CX210D STD LC
EXCAVATOR
STANDARD LONG UNDERRIGGAGE (LC)
TIER 4 FINAL CERTIFIED

**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)
- Drawbar pull: 42,264 lbf (188 kN)
- Gradeability: 70% – 35° Slope

**ELECTRICAL**
- Voltage: 24 Volts
- Alternator rating: 50 amp
- Batteries: 2 x 12 Volt
- Battery reserve capacity: 92 Ah/5 hour
- Work lights: 4 24 Volt/70 watt
  - 1 boom, 1 upper, 2 cab

**OPERATOR ENVIRONMENT**
- Air conditioner output: 18,100 BTU/hr
- Heater output: 20,150 BTU/hr
- Sound level inside cab – ISO6396: 70 dBA
- Cab interior light: 10 watt
- Rear view camera: Standard
- 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; Water temperature bar graph;
  - DEF/AdBlue refill icon; Anti-theft icon; DTC indicator;
  - Low output icon; SCR cleaning icon; SCR warning icons; Freeze protection;
  - 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**
- Boom: 18 ft 8 in (5.70 m)
- Arm options:
  - Standard: 9 ft 8 in (2.94 m)
  - Heavy-duty: 7 ft 10 in (2.40 m)
- Bucket digging force:
  - 31,923 lbf (142 kN)
  - w/ Auto Power-Boost: 34,621 lbf (154 kN)
- NOTE: *Digging force ratings based on ISO6015.

**OPERATING WEIGHT**
- Operating weight:
  - w/ shoes: 2 ft 6.25 in (800 mm)
  - w/ boom: 18 ft 8 in (5.7 m)
  - w/ arm: 9 ft 8 in (2.94 m)
  - w/ bucket: 1,433 lb (650 kg)
  - w/ counterweight: 8,640 lb (3,920 kg)
- NOTE: W/ operator/full fuel/standard equipment.

**GROUND PRESSURE**
- Standard operating weight: 4.9 psi (0.34 bar)
  - w/ 31.5 in (800 mm) triple semi-grouser shoes

**HYDRAULICS**
- System design: Open center
  - Main pumps: Two-variable displacement/axial piston pumps w/ regulating system
  - Max. rated flow x 2: 55.7 gpm (211 L/min)
  - System pressures:
    - Boom, arm and bucket: 4,975 psi (343 bar)
    - w/ Power Boost: 5,410 psi (373 bar)
    - Travel circuits: 4,975 psi (343 bar)
    - Swing circuits: 4,264 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
    - Left track travel: 1 x 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

**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: 458 lbf·ft (621 N·m)
- Cooling operating range: 113° to -4°F (45° to -20°C)
- Oil: Requires low-ash oil CJ-4

NOTE: *Digging force ratings based on ISO6015.
### HYDRAULIC CYLINDERS

<table>
<thead>
<tr>
<th>Cylinder Type</th>
<th>Quantity</th>
<th>Bore (in)</th>
<th>Rod Diameter (in)</th>
<th>Stroke (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom cylinders</td>
<td>2</td>
<td>4.7</td>
<td>3.3</td>
<td>49.4</td>
</tr>
<tr>
<td>Arm cylinder</td>
<td>1</td>
<td>5.5</td>
<td>3.9</td>
<td>57.5</td>
</tr>
<tr>
<td>Bucket cylinder</td>
<td>1</td>
<td>4.7</td>
<td>3.3</td>
<td>39.8</td>
</tr>
</tbody>
</table>

### SERVICE CAPACITIES

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>108 gal (410.0 L)</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>66 gal (250.0 L)</td>
</tr>
<tr>
<td>Hydraulic Sump tank</td>
<td>39 gal (147.0 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 (5.0 L)</td>
</tr>
<tr>
<td>Cooling system</td>
<td>8.3 gal (31.4 L)</td>
</tr>
<tr>
<td>DEF Tank</td>
<td>31.7 gal (120.0 L)</td>
</tr>
</tbody>
</table>

### OTHER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing speed</td>
<td>11.5 RPM</td>
</tr>
<tr>
<td>Swing torque</td>
<td>47,204 lbf·ft (64 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 8 in (4270 mm)</td>
</tr>
<tr>
<td>Track gauge</td>
<td>7 ft 10 in (2390 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 7 in (800 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>CX210D (2.94 m Arm)</th>
<th>CX210D (2.40 m Arm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height – with attachment</td>
<td>9 ft 8 in (2980 mm)</td>
<td>7 ft 10 in (2400 mm)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>9 ft 9 in (2990 mm)</td>
<td>9 ft 9 in (2990 mm)</td>
</tr>
<tr>
<td>C. Overall height to top of guardrail</td>
<td>10 ft 8 in (3280 mm)</td>
<td>10 ft 8 in (3280 mm)</td>
</tr>
<tr>
<td>D. Overall length – with attachment</td>
<td>30 ft 9 in (9430 mm)</td>
<td>31 ft 2 in (9510 mm)</td>
</tr>
<tr>
<td>E. Overall length – without attachment</td>
<td>16 ft 8 in (5000 mm)</td>
<td>16 ft 8 in (5000 mm)</td>
</tr>
<tr>
<td>F. Width of upper structure</td>
<td>9 ft 1 in (2770 mm)</td>
<td>9 ft 1 in (2770 mm)</td>
</tr>
<tr>
<td>G. Track overall length</td>
<td>14 ft 7 in (4470 mm)</td>
<td>14 ft 7 in (4470 mm)</td>
</tr>
<tr>
<td>H. Track overall width with 36.5 in (800 mm) shoes</td>
<td>10 ft 5 in (3190 mm)</td>
<td>10 ft 5 in (3190 mm)</td>
</tr>
<tr>
<td>I. Track shoe width</td>
<td>2 ft 2 in (800 mm)</td>
<td>2 ft 2 in (800 mm)</td>
</tr>
<tr>
<td>J. Center to center – idler to sprocket</td>
<td>12 ft 0 in (3660 mm)</td>
<td>12 ft 0 in (3660 mm)</td>
</tr>
<tr>
<td>K. Upper structure ground clearance</td>
<td>3 ft 4 in (1050 mm)</td>
<td>3 ft 4 in (1050 mm)</td>
</tr>
<tr>
<td>L. Minimum ground clearance</td>
<td>1 ft 4 in (440 mm)</td>
<td>1 ft 4 in (440 mm)</td>
</tr>
<tr>
<td>M. Rear tail swing radius</td>
<td>9 ft 1 in (2770 mm)</td>
<td>9 ft 1 in (2770 mm)</td>
</tr>
<tr>
<td>Operating weight*</td>
<td>48,900 lb (22200 kg)</td>
<td>48,848 lb (22181 kg)</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>4.93 psi (0.34 bar)</td>
<td>4.93 psi (0.34 bar)</td>
</tr>
</tbody>
</table>

NOTE: *With 18 ft 8 in (5.70 m) boom, 31.5 in (800 mm) track shoe, 1433 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 7 in (6 620 mm)</td>
<td>20 ft 1 in (6 110 mm)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>21 ft 2 in (6 470 mm)</td>
<td>19 ft 4 in (5 900 mm)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>22 ft 3 in (6 810 mm)</td>
<td>21 ft 6 in (6 590 mm)</td>
</tr>
<tr>
<td>F. Maximum reach height</td>
<td>31 ft 5 in (9 610 mm)</td>
<td>30 ft 8 in (9 390 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 6 in (5 960 mm)</td>
<td>17 ft 11 in (5 480 mm)</td>
</tr>
<tr>
<td>J. Minimum swing radius</td>
<td>12 ft 0 in (3 660 mm)</td>
<td>11 ft 11 in (3 620 mm)</td>
</tr>
</tbody>
</table>

- **Arm digging force:**
  - Standard: 23,155 lbf (103 kN)  
  - Power Boost: 25,179 lbf (112 kN)
  - 9 ft 8 in (2.94 m) Arm: 27,651 lbf (123 kN)  
  - 7 ft 10 in (2.40 m) Arm: 29,900 lbf (133 kN)

- **Bucket digging force:**
  - Standard: 31,923 lbf (142 kN)  
  - Power Boost: 34,621 lbf (154 kN)
  - 9 ft 8 in (2.94 m) Arm: 31,923 lbf (142 kN)  
  - 7 ft 10 in (2.40 m) Arm: 34,621 lbf (154 kN)
### Lift Capacities

**9 ft 8 in (2.94 m)** Lift capacities using a 1,433 lb (650 kg) bucket, 8,642 lb (3,920 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>MINIMUM REACH</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>30 ft (9 m)</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ø</td>
<td>END</td>
<td>SIDE</td>
<td>END</td>
<td>SIDE</td>
<td>END</td>
<td>SIDE</td>
<td>END</td>
</tr>
<tr>
<td>+25 ft (7.5 m)</td>
<td>20 ft 2 in</td>
<td>6.250 lb* (2,880 kg)*</td>
<td>6.250 lb* (2,880 kg)*</td>
<td>5,100 lb* (2,310 kg)*</td>
<td>5,100 lb* (2,310 kg)*</td>
<td>25 ft 0 in</td>
<td>5,000 lb* (2,260 kg)*</td>
<td>5,000 lb* (2,260 kg)*</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td>20 ft 1 in</td>
<td>9,200 lb* (4,180 kg)*</td>
<td>9,200 lb* (4,180 kg)*</td>
<td>8,550 lb* (3,860 kg)*</td>
<td>7,850 lb* (3,550 kg)*</td>
<td>28 ft 4 in</td>
<td>4,750 lb* (2,150 kg)*</td>
<td>4,750 lb* (2,150 kg)*</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td>16 ft 11 in</td>
<td>11,350 lb* (5,145 kg)*</td>
<td>11,350 lb* (5,145 kg)*</td>
<td>10,300 lb* (4,680 kg)*</td>
<td>10,300 lb* (4,680 kg)*</td>
<td>30 ft 4 in</td>
<td>5,000 lb* (2,260 kg)*</td>
<td>5,000 lb* (2,260 kg)*</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td>7 ft 5 in</td>
<td>18,400 lb* (8,360 kg)*</td>
<td>18,400 lb* (8,360 kg)*</td>
<td>22,500 lb* (10,240 kg)*</td>
<td>16,350 lb* (7,410 kg)*</td>
<td>31 ft 3 in</td>
<td>4,850 lb* (2,190 kg)*</td>
<td>4,850 lb* (2,190 kg)*</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td>8 ft 5 in</td>
<td>9,350 lb* (4,220 kg)*</td>
<td>9,350 lb* (4,220 kg)*</td>
<td>20,300 lb* (9,200 kg)*</td>
<td>14,600 lb* (6,630 kg)*</td>
<td>35 ft 6 in</td>
<td>5,000 lb* (2,260 kg)*</td>
<td>5,000 lb* (2,260 kg)*</td>
</tr>
<tr>
<td>Groundline</td>
<td>5 ft 6 in</td>
<td>8,300 lb* (3,770 kg)*</td>
<td>8,300 lb* (3,770 kg)*</td>
<td>19,950 lb* (9,040 kg)*</td>
<td>6,700 lb* (3,040 kg)*</td>
<td>11 ft</td>
<td>6,000 lb* (2,720 kg)*</td>
<td>6,000 lb* (2,720 kg)*</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>1 ft 7 in</td>
<td>11,700 lb* (5,320 kg)*</td>
<td>11,700 lb* (5,320 kg)*</td>
<td>16,400 lb* (7,450 kg)*</td>
<td>14,600 lb* (6,630 kg)*</td>
<td>28 ft 8 in</td>
<td>6,650 lb* (2,990 kg)*</td>
<td>6,650 lb* (2,990 kg)*</td>
</tr>
<tr>
<td>-10 ft (-3 m)</td>
<td>1 ft 7 in</td>
<td>18,100 lb* (8,250 kg)*</td>
<td>18,100 lb* (8,250 kg)*</td>
<td>22,300 lb* (10,120 kg)*</td>
<td>15,050 lb* (6,800 kg)*</td>
<td>31 ft 3 in</td>
<td>6,000 lb* (2,720 kg)*</td>
<td>6,000 lb* (2,720 kg)*</td>
</tr>
<tr>
<td>-15 ft (-4.5 m)</td>
<td>4 ft 0 in</td>
<td>29,150 lb* (13,200 kg)*</td>
<td>29,150 lb* (13,200 kg)*</td>
<td>31,500 lb* (14,300 kg)*</td>
<td>19,950 lb* (9,040 kg)*</td>
<td>25 ft 11 in</td>
<td>6,400 lb* (2,890 kg)*</td>
<td>6,400 lb* (2,890 kg)*</td>
</tr>
</tbody>
</table>

### 7 ft 10 in (2.40 m) Lift capacities using a 1,543 lb (700 kg) bucket, 8,642 lb (3,920 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>MINIMUM REACH</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>30 ft (9 m)</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ø</td>
<td>END</td>
<td>SIDE</td>
<td>END</td>
<td>SIDE</td>
<td>END</td>
<td>SIDE</td>
<td>END</td>
</tr>
<tr>
<td>+25 ft (7.5 m)</td>
<td>18 ft 5 in</td>
<td>5,600 lb* (2,540 kg)*</td>
<td>5,600 lb* (2,540 kg)*</td>
<td>8,700 lb* (3,950 kg)*</td>
<td>8,700 lb* (3,950 kg)*</td>
<td>22 ft 11 in</td>
<td>7,400 lb* (3,360 kg)*</td>
<td>7,400 lb* (3,360 kg)*</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td>18 ft 4 in</td>
<td>10,250 lb* (4,660 kg)*</td>
<td>10,250 lb* (4,660 kg)*</td>
<td>10,250 lb* (4,660 kg)*</td>
<td>10,250 lb* (4,660 kg)*</td>
<td>26 ft 7 in</td>
<td>7,000 lb* (3,180 kg)*</td>
<td>7,000 lb* (3,180 kg)*</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td>13 ft 4 in</td>
<td>13,250 lb* (6,025 kg)*</td>
<td>13,250 lb* (6,025 kg)*</td>
<td>13,600 lb* (6,170 kg)*</td>
<td>13,600 lb* (6,170 kg)*</td>
<td>28 ft 8 in</td>
<td>6,950 lb* (3,140 kg)*</td>
<td>6,950 lb* (3,140 kg)*</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td>9 ft 9 in</td>
<td>14,650 lb* (6,625 kg)*</td>
<td>14,650 lb* (6,625 kg)*</td>
<td>17,950 lb* (8,160 kg)*</td>
<td>16,350 lb* (7,380 kg)*</td>
<td>29 ft 8 in</td>
<td>7,550 lb* (3,400 kg)*</td>
<td>7,550 lb* (3,400 kg)*</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td>10 ft 7 in</td>
<td>13,450 lb* (6,100 kg)*</td>
<td>13,450 lb* (6,100 kg)*</td>
<td>21,300 lb* (9,650 kg)*</td>
<td>15,050 lb* (6,810 kg)*</td>
<td>28 ft 10 in</td>
<td>6,850 lb* (3,100 kg)*</td>
<td>6,850 lb* (3,100 kg)*</td>
</tr>
<tr>
<td>Groundline</td>
<td>8 ft 8 in</td>
<td>12,750 lb* (5,790 kg)*</td>
<td>12,750 lb* (5,790 kg)*</td>
<td>17,000 lb* (7,690 kg)*</td>
<td>15,050 lb* (6,810 kg)*</td>
<td>26 ft 0 in</td>
<td>6,350 lb* (2,890 kg)*</td>
<td>6,350 lb* (2,890 kg)*</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>3 ft 4 in</td>
<td>12,350 lb* (5,580 kg)*</td>
<td>12,350 lb* (5,580 kg)*</td>
<td>18,050 lb* (8,200 kg)*</td>
<td>18,050 lb* (8,200 kg)*</td>
<td>21 ft 11 in</td>
<td>6,900 lb* (3,140 kg)*</td>
<td>6,900 lb* (3,140 kg)*</td>
</tr>
<tr>
<td>-10 ft (-3 m)</td>
<td>3 ft 5 in</td>
<td>22,050 lb* (9,980 kg)*</td>
<td>22,050 lb* (9,980 kg)*</td>
<td>25,150 lb* (11,400 kg)*</td>
<td>25,150 lb* (11,400 kg)*</td>
<td>23 ft 11 in</td>
<td>7,600 lb* (3,450 kg)*</td>
<td>7,600 lb* (3,450 kg)*</td>
</tr>
<tr>
<td>-15 ft (-4.5 m)</td>
<td>6 ft 5 in</td>
<td>42,150 lb* (19,090 kg)*</td>
<td>42,150 lb* (19,090 kg)*</td>
<td>25,950 lb* (11,700 kg)*</td>
<td>18,100 lb* (8,200 kg)*</td>
<td>19 ft 4 in</td>
<td>6,600 lb* (2,990 kg)*</td>
<td>6,600 lb* (2,990 kg)*</td>
</tr>
</tbody>
</table>

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

ENGINE
Isuzu AR-4HK1X
Tier 4 Final Certified
Selective Catalytic Reduction – SCR
Diesel Oxidation Catalyst – DOC
Cooled Exhaust Gas Recirculation – CEGR
Coated 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-stage fuel filtration
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
Radiator, 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 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

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
  - Front rock guard – vertical bars
  - 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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