

HN DEEP

DEERE





DEERE

ON THE CUTTING EDGE.

The multipurpose 644 X-Tier Wheel Loader is designed and purpose built to take it on and go beyond. With its combined innovative E-Drive and PowerShift[™] transmission system that delivers strong pushing power and fast ramp-climbing ability, tasks ranging from loading trucks to maintaining stockpiles to heaping hoppers can be accomplished with efficiency and ease. And this impressive iron runs quiet, too. The 644 X tier is packed to the max with the state-of-the-art technology and innovative features that can help take your operation to new heights of productivity and performance.

Power without compromise

Choose between variable and constant engine speeds in normal and performance modes. Drivetrain and hydraulic functions are powerful, responsive, and quick, to deliver exceptional productivity in the most demanding applications.

E-Drive innovation

Innovative E-Drive transmission system delivers premium performance and efficiency. System includes an engine-driven generator plus an inverter to control the electric motor that drives a simplified PowerShift transmission.

Move more with less

Efficiency is outstanding, with up to 18-percent more tons moved per gallon of fuel burned than top competitors.*

*As measured in a closed-circuit test conducted in September 2020 against similarly equipped top competitors. All machines were operated at maximum productivity in controlled conditions.



FIND YOUR FIT



LEADING EDGE Premium edge with innovative technology

EXCEPTIONAL PERFORMANCE Advanced features and performance

RUGGED AND RELIABLE Proven capabilities and value



Smooth operator

Purpose built PowerShift transmission provides smooth control through four forward speed ranges. Direction changes are accomplished by the electric motor, completely eliminating shifting in some truckloading applications.

The bucket list

A wide-ranging selection of enhanced production buckets with integrated spill guards, curved side cutters, and impressive rollback maximizes buc et fill performance and material retention. Choose from hi-vis and

style couplers to ma imi e eet versatility and machine utilization.

Make a good impression

unning wide open at , 00 rpm, the in cab noise rating is ust 0 d Reduced exterior noise makes the 644 X tier a great choice when working in residential areas.

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Field proven

John Deere E-Drive technology in our 644 and 944 Wheel Loaders has collectively logged over two million field hours a testament to the durability and performance of our transmission components and systems.

The coast is clear

Coast-control feature slows the loader down without the operator having to touch a pedal, helping extend service-brake wear life.

Time to take sides

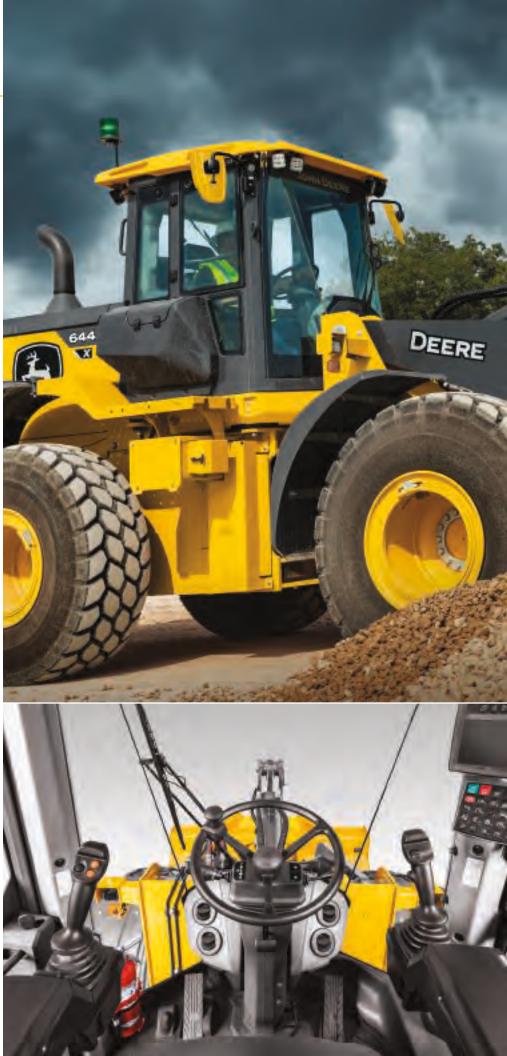
All daily service points including fuel are conveniently grouped on the left side of the machine at ground level, for easy access. Hinged doors enable wide-open access to the engine, cooling system, and other components.

Creature comforts

Spacious cab boasts ample legroom and features ergonomically placed controls, foot pedals, and sealedswitch module. Seat-mounted hydraulic controls include two programmable multifunction buttons and intuitive electrohydraulic (EH) controls.

Integrated controls

With the capacity to control up to six functions on the single hydraulic joystick, cycle times and productivity when using hydraulic attachments are improved.





INNOVATIVE

POWERFUL

644 X-TIER WHEEL LOADER





Remote diagnostics and support

To maximize uptime and lower costs, JDLink[™] telematics provides machine location, utilization data, and alerts to help you ma imi e productivity and efficiency. in also enables ohn eere onnected Support ealers use Expert Alerts based on data from thousands of connected machines to proactively address conditions that may otherwise li ely lead to downtime. our dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time consuming trip to the obsite.

vailability varies by region. ptions not available in every country.



644 X-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 Manufacturer and Model	644 X-TIER Z-BAR / HIGH-LIFT John Deere PowerTech™ PSS 6068	Net Peak Torque (ISO 9249)	1095 Nm (808 lbft.) at 1,500 rpm
		Net Torque Rise	•
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V		36%
Cylinders	6	Fuel System (electronically controlled)	High-pressure common rail
Valves Per Cylinder	4	Lubrication	ull ow spin on filter and integral cooler
Displacement	6.8 L (415 cu. in.)	Aspiration	Turbocharged, charge air cooled
Net Peak Power (ISO 9249)	172 kW (231 hp) at 1,500 rpm	Air Cleaner	Under-hood, dual-element dry type, restric
Gross Peak Power (ISO 9249)	178 kW (238 hp) at 1,500 rpm		tion indicator in cab monitor for service
Cooling			
Fan Drive	Hydraulically driven, proportionally contr	rolled, fan aft of coolers	
Electrical			
Electrical System	24 volt with 140-amp alternator		
Batteries (2 – 12 volt)	950 CCA (each)		
Transmission System			
Туре	Countershaft-type PowerShift [™]		
Motor/Generator	Brushless A/C		
Inverter	Solid-state power		
Shift Control	Electronically modulated, adaptive, load	and speed dependent	
Operator Interface		I-R and gear-select lever; Quick-Shift buttor	n on hydraulic lever
Shift Modes		ift button with 2 selectable modes: kick-dov	
	clutch cutoff settings		, ,
	Standard 3-Speed Hybrid-Electric Drive (I	E-Drive)	
Maximum Travel Speeds		,	
(with 23.5 R 25 tires)	Forward	Reverse	
Range 1	7.5 km/h (4.5 mph)	7.5 km/h (4.5 mph)	
Range 2	14.0 km/h (8.7 mph)	14.0 km/h (8.7 mph)	
Range 3	25.0 km/h (15.5 mph)	25.0 km/h (15.5 mph)	
Range 4	40.0 km/h (24.9 mph)	40.0 km/h (24.9 mph)	
Axles/Brakes	40.0 km/m (24.9 mpm)	40.0 km/11 (24.9 mpn)	
	Lippur duty inheard mounted algorithms		
Final Drives	Heavy-duty inboard-mounted planetary		
Differentials		l rear – standard; dual locking front and rea	r – optional
Rear Axle Oscillation, Stop to Stop	26 deg. (13 deg. each direction)		
(with 23.5 R 25 tires)			
Brakes (conform to ISO 3450)			P
Service		t mounted, oil cooled, self adjusting, single	
Parking	Automatic spring applied, hydraulically re	eleased, transmission integrated, oil cooled,	multidisc
Tires/Wheels			
(see page 9 for complete tire adjustments)			
	Tread Width	Width Over Tires	
Michelin 23.5 R 25, 1 Star L-3	2170 mm (85.4 in.)	2875 mm (113.2 in.)	
Serviceability			
Refill Capacities		Refill Capacities (continued)	
Fuel Tank (with lockable cap)	350 L (92.6 gal.)	Engine Oil With Vertical Spin-On Filter	27 L (28.5 qt.)
Diesel Exhaust Fluid (DEF)	18.5 L (19.5 qt.)	Transmission Reservoir With Vertical Filter	32 L (34 qt.)
Cooling System	63 L (67 qt.)	Axle Oil (front and rear, each)	22 L (23 qt.)
Inverter	5.7 L (6.0 qt.)	Hydraulic Reservoir and Filter	103.4 L (27.3 gal.)
Hydraulic System/Steering			
Pump (loader and steering)	Variable-displacement, axial-piston pum	p; closed-center, pressure-compensating sys	stem
Maximum Rated Flow at 6895 kPa	265 L/m (70 gpm)		
(1,000 psi) and 1,939 rpm			
System Relief Pressure (loader and	25 166 kPa (3,650 psi)		
steering)	25 100 m a (5)050 p50		
Loader Controls	function valve oystic control or finge with auxiliary lever	ertip controls hydraulic function enable dis	able optional rd and th function valve
Steering (conforms to ISO 5010)			
	Power fully hydraulic		
Туре	Power, fully hydraulic		
	Power, fully hydraulic 80-deg. arc (40 deg. each direction) 5.64 m (18 ft. 6 in.)		

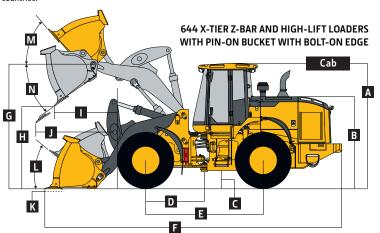
644 X-TIER WHEEL LOADER SPECIFICATIONS





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Hydraulic System/Steering (continued)	644 X-TIER	Z-BAR / HIGH-LIFT
Hydraulic Cycle Times	Z-Bar	High-Lift
Raise	6.2 sec.	6.2 sec.
Dump	1.7 sec.	1.7 sec.
Lower (power down)	3.8 sec.	4.0 sec.
Total	11.7 sec.	11.9 sec.
c et Capacit Ra e		
Bucket Type		
Pin-On	3.2–3.6 m ³ (4	.25–4.75 cu. yd.)
Coupler	3.1–3.6 m ³ (4.	.0–4.75 cu. yd.)
i e si s a pecificati s it i	c et it	lt e



	Z-Bar	Z-Bar	High-Lift
Dimensions With Bucket With			
Bolt-On Edge (illustration above right)	3.2-m³ (4.25 cu. yd.) general-purpose	3.4-m³ (4.5 cu. yd.) general-purpose	3.2-m³ (4.25 cu. yd.) general-purpose
A Height to Top of Cab	3.45 m (11 ft. 4 in.)	3.45 m (11 ft. 4 in.)	3.45 m (11 ft. 4 in.)
B Hood Height	2.51 m (8 ft. 3 in.)	2.51 m (8 ft. 3 in.)	2.51 m (8 ft. 3 in.)
C Ground Clearance	386 mm (15.2 in.)	386 mm (15.2 in.)	386 mm (15.2 in.)
D Length From Centerline to Front Axle	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)	1.66 m (5 ft. 5 in.)
E Wheelbase	3.31 m (10 ft. 10 in.)	3.31 m (10 ft. 10 in.)	3.31 m (10 ft. 10 in.)
F Overall Length, Bucket on Ground	8.26 m (27 ft. 1 in.)	8.31 m (27 ft. 3 in.)	8.72 m (28 ft. 7 in.)
G Height to Hinge Pin, Fully Raised	4.09 m (13 ft. 5 in.)	4.09 m (13 ft. 5 in.)	4.50 m (14 ft. 9 in.)
H Dump Clearance, 45 deg., Full Height	2.87 m (9 ft. 5 in.)	2.83 m (9 ft. 4 in.)	3.28 m (10 ft. 9 in.)
I Reach, 45-deg. Dump, Full Height	1.06 m (3 ft. 6 in.)	1.09 m (3 ft. 7 in.)	1.17 m (3 ft. 10 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.)	1.61 m (5 ft. 3 in.)	1.62 m (5 ft. 4 in.)	2.02 m (6 ft. 8 in.)
Clearance			
K Maximum Digging Depth	125 mm (5 in.)	129 mm (5 in.)	262 mm (10 in.)
L Maximum Rollback at Ground Level	45 deg.	45 deg.	45 deg.
M Maximum Rollback, Boom Fully Raised	59 deg.	59 deg.	60 deg.
N Maximum Bucket Dump Angle, Fully Raised	48 deg.	48 deg.	45 deg.
Loader Clearance Circle, Bucket Carry	13.0 m (42 ft. 8 in.)	13.0 m (42 ft. 9 in.)	13.3 m (43 ft. 9 in.)
Position			
pecificati s it c et			
Capacity, Heaped	3.3 m³ (4.25 cu. yd.)	3.4 m³ (4.50 cu. yd.)	3.3 m³ (4.26 cu. yd.)
Capacity, Struck	2.7 m³ (3.47 cu. yd.)	2.8 m³ (3.68 cu. yd.)	2.7 m³ (3.48 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	1844 kg (4,066 lb.)	1880 kg (4,145 lb.)	1695 kg (3,737 lb.)
Bucket Width	3.04 m (10 ft. 0 in.)	3.04 m (10 ft. 0 in.)	3.04 m (10 ft. 0 in.)
Breakout Force	15 574 kg (34,334 lb.)	15 002 kg (33,074 lb.)	15 568 kg (34,321 lb.)
ipping oad, traight, o ire e ection	14 548 kg (32,072 lb.)	14 436 kg (31,827 lb.)	12 403 kg (27,344 lb.)
Tipping Load, Straight, With Tire	13 632 kg (30,053 lb.)	13 524 kg (29,815 lb.)	11 700 kg (25,794 lb.)
e ection	-	-	-
Tipping Load, 40-deg. Full Turn, No Tire	12 667 kg (27,925 lb.)	12 564 kg (27,698 lb.)	10 723 kg (23,639 lb.)
e ection			
Tipping Load, 40-deg. Full Turn, With	11 541 kg (25,444 lb.)	11 439 kg (25,219 lb.)	9837 kg (21,687 lb.)
ire e ection			
Rated Operating Load, 50% Full-Turn	6333 kg (13,963 lb.)	6282 kg (13,849 lb.)	5361 kg (11,820 lb.)
ipping oad o ire e ection			
(conforms to ISO 14397-1)*			
Rated Operating Load, 50% Full-Turn	5771 kg (12,722 lb.)	5720 kg (12,609 lb.)	4919 kg (10,843 lb.)
ipping oad, ith ire e ection			
(conforms to ISO 14397-1)*			
Operating Weight	18 856 kg (41,571 lb.)	18 892 kg (41,649 lb.)	19 218 kg (42,369 lb.)
		dard equipment, PowerTech PSS 6068 (EPA	
soon cost human or looun to succeed the second	asian aida fuama ayauda hattam ayauda a	tandard tires full fuel tank and 70 kg /175	In I an average This information is affected

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, and assumes no tire deflection per the standard ISO 14397-1 section 5.

*Rated operating capacity based on Deere attachments only.

644 X TIER

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories A A A 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.

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		7.0		
	Z-Bar	Z-Bar	High-Lift	High-Lift
iesis it cetit It e	3.1-m³ (4.0 cu. yd.)	3.2-m³ (4.25 cu. yd.)	3.1-m³ (4.0 cu. yd.)	3.2-m³ (4.25 cu. yd.)
(illustration above right)	general-purpose	general-purpose	general-purpose	general-purpose
Height to Top of Cab	3.45 m (11 ft. 4 in.)			
Hood Height	2.51 m (8 ft. 3 in.)			
C Ground Clearance	386 mm (15.2 in.)			
D Length From Centerline to Front Axle	1.66 m (5 ft. 5 in.)			
Wheelbase	3.31 m (10 ft. 10 in.)			
Overall Length, Bucket on Ground	8.31 m (27 ft. 3 in.)	8.35 m (27 ft. 5 in.)	8.77 m (28 ft. 9 in.)	8.82 m (28 ft. 11 in.)
Height to Hinge Pin, Fully Raised	4.09 m (13 ft. 5 in.)	4.09 m (13 ft. 5 in.)	4.50 m (14 ft. 9 in.)	4.50 m (14 ft. 9 in.)
Dump Clearance, 45 deg., Full Height	2.84 m (9 ft. 4 in.)	2.81 m (9 ft. 2 in.)	3.25 m (10 ft. 8 in.)	3.22 m (10 ft. 7 in.)
Reach, 45-deg. Dump, Full Height	1.10 m (3 ft. 7 in.)	1.13 m (3 ft. 8 in.)	1.21 m (4 ft. 0 in.)	1.24 m (4 ft. 1 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.63 m (5 ft. 4 in.)	1.64 m (5 ft. 5 in.)	2.05 m (6 ft. 9 in.)	2.06 m (6 ft. 9 in.)
Maximum Digging Depth	125 mm (5 in.)	129 mm (5 in.)	262 mm (10 in.)	266 mm (10 in.)
Maximum Rollback at Ground Level	45 deg.	45 deg.	45 deg.	45 deg.
M Maximum Rollback, Boom Fully Raised	59 deg.	59 deg.	60 deg.	60 deg.
Maximum Bucket Dump Angle, Fully Raised	48 deg.	48 deg.	45 deg.	45 deg.
Loader Clearance Circle, Bucket Carry Position	13.0 m (42 ft. 9 in.)	13.0 m (42 ft. 9 in.)	13.5 m (44 ft. 3 in.)	13.5 m (44 ft. 4 in.)
pecificati s it c et				
Capacity, Heaped	3.30 m ³ (4.25 cu. yd.)	3.40 m ³ (4.50 cu. yd.)	3.07 m ³ (4.02 cu. yd.)	3.26 m ³ (4.26 cu. yd.)
Capacity, Struck	2.70 m ³ (3.47 cu. yd.)	2.80 m ³ (3.68 cu. yd.)	2.51 m ³ (3.28 cu. yd.)	2.66 m ³ (3.48 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	1844 kg (4,066 lb.)	1880 kg (4,145 lb.)	1639 kg (3,613 lb.)	1695 kg (3,737 lb.)
Bucket Width	3.04 m (10 ft. 0 in.)			
Breakout Force	14 907 kg (32,865 lb.)	14 419 kg (31,789 lb.)	14 901 kg (32,852 lb.)	14 414 kg (31,778 lb.)
ipping oad, traight, o ire e ection	13 801 kg (30,425 lb.)	13 697 kg (30,196 lb.)	11 747 kg (25,898 lb.)	11 656 kg (25,698 lb.)
ipping oad, traight, ith ire e ection	12 924 kg (28,493 lb.)	12 819 kg (28,261 lb.)	11 067 kg (24,399 lb.)	10 977 kg (24,200 lb.)
ipping oad, deg. ull urn, o ire e ection	11 967 kg (26,383 lb.)	11 870 kg (26,168 lb.)	10 104 kg (22,275 lb.)	10 018 kg (22,085 lb.)
ipping oad, deg. ull urn, ith ire e ection	10 884 kg (23,995 lb.)	10 782 kg (23,770 lb.)	9246 kg (20,384 lb.)	9156 kg (20,186 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load,	5984 kg (13,192 lb.)	5935 kg (13,084 lb.)	5052 kg (11,138 lb.)	5009 kg (11,042 lb.)
o ire e ection conforms to				
Rated Operating Load, 50% Full-Turn Tipping Load, ith ire e ection conforms to	5442 kg (11,998 lb.)	5391 kg (11,885 lb.)	4623 kg (10,192 lb.)	4578 kg (10,093 lb.)
Operating Weight	19 281 kg (42,507 lb.)	19 338 kg (42,632 lb.)	19 643 kg (43,305 lb.)	19 700 kg (43,430 lb.)

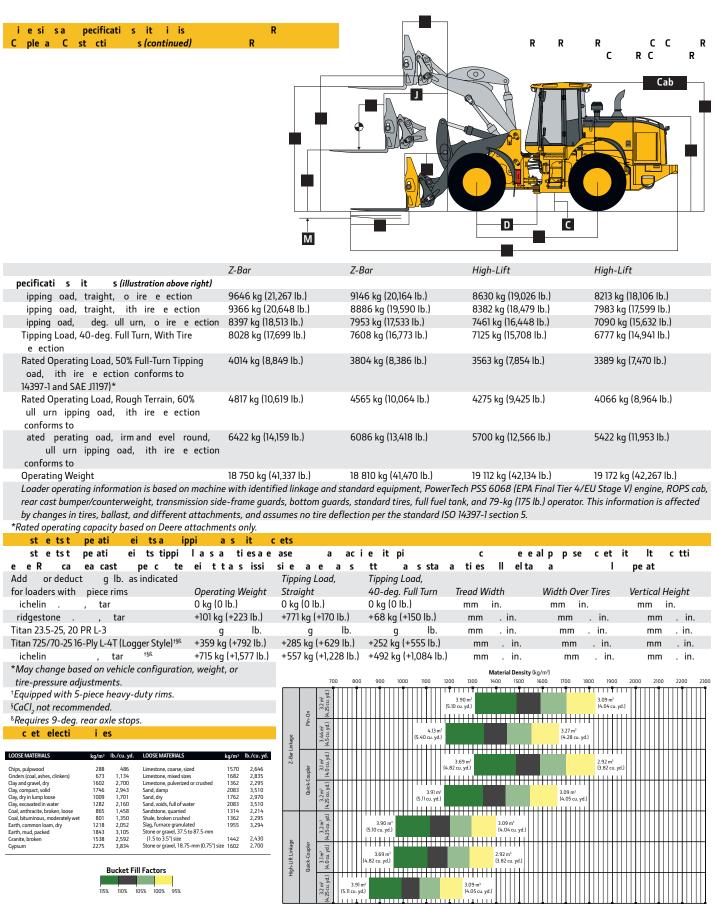
Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 6068 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments, and assumes no tire deflection per the standard ISO 14397-1 section 5.

*Rated operating capacity based on Deere attachments only.

i e si sa pecificati s it i is C ple a	C st cti s			
	Z-Bar	Z-Bar	High-Lift	High-Lift
i e si s it s (illustration at top of next page)	1.52-m (60 in.) tine length	1.83-m (72 in.) tine length	1.52-m (60 in.) tine length	1.83-m (72 in.) tine length
Height to Top of Cab	3.45 m (11 ft. 4 in.)			
Hood Height	2.51 m (8 ft. 3 in.)			
C Ground Clearance	386 mm (15.2 in.)			
D Length From Centerline to Front Axle	1.66 m (5 ft. 5 in.)			
Wheelbase	3.31 m (10 ft. 10 in.)			
Overall Length, Forks on Ground	9.01 m (29 ft. 7 in.)	9.32 m (30 ft. 7 in.)	9.41 m (30 ft. 10 in.)	9.71 m (31 ft. 10 in.)
Height to Hinge Pin, Fully Raised	4.09 m (13 ft. 5 in.)	4.09 m (13 ft. 5 in.)	4.50 m (14 ft. 9 in.)	4.50 m (14 ft. 9 in.)
Reach, Fully Raised	820 mm (32 in.)	820 mm (32 in.)	930 mm (3 ft. 1 in.)	930 mm (3 ft. 1 in.)
Fork Height, Fully Raised	3.78 m (12 ft. 5 in.)	3.78 m (12 ft. 5 in.)	4.19 m (13 ft. 9 in.)	4.19 m (13 ft. 9 in.)
J Maximum Reach, Fork Level	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	2.05 m (6 ft. 9 in.)	2.05 m (6 ft. 9 in.)
Fork Height, Maximum Reach	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.74 m (5 ft. 9 in.)	1.74 m (5 ft. 9 in.)
Reach, Ground Level	1.16 m (3 ft. 10 in.)	1.16 m (3 ft. 10 in.)	1.56 m (5 ft. 1 in.)	1.56 m (5 ft. 1 in.)
M Depth Below Ground	90 mm (3 in.)	90 mm (3 in.)	220 mm (9 in.)	220 mm (9 in.)
Tine Length	1.52 m (60 in.)	1.83 m (72 in.)	1.52 m (60 in.)	1.83 m (72 in.)
Load Position, 50% Tine Length	760 mm (30 in.)	910 mm (36 in.)	760 mm (30 in.)	910 mm (36 in.)

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644 X TIER



1.348 1.517 1.686 1.854 2.360 2.528 2.023 2.191 Material Density (lb./cu.yd.)

1.180

2.697

2.865 3.034 3.203 3.371 3.540 3,708 3.876

Additional equipment

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

644 X 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
- ual stage fuel filter and water separator
- 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

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- Clutch cutoff with 4 operator settings: Automatic, level ground, small slope, or steep slope
- Programmable maximum high gear
- Clutch calibration engaged from monitor
- hour vertical spin on transmission filter
- ransmission fill tube and sight gauge
- Transmission diagnostic ports
- Hybrid-electric (E-Drive) transmission system
- Front locking differential
- Rear locking differential
- Brake retractors and adjusters
- Automatic differential lock
- Axle oil temperature sensing

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

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44 X	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
•	eservoir with sight gauge and fill strainer
•	Hydraulic diagnostic ports
•	, hour in tan filter
•	2 function — joystick with F-N-R
	function lever fingertip controls and steering column
A	3 function — joystick with F-N-R and integrated 3rd-function roller
	function lever fingertip controls and steering column
	4 function — joystick with F-N-R and integrated 3rd/4th-function rollers
•	Programmable multifunction buttons (2)
•	Ad ustable and continuous hydraulic ow settings
•	Programmable attachment settings
	Ride control, automatic with monitor-adjustable speed settings
	Hydraulic control system for quick-coupler locking pins
	ydrau cold temperature hydraulic uid recommended below deg. (–13 deg. F)
	Steering Systems
•	Conventional steering wheel with spinner knob
	Joystick steering (including conventional steering column) with gearshift, F-N-R, and horn
	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 wor lights front turn signals and ashers rear grille 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 e haust uid 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)

escipti saep ile e e al i ie s eill stati sa tet aiclep ati pict es a ct pti s a access ies i all e i sa i s ec tiesp ctsa access ies a e i e ificati s a iti st e s ec plia ce it t el cal e lati s t sec ties 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 units 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

Additional equipment (cont.)

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

644 X Electrical (continued)

- 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)

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- 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
- ▲ Seat-belt minder monitoring with JDLink[™] and seat-belt indicator beacon
- Cup holder and cup/Thermos[®] holder with retaining strap
- Lunch-box/cooler holder with tie-down brackets
- Coat hook
- LED dome and reading light
- ubber oor 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
- 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

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- ▲ Dedicated 178-mm (7 in.) rear camera display
- Payload scale ready
- Fire extinguisher
- Loader Linkage
 Z-Bar loader linkage (parallel lift)
- Ligh-Lift 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)
- ▲ Full line of Deere hook-on buckets and forks

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- in 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 hydraulic transmission
- Left-side service steps and handholds
- Storage compartment
- uel tan fill strainer
- Heavy-duty fuel-tank guard
- round level fuel and fill
- Same-side ground-level daily servicing
- 23.5R25 tires on 3-piece rims
- ▲ 23.5R25 tires on 5-piece rims
- Tire-pressure monitoring system
- ▲ Waste handler (Z-Bar and High-Lift)
- Environmental drains and sample ports for engine, transmission, hydraulic oils, and engine coolant
- ▲ uic uid service engine, transmission, hydraulic oils, and engine coolant
- ▲ Fast-fuel system
- Fenders, front narrow
- ▲ Fenders, front full width
- ▲ Fenders, front and rear full width
- enders, front and rear full width with mud aps
- Less wheels and tires with axle stops
- Rims less tires
- ▲ Transmission side-frame and bottom guards
- Special guarding for waste applications
- ▲ Lift eyes
- ▲ License-plate bracket and light

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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 units 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.





MF644XAEN Litho in U.S.A. (21-01)