

544 P

Wheel Loader



JOHN DEERE



ELEVATE YOUR EXPECTATIONS

VISION AND DETECTION SYSTEM OFFERINGS

Active jobsites present many operational challenges, including multiple machines, crew members, and bystanders. John Deere precision construction solutions such as Advanced Vision System (AVS), Advanced Object Detection (AOD), and SmartDetect™ can help enhance operator awareness to confidently navigate busy work areas:

- Optional **AVS** includes two additional digital cameras mounted on the left and right rearview mirror platforms that integrate with the digital rearview (backup) camera to project images on a single dedicated in-cab display.
- Paired with a high-resolution camera and a dedicated display, optional **AOD** system utilizes radar to provide in-cab operator-audible alerts when objects are detected behind the machine. AOD also adds dynamic path lines that articulate based on the loader's travel motion to the dedicated display to help operators visualize the machine's reverse path.
- Available as a factory install and also as an easily installed field kit for new and existing loaders, optional **SmartDetect** helps the operator distinguish between objects and people in the machine's reverse travel path. Combined with unique operator-audible alerts, the system issues visual cues highlighting detected objects on the dedicated display. An added external alarm alerts detected individuals in the loader's travel path. SmartDetect requires AVS, AOD, and a dedicated in-cab G5 display as well as software activation.
- Building on SmartDetect capabilities, optional **SmartDetect™ Digital** utilizes on-machine technologies to create an off-board solution for equipment owners, fleet managers, and safety professionals. Easily accessed through the user-friendly John Deere Operations Center™ mobile app, the system notifies supervisors of near-miss events with corresponding video. Weekly reports of digital usage and jobsite events within a heat-map summary are also available.



AVS ON THE G5 DISPLAY

ABOVE AND BEYOND

MEET THE P-TIER WHEEL LOADERS



**SMARTWEIGH™
PAYLOAD-WEIGHING
SOLUTION IS DEERE
DESIGNED & SUPPORTED**

When your material-handling application needs a heavy-duty lift, add a P-Tier Wheel Loader to your lineup. Combining convenient front-end features with near-parallel lift, spacious operator stations including customizable ergonomic electrohydraulic (EH) controls, streamlined electrical and hydraulic routing, and innovative options, these versatile and productive mid-size models are designed to help you take your operation to the next level.

Prepare for productivity

Integrated with the John Deere Operations Center mobile app and desktop interface, in-cab displays of auto daily fluid checks, fluid loss sensing, battery monitoring, and auto active warmup give operators the fleet health info needed to get the machine and themselves ready for a productive workday.

At the forefront

Featuring bucket and linkage designs that improve load leveling, material retention, and visibility, P-Tier Loaders yield more productivity and performance than previous models. Enhanced-performance buckets with integrated spill guards, curved side cutters, and impressive rollback deliver elevated bucket-fill performance and material retention compared to earlier offerings. Optional new John Deere high-strength steel buckets with extended lip are made to move up to five-percent more material than previous designs.

It pays to save

John Deere PowerTech™ 4.5L engine delivers lower hourly operating costs and 12,000-hour preventative-maintenance expenses without loss of torque or productivity compared to our 6.8L model.

Keep your cool

The next evolution of Quad-Cool™ enables the cooling system to be conveniently accessed and cleaned from ground level. All daily service points including fuel refill are conveniently grouped at ground level on the left side of the machine for easy access. Routing of electrical wire harnesses and hydraulic hoses has been streamlined.

LED beacon option

Four optional new LED beacons can be added to the cab of the loader to help make bystanders more aware of the machine.

Material matters

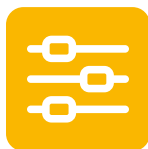
SmartWeigh option features dynamic weighing technology that allows operators to weigh without interrupting workflow and removes the need to lower and reraise the boom after tipoff. SmartWeigh upgrades include new UX features that improve operator interaction. Shared through the onboard monitor, SmartWeigh is easy to calibrate and effortlessly integrates with the John Deere Operations Center so you can track and visualize payload data from almost anywhere. Available as a factory-installed or field-kit option, you can also try SmartWeigh at a low cost for 250 machine hours.



OVERACHIEVERS

ASPIRE TO GO HIGHER.

With handy front-end features and plenty of productivity-boosting enhancements over previous models, our 544 P-Tier Wheel Loader redefines expectations about the heights a utility loader can reach.



Take control

Operators can easily control up to six functions without letting go of the ergonomically designed joystick. Four industry-exclusive multifunction buttons can each be programmed to handle any of up to 12 functions selected through the monitor, including bucket vibrate and EH Precision mode.



Have a seat

Spacious and comfortable cab features extra legroom, an improved HVAC system, additional storage, and a more adjustable seat than earlier models.



Near-parallel lift

Lift path on Z-Bar linkage is near parallel. Better load-leveling capability compared to K-Series models minimizes load rollback, reduces material spillage, and requires fewer manual adjustments. Cross-tube and boom geometry of the Z-Bar linkage has been streamlined to provide a better view to the front attachment.



Pretty big plus

High-Lift Plus configuration provides an additional 24 inches of hinge-pin height over standard lift height and 12 inches over the High-Lift model. All three lift heights feature near-parallel lift.



Level up

AutoLevel enables near-perfect parallelism throughout the boom-raise-and-lower cycle, letting operators set their desired attachment angle to within $\pm$ two degrees.



Connected machines

John Deere construction equipment comes with in-base connectivity — free from subscriptions or annual renewals. Analyze critical machine data, track utilization, review diagnostic alerts, and more from **the John Deere Operations Center**. The Operations Center also enables John Deere Connected Support™, which uses data from thousands of connected machines to proactively address issues before they arise. With your approval, your dealer can also remotely monitor machine health, diagnose problems, and even update machine software without a trip to the jobsite.*

*Availability varies by region and product. Options not available in every country.



A yellow John Deere 544 P wheel loader is shown in a three-quarter front view, lifting a large bale of hay with its front bucket. The loader has large, treaded tires and a black cab with the John Deere logo. The background is a clear blue sky and a field of hay bales.

544 P

WHEEL LOADER

3" MORE LEGROOM
THAN K-SERIES CABS



544 P-TIER WHEEL LOADER SPECIFICATIONS

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.

Engine		544 P-TIER Z-BAR / HIGH-LIFT / HIGH-LIFT PLUS	
Manufacturer and Model	John Deere PowerTech™ PSS 4045	Net Torque Rise	47%
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	Rated Speed	2,200 rpm
Cylinders	4	Fuel System (electronically controlled)	High-pressure common rail
Valves Per Cylinder	4	Lubrication	Full-flow spin-on filter and integral cooler
Displacement	4.5 L (276 cu. in.)	Aspiration	Turbocharged, charge air cooled
Net Peak Power (ISO 9249)	123 kW (166 hp) at 1,700 rpm	Air Cleaner	Under-hood, dual-element dry type, restriction indicator in cab monitor for service
Gross Peak Power (ISO 9249)	130 kW (174 hp) at 1,700 rpm		
Net Peak Torque (ISO 9249)	737 Nm (544 ft.-lb.) at 1,300 rpm		
Gross Peak Torque (ISO 9249)	770 Nm (568 ft.-lb.) at 1,600 rpm		
Cooling			
Fan Drive	Hydraulically driven, proportionally controlled, fan aft of coolers		
Electrical			
Electrical System	24 volt with 145-amp alternator		
Batteries (2 – 12 volt)	950 CCA (each)		
Transmission System			
Type	Countershaft-type PowerShift™		
Torque Converter	Single stage, single phase		
Shift Control	Electronically modulated, adaptive, load and speed dependent		
Operator Interface	Steering-column or joystick-mounted F-N-R and gear-select lever; kick-down button on hydraulic lever		
Shift Modes	Manual/auto (1st-D or 2nd-D); Quick-Shift button with 2 selectable modes: kick-down or kick-up/down; and 4 clutch cutoff settings		
Maximum Travel Speeds (with 20.5 R 25 tires)	Standard 5-Speed With Lockup Torque Converter		Optional 5-Speed Without Lockup Torque Converter
	Forward	Reverse	Forward Reverse
Range 1	6.1 km/h (3.7 mph)	5.9 km/h (3.6 mph)	5.6 km/h (3.5 mph) 6.0 km/h (3.7 mph)
Range 2	12.0 km/h (7.4 mph)	12.7 km/h (7.8 mph)	11.2 km/h (7.0 mph) 11.9 km/h (7.3 mph)
Range 3	18.6 km/h (11.5 mph)	29.4 km/h (18.3 mph)	17.4 km/h (10.8 mph) 27.6 km/h (17.1 mph)
Range 4	27.9 km/h (17.3 mph)	N/A	26.2 km/h (16.2 mph) N/A
Range 5	40.0 km/h (24.8 mph)	N/A	40.0 km/h (24.8 mph) N/A
Axles/Brakes			
Final Drives	Heavy-duty inboard-mounted planetary		
Differentials	Hydraulic locking front with conventional rear — standard; dual locking front and rear — optional		
Rear Axle Oscillation, Stop to Stop (with 20.5 R 25 tires)	24 deg. (12 deg. each direction)		
Brakes (conform to ISO 3450)			
Service	Hydraulically actuated, spring-retracted, self-adjusting, inboard sun-shaft mounted, oil cooled, single disc		
Parking	Automatic spring applied, hydraulically released, driveline mounted, sealed wet multi disc		
Tires/Wheels (see page 9 for complete tire adjustments)			
	Tread Width		Width Over Tires
Bridgestone 20.5 R 25, 1 Star L-3 VJT	1950 mm (76.8 in.)		2546 mm (100.2 in.)
Serviceability			
Refill Capacities		Refill Capacities (continued)	
Fuel Tank (with lockable cap)	265 L (70 gal.)	Axle Oil (each)	
Cooling System	24.3 L (25.7 qt.)	Front	16.6 L (17.5 qt.)
Diesel Exhaust Fluid (DEF)	15.6 L (16.5 qt.)	Rear	18 L (19 qt.)
Engine Oil With Vertical Spin-On Filter	14.5 L (15.3 qt.)	Hydraulic Reservoir and Filter	90.5 L (23.9 gal.)
Transmission Reservoir With Vertical Filter	21 L (22.2 qt.)	Park Brake Oil (wet disc)	0.3 L (10 oz.)
Hydraulic System/Steering			
Pump (loader and steering)	Variable-displacement, axial-piston pump; closed-center, pressure-compensating system		
Maximum Rated Flow at 6895 kPa (1,000 psi) and 2,200 rpm	170 L/m (45 gpm)		
System Relief Pressure (loader and steering)	27 370 kPa (3,970 psi)		
Loader Controls	2-function valve, joystick control or fingertip controls, hydraulic-function enable/disable, optional 3rd- and 4th-function valve from factory, 5th and 6th functions available by field kit		
Steering (conforms to ISO 5010)	Steering-column-mounted, twist-grip shift lever; Quick-Shift button on hydraulic lever		
Type	Power, fully hydraulic		
Articulation Angle	80-deg. arc (40 deg. each direction)		
Turning Radius (measured to centerline of outside tire)	5.0 m (16 ft. 5 in.)		

544 P-TIER WHEEL LOADER SPECIFICATIONS

544

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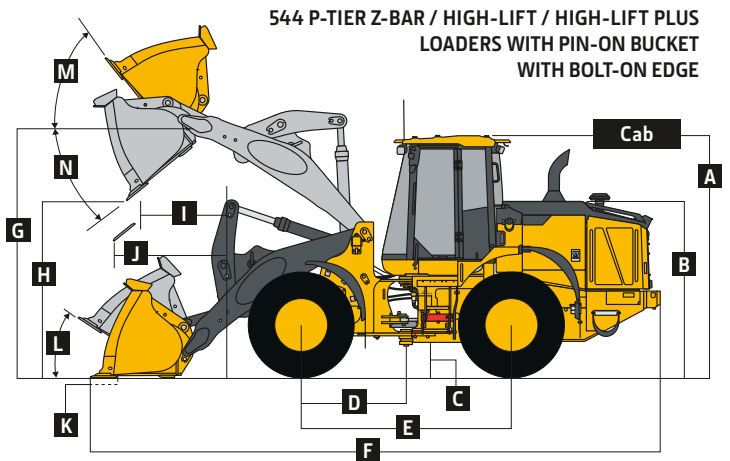
Hydraulic System/Steering (continued) 544 P-TIER Z-BAR / HIGH-LIFT / HIGH-LIFT PLUS

Hydraulic Cycle Times	Z-Bar / High-Lift / High-Lift Plus
Raise	6.1 sec.
Dump	2.2 sec.
Lower (power down)	4.3 sec.
Total	12.6 sec.

Bucket Capacity Range

Bucket Type	
Pin-On	2.1–2.5 m ³ (2.75–3.25 cu. yd.)
Coupler	1.9–4.0 m ³ (2.5–5.25 cu. yd.)

Dimensions and Specifications With Pin-On Bucket With Bolt-On Edge



	Z-Bar	Z-Bar	High-Lift	High-Lift	High-Lift Plus	High-Lift Plus
	2.3-m ³ (3.0 cu. yd.)	2.5-m ³ (3.25 cu. yd.)	2.1-m ³ (2.75 cu. yd.)	2.3-m ³ (3.0 cu. yd.)	2.1-m ³ (2.75 cu. yd.)	2.3-m ³ (3.0 cu. yd.)
	enhanced	enhanced	enhanced	enhanced	enhanced	enhanced
	performance	performance	performance	performance	performance	performance
Dimensions With Bucket With Bolt-On Edge (illustration above right)						
A Height to Top of Cab	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)
B Hood Height	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)
C Ground Clearance	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)
D Length From Centerline to Front Axle	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)
E Wheelbase	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)
F Overall Length, Bucket on Ground	7.56 m (24 ft. 10 in.)	7.56 m (24 ft. 10 in.)	7.87 m (25 ft. 10 in.)	7.95 m (26 ft. 1 in.)	8.24 m (27 ft. 0 in.)	8.32 m (27 ft. 4 in.)
G Height to Hinge Pin, Fully Raised	3.89 m (12 ft. 9 in.)	3.89 m (12 ft. 9 in.)	4.17 m (13 ft. 8 in.)	4.17 m (13 ft. 8 in.)	4.49 m (14 ft. 9 in.)	4.49 m (14 ft. 9 in.)
H Dump Clearance, 45 deg., Full Height	2.76 m (9 ft. 1 in.)	2.76 m (9 ft. 1 in.)	3.10 m (10 ft. 2 in.)	3.04 m (10 ft. 0 in.)	3.47 m (11 ft. 4 in.)	3.41 m (11 ft. 2 in.)
I Reach, 45-deg. Dump, Full Height	1.06 m (3 ft. 6 in.)	1.06 m (3 ft. 6 in.)	1.13 m (3 ft. 8 in.)	1.19 m (3 ft. 11 in.)	1.13 m (3 ft. 8 in.)	1.19 m (3 ft. 11 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.53 m (5 ft. 0 in.)	1.53 m (5 ft. 0 in.)	1.83 m (6 ft. 0 in.)	1.86 m (6 ft. 1 in.)	2.13 m (7 ft. 0 in.)	2.16 m (7 ft. 1 in.)
K Maximum Digging Depth	0.11 m (4 in.)	0.11 m (4 in.)	0.20 m (8 in.)	0.21 m (8 in.)	0.20 m (8 in.)	0.21 m (8 in.)
L Maximum Rollback at Ground Level	44 deg.	44 deg.	48 deg.	48 deg.	49 deg.	49 deg.
M Maximum Rollback, Boom Fully Raised	60 deg.	60 deg.	60 deg.	60 deg.	61 deg.	61 deg.
N Maximum Bucket Dump Angle, Fully Raised	48 deg.	48 deg.	46 deg.	46 deg.	45 deg.	45 deg.
Loader Clearance Circle, Bucket Carry Position	11.48 m (37 ft. 8 in.)	11.61 m (38 ft. 1 in.)	11.70 m (38 ft. 5 in.)	11.73 m (38 ft. 6 in.)	12.19 m (40 ft. 0 in.)	12.24 m (40 ft. 2 in.)
Specifications With Bucket With Bolt-On Edge						
Capacity, Heaped	2.3 m ³ (3.0 cu. yd.)	2.5 m ³ (3.25 cu. yd.)	2.1 m ³ (2.75 cu. yd.)	2.3 m ³ (3.0 cu. yd.)	2.1 m ³ (2.75 cu. yd.)	2.3 m ³ (3.0 cu. yd.)
Capacity, Struck	1.9 m ³ (2.5 cu. yd.)	2.1 m ³ (2.7 cu. yd.)	1.7 m ³ (2.3 cu. yd.)	1.9 m ³ (2.5 cu. yd.)	1.7 m ³ (2.3 cu. yd.)	1.9 m ³ (2.5 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	990 kg (2,183 lb.)	1021 kg (2,251 lb.)	938 kg (2,068 lb.)	990 kg (2,183 lb.)	938 kg (2,068 lb.)	990 kg (2,183 lb.)
Bucket Width	2.55 m (8 ft. 4 in.)	2.69 m (8 ft. 10 in.)	2.55 m (8 ft. 4 in.)	2.55 m (8 ft. 4 in.)	2.55 m (8 ft. 4 in.)	2.55 m (8 ft. 4 in.)
Breakout Force	11 074 kg (24,414 lb.)	11 055 kg (24,372 lb.)	11 743 kg (25,889 lb.)	10 953 kg (24,147 lb.)	11 872 kg (26,173 lb.)	11 074 kg (24,414 lb.)
Tipping Load, Straight, No Tire Deflection	11 061 kg (24,385 lb.)	11 027 kg (24,310 lb.)	9687 kg (21,356 lb.)	9569 kg (21,096 lb.)	8587 kg (18,931 lb.)	8484 kg (18,704 lb.)
Tipping Load, Straight, With Tire Deflection	10 473 kg (23,089 lb.)	10 440 kg (23,016 lb.)	9231 kg (20,351 lb.)	9111 kg (20,086 lb.)	8214 kg (18,109 lb.)	8106 kg (17,871 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	9580 kg (21,120 lb.)	9546 kg (21,045 lb.)	8361 kg (18,433 lb.)	8251 kg (18,190 lb.)	7375 kg (16,259 lb.)	7278 kg (16,045 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	8814 kg (19,432 lb.)	8781 kg (19,359 lb.)	7758 kg (17,103 lb.)	7644 kg (16,852 lb.)	6876 kg (15,159 lb.)	6780 kg (14,947 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, No Tire Deflection (conforms to ISO 14397-1)*	4790 kg (10,560 lb.)	4773 kg (10,523 lb.)	4180 kg (9,216 lb.)	4125 kg (9,095 lb.)	3688 kg (8,130 lb.)	3639 kg (8,023 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	4407 kg (9,716 lb.)	4391 kg (9,679 lb.)	3879 kg (8,552 lb.)	3822 kg (8,426 lb.)	3438 kg (7,579 lb.)	3390 kg (7,474 lb.)
Operating Weight	13 582 kg (29,943 lb.)	13 613 kg (30,011 lb.)	13 736 kg (30,283 lb.)	13 787 kg (30,395 lb.)	13 899 kg (30,642 lb.)	13 950 kg (30,754 lb.)

Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 4045 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.

*Rated operating capacity based on Deere attachments only.

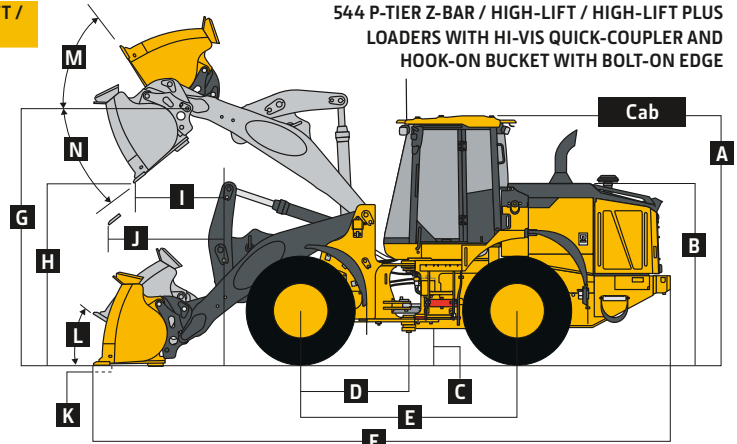
544 P-TIER

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Dimensions and Specifications With Hi-Vis Coupler and Hook-On Bucket With Bolt-On Edge

544 P-TIER Z-BAR / HIGH-LIFT / HIGH-LIFT PLUS

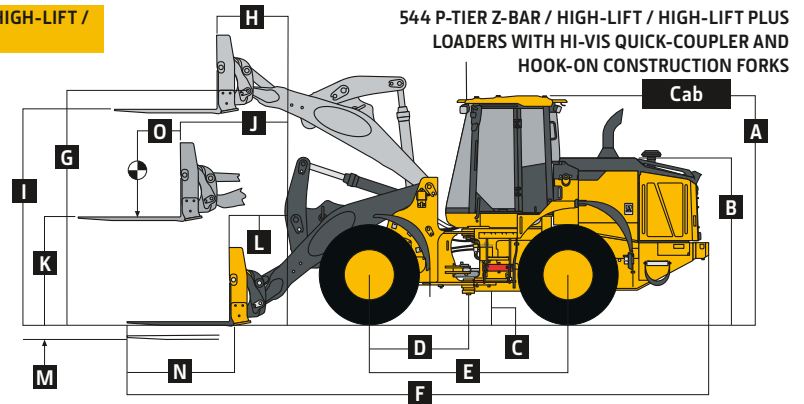
544 P-TIER Z-BAR / HIGH-LIFT / HIGH-LIFT PLUS LOADERS WITH HI-VIS QUICK-COUPLER AND HOOK-ON BUCKET WITH BOLT-ON EDGE



	Z-Bar 2.3-m³ (3.0 cu. yd.) <i>enhanced performance</i>	Z-Bar 2.5-m³ (3.25 cu. yd.) <i>enhanced performance</i>	Z-Bar 3.4-m³ (4.5 cu. yd.) <i>light material</i>	High-Lift 2.1-m³ (2.75 cu. yd.) <i>enhanced performance</i>	High-Lift 2.3-m³ (3.0 cu. yd.) <i>enhanced performance</i>	High-Lift 3.1-m³ (4.0 cu. yd.) <i>light material</i>	High-Lift Plus 1.9-m³ (2.5 cu. yd.) <i>enhanced performance</i>	High-Lift Plus 3.1-m³ (4.0 cu. yd.) <i>light material</i>
Dimensions With Bucket With Bolt-On Edge (illustration above right)								
A Height to Top of Cab	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)
B Hood Height	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)
C Ground Clearance	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)
D Length From Centerline to Front Axle	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)
E Wheelbase	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)
F Overall Length, Bucket on Ground	7.63 m (25 ft. 0 in.)	7.71 m (25 ft. 4 in.)	7.83 m (25 ft. 8 in.)	8.02 m (26 ft. 4 in.)	8.02 m (26 ft. 4 in.)	8.08 m (26 ft. 6 in.)	8.29 m (27 ft. 2 in.)	8.45 m (27 ft. 9 in.)
G Height to Hinge Pin, Fully Raised	3.89 m (12 ft. 9 in.)	3.89 m (12 ft. 9 in.)	3.89 m (12 ft. 9 in.)	4.17 m (13 ft. 8 in.)	4.17 m (13 ft. 8 in.)	4.17 m (13 ft. 8 in.)	4.49 m (14 ft. 9 in.)	4.49 m (14 ft. 9 in.)
H Dump Clearance, 45 deg., Full Height	2.71 m (8 ft. 11 in.)	2.66 m (8 ft. 9 in.)	2.58 m (8 ft. 6 in.)	3.00 m (9 ft. 10 in.)	3.00 m (9 ft. 10 in.)	2.96 m (9 ft. 9 in.)	3.43 m (11 ft. 3 in.)	3.28 m (10 ft. 9 in.)
I Reach, 45-deg. Dump, Full Height	1.11 m (3 ft. 8 in.)	1.16 m (3 ft. 10 in.)	1.25 m (4 ft. 1 in.)	1.24 m (4 ft. 1 in.)	1.24 m (4 ft. 1 in.)	1.29 m (4 ft. 3 in.)	1.17 m (3 ft. 10 in.)	1.33 m (4 ft. 5 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.56 m (5 ft. 1 in.)	1.58 m (5 ft. 2 in.)	1.62 m (5 ft. 4 in.)	1.89 m (6 ft. 3 in.)	1.89 m (6 ft. 3 in.)	1.92 m (6 ft. 4 in.)	2.16 m (7 ft. 1 in.)	2.23 m (7 ft. 4 in.)
K Maximum Digging Depth	0.11 m (4 in.)	0.11 m (4 in.)	0.11 m (5 in.)	0.20 m (8 in.)	0.20 m (8 in.)	0.20 m (8 in.)	0.20 m (8 in.)	0.21 m (8 in.)
L Maximum Rollback at Ground Level	44 deg.	44 deg.	44 deg.	48 deg.	48 deg.	48 deg.	49 deg.	49 deg.
M Maximum Rollback, Boom Fully Raised	60 deg.	60 deg.	60 deg.	60 deg.	60 deg.	60 deg.	61 deg.	61 deg.
N Maximum Bucket Dump Angle, Fully Raised	48 deg.	48 deg.	48 deg.	46 deg.	46 deg.	46 deg.	45 deg.	45 deg.
Loader Clearance Circle, Bucket Carry Position	11.63 m (38 ft. 2 in.)	11.66 m (38 ft. 3 in.)	11.89 m (39 ft. 0 in.)	11.75 m (38 ft. 7 in.)	11.88 m (39 ft. 0 in.)	12.08 m (39 ft. 8 in.)	12.23 m (40 ft. 2 in.)	12.61 m (41 ft. 4 in.)
Specifications With Bucket With Bolt-On Edge								
Capacity, Heaped	2.3 m³ (3.0 cu. yd.)	2.5 m³ (3.25 cu. yd.)	3.4 m³ (4.5 cu. yd.)	2.1 m³ (2.75 cu. yd.)	2.3 m³ (3.0 cu. yd.)	3.1 m³ (4.0 cu. yd.)	1.9 m³ (2.5 cu. yd.)	3.1 m³ (4.0 cu. yd.)
Capacity, Struck	1.9 m³ (2.4 cu. yd.)	2.1 m³ (2.7 cu. yd.)	2.9 m³ (3.8 cu. yd.)	1.9 m³ (2.4 cu. yd.)	1.9 m³ (2.4 cu. yd.)	2.5 m³ (3.3 cu. yd.)	1.6 m³ (2.1 cu. yd.)	2.5 m³ (3.3 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	945 kg (2,083 lb.)	983 kg (2,167 lb.)	1294 kg (2,853 lb.)	900 kg (1,984 lb.)	945 kg (2,083 lb.)	1234 kg (2,721 lb.)	840 kg (1,852 lb.)	1234 kg (2,721 lb.)
Bucket Width	2.68 m (8 ft. 10 in.)	2.68 m (8 ft. 10 in.)	2.89 m (9 ft. 6 in.)	2.55 m (8 ft. 4 in.)	2.68 m (8 ft. 10 in.)	2.89 m (9 ft. 6 in.)	2.55 m (8 ft. 4 in.)	2.89 m (9 ft. 6 in.)
Breakout Force	10 386 kg (22,897 lb.)	9764 kg (21,526 lb.)	8764 kg (19,321 lb.)	10 290 kg (22,686 lb.)	10 271 kg (22,644 lb.)	9581 kg (21,122 lb.)	11 213 kg (24,720 lb.)	9690 kg (21,363 lb.)
Tipping Load, Straight, No Tire Deflection	10 328 kg (22,769 lb.)	10 206 kg (22,500 lb.)	9820 kg (21,649 lb.)	8948 kg (19,727 lb.)	8923 kg (19,672 lb.)	8616 kg (18,995 lb.)	8031 kg (17,705 lb.)	7586 kg (16,724 lb.)
Tipping Load, Straight, With Tire Deflection	9768 kg (21,535 lb.)	9651 kg (21,277 lb.)	9240 kg (20,371 lb.)	8508 kg (18,757 lb.)	8481 kg (18,697 lb.)	8160 kg (17,990 lb.)	7671 kg (16,912 lb.)	7209 kg (15,893 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	8898 kg (19,617 lb.)	8787 kg (19,372 lb.)	8399 kg (18,517 lb.)	7671 kg (16,912 lb.)	7646 kg (16,857 lb.)	7334 kg (16,169 lb.)	6852 kg (15,106 lb.)	6409 kg (14,129 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	8169 kg (18,010 lb.)	8058 kg (17,765 lb.)	7641 kg (16,846 lb.)	7089 kg (15,629 lb.)	7062 kg (15,569 lb.)	6729 kg (14,835 lb.)	6366 kg (14,035 lb.)	5904 kg (13,016 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, No Tire Deflection (conforms to ISO 14397-1)*	4449 kg (9,808 lb.)	4393 kg (9,686 lb.)	4200 kg (9,258 lb.)	3836 kg (8,456 lb.)	3823 kg (8,428 lb.)	3667 kg (8,084 lb.)	3426 kg (7,553 lb.)	3204 kg (7,065 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	4085 kg (9,005 lb.)	4029 kg (8,882 lb.)	3821 kg (8,423 lb.)	3545 kg (7,814 lb.)	3531 kg (7,785 lb.)	3365 kg (7,417 lb.)	3183 kg (7,017 lb.)	2952 kg (6,508 lb.)
Operating Weight	13 969 kg (30,796 lb.)	14 007 kg (30,880 lb.)	14 388 kg (31,720 lb.)	14 146 kg (31,187 lb.)	14 174 kg (31,248 lb.)	14 512 kg (31,993 lb.)	14 252 kg (31,420 lb.)	14 675 kg (32,353 lb.)
Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 4045 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments. / *Rated operating capacity based on Deere attachments only.								

Dimensions and Specifications With Hi-Vis Coupler and Hook-On Construction Forks

544 P-TIER Z-BAR / HIGH-LIFT / HIGH-LIFT PLUS



	Z-Bar	Z-Bar	High-Lift	High-Lift	High-Lift Plus	High-Lift Plus
Dimensions With Forks (illustration above right)	1.52-m (60 in.)	1.83-m (72 in.)	1.52-m (60 in.)	1.83-m (72 in.)	1.52-m (60 in.)	1.83-m (72 in.)
	<i>tine length</i>	<i>tine length</i>	<i>tine length</i>	<i>tine length</i>	<i>tine length</i>	<i>tine length</i>
A Height to Top of Cab	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)	3.32 m (10 ft. 11 in.)
B Hood Height	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)	2.40 m (7 ft. 10 in.)
C Ground Clearance	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)
D Length From Centerline to Front Axle	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)	1.45 m (4 ft. 9 in.)
E Wheelbase	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)	2.93 m (9 ft. 7 in.)
F Overall Length, Forks on Ground	8.27 m (27 ft. 2 in.)	8.58 m (28 ft. 2 in.)	8.66 m (28 ft. 5 in.)	8.97 m (29 ft. 5 in.)	9.03 m (29 ft. 8 in.)	9.34 m (30 ft. 8 in.)
G Height to Hinge Pin, Fully Raised	3.89 m (12 ft. 9 in.)	3.89 m (12 ft. 9 in.)	4.17 m (13 ft. 8 in.)	4.17 m (13 ft. 8 in.)	4.49 m (14 ft. 9 in.)	4.49 m (14 ft. 9 in.)
H Reach, Fully Raised	0.80 m (31 in.)	0.80 m (31 in.)	0.92 m (3 ft. 0 in.)	0.92 m (3 ft. 0 in.)	0.97 m (3 ft. 2 in.)	0.97 m (3 ft. 2 in.)
I Fork Height, Fully Raised	3.56 m (11 ft. 8 in.)	3.56 m (11 ft. 8 in.)	3.84 m (12 ft. 7 in.)	3.84 m (12 ft. 7 in.)	4.16 m (13 ft. 8 in.)	4.16 m (13 ft. 8 in.)
J Maximum Reach, Fork Level	1.59 m (5 ft. 3 in.)	1.59 m (5 ft. 3 in.)	1.89 m (6 ft. 2 in.)	1.89 m (6 ft. 2 in.)	2.16 m (7 ft. 1 in.)	2.16 m (7 ft. 1 in.)
K Fork Height, Maximum Reach	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)
L Reach, Ground Level	1.03 m (3 ft. 5 in.)	1.03 m (3 ft. 5 in.)	1.40 m (4 ft. 7 in.)	1.40 m (4 ft. 7 in.)	1.72 m (5 ft. 8 in.)	1.72 m (5 ft. 8 in.)
M Depth Below Ground	91 mm (4 in.)	91 mm (4 in.)	190 mm (7 in.)	190 mm (7 in.)	195 mm (8 in.)	195 mm (8 in.)
N Tine Length	1.52 m (60 in.)	1.83 m (72 in.)	1.52 m (60 in.)	1.83 m (72 in.)	1.52 m (60 in.)	1.83 m (72 in.)
O Load Position, 50% Tine Length	0.76 m (30 in.)	0.91 m (3 ft. 0 in.)	0.76 m (30 in.)	0.91 m (3 ft. 0 in.)	0.76 m (30 in.)	0.91 m (3 ft. 0 in.)
Specifications With Forks						
Tipping Load, Straight, No Tire Deflection	7207 kg (15,889 lb.)	6798 kg (14,987 lb.)	6452 kg (14,224 lb.)	6105 kg (13,459 lb.)	5847 kg (12,890 lb.)	5544 kg (12,222 lb.)
Tipping Load, Straight, With Tire Deflection	7014 kg (15,463 lb.)	6621 kg (14,597 lb.)	6288 kg (13,863 lb.)	5952 kg (13,122 lb.)	5697 kg (12,560 lb.)	5397 kg (11,898 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	6200 kg (13,669 lb.)	5839 kg (12,873 lb.)	5521 kg (12,172 lb.)	5214 kg (11,495 lb.)	4971 kg (10,959 lb.)	4704 kg (10,371 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	5937 kg (13,089 lb.)	5595 kg (12,335 lb.)	5289 kg (11,660 lb.)	4995 kg (11,012 lb.)	4767 kg (10,509 lb.)	4518 kg (9,960 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1 and SAE J1197)*	2969 kg (6,546 lb.)	2798 kg (6,169 lb.)	2645 kg (5,831 lb.)	2498 kg (5,507 lb.)	2384 kg (5,256 lb.)	2259 kg (4,980 lb.)
Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load, With Tire Deflection (conforms to EN474-3)*	3562 kg (7,853 lb.)	3357 kg (7,401 lb.)	3173 kg (6,995 lb.)	2997 kg (6,607 lb.)	2860 kg (6,305 lb.)	2711 kg (5,977 lb.)
Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load, With Tire Deflection (conforms to EN474-3)*	4750 kg (10,472 lb.)	4476 kg (9,868 lb.)	4231 kg (9,328 lb.)	3996 kg (8,810 lb.)	3814 kg (8,408 lb.)	3614 kg (7,967 lb.)
Operating Weight	13 932 kg (30,715 lb.)	13 992 kg (30,847 lb.)	14 137 kg (31,167 lb.)	14 197 kg (31,299 lb.)	14 301 kg (31,528 lb.)	14 361 kg (31,661 lb.)
Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 4045 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.						

*Rated operating capacity based on Deere attachments only.

Adjustments to Operating Weights and Tipping Loads With Buckets

Adjustments to operating weights, tipping loads, and tires are based on Z-Bar machine with pin-on 2.3-m³ (3.0 cu. yd.) enhanced-performance bucket with bolt-on cutting edge, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator*

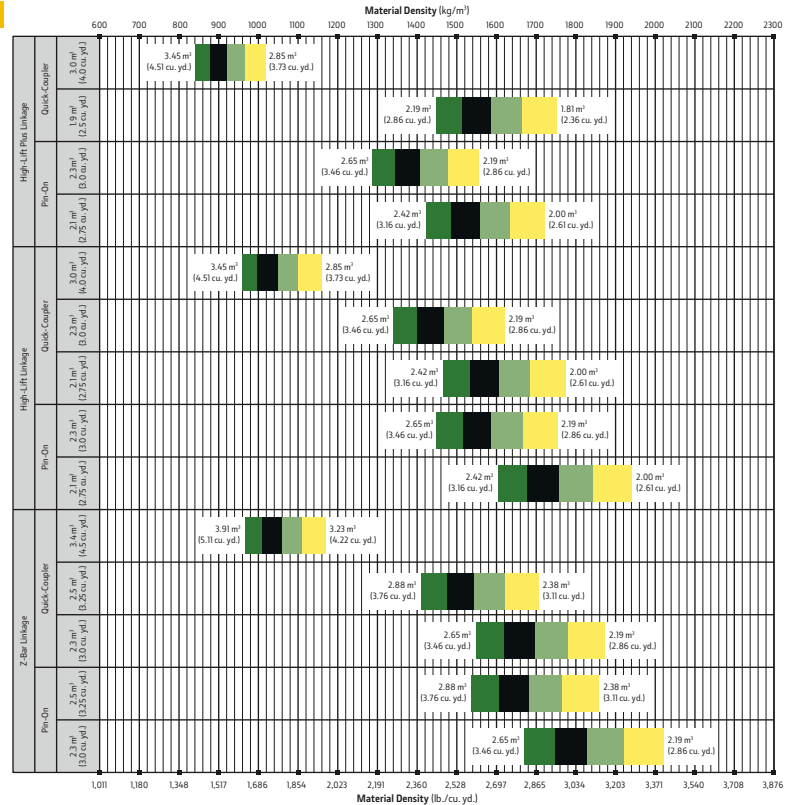
Add (+) or deduct (-) kg (lb.) as indicated for loaders with 3-piece rims	Operating Weight	Tipping Load, Straight	Tipping Load, 40-deg. Full Turn	Tread Width	Width Over Tires	Vertical Height
Bridgestone 20.5 R 25, 1 Star L-3 VJT	0 kg (0 lb.)	0 kg (0 lb.)	0 kg (0 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)
Firestone 20.5-25, 16 PR L-2 SGG	-277 kg (-611 lb.)	-193 kg (-425 lb.)	-170 kg (-375 lb.)	+0 mm (+0 in.)	+7 mm (+0.3 in.)	-64 mm (-2.5 in.)
Continental 20.5 R 25, 1-Star L-3 EM-Master	+131 kg (+289 lb.)	+91 kg (+201 lb.)	+80 kg (+176 lb.)	+0 mm (+0 in.)	+2 mm (+0.1 in.)	-19 mm (-0.7 in.)
CaCl ₂ in 20.5-25, L-3 Rear Tires, 75% Fill	+825 kg (+1,820 lb.)	+1157 kg (+2,551 lb.)	+1020 kg (+2,250 lb.)	N/A	N/A	N/A

*May change based on vehicle configuration, weight, or tire-pressure adjustments.

Bucket Selection Guides 544 P-TIER Z-BAR / HIGH-LIFT / HIGH-LIFT PLUS

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	1442	2,430
Granite, broken	1538	2,592	(1.5 to 3.5 in.) size	1602	2,700
Gypsum	2275	3,834	Stone or gravel, 18.75-mm (0.75 in.) size		

Bucket Fill Factors



Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

544

P-TIER Engine

- Wet-sleeve cylinder liners
- Programmable auto-idle and auto shutdown
- Selected idle adjustment from 900–1,250 rpm
- Starter excessive-cranking protection
- Automatic engine cool-down timer
- Automatic derating for exceeded system temperatures
- Serpentine drive belt for automatic tensioner
- Electrical fuel-priming pump
- Dual-stage fuel filter and water separator
- 500-hour vertical spin-on oil filter
- ▲ Engine-compartment light
- ▲ Chrome exhaust stack
- Automatic glow plugs for cold start
- ▲ Engine-block heater (recommended for cold starts below –23 deg. C [–10 deg. F])
- ▲ Centrifugal engine air pre-cleaner
- ▲ Throttle lock

Powertrain

- Clutch cutoff with 4 operator settings: Automatic, level ground, small slope, or steep slope
- Programmable maximum high gear
- Clutch calibration engaged from monitor
- 2,000-hour vertical spin-on transmission filter
- Transmission fill tube and sight gauge
- Transmission diagnostic ports

544

P-TIER Powertrain (continued)

- ▲ 5-speed transmission with non-lockup torque converter
- 5-speed transmission with lockup torque converter
- Front locking differential
- ▲ Rear locking differential
- Brake retractors and adjusters
- ▲ Automatic differential lock
- Axle oil temperature sensing
- ▲ Wheel-spin control

Quad-Cool™ Cooling System

- Heavy-duty, trash-resistant radiator and high-ambient cooling package
- 2-side access to all coolers
- Isolated from engine compartment
- Engine radiator
- Engine oil cooler
- Hydraulic oil cooler (oil to air)
- Transmission oil cooler (oil to air)
- Charge air cooler (air to air)
- Fuel cooler
- Coolant recovery tank
- Antifreeze, –37 deg. C (–34 deg. F)
- Cool-on-demand, hydraulically driven, swing-out fan
- Enclosed fan safety guard
- ▲ Automatic reversing fan drive
- ▲ Axle and service-brake coolers

544

P-TIER Hydraulics

- Electrohydraulic (EH) controls with soft stops and adjustable settings
- In-cab adjustable automatic return-to-dig bucket positioner
- In-cab adjustable automatic boom-height kickout/return to carry
- Reservoir with sight gauge and fill strainer
- Hydraulic diagnostic ports
- 4,000-hour in-tank filter
- 2 function – joystick with F-N-R
- ▲ 2 function – 2-lever fingertip controls and steering column F-N-R
- ▲ 3 function – joystick with F-N-R and integrated 3rd-function roller
- ▲ 3 function – 3-lever fingertip controls and steering column F-N-R
- ▲ 4 function – joystick with F-N-R and integrated 3rd/4th-function rollers
- Programmable multifunction buttons (2)
- Adjustable and continuous hydraulic-flow settings
- Programmable attachment settings
- ▲ Ride control, automatic with monitor-adjustable speed settings
- ▲ Hydraulic control system for quick-coupler locking pins
- ▲ Hydra™ XR cold-temperature hydraulic fluid recommended below –25 deg. C (–13 deg. F)

Additional equipment *(cont.)*

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

544
P-TIER Steering Systems
● Conventional steering wheel with spinner knob
▲ Secondary steering
Electrical
● Solid-state electrical power-distribution system
● Lockable master electrical-disconnect switch
● Battery-terminal safety covers
● By-pass start safety cover at starter
● Remote jump-start access in battery box
● Pre-wired for beacon/strobe light
● Lights: Halogen driving lights with guards (2) / Front (4), rear cab (2), and rear grille (2) work lights / LED front turn signals and flashers / LED stop- and taillights
▲ Premium LED light package (all exterior lights are heavy-duty LED)
● Programmable courtesy lights
● Horn, electric
● Reverse warning alarm
● Multifunction/multi-language 178-mm (7 in.) LCD color monitor includes: Digital instruments — Analog display (hydraulic oil temperature, engine coolant temperature, transmission oil temperature, and engine oil pressure) / Digital display (engine rpm, transmission gear/direction indicator, hour meter, fuel level, diesel exhaust fluid (DEF) level, speedometer, odometer, and average fuel consumption)
▲ Multifunction/multi-language 127-mm (5 in.) LCD color monitor includes: Digital instruments — Analog display (hydraulic oil temperature, engine coolant temperature, transmission oil temperature, and engine oil pressure) / Digital display (engine rpm, transmission gear/direction indicator, hour meter, fuel level, DEF level, speedometer, odometer, and average fuel consumption)
▲ Integrated cycle counter with 5 categories
● Indicator lights: Standard and selected options / Amber caution and red stop
● Operator-warning messages
● Built-in diagnostics: Diagnostic-code details / Sensor values / Calibrations / Individual circuit tester
▲ Electrical corrosion-prevention package
● Standard AM/FM/Weather-Band (WB) radio with remote auxiliary port
▲ Premium AM/FM/WB radio with Bluetooth®, remote auxiliary port, and remote USB port (premium cab only)
● 24- to 12-volt, 8-amp converter and cab power ports (3)
▲ 24- to 12-volt, 15- or 30-amp converter and cab power ports (3)

544
P-TIER Operator's Station
● Standard cab with air conditioning/heater (ROPS/FOPS Level 1, isolation mounted)
▲ Premium cab with air conditioning/heater (ROPS/FOPS Level 1, isolation mounted)
▲ Automatic temperature control (premium cab only)
● Rear window defrost vent
● Keyless start with multiple security modes
● Sealed-switch module with function indicators
● Seat with backrest extension, deep foam, fabric cover, and adjustable air suspension
▲ Premium seat with high-wide back- and headrest extension, heated and ventilated, leather/fabric cover, and adjustable heavy-duty air suspension
● Hydraulic controls integrated to seat
● High-visibility, bright-orange seat belt, 76 mm (3 in.), with retractor
▲ 4-point seat-belt harness
▲ Seat-belt indicator beacon light
● Cup holder and cup/Thermos® holder with retaining strap
● Lunch-box/cooler holder with tie-down brackets
● Coat hook
● LED dome and reading light
● Rubber floor mat
● Dual-tilt steering column
● Operator's manual storage compartment
● Outside (2) and inside (1) rearview mirrors
▲ Heated outside mirrors with convex lens
▲ In-cab adjustable heated outside mirrors with convex lens (premium cab only)
● Left-side operator-station access
● Fall-arrest system anchor points tested to 2268 kg (5,000 lb.) on front of cab
● Slip-resistant steps and ergonomic handholds
● Pull-down front sun visor
● Front and rear intermittent windshield wipers and washers
▲ Powered cab air pre-cleaner
▲ Beacon bracket only
▲ Beacon bracket with strobe beacon
● Rearview camera
▲ Rearview camera with radar object-detection system
▲ Dedicated 178-mm (7 in.) rear camera display
▲ Advanced Object Detection
▲ Advanced Vision System
● Payload scale ready
▲ SmartWeigh™ ready + trial
▲ SmartWeigh

544
P-TIER Operator's Station (continued)
▲ SmartDetect™
▲ SmartDetect™ Digital
▲ Fire extinguisher
Loader Linkage
● Z-Bar loader linkage (parallel lift)
▲ High-Lift Z-Bar loader linkage (parallel lift)
▲ High-Lift Plus Z-Bar loader linkage (parallel lift)
Buckets and Attachments
▲ Full line of Deere pin-on buckets, coupler buckets, and forks
▲ John Deere hydraulic coupler that accepts JRB-pattern attachments
▲ Hi-Vis hydraulic coupler that accepts Euro-pattern attachments (ISO)
Overall Vehicle
● JDLink™ wireless communication system (available in specific countries; see your dealer for details)
● NeverGrease™ rear-axle oscillation
● Front and rear tie-downs
● Rear cast bumper/counterweight with rear hitch and locking pin
● Articulation locking bar
● Loader boom service locking bar
● 40-deg. steering articulation to each side with rubber-cushion stops on frame
● Vandal protection with lockable engine enclosures, right counterweight storage, and filler access for radiator/fuel/DEF/hydraulic transmission
● Left-side service steps and handholds
▲ Right-side service steps and handrails
▲ Left-side close-mounted steps
● Storage compartment
● Fuel-tank fill strainer
● Heavy-duty fuel-tank guard
● Ground-level fuel and DEF fill
● Same-side ground-level daily servicing
● 20.5R25 tires on 3-piece rims
▲ Ag material-handling package
▲ Environmental drains and sample ports for engine, transmission, hydraulic oils, and engine coolant
● Fenders, front narrow
▲ Fenders, front full width
▲ Fenders, front and rear full width
▲ Fenders, front and rear full width with mud flaps
▲ Less wheels and tires with axle stops
▲ Rims less tires
▲ Transmission side-frame and bottom guards
▲ Lift eyes
▲ License-plate bracket and light

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 test conditions per ISO 9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Specifications with the exception of bucket capacity are in accordance with all applicable ISO standards. Except where otherwise noted, these specifications are based on a unit with applicable linkage and standard equipment, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator.



MW544PBU (25-05)



JOHN DEERE