## Capacities (U.S.)

<table>
<thead>
<tr>
<th>Tires</th>
<th>644H Maximum Lift Capacity</th>
<th>644H Maximum Lift Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lift at ground level</td>
<td>Lift at maximum height</td>
</tr>
<tr>
<td></td>
<td>25,309 lb. (11,447 kg)</td>
<td>19.0 ft. (5.8 m)</td>
</tr>
<tr>
<td></td>
<td>25,018 lb. (11,353 kg)</td>
<td>20.7 ft. (6.3 m)</td>
</tr>
<tr>
<td></td>
<td>24,826 lb. (11,272 kg)</td>
<td>22.4 ft. (6.8 m)</td>
</tr>
<tr>
<td></td>
<td>24,149 lb. (10,969 kg)</td>
<td>24.1 ft. (7.3 m)</td>
</tr>
<tr>
<td></td>
<td>24,098 lb. (10,935 kg)</td>
<td>25.8 ft. (7.8 m)</td>
</tr>
<tr>
<td></td>
<td>23,834 lb. (10,825 kg)</td>
<td>27.5 ft. (8.4 m)</td>
</tr>
</tbody>
</table>

### Tires

- 20.5-25 solid rubber tires
- L-5 radial or bias ply tires available.

### Hydraulic System

- Both tire types require 9-degree axle stops.
- Change in Pressure: 3,600 psi (24,850 kPa) relief.

### Turning radius (measured to centerline of (3.8 m) short lip standard lip (4.6 m (5.4 m)) short lip standard lip

- Lift at ground level:
  - 25,309 lb. (11,447 kg)
  - 25,018 lb. (11,353 kg)
  - 24,826 lb. (11,272 kg)
  - 24,149 lb. (10,969 kg)
  - 24,098 lb. (10,935 kg)
  - 23,834 lb. (10,825 kg)

### Change in (4.6 m) short lip standard lip

- Lift at maximum height:
  - 19.0 ft. (5.8 m)
  - 20.7 ft. (6.3 m)
  - 22.4 ft. (6.8 m)
  - 24.1 ft. (7.3 m)
  - 25.8 ft. (7.8 m)
  - 27.5 ft. (8.4 m)

### Hydraulic System

- 5.0-cu. yd. (3.8 m$^3$) short lip standard lip (4.6 m (5.4 m)) short lip standard lip
- Lift at ground level:
  - 25,309 lb. (11,447 kg)
  - 25,018 lb. (11,353 kg)
  - 24,826 lb. (11,272 kg)
  - 24,149 lb. (10,969 kg)
  - 24,098 lb. (10,935 kg)
  - 23,834 lb. (10,825 kg)

### Turning radius (measured to centerline of (3.8 m) short lip standard lip (4.6 m (5.4 m)) short lip standard lip

- Lift at maximum height:
  - 19.0 ft. (5.8 m)
  - 20.7 ft. (6.3 m)
  - 22.4 ft. (6.8 m)
  - 24.1 ft. (7.3 m)
  - 25.8 ft. (7.8 m)
  - 27.5 ft. (8.4 m)
When you’re talking, we’re listening.

The trash-deflector helps protect the rear axles from impact shock caused by over-high-sided trucks to the component protection guard to keep debris out of areas where you don’t want it. These machines are ready to handle even the harshest waste environments. You’re never seen waste loaders perform like this. And that’s not just talkin’ trash.

You know waste. We know loaders. Combining that knowledge and you get the remarkably durable H-Series Waste Handlers from John Deere. These machines aren’t only built with you in mind, they were designed with your input. The final product delivers all of the outstanding performance characteristics of our standard loader, as well as plenty of special integrated features to maximize productivity in the harshest waste environments. Everything from the high lift option for that extra lift to reach all over and high-sided trucks to the component protection guard to keep debris out of areas where you don’t want it. These machines are ready to handle even the harshest waste environments. You’ve never seen waste loaders perform like this. And that’s not just talkin’ trash.

<table>
<thead>
<tr>
<th>624H Specifications with Pin-on Type Waste Buckets</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Buckets:</strong></td>
</tr>
<tr>
<td><strong>Height to top of load and canopy</strong></td>
</tr>
<tr>
<td><strong>Height to top of exhaust</strong></td>
</tr>
<tr>
<td><strong>Ground clearance</strong></td>
</tr>
<tr>
<td><strong>Dump reach</strong></td>
</tr>
<tr>
<td><strong>Dump height</strong></td>
</tr>
<tr>
<td><strong>Wheelbase</strong></td>
</tr>
<tr>
<td><strong>Ground clearance</strong></td>
</tr>
<tr>
<td><strong>Height to top of exhaust</strong></td>
</tr>
</tbody>
</table>

**624H Dimensions with Pin-on Type Waste Buckets**

| **Buckets:** | capacity designed with solids cutting edges | capacity designed with standard cutting edges |
|---------------------------------------------------|
| **Height to top of load and canopy** | 17 ft. 6 in. | 17 ft. 6 in. |
| **Height to top of exhaust** | 11 ft. 1 in. | 11 ft. 1 in. |
| **Ground clearance** | 12 ft. 10 in. | 12 ft. 10 in. |
| **Dump reach** | 38.1 in. (968 mm) | 46.0 in. (1167 mm) |
| **Dump height** | 11 ft. 1.8 in. | 10 ft. 10.4 in. |
| **Wheelbase** | 126 in. (3200 mm) | 126 in. (3200 mm) |
| **Ground clearance** | 20.8 in. (528 mm) | 20.8 in. (528 mm) |
| **Height to top of exhaust** | 11 ft. 3 in. | 11 ft. 3 in. |

**624H Dimensions with Pin-on Type Waste Buckets**

| **Buckets:** | capacity designed with solids cutting edges | capacity designed with standard cutting edges |
|---------------------------------------------------|
| **Height to top of load and canopy** | 17 ft. 6 in. | 17 ft. 6 in. |
| **Height to top of exhaust** | 11 ft. 1 in. | 11 ft. 1 in. |
| **Ground clearance** | 12 ft. 10 in. | 12 ft. 10 in. |
| **Dump reach** | 38.1 in. (968 mm) | 46.0 in. (1167 mm) |
| **Dump height** | 11 ft. 1.8 in. | 10 ft. 10.4 in. |
| **Wheelbase** | 126 in. (3200 mm) | 126 in. (3200 mm) |
| **Ground clearance** | 20.8 in. (528 mm) | 20.8 in. (528 mm) |
| **Height to top of exhaust** | 11 ft. 3 in. | 11 ft. 3 in. |

| **624H Dimensions with Pin-on Type Waste Buckets** (continued)
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Buckets:</strong></td>
</tr>
<tr>
<td><strong>Height to top of load and canopy</strong></td>
</tr>
<tr>
<td><strong>Height to top of exhaust</strong></td>
</tr>
<tr>
<td><strong>Ground clearance</strong></td>
</tr>
<tr>
<td><strong>Dump reach</strong></td>
</tr>
<tr>
<td><strong>Dump height</strong></td>
</tr>
<tr>
<td><strong>Wheelbase</strong></td>
</tr>
<tr>
<td><strong>Ground clearance</strong></td>
</tr>
<tr>
<td><strong>Height to top of exhaust</strong></td>
</tr>
</tbody>
</table>
The optional roof-mounted air-conditioning condenser has no stacked cores and provides easy daily cleanout.

Articulation guards, drive-shaft guard, and transmission side guards provide extra protection on the work site.

Our performance edge starts at the engine with power bulge – the availability of Deere PowerTech™ diesels to generate extra horsepower when the going gets tough. That means you can power through challenging situations without downshifting.

Both the articulation joint and drive shaft are protected from corrosion and trash by guards.

The rear of the loader frame is guarded to protect it from destructive waste.
The excellent balance of operator protection and visibility is obvious the moment you take the seat.

The unique low-profile, hood-mounted trapezoidal air-inlet screen protects the engine and cooling system.

High-intensity, guarded, halogen driving lights help keep the work area illuminated.

Strategically placed guards protect axle seals and help insulate the heavy-duty axles from harmful trash and contamination.

Service access is convenient, including wide, easy-to-open access doors.

With six fins per inch, the wide-open spacing allows debris to easily exit the radiator, keeping it clean and running efficiently.

No vulnerable underbelly here. A set of optional hydraulic-actuated bottom guards protect the frame, engine area, and fuel tank.

The high-lift option adds more than a foot to the boom, providing the extra lift needed to reach up and over high-sided trucks/trailers.

Strategically placed guards protect axle seals and help insulate the heavy-duty axles from harmful trash and contamination.
Cool to operate... in more ways than one.

Maybe this is what they mean by “the perks of the job.” Comfort. Convenience. Excellent controls. Great visibility. You simply won’t find a more operator-friendly loader than the 624H or 644H Waste Handler. They keep their cool even when the going gets tough, thanks to a remarkable air-screen group that effectively blocks trash and other airborne debris. And, the reversing fan uses a timer to routinely eject debris from the engine shield as you work. As an added precaution, the operator can reverse the fan at any time by depressing a button conveniently located in the cab. This unique feature allows you to keep working with less downtime and machine maintenance.

Optional swing-out cooling fan makes cleanout fast and easy. The hydraulically powered unit is also reversible, so it can be used to blow debris off the screens.

The standard, eight-cubic-yard bucket comes equipped with a trash guard. Other bucket options are available to meet your customized needs.
### Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>624H</th>
<th>644H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>John Deere PowerTech™ 6086H with attitude-compensating turbocharger and aftercooler; meets North American EPA and CARB non-road diesel engine emission regulations effective January 1, 1997; also is certifiable to proposed E.U. (European Union) regulations, which are not yet effective</td>
<td>John Deere PowerTech 6081H with attitude-compensating turbocharger and aftercooler; meets North American EPA and CARB non-road diesel engine emission regulations effective January 1, 1997; also is certifiable to proposed E.U. (European Union) regulations, which are not yet effective</td>
</tr>
<tr>
<td>Rated power</td>
<td>160 SAE net hp (119 kW) / 172 SAE gross hp (128 kW) @ 2,200 rpm</td>
<td>180 SAE net hp (134 kW) / 205 SAE gross hp (153 kW) @ 2,200 rpm</td>
</tr>
<tr>
<td>Cylinders</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Displacement</td>
<td>414 cu. in. (6.8 L)</td>
<td>496 cu. in. (8.1 L)</td>
</tr>
<tr>
<td>Maximum net torque</td>
<td>575 lb.-ft. (720 Nm) @ 1,400 rpm</td>
<td>745 lb.-ft. (1,010 Nm) @ 1,300 rpm</td>
</tr>
<tr>
<td>Lubrication</td>
<td>pressure system with full-flow spin-on filter and cooler</td>
<td>pressure system with full-flow spin-on filter and cooler</td>
</tr>
<tr>
<td>Fuel consumption, typical</td>
<td>2.9 to 5.8 gal./hr. (10.9 to 21.8 L/h)</td>
<td>2.9 to 5.0 gal./hr. (10.9 to 18.8 L/h)</td>
</tr>
<tr>
<td>Cooling fan</td>
<td>blower type, hydraulically driven, reversible swing out</td>
<td>blower type, hydraulically driven, reversible swing out</td>
</tr>
<tr>
<td>Electrical system</td>
<td>24 volt with 55-amp alternator</td>
<td>24 volt with 55-amp alternator</td>
</tr>
<tr>
<td>Batteries (two 12 volt)</td>
<td>625 CCA; reserve capacity: 160 min. – standard / 950 CCA; reserve capacity: 200 min. – optional</td>
<td>750 CCA; reserve capacity: 150 min. – standard / 950 CCA; reserve capacity: 200 min. – optional</td>
</tr>
<tr>
<td>Air cleaner</td>
<td>dual safety element dry type; restriction indicator for service</td>
<td>dual safety element dry type; restriction indicator for service</td>
</tr>
</tbody>
</table>

### Transmission

<table>
<thead>
<tr>
<th>Specification</th>
<th>624H</th>
<th>644H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>single-stage, single-phase torque converter; countershaft-type powershift with computer control</td>
<td>single-stage, single-phase torque converter; countershaft-type powershift with computer control</td>
</tr>
<tr>
<td>Controls</td>
<td>smooth shifts under any power condition provided by computer-controlled electronic shift with individual electronic control over each clutch pack, one low-effort twist-grip shift lever, quick-shift button on hydraulic lever, automatic shift feature is selectable to shift between gears 1–3 or 2–3</td>
<td>smooth shifts under any power condition provided by computer-controlled electronic shift with individual electronic control over each clutch pack, one low-effort twist-grip shift lever, quick-shift button on hydraulic lever, automatic shift feature is selectable to shift between gears 1–3 or 2–3</td>
</tr>
<tr>
<td>Travel speeds*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gear 1</td>
<td>5.1 mph (8.2 km/h)</td>
<td>5.3 mph (8.5 km/h)</td>
</tr>
<tr>
<td>Gear 2</td>
<td>8.1 mph (13.0 km/h)</td>
<td>9.1 mph (14.6 km/h)</td>
</tr>
<tr>
<td>Gear 3</td>
<td>15.0 mph (24.1 km/h)</td>
<td>17.1 mph (27.5 km/h)</td>
</tr>
</tbody>
</table>
*624H equipped with 20.5-25 solid rubber tires; 644H equipped with 23.5-25 solid rubber tires.

### Axles

<table>
<thead>
<tr>
<th>Specification</th>
<th>624H</th>
<th>644H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final drives</td>
<td>heavy-duty planetary, mounted inboard</td>
<td>heavy-duty planetary, mounted inboard</td>
</tr>
<tr>
<td>Differentials</td>
<td>conventional front and rear – standard; hydraulic locking front, conventional rear – optional; dual locking front and rear – optional; limited-slip front and rear – optional</td>
<td>conventional front and rear – standard; hydraulic locking front, conventional rear – optional; dual locking front and rear – optional; limited-slip front and rear – optional</td>
</tr>
<tr>
<td>Rear axle oscillation, stop to stop</td>
<td>18 degrees</td>
<td>18 degrees</td>
</tr>
<tr>
<td>Maximum rise and fall, single wheel</td>
<td>12.6 in. (320 mm)</td>
<td>13.4 in. (340 mm)</td>
</tr>
</tbody>
</table>

### Brakes (conform to SAE J1473, ISO3450)

<table>
<thead>
<tr>
<th>Specification</th>
<th>624H</th>
<th>644H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service brakes</td>
<td>inboard-mounted hydraulic wet disc, bathed in cooling oil, long life self-adjusting</td>
<td>automatically spring applied, hydraulically released, wet disc bathed in cooling oil</td>
</tr>
<tr>
<td>Parking brake</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Hydraulic System

<table>
<thead>
<tr>
<th>Specification</th>
<th>624H</th>
<th>644H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump (loader and steering)</td>
<td>variable-displacement, axial piston pump; closed-center, pressure compensating system</td>
<td>variable-displacement, axial piston pump; closed-center, pressure compensating system</td>
</tr>
<tr>
<td>Maximum flow</td>
<td>55 gpm (200 L/min.) @ 1,000 psi (6895 kPa) and 2,200 rpm</td>
<td>68 gpm (257 L/min.) @ 1,000 psi (6895 kPa) and 2,200 rpm</td>
</tr>
<tr>
<td>Pressure</td>
<td>loader and steering relief 3,600 psi (24 850 kPa)</td>
<td>loader and steering relief 3,600 psi (24 850 kPa)</td>
</tr>
<tr>
<td>Loader controls</td>
<td>two-function valve; single- or dual-lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever</td>
<td>two-function valve; single- or dual-lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever</td>
</tr>
</tbody>
</table>

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**Note:** The text above is a table representation of the specifications listed in the image. Each specification is listed with its corresponding value, providing a clear and structured overview of the engine, transmission, axles, brakes, and hydraulic system for both models, 624H and 644H.
Capacities (U.S.)

Tires

644H Maximum Lift Capacity

L-5 radial or bias ply tires available.

Engine lubrication, including full-flow spin-cooling system....................................................23 qt. (22 L) 31 qt. (29 L)

Hydraulic System

5.0-cu. yd. 5.0-cu. yd. (3.8 m 3) 6.0-cu. yd. 6.0-cu. yd. (4.6 m 3) 7.0-cu. yd. 7.0-cu. yd. (5.4 m 3)

SAE heaped capacity........................................... 

Turning radius (measured to centerline of

Articulation angle ................................................80-degree arc (40 degrees each direction) 80-degree arc (40 degrees each direction)

20.5-25 solid rubber tires.............................80.7 in. (2050 mm) 101.3 in. (2572 mm) 0 in. (0 mm)

Lift at maximum height ................................15,386 lb. 15,993 lb. 14,877 lb. 15,435 lb. 14,555 lb. 15,124 lb.

Lift at ground level........................................25,309 lb. 25,018 lb. 24,826 lb. 24,149 lb. 24,098 lb. 23,834 lb.

Rear .............................................................19 qt. (20 L) 29 qt. (27 L)

Raise ............................................................5.8 sec. 6.2 sec.
When you're talking, we're listening.

The trash deflector has been raised. We're using it because the impact of a closed-cab system is a solid front. It also provides access to the engine compartment.

It also provides access to the rear axles for maintenance. The trash deflector helps protect the rear axles from debris.

You know waste. We know loaders. Combine that with our equipment, and you've got the perfect solution for your waste management needs. We've invested in special integrated features to maximize productivity in the harshest waste environments. Everything from the high lift option for that extra reach to the high-sided trucks to the component protection guards to keep debris out of areas where you don't want it. These machines are ready to handle even the harshest waste environments. Yes, we've seen waste loaders perform like this. And that's not just talkin' trash.

We have a variety of dimensions and specifications available for our loaders. The following table provides a breakdown of these specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>664H</th>
<th>664H - Pin-on Type Waste Buckets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tipping load, straight</td>
<td>32,857 lb.</td>
<td>31,988 lb.</td>
</tr>
<tr>
<td>Breakout force, SAE J732C</td>
<td>37,606 lb.</td>
<td>31,836 lb.</td>
</tr>
<tr>
<td>Maximum rollback at full height</td>
<td>40.8 degrees</td>
<td>40.8 degrees</td>
</tr>
<tr>
<td>Height to hinge pin, fully raised</td>
<td>15 ft. 4 in.</td>
<td>15 ft. 4 in.</td>
</tr>
<tr>
<td>Dump height</td>
<td>12 ft. 7 in.</td>
<td>11 ft. 9 in.</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>20.8 in.</td>
<td>20.8 in.</td>
</tr>
<tr>
<td>Height to top of exhaust</td>
<td>11 ft. 3 in.</td>
<td>11 ft. 3 in.</td>
</tr>
<tr>
<td>Capacity, heaped SAE</td>
<td>5.4 cu. yd.</td>
<td>5.7 cu. yd.</td>
</tr>
<tr>
<td>Reach, 45-degree dump, 7-ft. (2.13 m) position</td>
<td>42 ft. 7 in.</td>
<td>42 ft. 4 in.</td>
</tr>
<tr>
<td>Reach, 45-degree dump, 10-ft. (3.05 m) position</td>
<td>42 ft. 2 in.</td>
<td>42 ft. 9 in.</td>
</tr>
</tbody>
</table>
| Loader operating information is based on a machine with all standard equipment; waste handler complete protection package; 20.5-25 solid rubber tires; high-lift boom; ROPS cab; differential lock front axle with standard rear axle; two-spool valve with two-lever control; heater and defroster; 175-lb. (79 kg) operator; 14 gal. (53 L) fuel tank. This information is affected by tire size, ballast, and different attachments.

Loader operating information is based on a machine with all standard equipment; waste handler complete protection package; 23.5-25 solid rubber tires; high-lift boom; ROPS cab; differential lock front axle with standard rear axle; two-spool valve with two-lever control and defroster; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

We're listening.
When you’re talking waste, we’re listening.

You know waste. We know loaders. Combining that knowledge and you get the remarkably durable 600-Series Waste Loaders from John Deere. These machines weren’t only built with you in mind, they were designed with your input. The final product delivers all of the outstanding performance characteristics of our standard loader, as well as plenty of special integrated features to maximize productivity in the harsher waste environments. Everything from the high lift option for that lift to reach more and over high-sided trucks to the component protection guards to keep debris out of areas where you don’t want it. These machines are ready to handle even the harshest waste environments. You’re never seen waste loaders perform like this. And that’s not just talkin’ trash.

### Specifications

**H-Series Waste Loaders**

- **Capacity**
  - Standard: 600 cu ft (16.8 m³)
  - Extended: 717 cu ft (20.3 m³)

- **Operating weight**
  - 38,859 lb (17,623 kg)
  - 38,477 lb (17,450 kg)
  - 39,227 lb (17,790 kg)
  - 38,894 lb (17,639 kg)
  - 39,763 lb (18,033 kg)
  - 39,447 lb (17,890 kg)

- **Dimensions**
  - Overall length: 26 ft 8 in (8.1 m)
  - Overall width: 10 ft 8 in (3.2 m)
  - Overall height: 11 ft 0 in (3.4 m)
  - Wheelbase: 119 in (3.0 m)
  - Ground clearance: 20.8 in (528 mm)

**624H Dimensions with Pin-on Type Waste Buckets**

- **Breakout force, SAE J732C**
  - 37,606 lb (17,026 kg)
  - 30,270 lb (13,732 kg)
  - 34,665 lb (15,728 kg)
  - 25,258 lb (11,460 kg)
  - 31,836 lb (14,458 kg)
  - 22,760 lb (10,343 kg)

- **Maximum dump angle, full height**
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees

- **Maximum rollback at full height**
  - 43.7 degrees
  - 44.7 degrees
  - 43.7 degrees
  - 44.7 degrees
  - 43.7 degrees
  - 44.7 degrees

- **Maximum rollback at ground level**
  - 33.7 degrees
  - 34.7 degrees
  - 33.7 degrees
  - 34.7 degrees
  - 33.7 degrees
  - 34.7 degrees

- **Height to hinge pin, fully raised**
  - 14 ft 4 in (4.3 m)
  - 14 ft 4 in (4.3 m)
  - 14 ft 4 in (4.3 m)
  - 14 ft 4 in (4.3 m)
  - 14 ft 4 in (4.3 m)
  - 14 ft 4 in (4.3 m)

- **Height to top of exhaust**
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)

- **Height to top of cab and canopy**
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)

**644H Dimensions with Pin-on Type Waste Buckets**

- **Breakout force, SAE J732C**
  - 46,615 lb (21,156 kg)
  - 39,227 lb (17,790 kg)
  - 43,799 lb (19,884 kg)
  - 34,177 lb (15,514 kg)
  - 40,615 lb (18,434 kg)

- **Maximum dump angle, full height**
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees

- **Maximum rollback at full height**
  - 40.8 degrees
  - 40.8 degrees
  - 40.8 degrees
  - 40.8 degrees
  - 40.8 degrees

- **Maximum rollback at ground level**
  - 35 degrees
  - 35 degrees
  - 35 degrees
  - 35 degrees

- **Overall length**
  - 26 ft 8 in (8.1 m)
  - 27 ft 6 in (8.4 m)
  - 26 ft 10 in (8.1 m)
  - 28 ft 3 in (8.6 m)
  - 27 ft 2 in (8.3 m)
  - 28 ft 8 in (8.7 m)

- **Height to hinge pin, fully raised**
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)

- **Height to top of exhaust**
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)

- **Height to top of cab and canopy**
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)

**644H Durable Accessories**

- **Bleeders**
  - 64 cm (25.2 in)
  - 64 cm (25.2 in)
  - 64 cm (25.2 in)
  - 64 cm (25.2 in)
  - 64 cm (25.2 in)

- **Breakout force, SAE J732C**
  - 46,615 lb (21,156 kg)
  - 39,227 lb (17,790 kg)
  - 43,799 lb (19,884 kg)
  - 34,177 lb (15,514 kg)
  - 40,615 lb (18,434 kg)

- **Maximum dump angle, full height**
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees
  - 44 degrees

- **Maximum rollback at full height**
  - 40.8 degrees
  - 40.8 degrees
  - 40.8 degrees
  - 40.8 degrees
  - 40.8 degrees

- **Maximum rollback at ground level**
  - 35 degrees
  - 35 degrees
  - 35 degrees
  - 35 degrees

- **Overall length**
  - 26 ft 8 in (8.1 m)
  - 27 ft 6 in (8.4 m)
  - 26 ft 10 in (8.1 m)
  - 28 ft 3 in (8.6 m)
  - 27 ft 2 in (8.3 m)
  - 28 ft 8 in (8.7 m)

- **Height to hinge pin, fully raised**
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)
  - 15 ft 4 in (4.7 m)

- **Height to top of exhaust**
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)

- **Height to top of cab and canopy**
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
  - 11 ft 0 in (3.4 m)
**Hydraulic System continued**

**624H**

- Lift at ground level:
  - 25,309 lb. (11,493 kg)
- Total lift time:
  - 10.2 sec.
- Rear:
  - 29 qt. (27 L)
- Front:
  - 80.7 in. (2050 mm)
  - 101.3 in. (2572 mm)
- Tread Width Width Over Tires Vertical Height Tread Width Width Over Tires Vertical Height
  - (3.06 m) short lip standard lip (3.8 m) short lip standard lip (4.6 m) short lip standard lip
  - (6477 kg) (6671 kg) (6310 kg) (6505 kg) (6074 kg) (6267 kg)

**644H**

- Lift at ground level:
  - 25,018 lb. (11,351 kg)
- Total lift time:
  - 10.6 sec.
- Rear:
  - 27 qt. (26 L)
- Front:
  - 80.7 in. (2050 mm)
  - 101.3 in. (2572 mm)
- Tread Width Width Over Tires Vertical Height Tread Width Width Over Tires Vertical Height
  - (3.06 m) short lip standard lip (3.8 m) short lip standard lip (4.6 m) short lip standard lip
  - (6477 kg) (6671 kg) (6310 kg) (6505 kg) (6074 kg) (6267 kg)

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**Loaders**

**Waste Handler**

- Model: 624H
- Engine:
  - 130 HP
  - Turbocharged, intercooled
  - 6 cylinder
- Transmission:
  - TC/PS transmission, computer-controlled
- Controls:
  - Three-function hydraulic valve with joystick control
- Hydraulic System:
  - SAE J1452-06 compliant
- Lift Capacity:
  - 644H: 25,018 lb. (11,351 kg)
  - 624H: 25,309 lb. (11,493 kg)
- Lift time:
  - 10.2 sec. (624H)
  - 10.6 sec. (644H)
- Additional Features:
  - Extended hydraulic oil cooler (for continuous duty)
  - Engine oil drain sensor guard
  - Coolant recovery tank
  - Engine air heater (for cold starts)
  - Four-function hydraulic valve with dual joystick controls

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**Key:**

- Batteries, high capacity (2), 12 volt with 950 CCA
- Batteries, standard (2), 12 volt with 750 CCA
- Extreme-duty hydraulic bottom guards (fuel fill, inlet screens, perforated/corrugated)
- Extreme-duty cab entry steps
- Extreme-duty transmission side guards
- High-intensity halogen front cab work lights
- Operator warning lights (coolant level, engine temperatures, transmission gear indicator, hourmeter) / Built-in diagnostics (fault codes, work lights) / Push-button dysfunction key
- Operator's Station:
  - Deluxe monitor and alarm system, multifunction computerized electronic: Audible and visual (over 20 options including engine, transmission oil temperature, fuel level, transmission oil pressure, engine idle, engine temperature, fuel pressure, oil pressure, engine idle, cylinder head temperatures, turbocharger, and battery voltage)
- Operator controls:
  - Bucket cylinder hydraulic lines, zerk, and valves
  - Drive-shaft guard
  - Extreme-duty cab entry steps
  - Extreme-duty transmission side guards
  - Heavy-duty rear grille
  - Grease-fitting guards
  - High-power fan guards (front and rear)
  - High-intensity halogen front cab work lights
  - Work lights, front (2) and rear (2)
  - Coolant recovery tank
  - Engine air heater (for cold starts)
  - Extreme-duty hydraulic bottom guards (fuel fill, inlet screens, perforated/corrugated)
- Engine:
  - Diesel, turbocharged, intercooled
- Transmission:
  - TC/PS transmission, computer-controlled

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**Loaders**

- Model: 644H
- Engine:
  - 130 HP
- Transmission:
  - TC/PS transmission, computer-controlled
- Controls:
  - Three-function hydraulic valve with joystick control
- Hydraulic System:
  - SAE J1452-06 compliant
- Lift Capacity:
  - 644H: 25,018 lb. (11,351 kg)
  - 624H: 25,309 lb. (11,493 kg)
- Lift time:
  - 10.2 sec. (624H)
  - 10.6 sec. (644H)
- Additional Features:
  - Extended hydraulic oil cooler (for continuous duty)
  - Engine oil drain sensor guard
  - Coolant recovery tank
  - Engine air heater (for cold starts)
  - Four-function hydraulic valve with dual joystick controls

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**Key:**

- Batteries, high capacity (2), 12 volt with 950 CCA
- Batteries, standard (2), 12 volt with 750 CCA
- Extreme-duty hydraulic bottom guards (fuel fill, inlet screens, perforated/corrugated)
- Extreme-duty cab entry steps
- Extreme-duty transmission side guards
- High-intensity halogen front cab work lights
- Operator warning lights (coolant level, engine temperatures, transmission gear indicator, hourmeter) / Built-in diagnostics (fault codes, work lights) / Push-button dysfunction key
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- Operator controls:
  - Bucket cylinder hydraulic lines, zerk, and valves
  - Drive-shaft guard
  - Extreme-duty cab entry steps
  - Extreme-duty transmission side guards
  - Heavy-duty rear grille
  - Grease-fitting guards
  - High-power fan guards (front and rear)
  - High-intensity halogen front cab work lights
  - Work lights, front (2) and rear (2)
  - Coolant recovery tank
  - Engine air heater (for cold starts)
  - Extreme-duty hydraulic bottom guards (fuel fill, inlet screens, perforated/corrugated)