**ELECTRICAL**

Voltage 24 Volts  
Alternator rating 50 amp  
Batteries 2 x 12 Volt  
Battery reserve capacity 72 Ah/5 hour  
Work lights – 4  
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 – ISO6395 70 dBA  
Electrical outlet 12 Volt  
Cab interior light 10 watt  
Rear view camera Standard  
Seat Heated, air-suspension

**ATTACHMENT**

Boom 15 ft 2 in (4 630 mm)  
Arm options 8 ft 2 in (2.5 m)  
9 ft 10 in (3.01 m)  
6 ft 11 in (2.11 m)  
Bucket digging force 20,200 lbf (90 kN)  
with auto power up 21,400 lbf (95 kN)  
NOTE: *Digging force ratings based on ISO6015.

**OPERATING WEIGHT**

Operating weight 29,100 lb (13 200 kg)  
with shoes 2 ft 0 in (600 mm)  
with boom 15 ft 2 in (4 630 mm)  
with arm 8 ft 2 in (2.5 m)  
with bucket 882 lb (400 kg)  
with counterweight 4,380 lb (1 990 kg)  
NOTE: *Weight ratings based on ISO6015.

**GROUND PRESSURE**

@ Standard operating weight 4.8 psi (0.33 bar)  
with 23.6 in (600 mm) triple grouser shoes

**HYDRAULICS**

System design Open center  
Main pumps Two-variable displacement/axial piston  
Max. rated flow per pump: 34.1 gpm (129 L/min) @ 2000 RPM  
Max. rated flow total: 68.2 gpm (258 L/min) @ 2000 RPM  
System pressures:  
Boom, arm and bucket 4,970 psi (343 bar)  
with Power Boost 5,260 psi (363 bar)  
Travel circuits 4,970 psi (343 bar)  
Swing circuits 4,050 psi (279 bar)  
Pilot pump 1 x gear design  
Max. capacity 5.3 gpm (20 L/min)

**SERVICE CAPACITIES**

Fuel tank 69 gal (260 L)  
Hydraulic system 41 gal (157 L)  
Hydraulic tank 22 gal (82 L)  
Engine oil with filter 4.5 gal (17 L)  
Swing drive 0.6 gal (2.2 L)  
Final drive 0.6 gal (2.1 L)  
Cooling system 4.7 gal (17.7 L)  
DEF tank 20 gal (75 L)

**OTHER SPECIFICATIONS**

Swing speed 14.3 RPM  
Swing torque 24,400 lbf·ft (33 000 kN·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 – each side 2  
Track rollers – each side 7  
Shoes – triple grouser – each side 46  
Shoe width – std. 2 ft 0 in (600 mm)  
Link pitch 7 in (172 mm)  
Track:  
Chain Grease lubricated/strutted  
Guides Single  
Adjustment Hydraulic
### DIMENSIONS

<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 11 in (2.11 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height</td>
<td>9 ft 1 in (2 770 mm)</td>
<td>8 ft 8 in (2 640 mm)</td>
<td>8 ft 10 in (2 680 mm)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>9 ft 3 in (2 830 mm)</td>
<td>9 ft 3 in (2 830 mm)</td>
<td>9 ft 3 in (2 830 mm)</td>
</tr>
<tr>
<td>C. Overall length – with attachment</td>
<td>25 ft 1 in (7 650 mm)</td>
<td>25 ft 1 in (7 640 mm)</td>
<td>25 ft 1 in (7 640 mm)</td>
</tr>
<tr>
<td>D. Overall length – without attachment</td>
<td>13 ft 2 in (4 030 mm)</td>
<td>13 ft 2 in (4 030 mm)</td>
<td>13 ft 2 in (4 030 mm)</td>
</tr>
<tr>
<td>E. Width of upper structure</td>
<td>8 ft 4 in (2 530 mm)</td>
<td>8 ft 4 in (2 530 mm)</td>
<td>8 ft 4 in (2 530 mm)</td>
</tr>
<tr>
<td>F. Track overall length</td>
<td>12 ft 4 in (3 760 mm)</td>
<td>12 ft 4 in (3 760 mm)</td>
<td>12 ft 4 in (3 760 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>I. Center to center – idler to sprocket</td>
<td>10 ft 0 in (3 040 mm)</td>
<td>10 ft 0 in (3 040 mm)</td>
<td>10 ft 0 in (3 040 mm)</td>
</tr>
<tr>
<td>J. Upper structure ground clearance</td>
<td>2 ft 11 in (895 mm)</td>
<td>2 ft 11 in (895 mm)</td>
<td>2 ft 11 in (895 mm)</td>
</tr>
<tr>
<td>K. Minimum ground clearance</td>
<td>1 ft 5 in (420 mm)</td>
<td>1 ft 5 in (420 mm)</td>
<td>1 ft 5 in (420 mm)</td>
</tr>
<tr>
<td>L. Rear tail swing radius</td>
<td>7 ft 1 in (2 170 mm)</td>
<td>7 ft 1 in (2 170 mm)</td>
<td>7 ft 1 in (2 170 mm)</td>
</tr>
</tbody>
</table>

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

### 8 ft 2 in (2.50 m) Arm

<table>
<thead>
<tr>
<th>A. Maximum dig radius</th>
<th>27 ft 3 in (8 310 mm)</th>
<th>28 ft 9 in (8 770 mm)</th>
<th>26 ft 1 in (7 960 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Dig radius at groundline</td>
<td>26 ft 10 in (8 170 mm)</td>
<td>28 ft 4 in (8 640 mm)</td>
<td>25 ft 7 in (7 810 mm)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>18 ft 3 in (5 550 mm)</td>
<td>19 ft 10 in (6 050 mm)</td>
<td>16 ft 11 in (5 160 mm)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>17 ft 6 in (5 330 mm)</td>
<td>19 ft 3 in (5 870 mm)</td>
<td>16 ft 2 in (4 920 mm)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>21 ft 0 in (6 390 kg)</td>
<td>21 ft 11 in (6 680 mm)</td>
<td>20 ft 3 in (6 170 mm)</td>
</tr>
<tr>
<td>F. Maximum reach height</td>
<td>28 ft 9 in (8 770 mm)</td>
<td>29 ft 8 in (9 050 mm)</td>
<td>28 ft 1 in (8 550 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 3 in (4 950 mm)</td>
<td>17 ft 7 in (5 350 mm)</td>
<td>15 ft 1 in (4 600 mm)</td>
</tr>
<tr>
<td>I. Minimum swing radius</td>
<td>7 ft 8 in (2 340 mm)</td>
<td>8 ft 9 in (2 660 mm)</td>
<td>7 ft 9 in (2 360 mm)</td>
</tr>
</tbody>
</table>

### Arm digging force:

- **Standard**
  - 13,900 lbf (62 kN)
  - 12,600 lbf (56 kN)
  - 15,700 lbf (70 kN)

- **Power Boost**
  - 14,800 lbf (66 kN)
  - 13,500 lbf (60 kN)
  - 16,600 lbf (74 kN)

### Bucket digging force:

- **Standard**
  - 20,200 lbf (90 kN)
  - 20,200 lbf (90 kN)
  - 20,200 lbf (90 kN)

- **Power Boost**
  - 21,400 lbf (95 kN)
  - 21,400 lbf (95 kN)
  - 21,400 lbf (95 kN)
### 8 ft 2 in (2.50 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,850 lb (2,200 kg) counterweight.

<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>@</th>
<th>END</th>
<th>SIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>+25 ft (7.5 m)</td>
<td>5,650 lb (2,563 kg)</td>
<td>18,450 lb (8,369 kg)</td>
<td>11,550 lb (5,239 kg)</td>
<td>10,700 lb (4,853 kg)</td>
<td>10,300 lb (4,672 kg)</td>
<td>6,600 lb (3,099 kg)</td>
<td>7,250 lb (3,289 kg)</td>
<td>6,500 lb (2,948 kg)</td>
</tr>
<tr>
<td>@</td>
<td>16 ft 7 in (5.05 m)</td>
<td>16 ft 7 in (5.05 m)</td>
<td>17 ft 4 in (5.30 m)</td>
<td>16 ft 7 in (5.05 m)</td>
<td>21 ft 9 in (6.63 m)</td>
<td>21 ft 9 in (6.63 m)</td>
<td>28 ft 6 in (8.68 m)</td>
<td>28 ft 6 in (8.68 m)</td>
</tr>
<tr>
<td>SIDE</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
<td>2,700 lb (1,225 kg)</td>
<td>2,700 lb (1,225 kg)</td>
<td>2,700 lb (1,225 kg)</td>
<td>2,700 lb (1,225 kg)</td>
</tr>
<tr>
<td>-5 ft (-1.5 m)</td>
<td>11,200 lb (5,080 kg)</td>
<td>20,200 lb (9,141 kg)</td>
<td>5,650 lb (2,563 kg)</td>
<td>18,450 lb (8,369 kg)</td>
<td>11,550 lb (5,239 kg)</td>
<td>10,700 lb (4,853 kg)</td>
<td>10,300 lb (4,672 kg)</td>
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</tr>
<tr>
<td>@</td>
<td>28 ft 6 in (8.68 m)</td>
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<td>17 ft 4 in (5.30 m)</td>
<td>16 ft 7 in (5.05 m)</td>
<td>21 ft 9 in (6.63 m)</td>
<td>21 ft 9 in (6.63 m)</td>
<td>21 ft 9 in (6.63 m)</td>
<td>21 ft 9 in (6.63 m)</td>
</tr>
<tr>
<td>SIDE</td>
<td>3,000 lb (1,361 kg)</td>
<td>3,000 lb (1,361 kg)</td>
<td>3,000 lb (1,361 kg)</td>
<td>3,000 lb (1,361 kg)</td>
<td>2,700 lb (1,225 kg)</td>
<td>2,700 lb (1,225 kg)</td>
<td>2,700 lb (1,225 kg)</td>
<td>2,700 lb (1,225 kg)</td>
</tr>
<tr>
<td>-10 ft (-3.0 m)</td>
<td>17,700 lb (8,029 kg)</td>
<td>18,550 lb (8,414 kg)</td>
<td>13,800 lb (6,260 kg)</td>
<td>8,250 lb (3,742 kg)</td>
<td>6,400 lb (2,926 kg)</td>
<td>5,900 lb (2,676 kg)</td>
<td>6,400 lb (2,939 kg)</td>
<td>6,160 lb (2,767 kg)</td>
</tr>
<tr>
<td>@</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
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</tr>
<tr>
<td>SIDE</td>
<td>3,950 lb (1,792 kg)</td>
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</tr>
</tbody>
</table>

### 9 ft 10 in (3.01 m) Arm, Lift capacities using a 750 lb (340 kg) bucket, 4,850 lb (2,200 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>0 ft (0 m)</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>@</th>
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</tr>
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<tbody>
<tr>
<td>+25 ft (7.5 m)</td>
<td>5,650 lb (2,563 kg)</td>
<td>11,200 lb (5,080 kg)</td>
<td>17,700 lb (8,029 kg)</td>
<td>24,050 lb (10,909 kg)</td>
<td>16,000 lb (7,260 kg)</td>
<td>14,650 lb (6,654 kg)</td>
<td>14,650 lb (6,654 kg)</td>
<td>6,500 lb (2,948 kg)</td>
<td>4,850 lb (2,205 kg)</td>
</tr>
<tr>
<td>@</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
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</tr>
<tr>
<td>SIDE</td>
<td>3,250 lb (1,474 kg)</td>
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<td>3,250 lb (1,474 kg)</td>
</tr>
</tbody>
</table>

### 6 ft 11 in (2.11 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,850 lb (2,200 kg) counterweight.

<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>
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</tr>
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<tbody>
<tr>
<td>+25 ft (7.5 m)</td>
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<td>14,650 lb (6,654 kg)</td>
<td>14,650 lb (6,654 kg)</td>
<td>6,500 lb (2,948 kg)</td>
</tr>
<tr>
<td>@</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
<td>36 ft 10 in (11.21 m)</td>
</tr>
<tr>
<td>SIDE</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
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<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
<td>3,250 lb (1,474 kg)</td>
</tr>
</tbody>
</table>

NOTE: *Following number indicates hydraulic capacity
STANDARD EQUIPMENT

ENGINE
Isuzu AR-4JJ1X
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-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

ATTACHMENTS
Boom – 15 ft 2 in (4.63 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
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
Tilting consoles – 4-position
Sliding cockpit – 3.15 in (80 mm)
Low-effort joystick controls
Controls pre-wired for auxiliary
Straight travel
AM/FM radio with antenna, 2 speakers and Bluetooth capabilities
Aux-in port for personal electronics
Radio mute switch – joystick
Rear-view camera
Anti-theft system – start code system
Rubber floor mat
12 Volt electric outlet
24 Volt cigarette lighter
Windshield wiper/washer
Cup holder
Storage compartments
Warm/cool storage compartment
Travel alarm with cancel switch
Ignition keys
One key start & lock-up
Cab filter – external
Cab handrails
Operator’s manual

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

#### ENGINE
- Refueling pump

#### 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 – 6 ft 11 in (2.11 m)
- Long arm – 9 ft 11 in (3.01 m)
- Quick coupler/Case multi-pin grabber
- **Tools:**
  - Heavy-duty/Extreme-duty/Ditching Buckets; Hammers; Thumbs;
  - Compaction plates.
- Load holding control

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

#### UNDERCARRIAGE
- 19.7 in (500 mm) rubber link chain, bolt-on rubber pads on steel chain
- 27.6 in (700 mm) steel shoes, triple semi-grouser
- Double track chain guides

#### 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:**
  - 8 LED Lights - 2 front cab mounted, 2 rear mounted, 1 mounted on boom, 1 mounted on house, and 1 mounted on each side