**ENGINE**

Model: Isuzu AM-4JJ1X  
Cooled EGR  

Emissions Certification: Tier 4 Interim  

Fuel: Requires ultra low-sulfur fuel  
B5 biodiesel tolerant  

Type: Water-cooled, 4-cycle, high pressure common rail system. Turbocharged with air cooled intercooler, DPD system  

Cylinders: 4-cylinder in-line  
Displacement: 183 in³ (3.0 L) 
Bore/Stroke: 4 x 4 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: 100 hp (74.9 kW)  
Net max. torque – SAE J1349 @ 1600 RPM: 265 lb·ft (359 N·m)  
Cooling operating range: 109˚ to -13˚ F (43˚ to -25˚ C)  

**OPERATOR ENVIRONMENT**

Air conditioner output: 13,492 BTU/hr  
Heater output: 12,897 BTU/hr  
Sound level inside cab – ISO6395: 70 dBA  
Electrical outlet: 12 Volt  

Cab interior light: 10 watt  
Rear view camera: Standard  
Seat: Air-suspension  

**ATTACHMENT**

Boom: 15 ft 2 in (4 630 mm)  
Arm: 8 ft 2 in (2 500 mm)  
Bucket digging force: 20,233 lbf (90 kN)  

**OPERATING WEIGHT**

Operating weight: 33,290 lb (15 100 kg)  
w/ shoes: 2 ft 0 in (600 mm)  
w/ boom: 15 ft 2 in (4 630 mm)  
w/ arm: 8 ft 2 in (2 500 mm)  
w/ bucket: 882 lb (400 kg)  
w/ counterweight: 8,157 lb (3 700 kg)  

NOTE: w/ operator/full fuel/standard equipment  

**DOZER BLADE**

Blade width: 8 ft 6 in (2 590 mm)  
Blade height: 1 ft 10 in (570 mm)  
Max. lift above ground: 1 ft 8 in (510 mm)  
Max. drop below ground: 1 ft 8 in (520 mm)  

**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 pistons  
Max. rated flow: 34.1 gpm (129 L/min)  
Blade pump: 1x gear design  
Max. rated flow: 16.4 gpm (62 L/min)  

System pressures:  
- Boom, arm and bucket: 4,975 psi (34 bar)  
w/ Power Boost: 5,366 psi (37 bar)  
Travel circuits: 4,975 psi (34 bar)  
Swing circuits: 4,148 psi (28 bar)  
Pilot pump: 1 x gear design  
Max. capacity: 5.3 gpm (20 L/min)  

**HYDRAULIC CYLINDERS**

Boom cylinders: 2 (2)  
Cylinder bore: 4.1 in (105 mm)  
Cylinder rod diameter: 3.0 in (75 mm)  
Cylinder stroke: 44.1 in (1 120 mm)  

Arm cylinder: 1 (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: 1 (1)  
Cylinder bore: 3.7 in (95 mm)  
Cylinder rod diameter: 2.6 in (65 mm)  
Cylinder stroke: 34.7 in (881 mm)  

**SERVICE CAPACITIES**

Fuel tank: 53 gal (200 L)  
Hydraulic system: 42 gal (158 L)  
Hydraulic tank: 20 gal (75 L)  
Engine oil w/ filter: 4 gal (17 L)  
Swing drive: 3.2 qt (3 L)  
Final drive: 2.2 qt (2.1 L)  
Cooling system: 4 gal (15.3 L)  

**OTHER SPECIFICATIONS**

Swing speed: 0 – 14.3 RPM  
Swing torque: 27,290 lb·ft (37 000 N·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: 43 per side  
Shoe width – std.: 2 ft 0 in (600 mm)  
Link pitch: 7 in (172 mm)  

Track:  
- Chain: Grease lubricated/strutted  
- Guides: Single  
- Adjustment: Hydraulic
### CX145C SR LIFTING CAPACITIES WITH DOZER BLADE ON GROUND

**8 ft 2 in (2.50 m)** Lift capacities using a 900 lb (408 kg) bucket, 8,155 lb (3 700 kg) counterweight and 23.6 in (600 mm) track shoes.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>5 ft (1.5 m)</th>
<th>10 ft (3 m)</th>
<th>15 ft (4.5 m)</th>
<th>20 ft (6 m)</th>
<th>25 ft (7.5 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 ft (7.5 m)</td>
<td>ENDENDSIDE</td>
<td>ENDENDSIDE</td>
<td>ENDENDSIDE</td>
<td>ENDENDSIDE</td>
<td>ENDENDSIDE</td>
</tr>
<tr>
<td>+25 ft (7.5 m)</td>
<td>4,050 lb* (2 020 kg)*</td>
<td>6,350 lb* (2 980 kg)*</td>
<td>4,800 lb* (2 177 kg)*</td>
<td>4,800 lb* (2 177 kg)*</td>
<td>4,800 lb* (2 177 kg)*</td>
</tr>
<tr>
<td>20 ft (6 m)</td>
<td>8,050 lb (3 601 kg)</td>
<td>6,350 lb (2 880 kg)</td>
<td>6,000 lb (2 700 kg)</td>
<td>6,000 lb (2 700 kg)</td>
<td>6,000 lb (2 700 kg)</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td>28,250 lb (12 814 kg)*</td>
<td>28,250 lb (12 814 kg)*</td>
<td>28,250 lb (12 814 kg)*</td>
<td>28,250 lb (12 814 kg)*</td>
<td>28,250 lb (12 814 kg)*</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td>6,250 lb* (2 835 kg)*</td>
<td>15,700 lb* (7 121 kg)*</td>
<td>1,180 lb* (520 kg)*</td>
<td>1,180 lb* (520 kg)*</td>
<td>1,180 lb* (520 kg)*</td>
</tr>
<tr>
<td>10 ft (3 m)</td>
<td>1,100 lb (503 kg)</td>
<td>1,100 lb (503 kg)</td>
<td>1,100 lb (503 kg)</td>
<td>1,100 lb (503 kg)</td>
<td>1,100 lb (503 kg)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td>18,300 lb* (8 301 kg)*</td>
<td>18,300 lb* (8 301 kg)*</td>
<td>18,300 lb* (8 301 kg)*</td>
<td>18,300 lb* (8 301 kg)*</td>
<td>18,300 lb* (8 301 kg)*</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td>9,400 lb* (4 264 kg)*</td>
<td>9,400 lb* (4 264 kg)*</td>
<td>9,400 lb* (4 264 kg)*</td>
<td>9,400 lb* (4 264 kg)*</td>
<td>9,400 lb* (4 264 kg)*</td>
</tr>
</tbody>
</table>

### Maximum Reach

<table>
<thead>
<tr>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 ft 8 in (5.98 m)</td>
</tr>
<tr>
<td>20 ft 6 in (6.15 m)</td>
</tr>
<tr>
<td>21 ft 9 in (6.60 m)</td>
</tr>
<tr>
<td>22 ft 4 in (6.80 m)</td>
</tr>
<tr>
<td>23 ft 1 in (7.00 m)</td>
</tr>
<tr>
<td>24 ft 0 in (7.30 m)</td>
</tr>
<tr>
<td>25 ft 0 in (7.60 m)</td>
</tr>
<tr>
<td>26 ft 0 in (7.90 m)</td>
</tr>
<tr>
<td>27 ft 0 in (8.20 m)</td>
</tr>
<tr>
<td>28 ft 0 in (8.50 m)</td>
</tr>
</tbody>
</table>

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.
### CX145C SR Lifting Capacities with Dozer Blade on Ground

6 ft 10 in (2.11 m) Lift capacities using a 900 lb (408 kg) bucket, 8,155 lb (3,700 kg) counterweight and 23.6 in (600 mm) track shoes.

**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.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>5 ft (1.5 m)</th>
<th>10 ft (3 m)</th>
<th>15 ft (4.5 m)</th>
<th>20 ft (6 m)</th>
<th>25 ft (7.5 m)</th>
<th>Maximum Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>END SIDE</td>
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<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
</tr>
<tr>
<td>+25 ft (7.5 m)</td>
<td>3,800 lb (1,724 kg)</td>
<td>3,800 lb (1,724 kg)</td>
<td>6,900 lb* (3,130 kg*)</td>
<td>6,900 lb* (3,130 kg*)</td>
<td>3,800 lb* (1,724 kg*)</td>
<td>3,800 lb* (1,724 kg*)</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td>10,000 lb (4,536 kg)</td>
<td>10,000 lb (4,536 kg)</td>
<td>9,450 lb* (4,286 kg*)</td>
<td>8,000 lb (3,636 kg)</td>
<td>7,150 lb (3,243 kg)</td>
<td>5,250 lb (2,381 kg)</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td>17,450 lb* (7,915 kg*)</td>
<td>15,800 lb (7,167 kg)</td>
<td>12,050 lb (5,466 kg)</td>
<td>8,050 lb (3,631 kg)</td>
<td>9,500 lb (4,309 kg)</td>
<td>5,050 lb (2,291 kg)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td>21,600 lb* (9,798 kg*)</td>
<td>14,150 lb (6,418 kg)</td>
<td>14,100 lb (6,418 kg)</td>
<td>7,550 lb (3,425 kg)</td>
<td>10,450 lb (4,740 kg)</td>
<td>4,800 lb (2,177 kg)</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td>17,600 lb (7,983 kg)</td>
<td>13,350 lb (6,055 kg)</td>
<td>14,600 lb (6,622 kg)</td>
<td>7,150 lb (3,243 kg)</td>
<td>10,500 lb (4,763 kg)</td>
<td>4,600 lb (2,087 kg)</td>
</tr>
<tr>
<td>Groundline</td>
<td>12,450 lb* (5,647 kg)</td>
<td>12,450 lb* (5,647 kg)</td>
<td>20,300 lb* (9,028 kg*)</td>
<td>13,450 lb (6,101 kg)</td>
<td>13,750 lb (6,192 kg)</td>
<td>7,050 lb (3,198 kg)</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>18,750 lb* (8,505 kg)</td>
<td>18,750 lb* (8,505 kg)</td>
<td>15,450 lb* (7,008 kg*)</td>
<td>13,650 lb* (6,192 kg)</td>
<td>10,650 lb (4,831 kg)</td>
<td>7,200 lb (3,266 kg)</td>
</tr>
</tbody>
</table>

CX145C SR DB • Page 3 of 9
<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>5 ft (1.5 m)</th>
<th>10 ft (3 m)</th>
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<th>20 ft (6 m)</th>
<th>25 ft (7.5 m)</th>
<th>MAXIMUM REACH</th>
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<tr>
<td></td>
<td>END SIDE</td>
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</tr>
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<td>3,800 lb (1,724 kg)</td>
<td>3,800 lb (1,724 kg)</td>
<td>6,900 lb* (3,130 kg)*</td>
<td>6,900 lb* (3,130 kg)*</td>
<td>3,800 lb* (1,724 kg)*</td>
<td>3,800 lb* (1,724 kg)*</td>
</tr>
<tr>
<td></td>
<td>14 ft 7 in (4.45 m)</td>
<td>20 ft 4 in (6.02 m)</td>
<td>23 ft 4 in (7.11 m)</td>
<td>24 ft 10 in (7.57 m)</td>
<td>25 ft 1 in (7.65 m)</td>
<td>25 ft 1 in (7.65 m)</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td>10,000 lb (4,536 kg)</td>
<td>10,000 lb (4,536 kg)</td>
<td>9,450 lb* (4,286 kg)*</td>
<td>8,100 lb (3,674 kg)</td>
<td>6,650 lb (3,016 kg)</td>
<td>4,950 lb (2,245 kg)</td>
</tr>
<tr>
<td></td>
<td>20 ft 4 in (6.02 m)</td>
<td>20 ft 4 in (6.02 m)</td>
<td>20 ft 4 in (6.02 m)</td>
<td>20 ft 4 in (6.02 m)</td>
<td>20 ft 4 in (6.02 m)</td>
<td>20 ft 4 in (6.02 m)</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td>17,450 lb* (7,915 kg)*</td>
<td>14,850 lb (6,736 kg)</td>
<td>10,400 lb (4,717 kg)</td>
<td>7,650 lb (3,470 kg)</td>
<td>6,450 lb (2,926 kg)</td>
<td>4,750 lb (2,155 kg)</td>
</tr>
<tr>
<td></td>
<td>24 ft 10 in (7.57 m)</td>
<td>24 ft 10 in (7.57 m)</td>
<td>24 ft 10 in (7.57 m)</td>
<td>24 ft 10 in (7.57 m)</td>
<td>24 ft 10 in (7.57 m)</td>
<td>24 ft 10 in (7.57 m)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td>19,700 lb* (8,896 kg)*</td>
<td>13,250 lb (6,010 kg)</td>
<td>9,800 lb (4,445 kg)</td>
<td>7,100 lb (3,221 kg)</td>
<td>6,200 lb (2,812 kg)</td>
<td>4,550 lb (2,064 kg)</td>
</tr>
<tr>
<td></td>
<td>25 ft 1 in (7.65 m)</td>
<td>25 ft 1 in (7.65 m)</td>
<td>25 ft 1 in (7.65 m)</td>
<td>25 ft 1 in (7.65 m)</td>
<td>25 ft 1 in (7.65 m)</td>
<td>25 ft 1 in (7.65 m)</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td>17,600 lb (7,983 kg)</td>
<td>12,500 lb (5,670 kg)</td>
<td>9,400 lb (4,264 kg)</td>
<td>6,700 lb (3,039 kg)</td>
<td>6,000 lb (2,722 kg)</td>
<td>4,350 lb (1,973 kg)</td>
</tr>
<tr>
<td></td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
</tr>
<tr>
<td>Groundline</td>
<td>12,450 lb* (5,647 kg)*</td>
<td>12,450 lb* (5,647 kg)*</td>
<td>10,450 lb* (4,801 kg)*</td>
<td>9,250 lb (4,196 kg)</td>
<td>5,950 lb (2,746 kg)</td>
<td>4,300 lb (1,950 kg)</td>
</tr>
<tr>
<td></td>
<td>22 ft 4 in (6.71 m)</td>
<td>22 ft 4 in (6.71 m)</td>
<td>22 ft 4 in (6.71 m)</td>
<td>22 ft 4 in (6.71 m)</td>
<td>22 ft 4 in (6.71 m)</td>
<td>22 ft 4 in (6.71 m)</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>18,750 lb* (8,505 kg)*</td>
<td>15,450 lb* (7,008 kg)*</td>
<td>12,800 lb* (5,806 kg)*</td>
<td>9,400 lb (4,264 kg)</td>
<td>6,800 lb (3,084 kg)</td>
<td>5,700 lb (2,585 kg)</td>
</tr>
<tr>
<td></td>
<td>18 ft 11 in (5.77 m)</td>
<td>18 ft 11 in (5.77 m)</td>
<td>18 ft 11 in (5.77 m)</td>
<td>18 ft 11 in (5.77 m)</td>
<td>18 ft 11 in (5.77 m)</td>
<td>18 ft 11 in (5.77 m)</td>
</tr>
<tr>
<td>-10 ft (-3 m)</td>
<td>17,600 lb (7,983 kg)</td>
<td>12,500 lb (5,670 kg)</td>
<td>9,400 lb (4,264 kg)</td>
<td>6,700 lb (3,039 kg)</td>
<td>6,000 lb (2,722 kg)</td>
<td>4,350 lb (1,973 kg)</td>
</tr>
<tr>
<td></td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
<td>24 ft 4 in (7.32 m)</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>8 ft 2 in (2.50 m) Arm</th>
<th>9 ft 10 in (3.01 m) Arm</th>
<th>6 ft 10 in (2.11 m) Arm Offset Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height with attachment</td>
<td>9 ft 2 in (2 800 mm)</td>
<td>9 ft 2 in (2 800 mm)</td>
<td>9 ft 2 in (2 800 mm)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>9 ft 2 in (2 800 mm)</td>
<td>9 ft 2 in (2 800 mm)</td>
<td>9 ft 2 in (2 800 mm)</td>
</tr>
<tr>
<td>C. Overall length with attachment</td>
<td>25 ft 10 in (7 880 mm)</td>
<td>25 ft 9 in (7 840 mm)</td>
<td>25 ft 2 in (7 680 mm)</td>
</tr>
<tr>
<td>D. Overall length with out attachment</td>
<td>13 ft 6 in (4 110 mm)</td>
<td>13 ft 6 in (4 110 mm)</td>
<td>11 ft 6 in (3 500 mm)</td>
</tr>
<tr>
<td>E. Width of upper structure</td>
<td>8 ft 2 in (2 490 mm)</td>
<td>8 ft 2 in (2 490 mm)</td>
<td>8 ft 2 in (2 490 mm)</td>
</tr>
<tr>
<td>F. Track overall length</td>
<td>11 ft 6 in (3 500 mm)</td>
<td>11 ft 6 in (3 500 mm)</td>
<td>11 ft 6 in (3 500 mm)</td>
</tr>
<tr>
<td>G. Track overall width with 23.6 in (600 mm) shoes</td>
<td>8 ft 6 in (2 590 mm)</td>
<td>8 ft 6 in (2 590 mm)</td>
<td>8 ft 6 in (2 590 mm)</td>
</tr>
<tr>
<td>H. Track shoe width</td>
<td>2 ft 0 in (600 mm)</td>
<td>2 ft 0 in (600 mm)</td>
<td>2 ft 0 in (600 mm)</td>
</tr>
<tr>
<td>J. Center to center – idler to sprocket</td>
<td>9 ft 2 in (2 790 mm)</td>
<td>9 ft 2 in (2 790 mm)</td>
<td>9 ft 2 in (2 790 mm)</td>
</tr>
<tr>
<td>K. Upper structure ground clearance</td>
<td>2 ft 11 in (880 mm)</td>
<td>2 ft 11 in (880 mm)</td>
<td>2 ft 11 in (880 mm)</td>
</tr>
<tr>
<td>L. Minimum ground clearance</td>
<td>1 ft 5 in (440 mm)</td>
<td>1 ft 5 in (440 mm)</td>
<td>1 ft 5 in (440 mm)</td>
</tr>
<tr>
<td>M. Rear tail swing radius</td>
<td>5 ft 1 in (1 550 mm)</td>
<td>5 ft 1 in (1 550 mm)</td>
<td>5 ft 1 in (1 550 mm)</td>
</tr>
<tr>
<td>N. Dozer blade length</td>
<td>8 ft 6 in (2 590 mm)</td>
<td>8 ft 6 in (2 590 mm)</td>
<td>8 ft 6 in (2 590 mm)</td>
</tr>
<tr>
<td>O. Dozer blade height</td>
<td>1 ft 10 in (570 mm)</td>
<td>1 ft 10 in (570 mm)</td>
<td>1 ft 10 in (570 mm)</td>
</tr>
<tr>
<td>Operating weight*</td>
<td>33,290 lb (15 100 kg)</td>
<td>33,473 lb (15 183 kg)</td>
<td>33,188 lb (14 600 kg)</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>5.9 psi (0.41 bar)</td>
<td>5.9 psi (0.41 bar)</td>
<td>5.9 psi (0.41 bar)</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th></th>
<th>8 ft 2 in (2.50 m) Arm</th>
<th>9 ft 10 in (3.01 m) Arm</th>
<th>6 ft 10 in (2.11 m) Arm Offset Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum dig radius</td>
<td>27 ft 2 in (8290 mm)</td>
<td>28 ft 8 in (8740 mm)</td>
<td>24 ft 11 in (7590 mm)</td>
</tr>
<tr>
<td>B. Dig radius at groundline</td>
<td>26 ft 8 in (8140 mm)</td>
<td>28 ft 3 in (8600 mm)</td>
<td>24 ft 5 in (7430 mm)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>18 ft 1 in (5510 mm)</td>
<td>19 ft 9 in (6010 mm)</td>
<td>16 ft 1 in (4910 mm)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>17 ft 4 in (5290 mm)</td>
<td>19 ft 2 in (5830 mm)</td>
<td>15 ft 1 in (4590 mm)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>22 ft 9 in (6940 mm)</td>
<td>23 ft 11 in (7290 mm)</td>
<td>20 ft 6 in (6250 mm)</td>
</tr>
<tr>
<td>F. Maximum reach height</td>
<td>30 ft 8 in (9340 mm)</td>
<td>31 ft 9 in (9690 mm)</td>
<td>28 ft 4 in (8630 mm)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>178°</td>
<td>178°</td>
<td>178°</td>
</tr>
<tr>
<td>H. Maximum vertical wall dig depth</td>
<td>16 ft 1 in (4900 mm)</td>
<td>17 ft 4 in (5290 mm)</td>
<td>11 ft 10 in (3610 mm)</td>
</tr>
<tr>
<td>J. Minimum swing radius</td>
<td>6 ft 5 in (1950 mm)</td>
<td>7 ft 8 in (2330 mm)</td>
<td>7 ft 3 in (2220 mm)</td>
</tr>
</tbody>
</table>

### Arm digging force:
- **Standard**: 13,938 lb (62 kN)  
  - **Power Boost**: 14,837 lb (66 kN)  
- **Dump height**  
- **Minimum swing radius**

### Bucket digging force:
- **Standard**: 20,233 lb (90 kN)  
  - **Power Boost**: 21,357 lb (95 kN)  
- **Maximum dig depth**  
- **Maximum reach height**

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

**UPPER STRUCTURE**
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—15 ft 6 in (4.72 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

**OPERATOR STATION**
ROPS protection
FOPS cab top guard (Level 1)
Pressurized cab
One-touch lock front window
AC/heat/defrost with auto climate control
Color monitor—7 in (180 mm)

**UNDERCARRIAGE**
23.6 in (600 mm) steel shoes, triple semi-grouser
Full overlap turntable bearing tub
Hydraulic track adjustment
X-pattern car body

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

**BUCKETS**

<table>
<thead>
<tr>
<th>Application</th>
<th>Width</th>
<th>SAE Heaped Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy-duty</td>
<td>24 in to 42 in (0.61 m to 1.07 m)</td>
<td>0.43 yd³ to 0.83 yd³ (0.33 m³ to 0.64 m³)</td>
</tr>
<tr>
<td>Extreme-duty</td>
<td>24 in to 42 in (0.61 m to 1.07 m)</td>
<td>0.51 yd³ to 0.97 yd³ (0.39 m³ to 0.74 m³)</td>
</tr>
<tr>
<td>Heavy-duty coupler</td>
<td>24 in to 42 in (0.61 m to 1.07 m)</td>
<td>0.43 yd³ to 0.83 yd³ (0.33 m³ to 0.64 m³)</td>
</tr>
<tr>
<td>Ditching</td>
<td>48 in to 60 in (1.22 m to 1.52 m)</td>
<td>0.79 yd³ to 1.02 yd³ (0.60 m³ to 0.78 m³)</td>
</tr>
</tbody>
</table>

**OPTIONAL EQUIPMENT**

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

**ATTACHMENTS**
Boom—15 ft 6 in (4.72 m) offset boom
Arm—6 ft 10 in (2.11 m) for offset boom
Arm—6 ft 10 in (2.11 m) HD for standard boom
Arm—9 ft 11 in (3.01 m) for standard boom
Coupler / Case multi-pin grabber

**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
Refueling pump

**UNDERCARRIAGE**
27.6 in (700 mm) steel shoes, triple semi-grouser
20.0 in (500 mm) rubber shoes
Double track chain guides

**NOTE:** * Not available with offset boom option.