### ELECTRICAL

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

### ATTACHMENT

- **Boom**: 16 ft 11 in (5 150 mm)
- **Arm options**: 8 ft 7 in (2.62 m)
  - 10 ft 0 in (3.05 m)
- **Bucket digging force**: 25,200 lbf (112 kN)
  - w/ auto power up 26,500 lbf (118 kN)

### OPERATING WEIGHT

- **Operating weight**: 38,400 lb (17 400 kg)
  - w/ shoes 2 ft 0 in (600 mm)
  - w/ boom 16 ft 11 in (5 150 mm)
  - w/ arm 8 ft 7 in (2.62 m)
  - w/ bucket 1,067 lb (484 kg)
  - w/ counterweight 6,980 lb (3 170 kg)

### GROUND PRESSURE

- **Standard operating weight**: 5.9 psi (0.41 bar)
  - w/ 23.6 in (600 mm) triple grouser shoes

### HYDRAULIC CYLINDERS

- **Boom cylinders**: Two (2)
- **Cylinder bore**: 4.5 in (115 mm)
- **Cylinder rod diameter**: 3.1 in (80 mm)
- **Cylinder stroke**: 46.4 in (1 179 mm)
- **Arm cylinder**: One (1)
- **Cylinder bore**: 4.1 in (106 mm)
- **Cylinder rod diameter**: 3.0 in (75 mm)
- **Cylinder stroke**: 38.8 in (985 mm)

### SERVICE CAPACITIES

- **Fuel tank**: 79 gal (300 L)
- **Hydraulic system**: 44 gal (167 L)
- **Hydraulic tank**: 22 gal (82 L)
- **Engine oil w/ filter**: 4.5 gal (17 L)
- **Swing drive**: 1.3 gal (5 L)
- **Final drive**: 1.5 gal (5.8 L)
- **Cooling system**: 4.7 gal (17.8 L)
- **DEF tank**: 22 gal (85 L)

### OTHER SPECIFICATIONS

- **Swing speed**: 11.5 RPM
- **Swing torque**: 33,300 lb-ft (45 100 kN-m)
- **Swing brake**: Mechanical disc

### DRIVE TRAIN

- **Travel control**: Dual stage relief/counter balance design
- **Brakes**: Mechanical disc
- **Service brakes**: SAHR disc – each motor
- **Two speed travel**: 3.4 mph (5.4 km/h)
  - Max. high speed
  - Max. low speed 1.7 mph (2.8 km/h)
- **Automatic downshift**
- **Drawbar pull**: 36,100 lbf (160 kN)
- **Gradeability**: 70% – 35° Slope
Line drawings are for illustrative purpose only and may not be exact representation of unit.

### DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>8 ft 7 in (2.62 m) Arm</th>
<th>10 ft 0 in (3.04 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height</td>
<td>9 ft 9 in (2.960 mm)</td>
<td>10 ft 3 in (3.130 mm)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>9 ft 9 in (2.970 mm)</td>
<td>9 ft 9 in (2.970 mm)</td>
</tr>
<tr>
<td>C. Overall length – with attachment</td>
<td>27 ft 9 in (8.460 mm)</td>
<td>27 ft 11 in (8.520 mm)</td>
</tr>
<tr>
<td>D. Overall length – without attachment</td>
<td>14 ft 6 in (4.330 mm)</td>
<td>14 ft 6 in (4.330 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>
</tr>
<tr>
<td>F. Track overall length</td>
<td>13 ft 1 in (3.990 mm)</td>
<td>13 ft 1 in (3.990 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>
</tr>
<tr>
<td>H. Track shoe width</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 6 in (3.190 mm)</td>
<td>10 ft 6 in (3.190 mm)</td>
</tr>
<tr>
<td>J. Upper structure ground clearance</td>
<td>3 ft 4 in (1.020 mm)</td>
<td>3 ft 4 in (1.020 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>
</tr>
<tr>
<td>L. Rear tail swing radius</td>
<td>8 ft 1 in (2.470 mm)</td>
<td>8 ft 1 in (2.470 mm)</td>
</tr>
</tbody>
</table>
## PERFORMANCE SPECS

<table>
<thead>
<tr>
<th></th>
<th>8 ft 7 in (2.62 m) Arm</th>
<th>10 ft 0 in (3.04 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum dig radius</td>
<td>29 ft 8 in (9 040 mm)</td>
<td>30 ft 9 in (9 380 mm)</td>
</tr>
<tr>
<td>B. Dig radius at groundline</td>
<td>29 ft 1 in (8 870 mm)</td>
<td>30 ft 3 in (9 220 mm)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>19 ft 11 in (6 060 mm)</td>
<td>21 ft 4 in (6 490 mm)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>19 ft 3 in (5 860 mm)</td>
<td>20 ft 8 in (6 290 mm)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>21 ft 8 in (6 610 mm)</td>
<td>21 ft 11 in (6 690 mm)</td>
</tr>
<tr>
<td>F. Maximum reach height</td>
<td>30 ft 4 in (9 240 mm)</td>
<td>30 ft 6 in (9 290 mm)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>178° 178°</td>
<td></td>
</tr>
<tr>
<td>H. Maximum vertical wall dig depth</td>
<td>16 ft 8 in (5 080 mm)</td>
<td>17 ft 2 in (5 220 mm)</td>
</tr>
<tr>
<td>I. Minimum swing radius</td>
<td>9 ft 10 in (2 990 mm)</td>
<td>10 ft 0 in (3 050 mm)</td>
</tr>
</tbody>
</table>

### Arm digging force:
- **Standard**
  - 17,800 lbf (79 kN)
  - 18,800 lbf (84 kN)
- **Power Boost**
  - 16,200 lbf (72 kN)
  - 17,300 lbf (77 kN)

### Bucket digging force:
- **Standard**
  - 25,200 lbf (112 kN)
  - 26,500 lbf (118 kN)
- **Power Boost**
  - 25,200 lbf (112 kN)
  - 26,500 lbf (118 kN)
### 8 ft 7 in (2.62 m) Arm
Lift capacities calculated using a 1,050 lb (476 kg) bucket, 6,943 lb (3 150 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
</tr>
<tr>
<td>+25 ft (7.5 m)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5,150 lb (2 336 kg)</td>
<td>5,150 lb (2 336 kg)</td>
<td>21 ft 7 in (6.88 m)</td>
<td>3,650 lb (1 656 kg)</td>
<td>3,650 lb (1 656 kg)</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7,100 lb (3 221 kg)</td>
<td>7,100 lb (3 221 kg)</td>
<td>25 ft 7 in (7.62 m)</td>
<td>3,300 lb (1 497 kg)</td>
<td>3,300 lb (1 497 kg)</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>9,200 lb (4 173 kg)</td>
<td>7,000 lb (3 170 kg)</td>
<td>6,750 lb (3 064 kg)</td>
<td>4,650 lb (2 109 kg)</td>
<td>27 ft 4 in (8.33 m)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18,500 lb (8 391 kg)</td>
<td>18,500 lb (8 391 kg)</td>
<td>10,450 lb (4 740 kg)</td>
<td>6,600 lb (2 964 kg)</td>
<td>28 ft 5 in (8.66 m)</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>21,350 lb (9 684 kg)</td>
<td>17,600 lb (7 963 kg)</td>
<td>9,600 lb (4 354 kg)</td>
<td>9,950 lb (4 513 kg)</td>
<td>28 ft 7 in (8.71 m)</td>
</tr>
<tr>
<td>Groundline</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17,200 lb (7 802 kg)</td>
<td>16,250 lb (7 371 kg)</td>
<td>8,950 lb (4 060 kg)</td>
<td>9,550 lb (4 232 kg)</td>
<td>27 ft 8 in (8.43 m)</td>
</tr>
<tr>
<td>-5 ft (1.5 m)</td>
<td>13,450 lb (6 101 kg)</td>
<td>13,450 lb (6 101 kg)</td>
<td>8,700 lb (3 946 kg)</td>
<td>9,400 lb (4 264 kg)</td>
<td>25 ft 10 in (7.87 m)</td>
</tr>
<tr>
<td>-10 ft (3 m)</td>
<td>19,550 lb (9 868 kg)</td>
<td>19,550 lb (9 868 kg)</td>
<td>14,850 lb (6 736 kg)</td>
<td>10,550 lb (4 785 kg)</td>
<td>17 ft 10 in (5.44 m)</td>
</tr>
<tr>
<td>-15 ft (4.5 m)</td>
<td>28,400 lb (12 882 kg)</td>
<td>28,400 lb (12 882 kg)</td>
<td>15,100 lb (6 849 kg)</td>
<td>9,350 lb (4 241 kg)</td>
<td></td>
</tr>
</tbody>
</table>

### 10 ft 0 in (3.04 m) Arm
Lift capacities calculated using a 950 lb (431 kg) bucket, 6,943 lb (3 150 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
</tr>
<tr>
<td>+25 ft (7.5 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4,850 lb (2 200 kg)</td>
<td>4,850 lb (2 200 kg)</td>
<td>4,800 lb (2 177 kg)</td>
<td>4,800 lb (2 177 kg)</td>
<td>22 ft 7 in (6.88 m)</td>
<td>3 400 lb (1 542 kg)</td>
</tr>
<tr>
<td>+20 ft (6 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,550 lb (2 971 kg)</td>
<td>6,550 lb (2 971 kg)</td>
<td>6,550 lb (2 971 kg)</td>
<td>6,550 lb (2 971 kg)</td>
<td>26 ft 4 in (8.03 m)</td>
<td>3,100 lb (1 406 kg)</td>
</tr>
<tr>
<td>+15 ft (4.5 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8,400 lb (3 810 kg)</td>
<td>7,150 lb (3 243 kg)</td>
<td>6,550 lb (2 971 kg)</td>
<td>4,750 lb (2 155 kg)</td>
<td>28 ft 6 in (8.69 m)</td>
<td>3,050 lb (1 383 kg)</td>
</tr>
<tr>
<td>+10 ft (3 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16,350 lb (7 416 kg)</td>
<td>16,350 lb (7 416 kg)</td>
<td>12,200 lb (5 534 kg)</td>
<td>10,700 lb (4 953 kg)</td>
<td>29 ft 7 in (9.02 m)</td>
<td>3,150 lb (1 429 kg)</td>
</tr>
<tr>
<td>+5 ft (1.5 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24,150 lb (10 954 kg)</td>
<td>18,150 lb (8 233 kg)</td>
<td>15,900 lb (7 212 kg)</td>
<td>10,550 lb (4 785 kg)</td>
<td>29 ft 8 in (9.04 m)</td>
<td>3,350 lb (1 520 kg)</td>
</tr>
<tr>
<td>Groundline</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7,250 lb (3 289 kg)</td>
<td>7,250 lb (3 289 kg)</td>
<td>19,350 lb (8 777 kg)</td>
<td>16,500 lb (7 507 kg)</td>
<td>28 ft 10 in (8.79 m)</td>
<td>3,750 lb (1 671 kg)</td>
</tr>
<tr>
<td>-5 ft (1.5 m)</td>
<td>10,300 lb (4 672 kg)</td>
<td>10,300 lb (4 672 kg)</td>
<td>12,700 lb (5 761 kg)</td>
<td>12,700 lb (5 761 kg)</td>
<td>27 ft 1 in (8.12 m)</td>
<td>4,450 lb (2 018 kg)</td>
</tr>
<tr>
<td>-10 ft (3 m)</td>
<td>13,750 lb (6 237 kg)</td>
<td>13,750 lb (6 237 kg)</td>
<td>17,950 lb (8 142 kg)</td>
<td>17,950 lb (8 142 kg)</td>
<td>24 ft 1 in (7.34 m)</td>
<td>5,800 lb (2 631 kg)</td>
</tr>
<tr>
<td>-15 ft (4.5 m)</td>
<td>28,300 lb (12 637 kg)</td>
<td>28,300 lb (12 637 kg)</td>
<td>24,650 lb (11 181 kg)</td>
<td>17,050 lb (7 343 kg)</td>
<td>19 ft 7 in (5.97 m)</td>
<td>9,300 lb (4 218 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

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
Viscous Cab 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 – 16 ft 11 in (5.15 m)
Arm – 8 ft 7 in (2.62 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)

UNDERCARRIAGE

23.6 in (600 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
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

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
- Long arm – 10 ft 0 in (3.05 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
- 27.6 in (700 mm) steel shoes, triple semi-grouser
- Track guides – triple

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

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CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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.