**ENGINE**

- **Make:** FPT
- **Model:** F4HFE613T
- **Emissions Certification:** Tier 4 Final
- **Emissions Technology:** SCR/DOC
- **Type:** 4-stroke, turbocharged and air-to-air cooled
- **Cylinders:** 6-cylinder in-line
- **Bore/Stroke:** 4.09 x 5.20 in (104 x 132 mm)
- **Displacement:** 411 in\(^3\) (6.7 L)
- **Fuel:** #2 Diesel, #1 and #2 mixture permitted for cold temperatures
- **Fuel injection:** Direct injection – electronic
- **Fuel filter:** Replaceable
- **Fuel pump:** Bosch CR/CP3
- **Gradeability:**
  - Side-to-side: 35°
  - Fore and aft: 35°
- **Air filter:** Dry type elements w/ warning restriction indicator
- **Mid-mount cooling module:** Mid-mount air/water
- **Fan – hydraulic driven:**
  - Style: 8 blade puller
  - Diameter: 32 in (813 mm)
- **Water pump:** Integral
- **Engine oil pump operating angle ratings:**
  - Side-to-side: 35°
  - Fore and aft: 35°
- **Oil filtration:** Replaceable
- **Engine speeds:** RPM
- **Rated – full load:** 2000

**DRIVETRAIN**

- **Make:** Case
- **Model:** 721G

**Transmission:**
- 4/3R Proportional w/ Electronic Control
- Module torque sensing autoshift/manual shift and modulation

**Gears**
- **Gear ratios – 4-speed**
  - Forward/Reverse
  - 1st: 3.745/3.551
  - 2nd: 2.184/2.071
  - 3rd: 1.072/1.017
  - 4th: 0.636/—

**Gear ratios – 5-speed**
- Forward/Reverse
  - 1st: 3.921/3.718
  - 2nd: 2.255/2.138
  - 3rd: 1.466/0.894
  - 4th: 0.942/—
  - 5th: 0.613/—

**Torque converter:**
- Stall ratio – 4-speed: 2.81:1
- Stall ratio – 5-speed: 2.42:1

**Differential:**
- Limited slip w/ 30% transfer on front and rear axles

**Rear axle oscillation:**
- 24° total

**Front and rear axles:**
- Differential ratio: 3.4/3.2
- Planetary ratio: 6.0/6.4
- Final axle ratio: 20.2/20.4

**Heavy-duty axles – optional:**
- Front axle equipped w/ locking differential
- Rear axle equipped w/ open differential

**Planetaries:** Outboard

**Service brakes:**
- Hydraulically actuated, maintenance-free, multiple wet disc w/ accumulator to all four wheels
- Brake surface area:
  - Front hub – each: 600 in\(^2\) (0.387 m\(^2\))
  - Rear hub – each: 600 in\(^2\) (0.387 m\(^2\))

**Parking brakes:**
- Spring-applied hydraulic release disc on transmission output shaft neutralizes power flow to wheels when engaged

**Electricity:**
- **Voltage:** 24 Volts, negative ground
- **Alternator:** 120 amp

**Air filtration:**
- **Batteries (2):** 12-volt

**OPERATOR ENVIRONMENT**

- **ROPS cab AC w/ heat:** Key start; Articulated power steering w/ tilt column; Fully adjustable, suspension seat; Foot throttle; Single lever loader control w/ fully adjustable wrist rest, 2 cup holders; 2 interior rear view mirrors; 2 (in 51 mm) retractable seat belt; Multiple storage trays; Single brake pedal; F/N/R shuttle switch; External rearview mirrors; Pressurized air filtering; Anti-glare window strip; Front and Rear Defroster; Side window, partial/fully open; 2 Dome lights; Wipers, rear and intermittent front; Windshield washers, front and rear; Rubber floor mat; Horn.

**Displays/Gauges:**
- Digital:
  - Transmission oil temperature; Hydraulic oil temperature; Fuel Level; Engine coolant temperature; DEF level.
  - LCD screen:
    - Hour meter; Engine speed; Travel speed; Time; Automatic transmission indication; Current gear selection; F/N/R selector; 4-way flashers and turn signals; Brake pressure; Lamp/high beam indication; Grid heater*
  - Multiple languages, Metric/English; Engine diagnostics; Transmission diagnostics; Warning prompts; Error reporting; Diff. lock*; DEF gauge.

**Audiible/Visual alarms:**
- Warning lights:
  - Four-way flashers and turn signals; Brake pressure; Lamp/high beam indication; Grid heater*. Caution warnings:
  - Parking brake; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature; Air filter; Transmission filter; Hydraulic filter; Alternator; Low fuel.
Critical warnings:
- Engine oil pressure
- Brake pressure
- Steering pressure – w/ aux. steering*
- Hydraulic oil temperature
- Engine air filter
- Cab air filter
- Fuel pre-filter
- DEF tank vent filter
- SCR supply filter
- Cab recirculation filter
- Engine breather filter
- Transmission breather
- Front and rear axle fluid
- SCR supply module filter.

Backup alarm

Maintenance reminders:
- Cab air filter
- Engine oil filter
- Fuel pre-filter
- DEF tank vent filter
- SCR supply filter
- Hydraulic oil and filter
- Engine air filter
- Cab recirculation filter
- Engine breather filter
- Transmission breather
- Front and rear axle fluid
- SCR supply module filter.

NOTE: *If equipped w/ option.

OPERATING WEIGHT

Z-Bar
Unit equipped w/ 3.25 yd³ (2.5 m³) MD pin on w/ bolt on edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 2,764 lb (1 254 kg); Front and rear fenders; Lights; Full fuel/urea; (165 lb (75 kg) operator: 32,492 lb (14 738 kg)

XT
Unit equipped w/ 3.0 yd³ (2.3 m³) CNH GP w/ BOE and CNH JRB coupler w/ edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 2,764 lb (1 254 kg); Front and rear fenders; Lights; Full fuel/urea; (165 lb (75 kg) operator: 33,392 lb (15 146 kg)

XR
Unit equipped w/ 3.0 yd³ (2.3 m³) pin on bucket w/ bolt on edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 2,764 lb (1 254 kg); Front and rear fenders; Lights; Full fuel/urea; (165 lb (75 kg) operator: 32,851 lb (14 901 kg)

HYDRAULICS

Main pump – steering/implement:
- Closed center pressure/flow compensated

Tandem variable displacement – load-sensing:
- Max. rated flow P1: 31.6 gpm @ 2000 RPM (120 L/min @ 2000 RPM)
- Max. rated flow P2: 22.6 gpm @ 2000 RPM (86 L/min @ 2000 RPM)

Loader control valve:
- Closed-center, sectional 2, 3 or 4-function
- w/ control for lift, tilt and auxiliary hydraulics

High pressure standby:
- Implement: 3,625 psi (25 000 kPa)
- Steering: 3,500 psi (24 132 kPa)

Filtration:
- Filtered vent w/ relief on hydraulic reservoir, maintains 3-5 psi on reservoir, 10-micron, return filter furnishes only clean oil to all components of the system

SERVICE CAPACITIES

Fuel tank 65.0 gal (246.0 L)
DEF tank – Diesel Exhaust Fluid: Usable capacity 9.8 gal (37.1 L)
Total 15.6 gal (58.9 L)

Hydraulic system:
- Reservoir 24.0 gal (90.8 L)
- Total 47.0 gal (177.8 L)

Transmission:
- Service w/ filter 9.0 gal (34.0 L)

Front and rear axle:
- Front axle 37.0 qt (35.0 L)
- Rear axle 24.3 qt (23.0 L)

Front and rear axle – optional:
- Front axle 37.0 qt (35.0 L)
- Rear axle 37.0 qt (35.0 L)

Engine oil w/ filter 16.0 qt (15.1 L)

Cooling system 30.0 qt (28.4 L)

OTHER SPECIFICATIONS

Lift cylinder:
- Bore diameter 4.8 in (121 mm)
- Rod diameter 3.0 in (76 mm)
- Stroke 32.6 in (828 mm)

Dump cylinder – Z-Bar and XR:
- Bore diameter 5.8 in (146 mm)
- Rod diameter 3.0 in (76 mm)
- Stroke 24.8 in (629 mm)

Dump cylinder – XT:
- Bore diameter 4.5 in (114 mm)
- Rod diameter 2.3 in (57 mm)
- Stroke 33.7 in (857 mm)

Loader:
- Z-Bar loader linkage; Single control for lift and tilt; Positive hold float; Automatic return-to-dig; Automatic height control; Automatic return-to-travel; Brake pedal transmission disconnect; Bucket position indicator on bucket.

Cycle time:
- Raise w/ rated bucket load:
  - Z-Bar 5.2 sec
  - XR 5.2 sec
  - XT 5.2 sec
- Dump w/ rated bucket load:
  - Z-Bar 1.2 sec
  - XR 1.2 sec
  - XT 1.3 sec
- Float down:
  - Z-Bar 2.4 sec
  - XR 2.4 sec
  - XT 2.4 sec

Sound level in Cab (LpA) 68 dB(A)
Exterior sound level (LwA) 103 dB(A)

NOTE: Sound level data tested in accordance with ISO6395, 6396, 3744.
DIMENSIONS

A. Height to top of ROPS cab 133.0 in (3 378 mm)
   Height to drawbar 43.5 in (1 105 mm)
B. Wheelbase 128.1 in (3 253 mm)
C. Ground clearance 15.1 in (384 mm)
D. Angle of departure 29°

Width:
   Overall* without bucket 100.7 in (2 558 mm)
   Centerline tread 79.9 in (2 030 mm)

Turning radius* – outside 226.3 in (5 748 mm)

Turning angle:
   From center 40°
   Total angle 80°

Rear axle oscillation – total 24°

NOTE: *Dimensions taken with 20.5-R25 L3 Radial tires. Additional dimensions on pages 4 through 8.

WEIGHT ADJUSTMENTS

<table>
<thead>
<tr>
<th>Select Options</th>
<th>Weight Adjustment</th>
<th>Tipping Load Adjustment</th>
<th>Tipping Load Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.5 x 25 16 ply L2 Bias tires</td>
<td>-564 lb (-256 kg)</td>
<td>-565 lb (-256 kg)</td>
<td>-810 lb (-367 kg)</td>
</tr>
<tr>
<td>20.5 x 25 16 ply L3 Bias tires</td>
<td>-536 lb (-243 kg)</td>
<td>+99 lb (+45 kg)</td>
<td>+184 lb (+83 kg)</td>
</tr>
<tr>
<td>20.5-R25 L2 Radial tires</td>
<td>-256 lb (-116 kg)</td>
<td>-262 lb (-119 kg)</td>
<td>-163 lb (-74 kg)</td>
</tr>
<tr>
<td>20.5-R25 Snow Radial Tires</td>
<td>-132 lb (-60 kg)</td>
<td>-169 lb (-77 kg)</td>
<td>-80 lb (-36 kg)</td>
</tr>
<tr>
<td>20.5-R25 Solid Tires Req, Min Cwt, Lock Diff Axles, Ltd Spd Controller</td>
<td>+5,545 lb (+2 515 kg)</td>
<td>+5,028 lb (+2 281 kg)</td>
<td>+4,744 lb (+2 152 kg)</td>
</tr>
<tr>
<td>Light Counterweight</td>
<td>-545 lb (-247 kg)</td>
<td>-1,129 lb (-512 kg)</td>
<td>-878 lb (-398 kg)</td>
</tr>
</tbody>
</table>

NOTE: Unit equipped with Z-Bar loader arms, 3.25 yd³ (2.5 m³) pin on bucket with bolt-on edge, 20.5-R25 L3 Radial tires, ROPS cab with heater and air conditioner, heavy counterweight, heavy-duty batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Adjust select options from rated weight.

*Tipping loads: ISO 14397-1 Deflected Tires.
### PERFORMANCE SPECS

#### 721G Z-Bar*

<table>
<thead>
<tr>
<th>Metric</th>
<th>3.0 yd³ (2.3 m³) Bucket with Bolt-on Edge - Pin On</th>
<th>2.8 yd³ (2.1 m³) Bucket with Teeth - Pin On</th>
<th>3.25 yd³ (2.5 m³) Bucket with Bolt-on Edge - Pin On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>32,403 lb (14 698 kg)</td>
<td>32,301 lb (14 652 kg)</td>
<td>32,492 lb (14 738 kg)</td>
</tr>
<tr>
<td>E. Operating height – fully raised with spillover</td>
<td>203.4 in (5 165 mm)</td>
<td>203.4 in (5 165 mm)</td>
<td>205.7 in (5 225 mm)</td>
</tr>
<tr>
<td>F. Hinge pin height – fully raised</td>
<td>156.5 in (3 976 mm)</td>
<td>156.5 in (3 976 mm)</td>
<td>156.5 in (3 976 mm)</td>
</tr>
<tr>
<td>G. Overall length – bucket level on ground</td>
<td>299.4 in (7 606 mm)</td>
<td>305.2 in (7 753 mm)</td>
<td>301.6 in (7 660 mm)</td>
</tr>
<tr>
<td>Dump angle – fully raised</td>
<td>50°</td>
<td>50°</td>
<td>50°</td>
</tr>
<tr>
<td>H. Dump height – fully raised, 45° dump</td>
<td>116.6 in (2 962 mm)</td>
<td>112.9 in (2 868 mm)</td>
<td>115.2 in (2 926 mm)</td>
</tr>
<tr>
<td>J. Bucket reach – fully raised, 45° dump</td>
<td>42.6 in (1 081 mm)</td>
<td>47.1 in (1 196 mm)</td>
<td>44.2 in (1 123 mm)</td>
</tr>
<tr>
<td>K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump</td>
<td>64.1 in (1 628 mm)</td>
<td>66.9 in (1 700 mm)</td>
<td>65.1 in (1 654 mm)</td>
</tr>
<tr>
<td>L. Dig depth</td>
<td>3.0 in (77 mm)</td>
<td>3.0 in (77 mm)</td>
<td>3.0 in (77 mm)</td>
</tr>
<tr>
<td>Operating load – ISO Rigid Tires</td>
<td>11,897 lb (5 397 kg)</td>
<td>12,150 lb (5 511 kg)</td>
<td>11,825 lb (5 364 kg)</td>
</tr>
<tr>
<td>Operating load – ISO Deflected Tires</td>
<td>10,373 lb (4 705 kg)</td>
<td>10,592 lb (4 804 kg)</td>
<td>10,294 lb (4 669 kg)</td>
</tr>
<tr>
<td>Maximum material density – ISO Rigid Tires</td>
<td>3,966 lb/yd³ (2 353 kg/m³)</td>
<td>4,339 lb/yd³ (2 575 kg/m³)</td>
<td>3,639 lb/yd³ (2 159 kg/m³)</td>
</tr>
<tr>
<td>Maximum material density – ISO Deflected Tires</td>
<td>3,458 lb/yd³ (2 052 kg/m³)</td>
<td>3,783 lb/yd³ (2 454 kg/m³)</td>
<td>3,167 lb/yd³ (1 879 kg/m³)</td>
</tr>
<tr>
<td>Tipping load – ISO Rigid Tires: Straight 40° turn</td>
<td>27,355 lb (12 408 kg)</td>
<td>27,916 lb (12 663 kg)</td>
<td>27,204 lb (12 340 kg)</td>
</tr>
<tr>
<td>Tipping load – ISO Deflected Tires: Straight 40° turn</td>
<td>25,490 lb (11 562 kg)</td>
<td>26,066 lb (11 796 kg)</td>
<td>25,330 lb (11 489 kg)</td>
</tr>
<tr>
<td>Lift capacity: Ground</td>
<td>30,124 lb (13 664 kg)</td>
<td>30,568 lb (13 865 kg)</td>
<td>29,913 lb (13 568 kg)</td>
</tr>
<tr>
<td>Breakout force with tilt cylinder</td>
<td>33,810 lb (15 336 kg)</td>
<td>36,573 lb (16 589 kg)</td>
<td>32,158 lb (14 587 kg)</td>
</tr>
<tr>
<td>Loader clearance circle with bucket</td>
<td>496.3 in (12 606 mm)</td>
<td>500.0 in (12 701 mm)</td>
<td>497.5 in (12 636 mm)</td>
</tr>
</tbody>
</table>

#### 721G XR

<table>
<thead>
<tr>
<th>Metric</th>
<th>3.0 yd³ (2.3 m³) Bucket with Bolt-on Edge - Pin On</th>
<th>2.8 yd³ (2.1 m³) Bucket with Teeth - Pin On</th>
<th>3.25 yd³ (2.5 m³) Bucket with Bolt-on Edge - Pin On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>32,851 lb (14 901 kg)</td>
<td>32,748 lb (14 854 kg)</td>
<td>32,939 lb (14 941 kg)</td>
</tr>
<tr>
<td>E. Operating height – fully raised with spillover</td>
<td>218.9 in (5 560 mm)</td>
<td>218.9 in (5 560 mm)</td>
<td>221.2 in (5 620 mm)</td>
</tr>
<tr>
<td>F. Hinge pin height – fully raised</td>
<td>172.1 in (4 371 mm)</td>
<td>172.1 in (4 371 mm)</td>
<td>172.1 in (4 371 mm)</td>
</tr>
<tr>
<td>G. Overall length – bucket level on ground</td>
<td>313.5 in (7 963 mm)</td>
<td>319.3 in (8 111 mm)</td>
<td>315.7 in (8 018 mm)</td>
</tr>
<tr>
<td>Dump angle – fully raised</td>
<td>50°</td>
<td>50°</td>
<td>50°</td>
</tr>
<tr>
<td>H. Dump height – fully raised, 45° dump</td>
<td>132.1 in (3 356 mm)</td>
<td>128.4 in (3 262 mm)</td>
<td>130.8 in (3 321 mm)</td>
</tr>
<tr>
<td>J. Bucket reach – fully raised, 45° dump</td>
<td>42.6 in (1 082 mm)</td>
<td>47.1 in (1 197 mm)</td>
<td>44.2 in (1 124 mm)</td>
</tr>
<tr>
<td>K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump</td>
<td>76.2 in (1 937 mm)</td>
<td>79.3 in (2 014 mm)</td>
<td>77.3 in (1 965 mm)</td>
</tr>
<tr>
<td>L. Dig depth</td>
<td>3.1 in (79 mm)</td>
<td>3.0 in (77 mm)</td>
<td>3.1 in (79 mm)</td>
</tr>
<tr>
<td>Operating load – ISO Rigid Tires</td>
<td>9,983 lb (4 528 kg)</td>
<td>10,187 lb (4 621 kg)</td>
<td>9,915 lb (4 497 kg)</td>
</tr>
<tr>
<td>Operating load – ISO Deflected Tires</td>
<td>8,805 lb (3 994 kg)</td>
<td>8,987 lb (4 076 kg)</td>
<td>8,732 lb (3 961 kg)</td>
</tr>
<tr>
<td>Maximum material density – ISO Rigid Tires</td>
<td>3.328 lb/yd³ (1 975 kg/m³)</td>
<td>3.638 lb/yd³ (2 159 kg/m³)</td>
<td>3.051 lb/yd³ (1 810 kg/m³)</td>
</tr>
<tr>
<td>Maximum material density – ISO Deflected Tires</td>
<td>2,935 lb/yd³ (1 742 kg/m³)</td>
<td>3,210 lb/yd³ (1 904 kg/m³)</td>
<td>2,687 lb/yd³ (1 594 kg/m³)</td>
</tr>
<tr>
<td>Tipping load – ISO Rigid Tires: Straight 40° turn</td>
<td>23,078 lb (10 468 kg)</td>
<td>23,527 lb (10 672 kg)</td>
<td>22,935 lb (10 403 kg)</td>
</tr>
<tr>
<td>Lift capacity: Full height</td>
<td>15,025 lb (6 815 kg)</td>
<td>15,355 lb (6 865 kg)</td>
<td>14,936 lb (6 775 kg)</td>
</tr>
<tr>
<td>Breakout force with tilt cylinder</td>
<td>33,706 lb (15 289 kg)</td>
<td>36,459 lb (16 537 kg)</td>
<td>32,058 lb (14 541 kg)</td>
</tr>
<tr>
<td>Loader clearance circle with bucket</td>
<td>509.7 in (12 945 mm)</td>
<td>513.9 in (13 052 mm)</td>
<td>511.0 in (12 960 mm)</td>
</tr>
</tbody>
</table>

### Additional Details

- **Bucket reach – fully raised, 45° dump**: 42.6 in (1 082 mm) 47.1 in (1 197 mm) 44.2 in (1 124 mm)
- **Dump height – fully raised, 45° dump**: 132.1 in (3 356 mm) 128.4 in (3 262 mm) 130.8 in (3 321 mm)
- **Maximum material density – ISO Rigid Tires**: 3,966 lb/yd³ (2 353 kg/m³) 4,339 lb/yd³ (2 575 kg/m³) 3,639 lb/yd³ (2 159 kg/m³)
- **Maximum material density – ISO Deflected Tires**: 3,458 lb/yd³ (2 052 kg/m³) 3,783 lb/yd³ (2 454 kg/m³) 3,167 lb/yd³ (1 879 kg/m³)
- **Maximum bucket reach – 7 ft 0 in (2.13 m) height, 45° dump**: 64.1 in (1 628 mm) 66.9 in (1 700 mm) 65.1 in (1 654 mm)
- **Maximum dump angle**: 50° 50° 50°
### PERFORMANCE SPECS

#### 721G Z-Bar

<table>
<thead>
<tr>
<th>Spec Type</th>
<th>3.0 yd² (2.3 m³) Bucket with Teeth - Pin On</th>
<th>3.5 yd² (2.7 m³) Bucket with Bolt-on Edge - Pin On</th>
<th>3.5 yd² (2.7 m³) Bucket with Bolt-on Edge &amp; Grapple - Pin On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>32,390 lb (14,692 kg)</td>
<td>32,633 lb (14,802 kg)</td>
<td>34,425 lb (15,615 kg)</td>
</tr>
<tr>
<td>E. Operating height – fully raised with spillguard</td>
<td>205.7 in (5225 mm)</td>
<td>208.4 in (5294 mm)</td>
<td>273.2 in (6941 mm)</td>
</tr>
<tr>
<td>F. Hinge pin height – fully raised</td>
<td>156.5 in (3976 mm)</td>
<td>156.5 in (3976 mm)</td>
<td>156.4 in (3973 mm)</td>
</tr>
<tr>
<td>G. Overall length – bucket level on ground</td>
<td>307.3 in (7705 mm)</td>
<td>304.0 in (7721 mm)</td>
<td>304.0 in (7721 mm)</td>
</tr>
<tr>
<td>Dump angle – fully raised</td>
<td>50°</td>
<td>50°</td>
<td>50°</td>
</tr>
<tr>
<td>H. Dump height – fully raised, 45° dump</td>
<td>111.6 in (2834 mm)</td>
<td>113.7 in (2888 mm)</td>
<td>113.6 in (2886 mm)</td>
</tr>
<tr>
<td>J. Bucket reach – fully raised, 45° dump</td>
<td>48.6 in (1226 mm)</td>
<td>46.0 in (1169 mm)</td>
<td>46.0 in (1167 mm)</td>
</tr>
<tr>
<td>K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump</td>
<td>67.8 in (1723 mm)</td>
<td>66.2 in (1682 mm)</td>
<td>66.1 in (1680 mm)</td>
</tr>
<tr>
<td>L. Dig depth</td>
<td>3.0 in (75 mm)</td>
<td>3.0 in (75 mm)</td>
<td>3.1 in (80 mm)</td>
</tr>
<tr>
<td>Operating load – ISO Rigid Tires</td>
<td>12,005 lb (5445 kg)</td>
<td>11,711 lb (5312 kg)</td>
<td>10,837 lb (4915 kg)</td>
</tr>
<tr>
<td>Operating load – ISO Deflected Tires</td>
<td>10,450 lb (4740 kg)</td>
<td>10,174 lb (4615 kg)</td>
<td>9,269 lb (4204 kg)</td>
</tr>
<tr>
<td>Maximum material density – ISO Rigid Tires</td>
<td>4,002 lb/yd² (2.374 kg/m³)</td>
<td>3,364 lb/yd² (1.985 kg/m³)</td>
<td>3,096 lb/yd² (1.837 kg/m³)</td>
</tr>
<tr>
<td>Maximum material density – ISO Deflected Tires</td>
<td>3,483 lb/yd² (2.067 kg/m³)</td>
<td>2,907 lb/yd² (1.725 kg/m³)</td>
<td>2,648 lb/yd² (1.571 kg/m³)</td>
</tr>
<tr>
<td>Tipping load - ISO Deflected Tires: Straight</td>
<td>27,597 lb (12518 kg)</td>
<td>26,963 lb (12130 kg)</td>
<td>25,297 lb (11047 kg)</td>
</tr>
<tr>
<td>40° turn</td>
<td>24,010 lb (10891 kg)</td>
<td>23,423 lb (10624 kg)</td>
<td>21,674 lb (9831 kg)</td>
</tr>
<tr>
<td>Lift capacity: Full height</td>
<td>16,155 lb (7214 kg)</td>
<td>15,904 lb (7214 kg)</td>
<td>14,116 lb (6403 kg)</td>
</tr>
<tr>
<td>Ground</td>
<td>30,217 lb (13706 kg)</td>
<td>29,622 lb (13436 kg)</td>
<td>27,759 lb (12591 kg)</td>
</tr>
<tr>
<td>Breakout force with tilt cylinder</td>
<td>34,749 lb (15762 kg)</td>
<td>30,485 lb (13828 kg)</td>
<td>28,621 lb (12982 kg)</td>
</tr>
<tr>
<td>Loader clearance circle with bucket</td>
<td>501.2 in (12731 mm)</td>
<td>498.8 in (12671 mm)</td>
<td>498.8 in (12670 mm)</td>
</tr>
</tbody>
</table>

#### 721G XR

<table>
<thead>
<tr>
<th>Spec Type</th>
<th>3.0 yd² (2.3 m³) Bucket with Teeth - Pin On</th>
<th>3.5 yd² (2.7 m³) Bucket with Bolt-on Edge - Pin On</th>
<th>3.5 yd² (2.7 m³) Bucket with Bolt-on Edge &amp; Grapple - Pin On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>32,837 lb (14895 kg)</td>
<td>33,080 lb (15005 kg)</td>
<td>34,872 lb (15818 kg)</td>
</tr>
<tr>
<td>E. Operating height – fully raised with spillguard</td>
<td>221.2 in (5620 mm)</td>
<td>224.0 in (5688 mm)</td>
<td>288.8 in (7335 mm)</td>
</tr>
<tr>
<td>F. Hinge pin height – fully raised</td>
<td>172.1 in (4371 mm)</td>
<td>172.1 in (4370 mm)</td>
<td>172.0 in (4368 mm)</td>
</tr>
<tr>
<td>G. Overall length – bucket level on ground</td>
<td>321.4 in (8163 mm)</td>
<td>318.1 in (8078 mm)</td>
<td>318.0 in (8078 mm)</td>
</tr>
<tr>
<td>Dump angle – fully raised</td>
<td>50°</td>
<td>50°</td>
<td>50°</td>
</tr>
<tr>
<td>H. Dump height – fully raised, 45° dump</td>
<td>127.1 in (3229 mm)</td>
<td>129.2 in (3282 mm)</td>
<td>129.2 in (3281 mm)</td>
</tr>
<tr>
<td>J. Bucket reach – fully raised, 45° dump</td>
<td>48.7 in (1227 mm)</td>
<td>46.1 in (1170 mm)</td>
<td>46.0 in (1168 mm)</td>
</tr>
<tr>
<td>K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump</td>
<td>80.3 in (2039 mm)</td>
<td>78.5 in (1995 mm)</td>
<td>78.5 in (1993 mm)</td>
</tr>
<tr>
<td>L. Dig depth</td>
<td>3.1 in (78 mm)</td>
<td>3.1 in (80 mm)</td>
<td>3.2 in (82 mm)</td>
</tr>
<tr>
<td>Operating load – ISO Rigid Tires</td>
<td>10,064 lb (4565 kg)</td>
<td>9,809 lb (4449 kg)</td>
<td>8,926 lb (4049 kg)</td>
</tr>
<tr>
<td>Operating load – ISO Deflected Tires</td>
<td>8,865 lb (4021 kg)</td>
<td>8,621 lb (3911 kg)</td>
<td>7,713 lb (3499 kg)</td>
</tr>
<tr>
<td>Maximum material density – ISO Rigid Tires</td>
<td>3,355 lb/yd² (1.991 kg/m³)</td>
<td>2,803 lb/yd² (1.663 kg/m³)</td>
<td>2,550 lb/yd² (1.513 kg/m³)</td>
</tr>
<tr>
<td>Maximum material density – ISO Deflected Tires</td>
<td>2,955 lb/yd² (1.753 kg/m³)</td>
<td>2,463 lb/yd² (1.462 kg/m³)</td>
<td>2,204 lb/yd² (1.308 kg/m³)</td>
</tr>
<tr>
<td>Tipping load - ISO Deflected Tires: Straight</td>
<td>23,258 lb (10550 kg)</td>
<td>22,712 lb (10302 kg)</td>
<td>20,946 lb (9501 kg)</td>
</tr>
<tr>
<td>40° turn</td>
<td>20,127 lb (9130 kg)</td>
<td>19,619 lb (8899 kg)</td>
<td>17,853 lb (8098 kg)</td>
</tr>
<tr>
<td>Lift capacity: Full height</td>
<td>21,831 lb (9902 kg)</td>
<td>21,299 lb (9661 kg)</td>
<td>19,506 lb (8848 kg)</td>
</tr>
<tr>
<td>Ground</td>
<td>17,279 lb (8042 kg)</td>
<td>17,243 lb (8217 kg)</td>
<td>15,426 lb (6997 kg)</td>
</tr>
<tr>
<td>Breakout force with tilt cylinder</td>
<td>34,641 lb (15713 kg)</td>
<td>30,391 lb (13785 kg)</td>
<td>28,529 lb (12940 kg)</td>
</tr>
<tr>
<td>Loader clearance circle with bucket</td>
<td>515.2 in (13087 mm)</td>
<td>512.6 in (13020 mm)</td>
<td>512.5 in (13019 mm)</td>
</tr>
</tbody>
</table>

#### Maximum rollback:
- Ground: 40°/37°
- Carry position: 44°/43°
- @ Full height: 57°/57°

#### Maximum grading angle with bucket – back dragging:
- 59°/59°

#### SAE bucket capacity – struck:
- 2.62 yd³ (2.00 m³)
- 3.00 yd³ (2.29 m³)

#### Bucket width – outside:
- Heaped: 106.8 in (2713 mm)
- In (2.700 mm)

#### Bucket weight:
- 2,526 lb (1146 kg)
- 2,769 lb (1256 kg)
- 4,561 lb (2069 kg)
### PERFORMANCE SPECS

**721G Z-Bar**

<table>
<thead>
<tr>
<th>Bucket type</th>
<th>5.5 yd³ (4.2 m³) Bucket</th>
<th>3.0 yd³ (2.3 m³) Bucket</th>
<th>2.8 yd³ (2.14 m³) Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>with Bolt-on Edge - Pin On</td>
<td>with Bolt-on Edge - ACS Coupler</td>
<td>with Teeth - ACS Coupler</td>
</tr>
<tr>
<td>Operating weight</td>
<td>33,265 lb (15,089 kg)</td>
<td>33,414 lb (15,156 kg)</td>
<td>33,312 lb (15,110 kg)</td>
</tr>
<tr>
<td>E. Operating height – fully raised with spillguard</td>
<td>223.0 in (5,665 mm)</td>
<td>208.6 in (5,298 mm)</td>
<td>208.6 in (5,298 mm)</td>
</tr>
<tr>
<td>F. Hinge pin height – fully raised</td>
<td>156.5 in (3,975 mm)</td>
<td>156.5 in (3,975 mm)</td>
<td>156.5 in (3,975 mm)</td>
</tr>
<tr>
<td>G. Overall length – bucket level on ground</td>
<td>320.2 in (8,132 mm)</td>
<td>307.2 in (7,802 mm)</td>
<td>312.9 in (7,948 mm)</td>
</tr>
<tr>
<td>Bucket weight</td>
<td>3,402 lb (1,543 kg)</td>
<td>3,551 lb (1,611 kg)</td>
<td>3,449 lb (1,564 kg)</td>
</tr>
<tr>
<td>Bucket width – outside</td>
<td>106.3 in (2,700 mm)</td>
<td>106.3 in (2,700 mm)</td>
<td>106.8 in (2,713 mm)</td>
</tr>
<tr>
<td>Bucket weight</td>
<td>3,402 lb (1,543 kg)</td>
<td>3,551 lb (1,611 kg)</td>
<td>3,449 lb (1,564 kg)</td>
</tr>
</tbody>
</table>

**721G XR**

<table>
<thead>
<tr>
<th>Bucket type</th>
<th>5.5 yd³ (4.2 m³) Bucket</th>
<th>3.0 yd³ (2.3 m³) Bucket</th>
<th>2.8 yd³ (2.14 m³) Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>with Bolt-on Edge - Pin On</td>
<td>with Bolt-on Edge - ACS Coupler</td>
<td>with Teeth - ACS Coupler</td>
</tr>
<tr>
<td>Operating weight</td>
<td>33,712 lb (15,292 kg)</td>
<td>33,861 lb (15,359 kg)</td>
<td>33,759 lb (15,313 kg)</td>
</tr>
<tr>
<td>E. Operating height – fully raised with spillguard</td>
<td>238.6 in (6,060 mm)</td>
<td>224.1 in (5,692 mm)</td>
<td>224.1 in (5,692 mm)</td>
</tr>
<tr>
<td>F. Hinge pin height – fully raised</td>
<td>172.0 in (4,369 mm)</td>
<td>172.0 in (4,369 mm)</td>
<td>172.0 in (4,369 mm)</td>
</tr>
<tr>
<td>G. Overall length – bucket level on ground</td>
<td>334.1 in (8,486 mm)</td>
<td>321.2 in (8,159 mm)</td>
<td>327.0 in (8,305 mm)</td>
</tr>
<tr>
<td>Bucket weight</td>
<td>3,732 lb (1,690 kg)</td>
<td>3,881 lb (1,760 kg)</td>
<td>3,789 lb (1,715 kg)</td>
</tr>
<tr>
<td>Bucket width – outside</td>
<td>113.0 in (2,870 mm)</td>
<td>109.3 in (2,775 mm)</td>
<td>111.0 in (2,815 mm)</td>
</tr>
<tr>
<td>Bucket weight</td>
<td>3,732 lb (1,690 kg)</td>
<td>3,881 lb (1,760 kg)</td>
<td>3,789 lb (1,715 kg)</td>
</tr>
</tbody>
</table>

**721G**

<table>
<thead>
<tr>
<th>Maximum rollback:</th>
<th>Ground</th>
<th>Carry position</th>
<th>@ Full height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>41°/38°</td>
<td>44°/43°</td>
<td>57°/57°</td>
</tr>
<tr>
<td>Maximum grading angle with bucket – back dragging</td>
<td>63°/61°</td>
<td>60°/59°</td>
<td>61°/60°</td>
</tr>
<tr>
<td>SAE bucket capacity – struck</td>
<td>4.44 yd³ (3.39 m³)</td>
<td>2.56 yd³ (1.96 m³)</td>
<td>2.42 yd³ (1.85 m³)</td>
</tr>
<tr>
<td>Heaped</td>
<td>5.50 yd³ (4.21 m³)</td>
<td>3.00 yd³ (2.29 m³)</td>
<td>2.80 yd³ (2.14 m³)</td>
</tr>
<tr>
<td>Bucket width – outside</td>
<td>106.3 in (2,700 mm)</td>
<td>106.3 in (2,700 mm)</td>
<td>106.8 in (2,713 mm)</td>
</tr>
<tr>
<td>Bucket weight</td>
<td>3,402 lb (1,543 kg)</td>
<td>3,551 lb (1,611 kg)</td>
<td>3,449 lb (1,564 kg)</td>
</tr>
</tbody>
</table>
### PERFORMANCE SPECS

#### 721G Z-Bar*

<table>
<thead>
<tr>
<th>Spec</th>
<th>3.0 yd³ (2.3 m³) Bucket with Bolt-on-Edge - JRB Coupler</th>
<th>2.8 yd³ (2.1 m³) Bucket with Teeth - JRB Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating weight</strong></td>
<td>33,344 lb (15,124 kg)</td>
<td>33,241 lb (15,078 kg)</td>
</tr>
<tr>
<td><strong>E. Operating height</strong></td>
<td>210.9 in (5,356 mm)</td>
<td>210.9 in (5,356 mm)</td>
</tr>
<tr>
<td><strong>F. Hinge pin height</strong></td>
<td>156.5 in (3,975 mm)</td>
<td>156.5 in (3,975 mm)</td>
</tr>
<tr>
<td><strong>G. Overall length</strong></td>
<td>310.0 in (7,873 mm)</td>
<td>315.9 in (8,025 mm)</td>
</tr>
<tr>
<td><strong>Dump angle</strong></td>
<td>50°</td>
<td>50°</td>
</tr>
<tr>
<td><strong>H. Dump height</strong></td>
<td>109.9 in (2,791 mm)</td>
<td>106.0 in (2,692 mm)</td>
</tr>
<tr>
<td><strong>J. Bucket reach</strong></td>
<td>51.0 in (1,296 mm)</td>
<td>55.2 in (1,403 mm)</td>
</tr>
<tr>
<td><strong>K. Bucket reach</strong></td>
<td>69.4 in (1,763 mm)</td>
<td>71.5 in (1,816 mm)</td>
</tr>
<tr>
<td><strong>L. Dig depth</strong></td>
<td>2.7 in (69 mm)</td>
<td>3.0 in (77 mm)</td>
</tr>
<tr>
<td><strong>Operating load – ISO Rigid Tires</strong></td>
<td>10,579 lb (4,799 kg)</td>
<td>10,739 lb (4,871 kg)</td>
</tr>
<tr>
<td><strong>Operating load – ISO Deflected Tires</strong></td>
<td>9,172 lb (4,160 kg)</td>
<td>9,312 lb (4,224 kg)</td>
</tr>
<tr>
<td><strong>Maximum material density – ISO Rigid Tires</strong></td>
<td>3,526 lb/yd³ (2,093 kg/m³)</td>
<td>3,836 lb/yd³ (2,276 kg/m³)</td>
</tr>
<tr>
<td><strong>Maximum material density – ISO Deflected Tires</strong></td>
<td>3,057 lb/yd³ (1,814 kg/m³)</td>
<td>3,326 lb/yd³ (1,973 kg/m³)</td>
</tr>
<tr>
<td><strong>Tipping load – ISO Rigid Tires:</strong></td>
<td>24,466 lb (11,098 kg)</td>
<td>24,816 lb (11,256 kg)</td>
</tr>
<tr>
<td><strong>Dump height</strong></td>
<td>15,171 lb (6,881 kg)</td>
<td>15,278 lb (6,930 kg)</td>
</tr>
<tr>
<td><strong>Bucket reach</strong></td>
<td>26,989 lb (12,242 kg)</td>
<td>27,806 lb (12,613 kg)</td>
</tr>
<tr>
<td><strong>Lift capacity:</strong></td>
<td>50.3 in (12,758 mm)</td>
<td>506.4 in (12,862 mm)</td>
</tr>
</tbody>
</table>

#### 721G XR

<table>
<thead>
<tr>
<th>Spec</th>
<th>3.0 yd³ (2.3 m³) Bucket with Bolt-on-Edge - JRB Coupler</th>
<th>2.8 yd³ (2.1 m³) Bucket with Teeth - JRB Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating weight</strong></td>
<td>33,791 lb (15,327 kg)</td>
<td>33,689 lb (15,281 kg)</td>
</tr>
<tr>
<td><strong>E. Operating height</strong></td>
<td>226.4 in (5,751 mm)</td>
<td>226.4 in (5,751 mm)</td>
</tr>
<tr>
<td><strong>F. Hinge pin height</strong></td>
<td>172.0 in (4,369 mm)</td>
<td>172.0 in (4,369 mm)</td>
</tr>
<tr>
<td><strong>G. Overall length</strong></td>
<td>324.1 in (8,232 mm)</td>
<td>330.0 in (8,383 mm)</td>
</tr>
<tr>
<td><strong>Dump angle</strong></td>
<td>50°</td>
<td>50°</td>
</tr>
<tr>
<td><strong>H. Dump height</strong></td>
<td>125.4 in (3,186 mm)</td>
<td>121.5 in (3,087 mm)</td>
</tr>
<tr>
<td><strong>J. Bucket reach</strong></td>
<td>51.1 in (1,297 mm)</td>
<td>55.3 in (1,404 mm)</td>
</tr>
<tr>
<td><strong>K. Bucket reach</strong></td>
<td>81.9 in (2,081 mm)</td>
<td>84.2 in (2,140 mm)</td>
</tr>
<tr>
<td><strong>L. Dig depth</strong></td>
<td>2.8 in (72 mm)</td>
<td>3.1 in (79 mm)</td>
</tr>
<tr>
<td><strong>Operating load – ISO Rigid Tires</strong></td>
<td>8,872 lb (4,024 kg)</td>
<td>9,007 lb (4,085 kg)</td>
</tr>
<tr>
<td><strong>Operating load – ISO Deflected Tires</strong></td>
<td>7,769 lb (3,524 kg)</td>
<td>7,890 lb (3,579 kg)</td>
</tr>
<tr>
<td><strong>Maximum material density – ISO Rigid Tires</strong></td>
<td>2,957 lb/yd³ (1,755 kg/m³)</td>
<td>3,217 lb/yd³ (1,909 kg/m³)</td>
</tr>
<tr>
<td><strong>Maximum material density – ISO Deflected Tires</strong></td>
<td>2,590 lb/yd³ (1,537 kg/m³)</td>
<td>2,818 lb/yd³ (1,672 kg/m³)</td>
</tr>
<tr>
<td><strong>Tipping load – ISO Rigid Tires:</strong></td>
<td>20,656 lb (9,369 kg)</td>
<td>20,948 lb (9,502 kg)</td>
</tr>
<tr>
<td><strong>Dump height</strong></td>
<td>19,354 lb (8,779 kg)</td>
<td>19,629 lb (8,903 kg)</td>
</tr>
<tr>
<td><strong>Bucket reach</strong></td>
<td>15,538 lb (7,048 kg)</td>
<td>15,780 lb (7,158 kg)</td>
</tr>
<tr>
<td><strong>Lift capacity:</strong></td>
<td>14,063 lb (6,379 kg)</td>
<td>14,170 lb (6,428 kg)</td>
</tr>
<tr>
<td><strong>Breakout force with tilt cylinder</strong></td>
<td>26,378 lb (11,965 kg)</td>
<td>28,189 lb (12,786 kg)</td>
</tr>
<tr>
<td><strong>Loader clearance circle with bucket</strong></td>
<td>516.5 in (13,120 mm)</td>
<td>521.1 in (13,236 mm)</td>
</tr>
</tbody>
</table>

#### 721G

**Maximum rollback:**
- Ground: 40°/37°
- Carry position: 44°/43°
- Full height: 57°/57°
  
**Maximum grading angle with bucket – back dragging:**
- 60°/59°

**SAE bucket capacity – struck:**
- 2.58 yd³ (1.96 m³)
- 3.00 yd³ (2.29 m³)

**Bucket width – outside:**
- 106.3 in (2,700 mm)
- 106.8 in (2,713 mm)

**Bucket weight:**
- 3,480 lb (1,579 kg)
- 3,378 lb (1,532 kg)
| Note: *Z-Bar performance data shown with full counterweight. Performance data unit equipped with 20.5R25 L3 Radial tires, ROPS cab with heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Specifications per SAE J732, J1234, J695, J742 and J818. |

### 721G XT

#### Performance Specs

**Bucket with Bolt-on Edge - ACS Coupler**

- **Operating height**
  - Full raised: 113.3 in (2,878 mm)
  - Fully raised with spillguard: 219.1 in (5,564 mm)
- **Bucket width**
  - 106.3 in (2,700 mm)
- **Inside bucket width**
  - 106.8 in (2,713 mm)
- **Dump angle**
  - Fully raised: 55°
- **Dump height**
  - Fully raised, 45° dump: 113.3 in (2,878 mm)
- **Operating weight**
  - 33,861 lb (15,359 kg)
- **Maximum material density**
  - ISO Rigid Tires: 3,284 lb/yd³ (1,949 kg/m³)
  - ISO Deflected Tires: 2,827 lb/yd³ (1,677 kg/m³)
- **Tipping load**
  - 721G: 3,849 lb (1,743 kg)

**Bucket with Teeth ACS Coupler**

- **Operating height**
  - Full raised: 110.9 in (2,827 mm)
  - Fully raised with spillguard: 219.1 in (5,564 mm)
- **Bucket width**
  - 106.9 in (2,713 mm)
- **Inside bucket width**
  - 106.4 in (2,700 mm)
- **Dump angle**
  - Fully raised: 55°
- **Dump height**
  - Fully raised, 45° dump: 110.9 in (2,827 mm)
- **Operating weight**
  - 33,759 lb (15,313 kg)
- **Maximum material density**
  - ISO Rigid Tires: 3,571 lb/yd³ (2,119 kg/m³)
  - ISO Deflected Tires: 3,075 lb/yd³ (1,825 kg/m³)
- **Tipping load**
  - 721G: 4,140 lb (1,878 kg)

**Bucket with Bolt-on Edge - JRB Coupler**

- **Operating height**
  - Full raised: 109.6 in (2,784 mm)
  - Fully raised with spillguard: 217.1 in (5,516 mm)
- **Bucket width**
  - 106.4 in (2,700 mm)
- **Inside bucket width**
  - 106.1 in (2,700 mm)
- **Dump angle**
  - Fully raised: 55°
- **Dump height**
  - Fully raised, 45° dump: 109.6 in (2,784 mm)
- **Operating weight**
  - 33,392 lb (15,146 kg)
- **Maximum material density**
  - ISO Rigid Tires: 3,412 lb/yd³ (2,025 kg/m³)
  - ISO Deflected Tires: 2,948 lb/yd³ (1,749 kg/m³)
- **Tipping load**
  - 721G: 4,574 lb (2,070 kg)

**Bucket with Teeth JRB Coupler**

- **Operating height**
  - Full raised: 114.9 in (2,919 mm)
  - Fully raised with spillguard: 217.1 in (5,516 mm)
- **Bucket width**
  - 106.4 in (2,700 mm)
- **Inside bucket width**
  - 106.1 in (2,700 mm)
- **Dump angle**
  - Fully raised: 55°
- **Dump height**
  - Fully raised, 45° dump: 114.9 in (2,919 mm)
- **Operating weight**
  - 33,290 lb (15,100 kg)
- **Maximum material density**
  - ISO Rigid Tires: 3,711 lb/yd³ (2,202 kg/m³)
  - ISO Deflected Tires: 3,207 lb/yd³ (1,903 kg/m³)
- **Tipping load**
  - 721G: 4,947 lb (2,242 kg)

### 721G

#### Maximum rollback:

- **Ground**
  - 58°
  - 58°
- **Carry position**
  - 58°
  - 58°
- **Full height**
  - 58°
  - 58°
- **Full height @ Full height**
  - 58°
  - 58°

#### Maximum grading angle with bucket – back dragging:

- **61°**
- **62°**
- **60°**
- **62°**

#### SAE bucket capacity – struck:

- **Heaped**
  - 2.56 yd³ (1.96 m³)
  - 2.42 yd³ (1.85 m³)
  - 2.56 yd³ (1.96 m³)
  - 2.42 yd³ (1.85 m³)
- **Heaped**
  - 3.00 yd³ (2.29 m³)
  - 2.80 yd³ (2.14 m³)
  - 3.00 yd³ (2.29 m³)
  - 2.80 yd³ (2.14 m³)

#### Bucket width – outside:

- 106.3 in (2,700 mm)
- 106.3 in (2,713 mm)
- 106.3 in (2,700 mm)
- 106.8 in (2,713 mm)

#### Bucket weight:

- 3,648 lb (1,655 kg)
- 3,545 lb (1,608 kg)
- 3,179 lb (1,442 kg)
- 3,077 lb (1,396 kg)
STANDARD EQUIPMENT

ENGINE
Case / FPT F4HFE613T
Tier 4 Final Certified
Selective Catalytic Reduction (SCR) with Diesel Oxidation Catalyst
Selectible work modes:
- Maximum Power
- Standard Power
- Economy Power
- Auto Power

Turbocharger
Charge air cooling
Automatic belt tensioner
Integral engine oil cooling
Fuel filter with water trap
Dual-element dry-type air cleaner
Hydraulic-driven cooling fan
Air-cooled radiator
Mid-mounted cooling module
Common rail electronic fuel injection

LOADER
See page 2 – Operating weight,
Other specifications

DRIVETRAIN
4-wheel drive
4F/3R Selectable autoshift/manual shift transmission
Electronic Control Module – programmable, computer controlled proportional shifting with programmable gear selection

Onboard diagnostics
Single lever electronic shift control
F/N/R switch in loader control handle
Downshift button
Torque converter
Limited-slip differentials
Outboard planetary axles
Transmission oil cooler
Brake pedal transmission disconnect – declutch
Hydraulic wet disc brakes
Spring-applied hydraulic release parking brake
Limp-Home Mode
Greaseable rear axle trunnion
3-piece rims

HYDRAULICS
 Electro-hydraulic (EH) joystick loader control
Low-effort steering
Hydraulic driven cooling fan
Diagnostic quick couplers
Split flange hydraulic connections – 1 inch or greater
Hydraulic oil cooler

ELECTRICAL
Alternator and voltage regulator
Battery isolator/electrical disconnect
120 amp alternator
(2) 700 CCA 12-volt batteries
Electric starter
Lights:
- 2 Front and 2 rear halogen flood lights
- 2 Front driving headlights – high/low beam with integrated turn signals
- 2 LED stop/tail lights with integrated turn signals
Key start/stop switch
Backup alarm
Centrally located fuse box with all electrical circuits protected
Remote jump start posts

OTHER
Electric hood lift
Front and rear fenders, partial coverage
Heavy counterweight
Drawbar hitch
Articulation locking bar
Lift arm locking bar
Lift and tie-down points – front/rear
Grouped remote-mounted ecology drains:
- Engine oil
- Engine coolant
- Hydraulic oil

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

**OPERATOR ENVIRONMENT**
- Cloth-covered heated air-suspension seat
- Leather trimmed heated air seat with active suspension
- Cloth mechanical suspension seat
- Headrest
- 3 in (76 mm) retractable seat belt
- Sound Shield noise suppression package
- Bluetooth radio, 12V AM/FM with auxiliary input
- Radio-ready – 12 or 24-volt with auxiliary power – 12-volt
- Cab convenience package:
  - Rear sun shade, interior mirror, under the seat drawer, coat hook, 12V accessory port, and an ash tray
- In cab powered cooler box
- In cab accessory mount
- LED rotating beacon
- Rear view camera
- Rear view camera
- External rear view mirrors
- External heated rear view mirrors
- Front LED driving/heightlights
- LED front and rear work lights
- Extra front-facing LED work lights

**DRIVETRAIN**
- 5F/3R Autoshift/manual shift transmission, lockup torque converter, PowerInch de-clutch
- Heavy-duty axles:
  - With locking front differential and rear open differential
- Cold weather package:
  - Heavy-duty (2) 950 CCA 12V batteries
  - Grid heater
  - Fuel heater
  - Hydraulic oil cooler bypass
  - Low temperature hydraulic oil
  - Fast-warm hydraulic valve

**HYDRAULICS**
- Auxiliary hydraulics
- Ride Control™
- Secondary steering
- Joystick steering with and without secondary steering
- 2-function loader valve with single access control
- 3-function loader valve with 3 lever control or with joystick plus lever

**LOADER**
- XR extended reach version
- XT tool carrier version
- Attachment auxiliary hydraulics
- Coupler systems – JRB or ACS compatible
- Buckets – see pages 4 through 8
- 4 – 1 clamp buckets
- Forks

**TIRES**
- 20.5-25 16 PR L2 bias – dirt/traction
- 20.5-25 16 PR L3 bias – rock
- 20.5-R25 L2 radial – dirt/traction
- 20.5-R25 L3 radial – rock
- 20.5-R25 radial Michelin SnoPlus
- 20.5-R25 radial Bridgestone Snow Wedge
- SolidFlex HD solid tires on adapter rims
- Spare wheels and tires
- Axle oscillation stops

**GUARDING**
- Skid plate, transmission and front chassis bottom guards
- Windscreen guard
- Specialized guarding package:
  - Windscreen, articulation, front cover, chassis bottom, skid plate, transmission, lift cylinder, front lights, fuel tank, metal wrapped hoses and cylinder debris ejectors

**ADVANCED ENGINE AIR FILTRATION**
- Heavy Debris cooling system:
  - Slanted cooling module cover
  - Auto reversing fan
  - Increased cooling fin spacing
  - Added cooling module sealing
  - Variable speed hydraulic reversing fan
  - Full-view air pre-cleaner
  - Sy-Klone® ejector type pre-cleaner

**OTHER**
- Additional RH steps and platform w/ standard or wide fenders
- Side guards for rear frame
- Tool box – ground level access
- Light counterweight – Z-Bar
- Fire extinguisher
- License plate bracket
- 12.4 mph (20 kph) maximum speed control
- Special paint
- Standard fenders with right and left hand steps
- Wide full coverage fenders with right and left hand steps