**ENGINE**

**Model** Isuzu AR-4HK1X

**Emissions Certification** Tier 4 Final

**Fuel** Requires ultra-low sulfur fuel BS biodiesel tolerant

**Type** Water-cooled, 4-cycle diesel, high pressure common rail system – electric control. VGT Turbocharger w/ air cooled intercooler, SCR system

**Cylinders** 4-cylinder in-line

**Displacement** 317 in³ (5.2 L)

**Bore/Stroke** 4.53 x 4.92 in (115 x 125 mm)

**Fuel injection** Direct injection – electronic

**Fuel filter** Replaceable, full flow spin-on cartridge

**Air filter** Dry type element w/ warning restriction indicator

**Oil filter** Replaceable, full flow spin-on cartridge

**Engine gradeability:**
- Side-to-side 35°
- Fore and aft 35°

**Net horsepower – SAE J1349 @ 1800 RPM:** 160 hp (119.3 kW)

**Net max. torque – SAE J1349 @ 1600 RPM:** 457 lbf·ft (620 N·m)

**Cooling operating range:** 113° to -4°F (45° to -20°C)

**Oil** Requires low-ash oil CJ-4

**DRIVETRAIN**

**Travel control** Dual stage relief/counter balance design

**Brakes** Mechanical disc

**Service brakes** SAHR disc – each motor

**Two speed travel:**
- Max. high speed 3.5 mph (5.6 km/h)
- Max. low speed 2.1 mph (3.4 km/h)

**Automatic downshift**

**Drawbar pull** 42,300 lbf (188 kN)

**Gradeability** 70% – 35° Slope

**PRELIMINARY**

**ENGINE**

**Model** Isuzu AR-4HK1X

**Emissions Certification** Tier 4 Final

**Fuel** Requires ultra-low sulfur fuel BS biodiesel tolerant

**Type** Water-cooled, 4-cycle diesel, high pressure common rail system – electric control. VGT Turbocharger w/ air cooled intercooler, SCR system

**Cylinders** 4-cylinder in-line

**Displacement** 317 in³ (5.2 L)

**Bore/Stroke** 4.53 x 4.92 in (115 x 125 mm)

**Fuel injection** Direct injection – electronic

**Fuel filter** Replaceable, full flow spin-on cartridge

**Air filter** Dry type element w/ warning restriction indicator

**Oil filter** Replaceable, full flow spin-on cartridge

**Engine gradeability:**
- Side-to-side 35°
- Fore and aft 35°

**Net horsepower – SAE J1349 @ 1800 RPM:** 160 hp (119.3 kW)

**Net max. torque – SAE J1349 @ 1600 RPM:** 457 lbf·ft (620 N·m)

**Cooling operating range:** 113° to -4°F (45° to -20°C)

**Oil** Requires low-ash oil CJ-4

**DRIVETRAIN**

**Travel control** Dual stage relief/counter balance design

**Brakes** Mechanical disc

**Service brakes** SAHR disc – each motor

**Two speed travel:**
- Max. high speed 3.5 mph (5.6 km/h)
- Max. low speed 2.1 mph (3.4 km/h)

**Automatic downshift**

**Drawbar pull** 42,300 lbf (188 kN)

**Gradeability** 70% – 35° Slope

**ELECTRICAL**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>24 Volts</td>
</tr>
<tr>
<td>Alternator rating</td>
<td>50 amp</td>
</tr>
<tr>
<td>Batteries</td>
<td>2 x 12 Volt</td>
</tr>
<tr>
<td>Battery reserve capacity</td>
<td>92 Ah/5 hour</td>
</tr>
<tr>
<td>Work lights</td>
<td>4 x 70 watt</td>
</tr>
<tr>
<td>1 boom, 1 upper, 2 cab</td>
<td></td>
</tr>
</tbody>
</table>

**OPERATOR ENVIRONMENT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioner output</td>
<td>18,100 BTU/hr</td>
</tr>
<tr>
<td>Heater output</td>
<td>20,150 BTU/hr</td>
</tr>
<tr>
<td>Sound level inside cab</td>
<td>70 dBA</td>
</tr>
<tr>
<td>Electrical outlet</td>
<td>12 Volt</td>
</tr>
<tr>
<td>Cab interior light</td>
<td>10 watt</td>
</tr>
<tr>
<td>Rear view camera</td>
<td>Standard</td>
</tr>
</tbody>
</table>

**Monitor:**
- Rear view and side view – optional camera display
- Mode 1: work mode, Travel mode
- Attachment selection
- Auto idle indicator
- Fuel consumption gauge
- Power boost icon
- Fuel bar graph
- Oil temperature bar graph
- DEF/AdBlue bar graph
- Auto glow indicator
- Auxiliary mode display
- Hour meter
- Camera angle indicator
- Mode 2: free swing/swing lock indicator
- Light icon
- Wiper icon
- Mute icon
- Seat belt icon
- Warning messages
- Time and date
- Trip meter
- Pressure reading

**Seat:**
- High-back seat w/ heat and air suspension
- Adjustments: 65° tilt, manual weight, seat height, headrest, lumbar support, backrest angle, pivoting armrests linked to consoles; Retractable seat belt and control consoles adjust independently of seat.

**ATTACHMENT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>18 ft 7 in (5 700 mm)</td>
</tr>
<tr>
<td>Arm options</td>
<td>9 ft 0 in (2.70 m)</td>
</tr>
<tr>
<td>Bucket digging force</td>
<td>31,800 lbf (142 kN)</td>
</tr>
<tr>
<td>w/ auto power up</td>
<td>34,600 lbf (154 kN)</td>
</tr>
</tbody>
</table>

**NOTE:** Digging force ratings based on ISO6015.

**OPERATING WEIGHT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>48,100 lb (21 800 kg)</td>
</tr>
<tr>
<td>w/ shoes</td>
<td>2 ft 0 in (600 mm)</td>
</tr>
<tr>
<td>w/ boom</td>
<td>28 ft 5 in (8 700 mm)</td>
</tr>
<tr>
<td>w/ arm</td>
<td>21 ft 0 in (6.4 m)</td>
</tr>
<tr>
<td>w/ bucket</td>
<td>1,435 lb (651 kg)</td>
</tr>
<tr>
<td>w/ counterweight</td>
<td>9,150 lb (4 150 kg)</td>
</tr>
</tbody>
</table>

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

**GROUND PRESSURE**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ Standard operating weight</td>
<td>6.5 psi (0.45 bar)</td>
</tr>
<tr>
<td>w/ 23.6 in (600 mm) triple grouser shoes</td>
<td></td>
</tr>
</tbody>
</table>

**HYDRAULICS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main pumps</td>
<td>Two-variable displacement/axial piston pumps w/ regulating system</td>
</tr>
<tr>
<td>Max. rated flow x 2</td>
<td>55.7 gpm (211 L/min)</td>
</tr>
</tbody>
</table>

**System pressures:**
- Boom, arm and bucket 4,970 psi (350 bar)
- w/ Power Boost 5,410 psi (373 bar)
- Travel circuits 4,970 psi (350 bar)
- Swing circuits 4,260 psi (294 bar)

**Pilot pump** 1 x gear design

**Max. capacity** 4.8 gpm (18 L/min)

**Controls** w/ boom/arm holding valve

**Right track travel**
- 1 x Four-spool section
- auxiliary, swing, boom and arm acceleration.

**Left track travel**
- 1 x Five-spool section
- auxiliary, swing, boom and arm acceleration.

**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** Variable displacement axial piston motor
**HYDRAULIC CYLINDERS**

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom cylinders</td>
<td>Two (2)</td>
</tr>
<tr>
<td>Cylinder bore</td>
<td>4.7 in (120 mm)</td>
</tr>
<tr>
<td>Cylinder rod</td>
<td>3.3 in (85 mm)</td>
</tr>
<tr>
<td>Cylinder stroke</td>
<td>49.4 in (1 255 mm)</td>
</tr>
</tbody>
</table>

| Arm cylinder   | Two (2)                          |
| Cylinder bore  | 5.5 in (140 mm)                  |
| Cylinder rod   | 3.9 in (100 mm)                  |
| Cylinder stroke| 57.5 in (1 460 mm)               |

| Bucket cylinder| One (1)                           |
| Cylinder bore  | 4.7 in (120 mm)                   |
| Cylinder rod   | 3.3 in (85 mm)                    |
| Cylinder stroke| 39.8 in (1 010 mm)                |

**SERVICE CAPACITIES**

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>85 gal (320 L)</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>58 gal (220 L)</td>
</tr>
<tr>
<td>Hydraulic Sump tank</td>
<td>31 gal (117 L)</td>
</tr>
<tr>
<td>Engine oil w/ filter</td>
<td>6.1 gal (23.1 L)</td>
</tr>
<tr>
<td>Swing drive</td>
<td>1.3 gal (5 L)</td>
</tr>
<tr>
<td>Final drive (per side)</td>
<td>1.3 gal (5 L)</td>
</tr>
<tr>
<td>Cooling system</td>
<td>8.3 gal (31.4 L)</td>
</tr>
<tr>
<td>DEF Tank</td>
<td>22 gal (85 L)</td>
</tr>
</tbody>
</table>

**OTHER SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing speed</td>
<td>11.5 RPM</td>
</tr>
<tr>
<td>Swing torque</td>
<td>47,200 lbf·ft (64,000 kN·m)</td>
</tr>
<tr>
<td>Swing brake</td>
<td>Mechanical disc</td>
</tr>
<tr>
<td>Undercarriage:</td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>14 ft 6 in (4,460 mm)</td>
</tr>
<tr>
<td>Track gauge</td>
<td>6 ft 5 in (1,990 mm)</td>
</tr>
<tr>
<td>Carrier rollers</td>
<td>2</td>
</tr>
<tr>
<td>Track rollers</td>
<td>8</td>
</tr>
<tr>
<td>Shoes – triple grouser</td>
<td>49</td>
</tr>
<tr>
<td>Shoe width – std.</td>
<td>2 ft 0 in (600 mm)</td>
</tr>
<tr>
<td>Link pitch</td>
<td>7.5 in (190 mm)</td>
</tr>
<tr>
<td>Track:</td>
<td></td>
</tr>
<tr>
<td>Chain</td>
<td>Grease lubricated/strutted</td>
</tr>
<tr>
<td>Guides</td>
<td>Single</td>
</tr>
<tr>
<td>Adjustment</td>
<td>Hydraulic</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>9 ft 8 in (2.94 m) Arm</th>
<th>7 ft 10 in (2.40 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height</td>
<td>10 ft 8 in (3,310 mm)</td>
<td>10 ft 8 in (3,310 mm)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>9 ft 11 in (3,020 mm)</td>
<td>9 ft 11 in (3,020 mm)</td>
</tr>
<tr>
<td>C. Overall height to top of guardrail</td>
<td>10 ft 8 in (3,310 mm)</td>
<td>10 ft 8 in (3,310 mm)</td>
</tr>
<tr>
<td>D. Overall length – with attachment</td>
<td>31 ft 2 in (9,490 mm)</td>
<td>31 ft 5 in (9,570 mm)</td>
</tr>
<tr>
<td>E. Overall length – without attachment</td>
<td>16 ft 7 in (5,060 mm)</td>
<td>16 ft 7 in (5,060 mm)</td>
</tr>
<tr>
<td>F. Width of upper structure</td>
<td>8 ft 4 in (2,530 mm)</td>
<td>8 ft 4 in (2,530 mm)</td>
</tr>
<tr>
<td>G. Track overall length</td>
<td>14 ft 8 in (4,460 mm)</td>
<td>14 ft 8 in (4,460 mm)</td>
</tr>
<tr>
<td>H. 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>
</tr>
<tr>
<td>I. Track shoe width</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>12 ft 1 in (3,660 mm)</td>
<td>12 ft 1 in (3,660 mm)</td>
</tr>
<tr>
<td>K. Upper structure ground clearance</td>
<td>3 ft 7 in (1,080 mm)</td>
<td>3 ft 7 in (1,080 mm)</td>
</tr>
<tr>
<td>L. Minimum ground clearance</td>
<td>1 ft 5 in (430 mm)</td>
<td>1 ft 5 in (430 mm)</td>
</tr>
<tr>
<td>M. Rear tail swing radius</td>
<td>9 ft 4 in (2,830 mm)</td>
<td>9 ft 4 in (2,830 mm)</td>
</tr>
<tr>
<td>Operating weight*</td>
<td>48,100 lb (21,800 kg)</td>
<td>48,048 lb (21,794 kg)</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>6.5 psi (0.45 bar)</td>
<td>6.5 psi (0.45 bar)</td>
</tr>
</tbody>
</table>

NOTE: *With 18 ft 8 in (5.70 m) boom, 23.5 in (600 mm) track shoe, 1,433 lb (650 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.
## PERFORMANCE SPECS

<table>
<thead>
<tr>
<th></th>
<th>9 ft 8 in (2.94 m) Arm</th>
<th>7 ft 10 in (2.40 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum dig radius</td>
<td>32 ft 6 in (9 900 mm)</td>
<td>30 ft 11 in (9 420 mm)</td>
</tr>
<tr>
<td>B. Dig radius at groundline</td>
<td>31 ft 11 in (9 730 mm)</td>
<td>30 ft 4 in (9 240 mm)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>21 ft 8 in (6 620 mm)</td>
<td>19 ft 11 in (6 080 mm)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>21 ft 2 in (6 440 mm)</td>
<td>19 ft 3 in (5 870 mm)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>22 ft 5 in (6 840 mm)</td>
<td>21 ft 8 in (6 620 mm)</td>
</tr>
<tr>
<td>F. Maximum reach height</td>
<td>31 ft 7 in (9 640 mm)</td>
<td>30 ft 9 in (9 420 mm)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>177°</td>
<td>177°</td>
</tr>
<tr>
<td>H. Maximum vertical wall dig depth</td>
<td>19 ft 5 in (5 930 mm)</td>
<td>17 ft 10 in (5 450 mm)</td>
</tr>
<tr>
<td>J. Minimum swing radius</td>
<td>12 ft 1 in (3 660 mm)</td>
<td>11 ft 9 in (3 620 mm)</td>
</tr>
</tbody>
</table>

**Arm digging force:**
- Standard: 23,100 lbf (103 kN)
- Power Boost: 25,100 lbf (112 kN)

**Bucket digging force:**
- Standard: 31,800 lbf (142 kN)
- Power Boost: 34,600 lbf (154 kN)
## CX210D NLC – 18 ft 8 in (5.70 m) Boom and 9 ft 8 in (2.94 m) Arm, Lift capacities using a 1,450 lb (650 kg) bucket, 9,200 lb (4 170 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</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>30 ft (9.0 m)</th>
<th>35 ft (10.5 m)</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
</tr>
<tr>
<td>25 ft (7.5 m)</td>
<td></td>
<td></td>
<td></td>
<td>6,658 lb* (3 020 kg)*</td>
<td>6,658 lb* (3 020 kg)*</td>
<td></td>
<td>25 ft 1 in (7.75 m)</td>
</tr>
<tr>
<td>+20 ft (8 m)</td>
<td></td>
<td></td>
<td></td>
<td>8,708 lb* (3 950 kg)*</td>
<td>8,623 lb (3 410 kg)</td>
<td></td>
<td>28 ft 5 in (8.7 m)</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td></td>
<td></td>
<td></td>
<td>10,538 lb* (4 780 kg)*</td>
<td>8,811 lb* (4 450 kg)*</td>
<td></td>
<td>30 ft 4 in (9.27 m)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td></td>
<td></td>
<td></td>
<td>13,007 lb* (5 900 kg)*</td>
<td>9,921 lb* (4 500 kg)*</td>
<td></td>
<td>31 ft 3 in (9.53 m)</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td>22,090 lb* (10 020 kg)*</td>
<td>23,589 lb* (10 700 kg)*</td>
<td>12,170 lb (5 520 kg)</td>
<td>10,565 lb (4 800 kg)</td>
<td>7,937 lb* (3 560 kg)</td>
<td>11,001 lb (4 990 kg)</td>
<td>6,666 lb (2 970 kg)</td>
</tr>
<tr>
<td>Groundline</td>
<td></td>
<td></td>
<td></td>
<td>18,429 lb* (8 350 kg)*</td>
<td>12,412 lb (5 630 kg)</td>
<td></td>
<td>25 ft 10 in (7.9 m)</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>24,978 lb* (11 650 kg)*</td>
<td>26,411 lb* (12 040 kg)*</td>
<td>12,787 lb (5 800 kg)</td>
<td>10,653 lb (4 860 kg)</td>
<td>7,415 lb* (3 360 kg)</td>
<td>11,155 lb (4 600 kg)</td>
<td>6,260 lb (2 640 kg)</td>
</tr>
<tr>
<td>-10 ft (-3 m)</td>
<td>18,761 lb* (8 510 kg)*</td>
<td>20,176 lb* (9 560 kg)*</td>
<td>12,328 lb (5 600 kg)</td>
<td>11,065 lb (4 980 kg)</td>
<td>6,586 lb (2 970 kg)</td>
<td>10,310 lb (4 600 kg)</td>
<td>5,520 lb (2 410 kg)</td>
</tr>
<tr>
<td>-15 ft (-4.5 m)</td>
<td>31,063 lb* (14 090 kg)*</td>
<td>32,698 lb* (15 020 kg)*</td>
<td>12,631 lb (5 690 kg)</td>
<td>10,471 lb (4 690 kg)</td>
<td>6,810 lb (3 080 kg)</td>
<td>11,021 lb* (5 020 kg)*</td>
<td>5,550 lb (2 490 kg)</td>
</tr>
</tbody>
</table>

**NOTE:** Following number indicates hydraulic capacity.

## CX210D NLC Short – 18 ft 8 in (5.70 m) Boom and 7 ft 11 in (2.40 m) Arm, Lift capacities using a 1,550 lb (700 kg) bucket, 9,200 lb (4 170 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</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>30 ft (9.0 m)</th>
<th>35 ft (10.5 m)</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
</tr>
<tr>
<td>25 ft (7.5 m)</td>
<td></td>
<td></td>
<td></td>
<td>7,716 lb* (3 500 kg)*</td>
<td>7,716 lb* (3 500 kg)*</td>
<td></td>
<td>23 ft 0 in (7.12 m)</td>
</tr>
<tr>
<td>+20 ft (8 m)</td>
<td></td>
<td></td>
<td></td>
<td>9,546 lb (4 330 kg)</td>
<td>6,680 lb (3 030 kg)</td>
<td></td>
<td>26 ft 7 in (8.16 m)</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td></td>
<td></td>
<td></td>
<td>10,318 lb* (4 680 kg)*</td>
<td>9,811 lb* (4 450 kg)*</td>
<td></td>
<td>28 ft 8 in (8.77 m)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td></td>
<td></td>
<td></td>
<td>14,021 lb* (6 360 kg)*</td>
<td>9,524 lb (4 320 kg)</td>
<td></td>
<td>30 ft 9 in (9.35 m)</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td></td>
<td></td>
<td></td>
<td>18,210 lb* (8 260 kg)*</td>
<td>11,801 lb* (5 340 kg)*</td>
<td></td>
<td>31 ft 3 in (9.53 m)</td>
</tr>
<tr>
<td>Groundline</td>
<td></td>
<td></td>
<td></td>
<td>16,601 lb* (7 530 kg)*</td>
<td>12,831 lb (5 820 kg)</td>
<td></td>
<td>29 ft 8 in (9.05 m)</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>18,012 lb* (8 170 kg)*</td>
<td>20,298 lb* (9 160 kg)*</td>
<td>12,170 lb (5 520 kg)</td>
<td>10,565 lb (4 800 kg)</td>
<td>8,140 lb (3 680 kg)</td>
<td>11,021 lb* (5 020 kg)*</td>
<td>5,550 lb (2 490 kg)</td>
</tr>
<tr>
<td>-10 ft (-3 m)</td>
<td>24,978 lb* (11 330 kg)*</td>
<td>26,411 lb* (12 040 kg)*</td>
<td>12,631 lb (5 690 kg)</td>
<td>10,318 lb* (4 680 kg)*</td>
<td>7,716 lb (3 490 kg)</td>
<td>11,021 lb* (5 020 kg)*</td>
<td>5,550 lb (2 490 kg)</td>
</tr>
<tr>
<td>-15 ft (-4.5 m)</td>
<td>16,601 lb* (7 530 kg)*</td>
<td>19,441 lb* (8 810 kg)*</td>
<td>11,021 lb (5 020 kg)</td>
<td>10,318 lb* (4 680 kg)*</td>
<td>7,716 lb* (3 490 kg)*</td>
<td>11,021 lb* (5 020 kg)*</td>
<td>5,550 lb (2 490 kg)</td>
</tr>
</tbody>
</table>
STANDARD EQUIPMENT

ENGINE

Isuzu AR-4HK1X Tier 4 Final Certified
Selective Catalytic Reduction – SCR
Diesel Oxidation Catalyst – DOC
Cooled Exhaust Gas Recirculation – CEGR
eGR Coolers
Four-cylinder turbo-charged diesel
VGT turbocharger
Electronic fuel injection
High pressure common rail system
Neutral safety start
Auto-engine warm up
Glow-plug pre-heat
Fuel Economy Assist System – FEA
Engine Protection Feature – EPF
dual element air filter
Remote oil filter
Drain for fuel tank
Remote engine oil drain
500-hour engine oil change interval
24 Volt system
Engine oil sample port
Battery disconnect switch
Emergency engine stop
External Fuel and DEF gauges
Fan housing
Fuel cooler
Fuel filter restriction indicator
Fuel shut-off valve
Idle start
Radiators, oil cooler, intercooler – protective screen

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:
Auto-idle
One-touch idle
Auto-idle shut-down
BEC – Boom Economy Control
AEC – Auto Economy Control
SWC – Swing Relief Control
SSC – Spool Stroke Control

HYDRAULICS

Auto power boost
Auto swing priority
Arm speed assistance – 2 pump flow
Auxiliary flow control
Auxiliary valve
Boom speed assistance – 2 pump flow
Bucket curl assist
Control levers pre-wired for auxiliary hydraulics
Electronically controlled hydraulic pumps
Holding valve – Boom and Arm
Fire wall
Hydraulic filter restriction indicator
Neutral pump de-stroke
Oil cooler

POWER

Power save
Pump stand-by pressure
Auto travel speed change
Selectable work modes
Free swing
Hydraulic oil sample port
Control pattern selector
Pre-set auxiliary pump settings
Auxiliary valve
5,000-hour hydraulic oil change interval
1,000-hour hydraulic filter change interval
SAHR brake

UPPER STRUCTURE

ISO mirrors – 3
Cab ISO-Mounts – fluid and spring
Upper mounted work light – 70 watt
Swivel guard belly pan
Center cover – over main CV
Fuel tank belly pan
Handrail – RH access
ISO guard rails
Lifting eyes for counterweight
Lockable fuel cap, service doors and tool box

ATTACHMENTS

Boom – 18 ft 8 in (5.70 m)
Arm – 9 ft 8 in (2.94 m)
Heavy-duty bucket linkage
Boom mounted work light – 70 watt
Auxiliary pipe brackets
Centralized grease fittings
Attachment cushion valve
Arm and boom regeneration
Bucket anti-clatter device
Chrome pins
Easy Maintenance System (EMS) bushings
Teardrop pin retention keepers

OPERATOR ENVIRONMENT

ROPS protection
FOPS cab top guard – Level 1
Pressurized cab
Face vent
Cab lights – 2
Interior dome light
One-touch lock front window
One piece window – right
Safety glass windows
Gate lock hydraulic activation
Emergency exit and hammer
Clear polycarbonate roof window
with sunshade
AC/heat/defrost with auto climate control
LED Color monitor – 7 in (180 mm)
26 selectable languages for monitor
On-board diagnostic system
10 programmable attachments settings on monitor – 5 single flow, 5 dual flow
Seatbelt – 3 in (76 mm)
Heated high-back cloth seat with air suspension and 65° tilt adjustment
Sliding seat – 3.54 in (90 mm)
Adjustable armrests

UNDERCARRIAGE

Long undercarriage
31.5 in (800 mm) steel shoes, triple semi-grouser
Full overlap turntable bearing tub
Single track chain guides
Hydraulic track adjustment
Sealed link chain
Steps
Carbody belly pan – swivel guard
X-pattern carbody
Lashing points – tie downs
Extra Filter Kit:
Engine oil filter
Filter wrench
Fuel filters
Grease gun
Green plug oil drain hose for engine oil drain
Hydraulic return filter
Pilot circuit hydraulic filter

TELEMATICS

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

**ENGINE**
- Refueling pump
- Air pre-cleaner – Cyclone
- High ambient temperature cooling package

**HYDRAULICS**
- Auxiliary hydraulics:
  - Single acting/joystick activated
  - Double acting/joystick activated – thumb
  - Multi-function with electronic pressure control/joystick activated with electronic proportional controls
- Secondary low-flow/joystick activated
- Proportional hydraulic controls
- Hose Burst Check Valve – HBCV

**ATTACHMENTS**
- Heavy-duty arm – 7 ft 10 in (2.40 m)
- Quick coupler/Case multi-pin grabber
- Tools:
  - Heavy-duty/Extreme-duty/Ditching Buckets; Hammers; Thumbs; Compaction plates.
  - Load holding control

**OPERATOR ENVIRONMENT**
- FOPS cab top guard – Level 2
- Front grill guard – 2 x 2 in (50.8 x 50.8 mm) screen mesh
- Front rock guard – vertical bars
  - Two piece/OPG 1
  - One piece/OPG 2
- Vandal guard (front window) with common key
- Rain deflector – not available with Front guards
- Sun visor
- Side-view camera
- LED Package:
  - Includes 1 Side view camera and 6 LED Lights – 2 front cab mounted, 2 rear mounted and 1 mounted on each side

**UPPER STRUCTURE**
- Rubber bumper guard – order through Service Parts

**UNDERCARRIAGE**
- 23.6 in (600 mm) rubber link chain, bolt-on rubber pads on steel chain
- 23.6 in (600 mm) steel shoes, triple semi-grouser
- 27.6 in (700 mm) steel shoes, triple semi-grouser
- Track guides – triple

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Always read the Operator’s Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.