (350 bar) Swing circuits 4,190 psi (295 bar) |
| Pilot pump | 1 x gear design Max capacity 5.3 gpm (20 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 |

| | |
|-------------------|--|
| 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 | 5.1 in (130 mm) |
| Rod diameter | 3.5 in (90 mm) |
| Stroke | 52.6 in (1335 mm) |
| Arm cylinder | One (1) |
| Bore diameter | 5.7 in (145 mm) |
| Rod diameter | 4.1 in (105 mm) |
| Stroke | 65.4 in (1660 mm) |
| Bucket cylinder | One (1) |
| Bore diameter | 5.1 in (130 mm) |
| Rod diameter | 3.5 in (90 mm) |
| Stroke | 42.1 in (1070 mm) |

DRIVETRAIN

| | |
|------------------|---|
| Travel control | Dual stage relief / counter balance design Single pedal travel / straight travel |
| Brakes | Mechanical disc |
| Service brakes | SAHR disc (each motor) |
| Two speed travel | Automatic downshift |
| Max high speed | 3.4 mph (5.4 kph) |
| Max low speed | 2.0 mph (3.2 kph) |
| Drawbar pull | 45,200 lbf (201 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) | 70.0 dBa |
| Electrical outlet | 12 Volt |
| Cab Interior light (1) | 10 watt |
| Rear-view camera (1) | Standard |
| Seat | Air-suspension |

ATTACHMENTS

| | |
|---|---|
| Boom | 19 ft 2 in (5.85 m) |
| Arm options | 9 ft 10 in (3.00 m) 11 ft 6 in (3.50 m) Heavy-duty 8 ft 2 in (2.50 m) |
| Bucket digging force* | 36,420 lbf (162 kN) |
| w/ Auto Power-Boost | 39,120 lbf (174 kN) |
| *Digging force ratings based on ISO6015 | |

OPERATING WEIGHT

| | |
|--|-----------------------|
| Operating weight | 55,400 lb (25 100 kg) |
| w/ shoes | 31.5 in (800 mm) |
| w/ boom | 19 ft 2 in (5.85 m) |
| w/ arm | 9 ft 10 in (3.00 m) |
| w/ bucket | 1,786 lb (810 kg) |
| w/ counterweight | 11,900 lb (5400 kg) |
| w/ operator / full fuel / standard equipment | |

LIFT CAPACITIES

9 ft 10 in (3.0 m) Arm Lift capacities calculated using a 1,800 lb (810 kg) bucket, 11,900 lb (5400 kg) counterweight.

| Load (Lift Point) Height | 5 ft (1.5 m) | | 10 ft (3 m) | | 15 ft (4.5 m) | | 20 ft (6 m) | | 25 ft (7.5 m) | | 30 ft (9 m) | | MAXIMUM REACH | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|-----------------------|---------------------|------------------------|------------------------|-----------------------|
| | END | SIDE | END | SIDE | END | SIDE | END | SIDE | END | SIDE | END | SIDE | @ | END | SIDE | |
| +25 ft (7.5m) | | | | | | | | | 8,450 lbs* (4120 kg)* | 8,450 lbs* (4120 kg)* | | | 26.7 ft (8.23 m) | 5,250 lbs* (2360 kg)* | 5,250 lbs* (2360 kg)* | |
| +20 ft (6 m) | | | | | | | | | 10,400 lbs* (4760 kg)* | 10,150 lbs (4730 kg) | (2820 kg)* | (2820 kg)* | 29.78 ft (9.12 m) | 4,950 lbs* (2240 kg)* | 4,950 lbs* (2240 kg)* | |
| +15 ft (4.5 m) | | | | | | | | 13,200 lbs* (6120 kg)* | 13,200 lbs* (6120 kg)* | 12,100 lbs* (5600 kg)* | 9,850 lbs (4590 kg) | 9,000 lbs* (4440 kg)* | 7,050 lbs (3300 kg) | 31.61 ft (9.66 m) | 4,900 lbs* (2220 kg)* | 4,900 lbs* (2220 kg)* |
| +10 ft (3 m) | | | 28,450 lbs* (13 290 kg)* | 28,450 lbs* (13 290 kg)* | 20,700 lbs* (9620 kg)* | 20,700 lbs* (9620 kg)* | 15,950 lbs* (7380 kg)* | 13,700 lbs (6360 kg) | 13,500 lbs* (6230 kg)* | 9,450 lbs (4410 kg) | 10,450 lbs (4880 kg) | 6,900 lbs (3210 kg) | 32.47 ft (9.9 m) | 5,050 lbs* (2290 kg)* | 5,050 lbs* (2290 kg)* | |
| +5 ft (1.5 m) | | | 21,900 lbs* (9280 kg)* | 21,900 lbs* (9280 kg)* | 25,650 lbs* (11 900 kg)* | 20,150 lbs (9370 kg) | 18,550 lbs* (8570 kg)* | 12,900 lbs (6000 kg) | 13,500 lbs* (6430 kg) | 9,050 lbs (4220 kg) | 10,250 lbs (4770 kg) | 6,650 lbs (3110 kg) | 32.45 ft (9.89 m) | 5,350 lbs* (2420 kg)* | 5,350 lbs* (2420 kg)* | |
| Ground-line | | | 20,800 lbs* (9150 kg)* | 20,800 lbs* (9150 kg)* | 28,400 lbs* (13 130 kg)* | 19,050 lbs (8660 kg) | 19,250 lbs (8950 kg) | 12,300 lbs (5720 kg) | 13,450 lbs (6260 kg) | 8,700 lbs (4060 kg) | 10,050 lbs (4680 kg) | 6,500 lbs (3030 kg) | 31.61 ft (9.64 m) | 5,850 lbs* (2660 kg)* | 5,850 lbs* (2660 kg)* | |
| -5 ft (-1.5 m) | 19,600 lbs* (8800 kg)* | 19,600 lbs* (8800 kg)* | 26,350 lbs* (11 670 kg)* | 26,350 lbs* (11 670 kg)* | 26,350 lbs* (13 320 kg)* | 18,700 lbs (8700 kg) | 18,850 lbs (8780 kg) | 12,000 lbs (5570 kg) | 13,250 lbs (6160 kg) | 8,550 lbs (3970 kg) | (4130 kg)* | (3020 kg) | 29.93 ft (9.13 m) | 6,750 lbs* (3050 kg)* | 4,900 lbs (2940 kg) | |
| -10 ft (-3 m) | 24,250 lbs* (10 840 kg)* | 24,250 lbs* (10 840 kg)* | 35,550 lbs* (15 680 kg)* | 35,550 lbs* (15 680 kg)* | 28,050 lbs* (12 960 kg)* | 18,850 lbs (8760 kg) | 18,900 lbs (8790 kg) | 12,050 lbs (5600 kg) | 13,400 lbs (6220 kg) | 8,700 lbs (4030 kg) | | | 27.26 ft (8.34 m) | 8,300 lbs* (3740 kg)* | 7,550 lbs (3410 kg) | |
| -15 ft (-4.5 m) | 33,600 lbs* (14 930 kg)* | 33,600 lbs* (14 930 kg)* | 36,300 lbs* (16 840 kg)* | 36,300 lbs* (16 840 kg)* | 25,050 lbs* (11 640 kg)* | 19,300 lbs (8970 kg) | 18,150 lbs* (8480 kg)* | 12,550 lbs (5800 kg) | | | | | 23.32 ft (7.18 m) | 11,650 lbs* (5150 kg)* | 9,800 lbs (4370 kg) | |
| -20 ft (-6 m) | | | 25,500 lbs* (12 140 kg)* | 25,500 lbs* (12 140 kg)* | 17,300 lbs* (8350 kg)* | 17,300 lbs* (8350 kg)* | | | | | | | 17.2 ft (5.44 m) | 13,650 lbs* (5970 kg)* | 13,650 lbs* (5970 kg)* | |

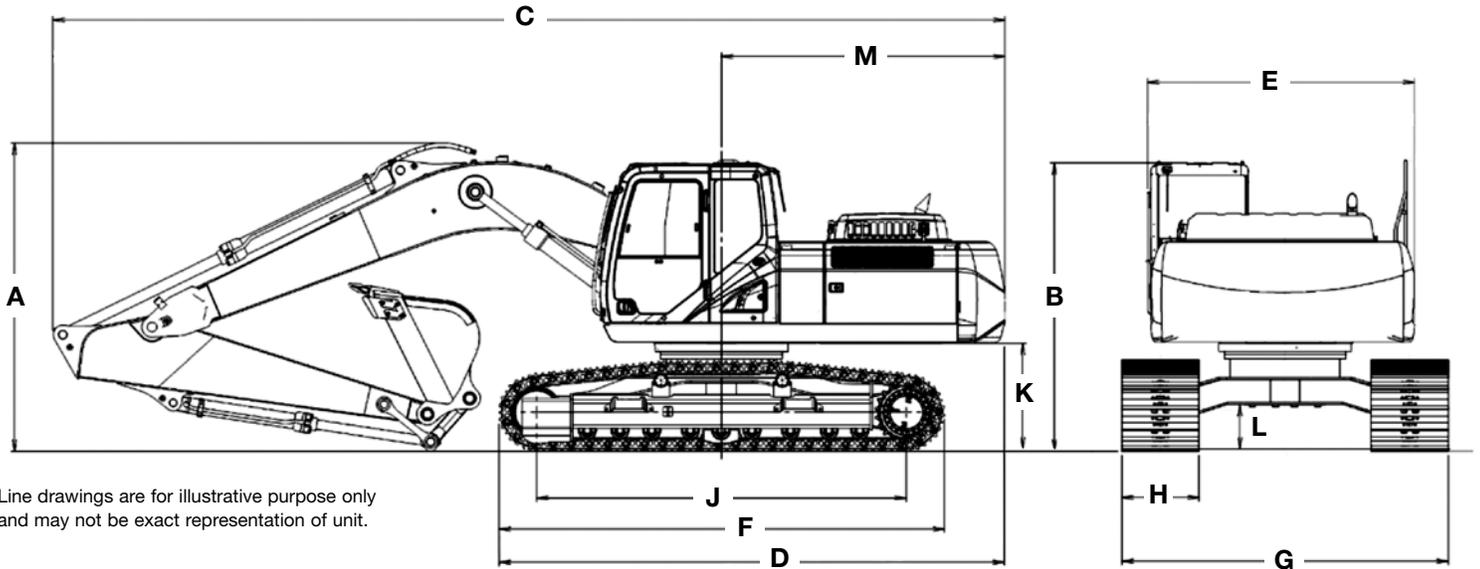
8 ft 2 in (2.5 m) Arm Lift capacities calculated using a 1,900 lb (870 kg) bucket, 11,900 lb (5400 kg) counterweight.

| Load (Lift Point) Height | 5 ft (1.5 m) | | 10 ft (3 m) | | 15 ft (4.5 m) | | 20 ft (6 m) | | 25 ft (7.5 m) | | 30 ft (9 m) | | MAXIMUM REACH | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------------------|----------------------|------------------------|---------------------|-----------------------|---------------------|-------------------|------------------------|-----------------------|
| | END | SIDE | END | SIDE | END | SIDE | END | SIDE | END | SIDE | END | SIDE | @ | END | SIDE |
| +25 ft (7.5m) | | | | | | | | | (4100 kg)* | (4100 kg)* | | | 24.75 ft (7.64 m) | 7,550 lbs* (3410 kg)* | 7,550 lbs* (3410 kg)* |
| +20 ft (6 m) | | | | | | | 12,700 lbs* | 12,700 lbs* | 11,450 lbs* (5290 kg)* | 9,900 lbs (4610 kg) | | | 28.08 ft (8.61 m) | 7,150 lbs* (3240 kg)* | 7,150 lbs* (3240 kg)* |
| +15 ft (4.5 m) | | | | | 12,550 lbs* (6210 kg)* | 12,550 lbs* (6210 kg)* | 14,300 lbs* (6590 kg)* | 13,900 lbs (6450 kg) | 12,950 lbs* (5970 kg)* | 9,600 lbs (4480 kg) | 7,300 lbs* (4310 kg)* | 6,850 lbs (3200 kg) | 30.04 ft (9.18 m) | 7,100 lbs* (3220 kg)* | 6,800 lbs (3070 kg) |
| +10 ft (3 m) | | | 32,400 lbs* (12 430 kg)* | 32,400 lbs* (12 430 kg)* | 21,800 lbs* (10 020 kg)* | 20,950 lbs (9740 kg) | 16,800 lbs* (7780 kg)* | 13,350 lbs (6210 kg) | 13,900 lbs* (6400 kg)* | 9,250 lbs (4300 kg) | 10,300 lbs (4790 kg) | 6,700 lbs (3130 kg) | 30.94 ft (9.44 m) | 7,250 lbs* (3300 kg)* | 6,300 lbs (2850 kg) |
| +5 ft (1.5 m) | | | | | 26,000 lbs* (11 980 kg)* | 19,650 lbs (9130 kg) | 19,150 lbs* (8860 kg)* | 12,650 lbs (5870 kg) | 13,650 lbs (6340 kg) | 8,900 lbs (4130 kg) | 10,100 lbs (4700 kg) | 6,550 lbs (3040 kg) | 30.92 ft (9.42 m) | 7,650 lbs* (3480 kg)* | 6,200 lbs (2800 kg) |
| Ground-line | | | 19,050 lbs* (8410 kg)* | 19,050 lbs* (8410 kg)* | 28,750 lbs* (13 280 kg)* | 18,750 lbs (8720 kg) | 19,000 lbs (8850 kg) | 12,100 lbs (5630 kg) | 13,300 lbs (6190 kg) | 8,600 lbs (3990 kg) | 8,700 lbs* (4640 kg)* | 6,450 lbs (2990 kg) | 30.05 ft (9.16 m) | 8,350 lbs* (3790 kg)* | 6,400 lbs (2910 kg) |
| -5 ft (-1.5 m) | 21,400 lbs* (9550 kg)* | 21,400 lbs* (9550 kg)* | 26,950 lbs* (11 950 kg)* | 26,950 lbs* (11 950 kg)* | 28,650 lbs* (13 220 kg)* | 18,600 lbs (8670 kg) | 18,750 lbs (8730 kg) | 11,900 lbs (5530 kg) | 13,200 lbs (6140 kg) | 8,500 lbs (3950 kg) | | | 28.27 ft (8.63 m) | 9,650 lbs* (4360 kg)* | 7,050 lbs (3200 kg) |
| -10 ft (-3 m) | 26,800 lbs* (11 970 kg)* | 26,800 lbs* (11 970 kg)* | 39,250 lbs* (17 260 kg)* | 37,200 lbs* (17 260 kg)* | 27,250 lbs* (12 600 kg)* | 18,850 lbs (8780 kg) | 18,900 lbs (8800 kg) | 12,100 lbs (5610 kg) | 13,400 lbs (6240 kg) | 8,700 lbs (4070 kg) | | | 25.43 ft (7.79 m) | 12,100 lbs* (5390 kg)* | 8,400 lbs (3790 kg) |
| -15 ft (-4.5 m) | (17 250 kg)* | (17 250 kg)* | 33,000 lbs* (15 340 kg)* | 33,000 lbs* (15 340 kg)* | 23,150 lbs* (10 810 kg)* | 19,500 lbs (9050 kg) | 16,200 lbs* (7690 kg)* | 12,650 lbs (5870 kg) | | | | | 21.18 ft (6.53 m) | 14,100 lbs* (6390 kg)* | 11,350 lbs (5050 kg) |

11 ft 6 in (3.52 m) Arm Lift capacities calculated using a 1,750 lb (790 kg) bucket, 11,900 lb (5400 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) | | | | | | | | | (2230 kg)* | (2230 kg)* | | | (7.57 m) | (2120 kg)* | (2120 kg)* |
| +25 ft (7.5 m) | | | | | | | | | 7,150 lbs* (3290 kg)* | 7,150 lbs* (3290 kg)* | | | 28.76 ft (8.85 m) | 4,200 lbs* (1890 kg)* | 4,200 lbs* (1890 kg)* |
| +20 ft (6 m) | | | | | | | | | 9,200 lbs* (4310 kg)* | 9,200 lbs* (4310 kg)* | 7,000 lbs* (3470 kg)* | 7,000 lbs* (3410 kg)* | 31.6 ft (9.68 m) | 3,950 lbs* (1790 kg)* | 3,950 lbs* (1790 kg)* |
| +15 ft (4.5 m) | | | | | | | | | 11,250 lbs* (5130 kg)* | 10,000 lbs (4650 kg) | 9,000 lbs* (4260 kg)* | 7,150 lbs (3310 kg) | 33.33 ft (10.18 m) | 3,900 lbs* (1770 kg)* | 3,900 lbs* (1770 kg)* |
| +10 ft (3 m) | | | | | 18,700 lbs* (8680 kg)* | 18,700 lbs* (8680 kg)* | 14,800 lbs* (6850 kg)* | 13,800 lbs (6400 kg) | 12,600 lbs* (5820 kg)* | 9,550 lbs (4450 kg) | 10,500 lbs (4890 kg) | 6,900 lbs (3220 kg) | 34.14 ft (10.41 m) | 4,000 lbs* (1820 kg)* | 4,000 lbs* (1820 kg)* |
| +5 ft (1.5 m) | | | 31,650 lbs* (13 240 kg)* | 31,650 lbs* (13 240 kg)* | 23,950 lbs* (11 100 kg)* | 20,500 lbs (9530 kg) | 17,600 lbs* (8120 kg)* | 13,050 lbs (6060 kg) | 13,850 lbs* (6420 kg)* | 9,100 lbs (4230 kg) | 10,250 lbs (4770 kg) | 6,650 lbs (3110 kg) | 34.11 ft (10.4 m) | 4,200 lbs* (1920 kg)* | 4,200 lbs* (1920 kg)* |
| Ground-line | 9,450 lbs* (4250 kg)* | 9,450 lbs* (4250 kg)* | 21,850 lbs* (9580 kg)* | 21,850 lbs* (9580 kg)* | 27,500 lbs* (12 700 kg)* | 19,200 lbs (8920 kg) | 19,200 lbs (8940 kg) | 12,350 lbs (5740 kg) | 13,450 lbs (6260 kg) | 8,700 lbs (4050 kg) | 10,000 lbs (4660 kg) | 6,450 lbs (3000 kg) | 33.32 ft (10.16 m) | 4,650 lbs* (2100 kg)* | 4,650 lbs* (2100 kg)* |
| -5 ft (-1.5 m) | 16,550 lbs* (7570 kg)* | 16,550 lbs* (7570 kg)* | 25,200 lbs* (11 160 kg)* | 25,200 lbs* (11 160 kg)* | 28,700 lbs* (13 250 kg)* | 18,550 lbs (8630 kg) | 18,800 lbs (8740 kg) | 11,900 lbs (5530 kg) | 13,150 lbs (6120 kg) | 8,450 lbs (3930 kg) | 9,900 lbs (4610 kg) | 6,350 lbs (2950 kg) | 31.72 ft (9.68 m) | 5,300 lbs* (2400 kg)* | 5,300 lbs* (2400 kg)* |
| -10 ft (-3 m) | 21,700 lbs* (9700 kg)* | 21,700 lbs* (9700 kg)* | 32,400 lbs* (14 320 kg)* | 32,400 lbs* (14 320 kg)* | 28,300 lbs* (13 080 kg)* | 18,550 lbs (8640 kg) | 18,700 lbs (8710 kg) | 11,850 lbs (5510 kg) | 13,200 lbs (6120 kg) | 8,450 lbs (3930 kg) | | | 29.22 ft (8.94 m) | 6,450 lbs* (2900 kg)* | 6,450 lbs* (2900 kg)* |
| -15 ft (-4.5 m) | 32,000 lbs* (14 170 kg)* | 32,000 lbs* (14 170 kg)* | 38,700 lbs* (17 940 kg)* | 37,850 lbs* (17 640 kg)* | 26,200 lbs* (12 160 kg)* | 18,950 lbs (8800 kg) | 18,750 lbs (8730 kg) | 12,200 lbs (5640 kg) | 12,400 lbs* (6200 kg)* | 8,750 lbs (4080 kg) | | | 25.56 ft (7.86 m) | 8,650 lbs* (3840 kg)* | 8,350 lbs (3730 kg) |
| -20 ft (-6 m) | | | 30,100 lbs* (14 160 kg)* | 30,100 lbs* (14 160 kg)* | 20,650 lbs* (9760 kg)* | 19,300 lbs (8990 kg) | 13,450 lbs* (6630 kg)* | 12,500 lbs (5820 kg) | | | | | 20.25 (6.3 m) | 12,800 lbs* (5800 kg)* | 12,250 lbs (5360 kg) |

*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.

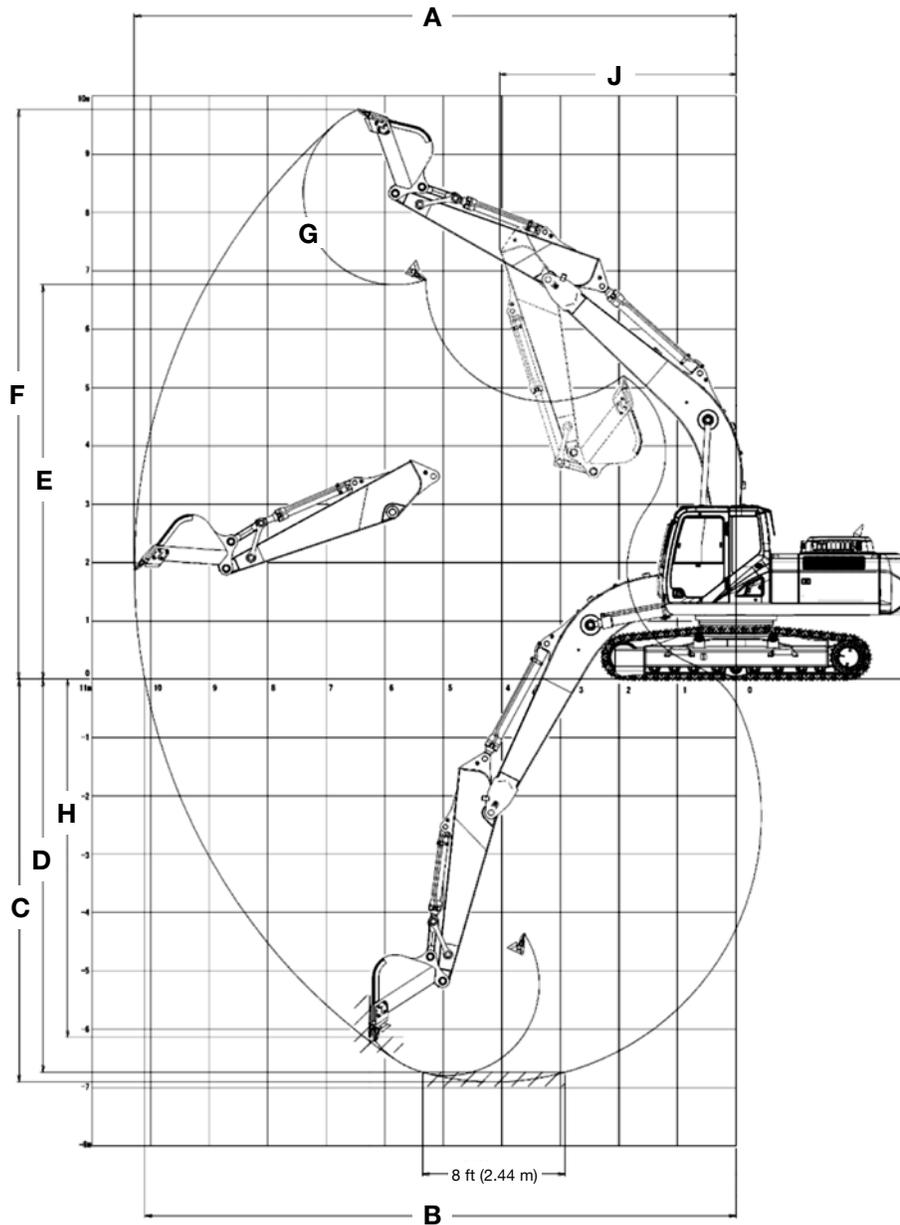


Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

| | 9 ft 10 in (3.0 m) Arm | 8 ft 2 in (2.5 m) Arm | 11 ft 6 in (3.52 m) Arm |
|---|------------------------|-----------------------|-------------------------|
| A. Overall height (w/ attachment) | 10 ft 6 in (3.2 m) | 10 ft 6 in (3.2 m) | 11 ft 0 in (3.36 m) |
| B. Cab height | 9 ft 10 in (3.0 m) | 9 ft 10 in (3.0 m) | 9 ft 10 in (3.0 m) |
| C. Overall length (w/ attachment) | 32 ft 5 in (9.88 m) | 32 ft 8 in (9.95 m) | 32 ft 6 in (9.91 m) |
| D. Overall length (w/o attachment) | 17 ft 3 in (5.27 m) | 17 ft 3 in (5.27 m) | 17 ft 3 in (5.27 m) |
| E. Width of upperstructure | 9 ft 1 in (2.77 m) | 9 ft 1 in (2.77 m) | 9 ft 1 in (2.77 m) |
| Width of upperstructure w/ catwalks | NA | NA | NA |
| F. Track overall length | 15 ft 3 in (4.65 m) | 15 ft 3 in (4.65 m) | 15 ft 3 in (4.65 m) |
| G. Track overall width w/ 31.5 in (800 mm) shoes | 11 ft 1 in (3.39 m) | 11 ft 1 in (3.39 m) | 11 ft 1 in (3.39 m) |
| H. Track shoe width | 31.5 in (800 mm) | 31.5 in (800 mm) | 31.5 in (800 mm) |
| J. Center to center (idler to sprocket) | 12 ft 7 in (3.84 m) | 12 ft 7 in (3.84 m) | 12 ft 7 in (3.84 m) |
| K. Upperstructure ground clearance | 3 ft 7 in (1.1 m) | 3 ft 7 in (1.1 m) | 3 ft 7 in (1.1 m) |
| L. Minimum ground clearance | 16 in (0.46 m) | 16 in (0.46 m) | 16 in (0.46 m) |
| M. Rear tail swing radius | 9 ft 8 in (2.95 m) | 9 ft 8 in (2.95 m) | 9 ft 8 in (2.95 m) |
| Operating weight* | 55,400 lb (25 100 kg) | 55,153 lb (25 017 kg) | 55,623 lb (25 230 kg) |
| Ground pressure | 5.37 psi (0.37 bar) | 5.36 psi (0.37 bar) | 5.38 psi (0.37 bar) |

*With 19 ft 2 in (5.85 m) boom, 31.5 in (800 mm) track shoe, 2,544 lb (1154 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

| | 9 ft 10 in (3.0 m) Arm | 8 ft 2 in (2.5 m) Arm | 11 ft 6 in (3.52 m) Arm |
|---|------------------------|-----------------------|-------------------------|
| A. Maximum dig radius | 33 ft 9 in (10.28 m) | 32 ft 3 in (9.82 m) | 35 ft 5 in (10.79 m) |
| B. Maximum dig radius at groundline | 33 ft 2 in (10.1 m) | 31 ft 7 in (9.63 m) | 34 ft 10 in (10.62 m) |
| C. Maximum dig depth | 22 ft 8 in (6.9 m) | 21 ft 0 in (6.4 m) | 24 ft 4 in (7.42 m) |
| D. Dig depth—8 ft 0 in (2.44 m) level bottom | 22 ft 1 in (6.74 m) | 20 ft 4 in (6.21 m) | 23 ft 10 in (7.27 m) |
| E. Dump height | 22 ft 2 in (6.76 m) | 21 ft 6 in (6.55 m) | 23 ft 2 in (7.06 m) |
| F. Maximum reach height | 32 ft 0 in (9.76 m) | 31 ft 4 in (9.56 m) | 33 ft 0 in (10.07 m) |
| G. Bucket rotation | 175° | 175° | 175° |
| H. Maximum vertical wall dig depth | 20 ft 2 in (6.14 m) | 18 ft 8 in (5.7 m) | 21 ft 11 in (6.68 m) |
| J. Minimum swing radius | 13 ft 3 in (4.03 m) | 13 ft 1 in (3.98 m) | 13 ft 4 in (4.05 m) |
| Arm digging force | | | |
| Standard | 26,980 lbf (120 kN) | 31,700 lbf (141 kN) | 24,050 lbf (107 kN) |
| Power Boost | 29,000 lbf (129 kN) | 33,950 lbf (151 kN) | 25,850 lbf (115 kN) |
| Bucket digging force | | | |
| Standard | 36,420 lbf (162 kN) | 36,420 lbf (162 kN) | 36,420 lbf (162 kN) |
| Power Boost | 39,120 lbf (174 kN) | 39,120 lbf (174 kN) | 39,120 lbf (174 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
Double element air filter
Remote oil filter
Green plug oil drain
500-hour engine oil change interval
24-Volt system

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

HYDRAULICS (continued)

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—19 ft 2 in (5.85 m)
Arm—9 ft 10 in (3.00 m)
Heavy-duty bucket linkage
Boom mounted work light (70 watt)
Auxiliary pipe brackets
Centralized grease fittings
Attachment cushion valve
Arm and boom regeneration

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)
Adjustable armrests

OPERATOR STATION (continued)

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 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 & lock-up

UNDERCARRIAGE

31.5 in (800 mm) steel shoes, triple semi-grouser
Full overlap turntable bearing tub
Single track chain guides
Hydraulic track adjustment
X-pattern carbody

OPTIONAL EQUIPMENT

HYDRAULICS

Auxiliary hydraulics
Double acting / joystick activated

ATTACHMENTS

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)

OPERATOR STATION

Control pattern selector
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 (fixed / one piece) / OPG 2
Vandal guard
Rain deflector
Sun visor
Side-view camera

UPPERSTRUCTURE

Refueling pump
Rubber bumper guard
(order through Service Parts)

UNDERCARRIAGE

Track guides—triple

BUCKETS

| Application | Width | SAE Heaped Capacity |
|-----------------|---------------------------------|--|
| General purpose | 30 in to 60 in (0.76 to 1.52 m) | 1.26 yd ³ to 2.93 yd ³ (0.96 m ³ to 2.24 m ³) |
| Heavy-duty | 30 in to 54 in (0.76 to 1.37 m) | 1.22 yd ³ to 2.53 yd ³ (0.93 m ³ to 1.93 m ³) |
| Extreme-duty | 30 in to 48 in (0.76 to 1.22 m) | 1.12 yd ³ to 2.04 yd ³ (0.86 m ³ to 1.56 m ³) |
| Ditching | 72 in (1.83 m) | 2.20 yd ³ (1.68 m ³) |

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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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