

344V P

Compact Wheel Loader



JOHN DEERE





RUN SMALL, DREAM BIG

Your workday is usually long, your tasks can take you into tight places, and you need a multipurpose machine to get everything done. Smaller do-it-all equipment that combines head-turning maneuverability, sure-footed stability, and comfortable capability with productive power, responsive travel speed, and ease of serviceability. Meet the 344 P-Tier Compact Wheel Loader, designed to include a wide range of reliable standard features and proven options that help you imagine the big results this highly adaptable multitasker can deliver for your operation.

344 P-TIER COMPACT WHEEL LOADER



**MORE
STABLE***

+



**MORE
MANEUVERABLE***

+



**MORE
CAPABLE***

FEATURES

Turn things around

Industry-exclusive Articulation Plus™ steering system combines 30 degrees of articulation with 10 additional degrees of rear-wheel steer. Reduced articulation angle design delivers tighter turns that are more stable, especially with large loads, than comparatively sized loaders without Articulation Plus.

On the level

Loader arm and coupler design improves the lifting path to near parallel — for better load-carrying capability than previous models. This keeps the load more level from ground to truck-bed height and helps the operator focus on the task instead of on making manual adjustments.

Reach your goals

Outstanding reach enables the 344 P-Tier to efficiently dump to the center of tandem-axle trucks, for quick loading cycles. With exceptional lift and height to hinge pin, the optional High-Lift configuration makes this capable compact especially adept at repetitive dumping and stacking applications.

Fast getaway

With a standard top speed of just under 25 mph, the 344 P-Tier can make some pretty quick moves on and between jobsites.

Control and command

Low-effort joystick controls boom and bucket, forward-neutral-reverse (F-N-R), and differential lock. Adjustable-height monitor lets operators keep close watch on vital machine functions.

Enjoy the ride

Standard ride control cushions the boom during travel over rough and uneven terrain, reducing material spillage from the bucket and minimizing site cleanup.

*Compared to leading competitive articulation loaders of the same size.

Lighten up

In-cab lighting activates when the door is opened to illuminate machine entrances and exits. Optional LED front and rear work-lights brilliantly brighten early morning or after-daylight tasks.

Smooth moves

Load-sensing AutoShift power-train technology eliminates productivity-interrupting manual shifts between gear ranges while providing smooth direction changes.

Switch attachments

Equip your 344 P-Tier with an ISO coupler to quickly and easily go from bucket to forks, for maximum lift capacity.

It's a lock

Optional throttle lock and creep control let operators set a slow ground speed while maintaining full engine power to an attachment. Now even easier to activate and adjust on the fly, these functions are perfect for work with snow blowers, cold planers, or material scrapers.

Get a grip

Manual low-speed 100-percent differential lock delivers the ground-gripping tractive effort needed to dive deep into the pile and help heap the bucket. Rimpull control manages power to the wheels, allowing the operator to select the optimal setting to reduce tire and driveline wear.

Keep your cool

Redesigned engine compartment and cooling package improve airflow and reduce the amount of debris entering the system compared to previous models. Access to all daily service checks and cooler cores is from ground level.



344 P-TIER COMPACT WHEEL LOADER



**OPTIONAL LED
FRONT & REAR WORKLIGHTS
ENHANCE VISIBILITY**



Business booster

John Deere attachments are a great way to expand the flexibility of your operation. With more than 100 models, they'll help you broaden your abilities, work smarter, and accomplish even more.

Here to back you up

Parts and service are always available at over 1,400 John Deere dealer locations throughout North America.

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

| 344 P-TIER | | | |
|---|---|--|---|
| Manufacturer and Model | John Deere PowerTech™ PWS 4045H | Net Peak Torque (ISO 9249 and SAE J1349) | 405 Nm (299 lb.-ft.) at 1,600 rpm |
| Non-Road Emission Standard | EPA Final Tier 4/EU Stage V | Lubrication | Pressure system with full-flow spin-on filter |
| Cylinders | 4 | Aspiration | Turbocharged, charge-air cooled |
| Displacement | 4.5 L (275 cu. in.) | | |
| Maximum Peak Power (ISO 9249) | 76 kW (103 hp) at 2,000 rpm | | |
| Maximum Gross Output (ISO 3046 and SAE J1995) | 78 kW (106 hp) at 2,000 rpm | | |
| Cooling | | | |
| Fan | Suction type, hydraulically driven, proportionally controlled | | |
| Engine Coolant Rating | -37 deg. C (-34 deg. F) | | |
| Powertrain | | | |
| Hydrostatic (HST) with infinitely variable speed control over full range of operating speeds; 2 speed ranges; low-effort electric shift; joystick-mounted F-N-R; HST inching pedal allows infinitely reduced travel speeds while maintaining full engine rpm and hydraulic flow | | | |
| 2 Travel Speeds in Forward and Reverse (equipped with tires indicated as standard) | | | |
| Gear 1 | 18.0 km/h (11.2 mph) | | |
| Gear 2 | 40.0 km/h (24.9 mph) | | |
| Axles | | | |
| Rear center-pivot axle with 10-deg. rear axle oscillation and 10-deg. frame oscillation | | | |
| Rear Axle Oscillation Versus Front Axle | 20 deg. total, stop to stop | | |
| Differentials | | | |
| Hydraulic 100% dif-lock front and conventional rear differential | | | |
| Steering (SAE J1511) | | | |
| Hydraulic power steering; 30-deg. articulation left and right with mechanical-actuated rear-wheel steering | | | |
| Articulation Angle | 60-deg. arc (30 deg. each direction) | | |
| Final Drive | | | |
| Heavy-duty planetary, mounted outboard | | | |
| Brakes (SAE J1473 and ISO 3450) | | | |
| Service Brakes | Hydraulically actuated, self-adjusting internal wet-disc brake and driveline drum brake | | |
| Parking Brake | Automatically spring-applied, hydraulically released, internal wet disc | | |
| Hydraulics | | | |
| Main Pump (loader and steering) | Constant-displacement gear pump | Hydraulic Cycle Times | |
| Maximum Rated Flow at 6895 kPa (1,000 psi) and 2,400 rpm | 115 L/m (30 gpm) | Raise | 6.9 sec. |
| System Relief Pressure (loader and steering) | 24 000 kPa (3,480 psi) | Dump | 3.0 sec. |
| | | Lower (float down) | 4.9 sec. |
| | | Lower (power down) | 4.0 sec. |
| | | Total (with original pump) | 13.9 sec. |
| Controls | | | |
| Pilot-operated, pressure-compensating, 2-function valve with unloader; single-lever control and control-lever lockout feature; optional 3rd-function valve | | | |
| Electrical | | | |
| Type | Electrical load center with blade-type multi-fused circuits | | |
| Voltage | 12 volt | | |
| Battery Capacity | 1,700 CCA | | |
| Reserve Capacity | 176 min. | | |
| Alternator Rating | 90 amp | | |
| Lights | 2 front and 2 rear standard / optional LED field kit | | |
| Tires/Wheels | | | |
| Tires on Single-Piece Rims | Tread Width* | Width Over Tires† | Change in Vertical Height |
| 17.5R25EM, XHA2 L3 Michelin (standard) | 1869 mm (6 ft. 2 in.) | 2370 mm (7 ft. 9 in.) | 0 mm (0 in.) |
| 17.5R25EM, Goodyear SGL-D/L 2A, 12 PR 4S (optional) | 1869 mm (6 ft. 2 in.) | 2380 mm (7 ft. 10 in.) | -2 mm (0 in.) |
| 17.5R25EM, XTLA L2 Michelin (optional) | 1869 mm (6 ft. 2 in.) | 2380 mm (7 ft. 10 in.) | 16 mm (1 in.) |
| 17.5R25 L2 Nokian Hakkapeliitta Loader (optional) | 1869 mm (6 ft. 2 in.) | 2370 mm (7 ft. 9 in.) | 9 mm (0 in.) |
| *Also see Q in Dimensions section on pages 7 and 8. / †Also see R in Dimensions section on pages 7 and 8. | | | |
| Serviceability | | | |
| Refill Capacities | | | |
| Cooling System (engine and radiator) | 21.0 L (22.2 qt.) | Hydraulic/HST Reservoir With Filter | 115.0 L (30.4 gal.) |
| Differential and Planetary Axle (front and rear [each]) | 7.5 L (7.9 qt.) | HST Motor Gearbox | 2.0 L (2.1 qt.) |
| Engine Oil With Filter | 14.0 L (14.8 qt.) | Front/Rear Axle Planetary Hubs (each) | 0.8 L (25.4 oz.) |
| Fuel Tank | 155.0 L (40.9 gal.) | | |
| Refill Capacities (continued) | | | |

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Operating Weights

344 P-TIER

Measured with standard equipment; 17.5R25EM, XHA2 L3 Michelin tires; standard counterweight; cab; 79-kg (175 lb.) operator; and full fuel tank

With 1.5-m³ (2.0 cu. yd.) Pin-On General-Purpose (GP) 8860 kg (19,533 lb.)

Bucket With Bolt-On Edge

With Quick-Coupler and 1.5-m³ (2.0 cu. yd.) GP Bucket 9070 kg (19,996 lb.)

With Bolt-On Edge

With Quick-Coupler and 2.0-m³ (2.6 cu. yd.) Light-

Material Bucket With Bolt-On Edge

Loader With Quick-Coupler and Fork 9250 kg (20,393 lb.)

8930 kg (19,687 lb.)

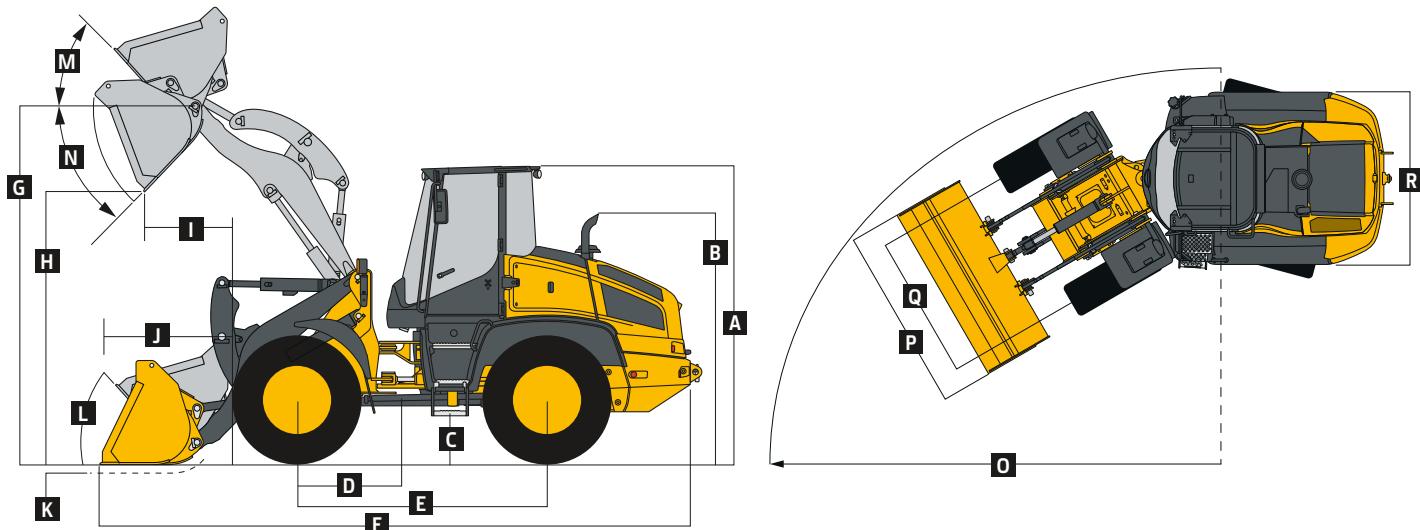
Optional Components

Bucket, 1.5 m³ (2.0 cu. yd.), Pin-On 660 kg (1,455 lb.)

Bucket, 1.5 m³ (2.0 cu. yd.) 628 kg (1,385 lb.)

Bucket, 2.0 m³ (2.6 cu. yd.) 757 kg (1,669 lb.)

Dimensions and Specifications With Pin-On Bucket



344 P-TIER STANDARD-LINKAGE / HIGH-LIFT LINKAGE LOADERS WITH PIN-ON BUCKET

Dimensions With Pin-On General-Purpose (GP) Bucket

With Bolt-On Edge

| | |
|--|----------------------------------|
| A Height to Top of Cab | 1.5 m ³ (2.0 cu. yd.) |
| B Height to Top of Exhaust | 3.03 m (9 ft. 11 in.) |
| C Ground Clearance | 2.53 m (8 ft. 3 in.) |
| D Length From Centerline to Front Axle | 430 mm (16.9 in.) |
| E Wheelbase | 1.15 m (3 ft. 9 in.) |
| F Overall Length, Bucket on Ground | 2.60 m (8 ft. 6 in.) |
| G Height to Hinge Pin, Fully Raised | 6.30 m (20 ft. 8 in.) |
| H Dump Clearance, 44-deg. Full Height | 3.72 m (12 ft. 2 in.) |
| I Reach, 44-deg. Dump, Full Height | 2.92 m (9 ft. 7 in.) |
| J Reach, 44-deg. Dump, 2.13-m (7 ft.) Clearance | 820 mm (32.3 in.) |
| K Maximum Digging Depth | 1.64 m (5 ft. 5 in.) |
| L Maximum Rollback at Ground Level | 1.64 m (5 ft. 5 in.) |
| M Maximum Rollback, Boom Fully Raised | 75 mm (3 in.) |
| N Maximum Bucket Dump Angle, Fully Raised | 48 deg. |
| O Maximum Bucket Dump Angle, Fully Raised | 44 deg. |
| P Turning Circle Radius Measured to Outside Corner of Bucket | 4.43 m (14 ft. 6.5 in.) |
| Q Bucket Width | 2.40 m (7 ft. 10 in.) |
| R Tread Width (standard) ⁸ | 1869 mm (6 ft. 2 in.) |
| R Width Over Tires (standard) ⁸ | 2370 mm (7 ft. 9 in.) |
| Loader Clearance Circle, Bucket Carry Position | 8.86 m (29 ft. 1 in.) |

⁸Also see *Tires/Wheels* section on page 6.

344 P-TIER

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Dimensions and Specifications

With Pin-On Bucket (continued)

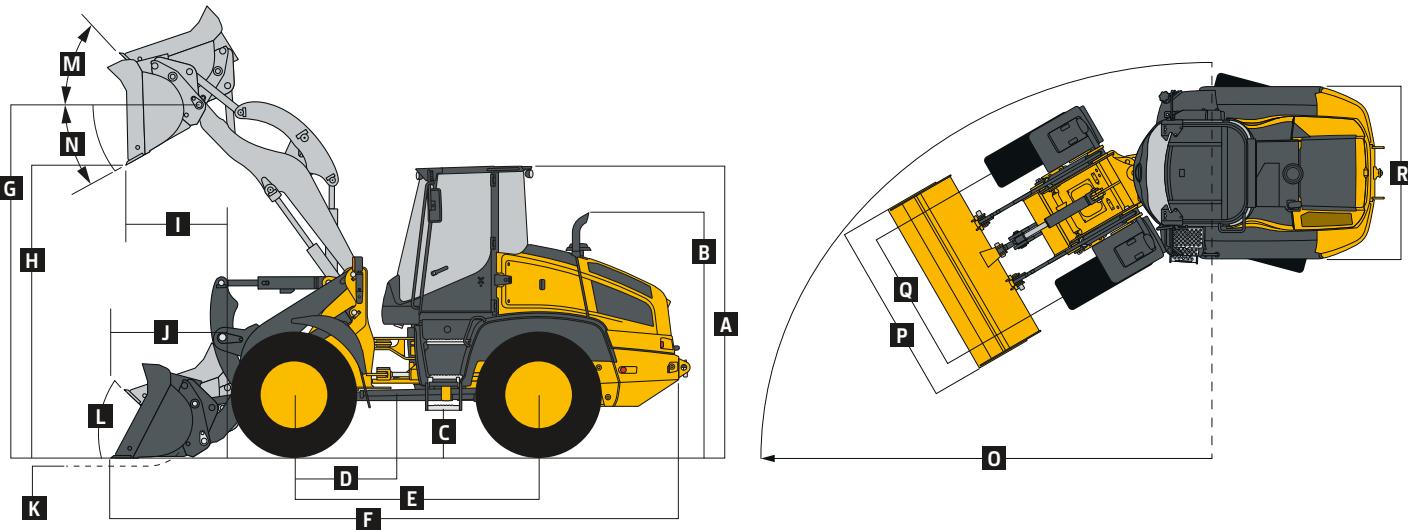
344 P-TIER

Specifications With Pin-On General-Purpose (GP) Bucket

| | |
|--|----------------------------------|
| With Bolt-On Edge | 1.5-m ³ (2.0 cu. yd.) |
| Capacity, Heaped | 1.5 m ³ (2.0 cu. yd.) |
| Capacity, Struck | 1.2 m ³ (1.6 cu. yd.) |
| Breakout Force | 73 kN (16,411 lb.) |
| Tipping Load, Straight | 6240 kg (13,757 lb.) |
| Tipping Load, Full Turn | 5710 kg (12,588 lb.) |
| Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)* | 2855 kg (6,294 lb.) |

*Rated operating capacity based on Deere attachments only.

Dimensions and Specifications With Quick-Coupler and Bucket



344 P-TIER STANDARD-LINKAGE / HIGH-LIFT-LINKAGE LOADERS WITH QUICK-COUPLER AND BUCKET

| Dimensions With Quick-Coupler and Bucket With Bolt-On Edge | Standard Linkage | Standard Linkage | High-Lift Linkage | High-Lift Linkage |
|--|--|--|---------------------------------------|--|
| | 1.5-m ³ (2.0 cu. yd.) general purpose (GP) | 2.0-m ³ (2.6 cu. yd.) light material | 1.5-m ³ (2.0 cu. yd.) (GP) | 2.0-m ³ (2.6 cu. yd.) light material |
| A Height to Top of Cab | 3.03 m (9 ft. 11 in.) | 3.03 m (9 ft. 11 in.) | 3.03 m (9 ft. 11 in.) | 3.03 m (9 ft. 11 in.) |
| B Height to Top of Exhaust | 2.53 m (8 ft. 3 in.) | 2.53 m (8 ft. 3 in.) | 2.53 m (8 ft. 3 in.) | 2.53 m (8 ft. 3 in.) |
| C Ground Clearance | 430 mm (16.9 in.) | 430 mm (16.9 in.) | 430 mm (16.9 in.) | 430 mm (16.9 in.) |
| D Length From Centerline to Front Axle | 1.15 m (3 ft. 9 in.) | 1.15 m (3 ft. 9 in.) | 1.15 m (3 ft. 9 in.) | 1.15 m (3 ft. 9 in.) |
| E Wheelbase | 2.60 m (8 ft. 6 in.) | 2.60 m (8 ft. 6 in.) | 2.60 m (8 ft. 6 in.) | 2.60 m (8 ft. 6 in.) |
| F Overall Length, Bucket on Ground | 6.50 m (21 ft. 4 in.) | 6.54 m (21 ft. 5 in.) | 6.73 m (22 ft. 1 in.) | 6.87 m (22 ft. 6 in.) |
| G Height to Hinge Pin, Fully Raised | 3.72 m (12 ft. 2 in.) | 3.72 m (12 ft. 2 in.) | 4.01 m (13 ft. 2 in.) | 4.01 m (13 ft. 2 in.) |
| H Dump Clearance, 44-deg. Full Height | 2.84 m (9 ft. 4 in.) | 2.75 m (9 ft. 0 in.) | 3.12 m (10 ft. 3 in.) | 3.02 m (9 ft. 11 in.) |
| I Reach, 44-deg. Dump, Full Height | 905 mm (3 ft. 0 in.) | 1010 mm (3 ft. 4 in.) | 920 mm (3 ft. 0 in.) | 1020 mm (3 ft. 4 in.) |
| J Reach, 44-deg. Dump, 2.13-m (7 ft.) Clearance | 1.73 m (5 ft. 8 in.) | 1.82 m (5 ft. 11 in.) | 1.94 m (6 ft. 4 in.) | 2.04 m (6 ft. 8 in.) |
| K Maximum Digging Depth | 70 mm (2.8 in.) | 70 mm (2.8 in.) | 125 mm (4.9 in.) | 125 mm (4.9 in.) |
| L Maximum Rollback at Ground Level | 48 deg. | 48 deg. | 48 deg. | 48 deg. |
| M Maximum Rollback, Boom Fully Raised | 53 deg. | 53 deg. | 53 deg. | 53 deg. |
| N Maximum Bucket Dump Angle, Fully Raised | 44 deg. | 44 deg. | 44 deg. | 44 deg. |
| O Turning Circle Radius Over Outside of Bucket Edge | 4.57 m (14 ft. 11.5 in.) | 4.59 m (15 ft. 0.5 in.) | 4.62 m (15 ft. 2 in.) | 4.74 m (15 ft. 6.5 in.) |
| P Bucket Width | 2.40 m (7 ft. 10 in.) | 2.50 m (8 ft. 2 in.) | 2.40 m (7 ft. 10 in.) | 2.50 m (8 ft. 2 in.) |
| Q Tread Width (standard)* | 1869 mm (6 ft. 2 in.) | 1869 mm (6 ft. 2 in.) | 1869 mm (6 ft. 2 in.) | 1869 mm (6 ft. 2 in.) |
| R Width Over Tires (standard)* | 2370 mm (7 ft. 9 in.) | 2370 mm (7 ft. 9 in.) | 2370 mm (7 ft. 9 in.) | 2370 mm (7 ft. 9 in.) |
| Loader Clearance Circle, Bucket Carry Position | 9.13 m (29 ft. 11 in.) | 9.18 m (30 ft. 1 in.) | 9.24 m (30 ft. 4 in.) | 9.48 m (31 ft. 1 in.) |

*Also see *Tires/Wheels* section on page 6.

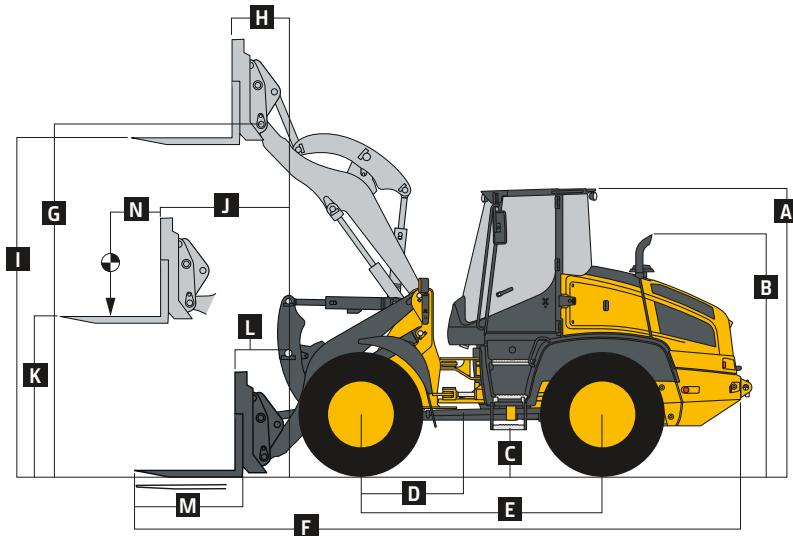
Specifications With Quick-Coupler and Bucket

| | | | | |
|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Capacity, Heaped | 1.5 m ³ (2.0 cu. yd.) | 2.0 m ³ (2.6 cu. yd.) | 1.5 m ³ (2.0 cu. yd.) | 2.0 m ³ (2.6 cu. yd.) |
| Capacity, Struck | 1.2 m ³ (1.6 cu. yd.) | 1.6 m ³ (2.1 cu. yd.) | 1.2 m ³ (1.6 cu. yd.) | 1.6 m ³ (2.1 cu. yd.) |
| Breakout Force | 64 kN (14,388 lb.) | 59 kN (13,264 lb.) | 63 kN (14,163 lb.) | 59 kN (13,264 lb.) |
| Tipping Load, Straight | 5850 kg (12,897 lb.) | 5680 kg (12,522 lb.) | 5150 kg (11,354 lb.) | 4,955 kg (10,924 lb.) |
| Tipping Load, Full Turn | 5350 kg (11,795 lb.) | 5200 kg (11,464 lb.) | 4700 kg (10,362 lb.) | 4,535 kg (9,998 lb.) |
| Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)* | 2675 kg (5,897 lb.) | 2600 kg (5,732 lb.) | 2350 kg (5,181 lb.) | 2268 kg (4,999 lb.) |

*Rated operating capacity based on Deere attachments only.

**Dimensions and Specifications
With Quick-Coupler and Fork**

344 P-TIER



344 P-TIER STANDARD-LINKAGE / HIGH-LIFT-LINKAGE LOADERS WITH QUICK-COUPLER AND FORK

| Dimensions With Quick-Coupler and Fork | | <i>Standard Linkage</i> | <i>High-Lift Linkage</i> |
|---|--------------------------------------|--|--|
| A | Height to Top of Cab | 1.20-m (47.2 in.) tine length | 1.20-m (47.2 in.) tine length |
| B | Height to Top of Exhaust | 3.03 m (9 ft. 11 in.) | 3.03 m (9 ft. 11 in.) |
| C | Ground Clearance | 2.53 m (8 ft. 3 in.) | 2.53 m (8 ft. 3 in.) |
| D | Length From Centerline to Front Axle | 430 mm (16.9 in.) | 430 mm (16.9 in.) |
| E | Wheelbase | 1.15 m (3 ft. 9 in.) | 1.15 m (3 ft. 9 in.) |
| F | Overall Length, Forks on Ground | 2.60 m (8 ft. 6 in.) | 2.60 m (8 ft. 6 in.) |
| G | Height to Hinge Pin, Fully Raised | 6.84 m (22 ft. 5 in.) | 7.17 m (23 ft. 6 in.) |
| H | Reach, Fully Raised | 3.72 m (12 ft. 2 in.) | 4.01 m (13 ft. 2 in.) |
| I | Fork Height, Fully Raised | 615 mm (24.2 in.) | 645 mm (25.4 in.) |
| J | Maximum Reach, Fork Level | 3.58 m (11 ft. 9 in.) | 3.87 m (12 ft. 8 in.) |
| K | Fork Height, Maximum Reach | 1.46 m (4 ft. 9 in.) | 1.71 m (5 ft. 7 in.) |
| L | Reach, Ground Level | 1.75 m (5 ft. 9 in.) | 1.73 m (5 ft. 8 in.) |
| M | Tine Length | 765 mm (30.1 in.) | 1095 mm (43.1 in.) |
| N | Load Position, 50% Tine Length | 1.20 m (47.2 in.) | 1.20 m (47.2 in.) |
| Specifications With Quick-Coupler and Fork | | <i>As measured with fork level, centered on tine</i> | <i>As measured with fork level, centered on tine</i> |
| Tipping Load, Straight | | 4500 kg (9,921 lb.) | 3980 kg (8,774 lb.) |
| Tipping Load, Full Turn | | 4120 kg (9,083 lb.) | 3640 kg (8,025 lb.) |
| Rated Operating Load, 50% Full-Turn Tipping Load (conforms to ISO 14397-1 and SAE J1197)* | | 2060 kg (4,542 lb.) | 1820 kg (4,012 lb.) |
| Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load (conforms to EN474-3)* | | 2472 kg (5,450 lb.) | 2185 kg (4,817 lb.) |
| Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load (conforms to EN474-3)* | | 3296 kg (7,266 lb.) | 2900 kg (6,393 lb.) |

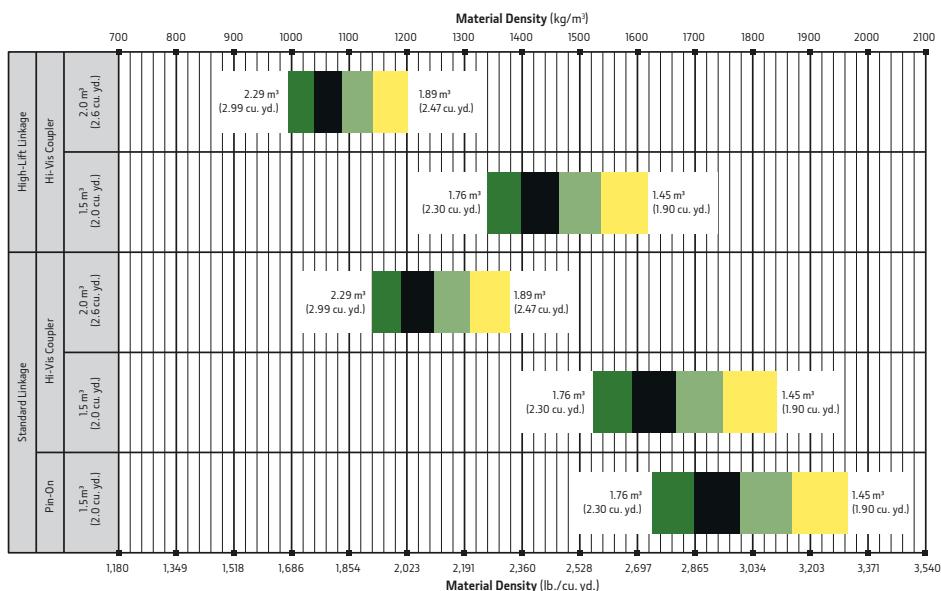
*Rated operating capacity based on Deere attachments only.

344 P-TIER

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Bucket Selection Guide

344 P-TIER



| LOOSE MATERIALS | kg/m ³ | lb./cu.yd. | LOOSE MATERIALS | kg/m ³ | lb./cu.yd. |
|----------------------------------|-------------------|------------|---|-------------------|------------|
| Chips, pulpwood | 288 | 486 | Limestone, coarse, sized | 1570 | 2,646 |
| Cinders (coal, ashes, clinkers) | 673 | 1,134 | Limestone, mixed sizes | 1682 | 2,835 |
| Clay and gravel, dry | 1602 | 2,700 | Limestone, pulverized or crushed | 1362 | 2,295 |
| Clay, compact, solid | 1746 | 2,943 | Sand, damp | 2083 | 3,510 |
| Clay, dry in lump loose | 1009 | 1,701 | Sand, dry | 1762 | 2,970 |
| Clay, excavated in water | 1282 | 2,160 | Sand, voids, full of water | 2083 | 3,510 |
| Coal, anthracite, broken, loose | 865 | 1,458 | Sandstone, quarried | 1314 | 2,214 |
| Coal, bituminous, moderately wet | 801 | 1,350 | Shale, broken crushed | 1362 | 2,295 |
| Earth, common loam, dry | 1218 | 2,052 | Slag, furnace granulated | 1955 | 3,294 |
| Earth, mud, packed | 1843 | 3,105 | Stone or gravel, 37.5 to 87.5-mm | | |
| Granite, broken | 1538 | 2,592 | (1.5 to 3.5 in.) size | 1442 | 2,430 |
| Gypsum | 2275 | 3,834 | Stone or gravel, 18.75-mm (0.75 in.) size | 1602 | 2,700 |

Additional equipment

Key: ● Standard ▲ Optional or special
See your John Deere dealer for further information.

344 P Engine

- Antifreeze, -37 deg. C (-34 deg. F)
- Coolant recovery tank
- Fan safety guard
- Fan, suction type, hydraulically driven, proportional speed
- Environmentally friendly engine oil drain
- Spin-on engine oil and fuel filter
- Engine oil cooler
- Quick-release fuel filter and water separator
- Under-hood dual-element air cleaner with restriction indicator with dust-evacuator valve
- Prescreened air intake
- Automatic glow plugs for cold start
- ▲ Engine coolant heater, 110 volts

Electrical

- Starter switch with electric fuel cutoff
- 12-volt system
- Electrical load center with blade-type fuses behind operator's seat
- Standard batteries (2), 12 volt with 1,700 CCA, 176-min. rated reserve
- Master electrical disconnect switch
- Alternator, 12 volts, 90 amps
- Horn (conforms to SAE J994 / J1446)
- Lights (conform to SAE 99): Driving / Front working (2) / Turn signals / Flashers / Stop / Taillights
- Worklights, rear (2)
- Reverse warning alarm (conforms to SAE J994 / J1446)
- Multifunction monitor with audible and visual warnings: Low engine oil pressure, engine coolant temperature, hydraulic oil temperature warning light, and parking brake indicator / Gauge and indicator: Engine coolant temperature gauge, fuel level gauge, speedometer, clock, and hour meter
- Diesel exhaust fluid (DEF) gauge
- Indicator lights: Engine air filter / Parking brake actuated / Forward/reverse travel / 1st- or 2nd-speed range / Turn signal and hazard lights / High-beam driving lights indicator / Battery voltage
- Pre-wired for roof beacon

344 P Powertrain/Brakes

- Smooth AutoShift technology up to 40 km/h (25 mph)
- Hydrostatic (HST) transmission: Electric shift control / Single-lever joystick F-N-R / HST oil cooler / Inchng pedal / 2 speeds forward and reverse / Infinitely variable speed control
- Rimpull control
- Service brakes, hydraulically actuated, self-adjusting internal wet-disc brake and driveline drum brake
- Parking brake, spring applied, hydraulically released, switch operated
- Conventional-type rear differentials, 100% locking front differential

Hydraulic System

- Hydraulic fan for demand-based cooling
- Hydraulic system oil cooler
- Automatic bucket return-to-dig control
- Boom float detent
- Reservoir sight gauge for hydraulic/HST oil
- Fine-micron hydraulic filters, vertical mounting
- Hydraulic function lockout
- 2-function pressure-compensating hydraulic valve with pilot joystick control
- ▲ 3-function pressure-compensating hydraulic valve with pilot joystick control including auxiliary EH proportional control for 3rd function
- Quick-coupler diagnostic ports: Priority pressure / Hydraulic pump pressure / Control valve pressure / HST pressure

Operator's Station

- Cab (conforms to SAE J1040, SAE J231, ISO 3471, and ISO 3449): ROPS/FOPS / Heater/defroster / Rubber-plane isolation mounted for noise/vibration reduction / Intermittent front and rear windshield wipers and washers / Tinted safety glass / Adjustable sun visor / Mid-back cloth seat with mechanical suspension / 51-mm (2 in.) retractable seat belt / Full swing-out left and right doors with sliding window in left door
- ▲ Premium air-ride high-back heated seat with headrest and dual lumbar control
- Radio-ready cab, fused 12-volt radio electrical lead and speakers, and power port

344 P Operator's Station (continued)

- ▲ AM/FM/Weather-Band (WB) radio
- Air conditioning
- Storage compartment for operator's manual and other items located under operator seat and 2 options left of operator seat
- Rubber floor mat
- Dual tilt and telescoping steering column
- Rearview mirrors, outside (2) and inside (1) (conform to SAE J985)
- Handholds and steps, ergonomically located and slip resistant (conform to SAE J185)
- ▲ 76-mm (3 in.) retractable seat belt

Loader Linkage

- Z-Bar loader linkage provides high bucket breakout
- ▲ High-Lift linkage
- Loader boom service locking bar (conforms to SAE J38)

Buckets and Attachments

- ▲ Full line of buckets with bolt-on cutting edges
- ▲ ISO-style quick-coupler
- ▲ Pallet forks

Tires

- 17.5R25EM, XHA2 L3 Michelin
- ▲ 17.5R25EM, Goodyear SGL-D/L 2A, 12 PR 4S
- ▲ 17.5R25EM, XTLA L2 Michelin
- ▲ 17.5R25 Nokian Hakkapeliitta Loader

Other

- ▲ LED worklights (spot or flood)
- ▲ Hydraulic reversing fan
- ▲ Front window guard
- Fenders, front and rear
- Articulation locking bar (conforms to SAE J276)
- Vandal protection, includes lockable engine enclosure and fuel fill
- Cast rear counterweight
- Drawbar, with locking pin
- Lift eyes
- Tie-downs
- Ride control
- ▲ Creep control/throttle lock
- ▲ Fire extinguisher
- ▲ Rear machine guard
- ▲ Fuel tank guard

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.). Gross power is without cooling fan. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with all standard equipment, ROPS cab, 17.5R25EM, XHA2 L3 Michelin tires, full fuel tank, air conditioning off, and 79-kg (175 lb.) operator.



JOHN DEERE

MW344PAU (23-05)