

844 X

Wheel Loader



JOHN DEERE



A John Deere 844 X-Tier wheel loader is shown in action, dumping a large pile of dark gravel. The loader's yellow bucket is raised, and a cloud of dust or gravel is being thrown out. The machine is yellow and black, with "DEERE" and "JOHN DEERE" visible on its side. The background is a cloudy sky.

844 X-TIER WHEEL LOADER

MAKE A BIG PRODUCTION

When your daily grind includes hauling material over long distances or working in abrasive aggregate or roadbuilding conditions, you need a loader that can tackle it all while taking it easy on operators and your bottom line. Equipped with intuitive controls, a cab designed for ergonomic comfort and productivity, a purpose-built Electric Variable Transmission (EVT), leading-edge tech, and a wealth of customer-inspired features, the 844 X-Tier is ready to deliver premium levels of machine performance and fuel efficiency. Plus an elevated operator experience can help attract and retain your most precious resource.

Operate at an EVT advantage

Powered by our JD14 engine, the 844 X-Tier is equipped with an exclusive Electric Variable Transmission (EVT) designed and built by Deere. Replacing both the torque converter and traditional transmission of comparable models, the field-tested EVT delivers rapid response and power on demand as well as low-effort single-pedal operation. Two electric motors plus an inverter allow

the system to efficiently manage torque, power to the ground, and ground speed similar to the E-Drive in our proven 944 X-Tier.

Count on comfort and convenience

Premium X-Tier cab features an ergonomic heated/ventilated seat, HVAC system with automatic temperature control, AM/FM radio with Bluetooth®, deluxe LED lights, and durable sealed-switch module.

It's easy to take control

Intuitive seat-mounted right-hand hydraulic controls feature two programmable multifunction buttons enabled with electrohydraulic (EH) capability. Operators can set the programmable buttons based on individual preference to help increase productivity across a range of jobsite applications.

Load up and move out

Our optional new 8.5-cubic-yard high-strength-steel bucket provides an additional 1/2-cubic-yard capacity in every loadout compared to prior offerings.



FIND YOUR FIT



LEADING EDGE

Premium edge with innovative technology



EXCEPTIONAL PERFORMANCE

Advanced features and performance



RUGGED AND RELIABLE

Proven capabilities and value

Material matters

SmartWeigh™ option features dynamic weighing technology that allows operators to weigh without interrupting workflow and removes the need to lower and raise the boom after tipoff. 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. SmartWeigh is available as a factory-installed or field-kit option and also for a 250-machine-hour trial at a lower cost.

VISION AND DETECTION SYSTEM OFFERINGS

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

- Optional **AVS** includes two digital cameras mounted on the rearview-mirror platforms that integrate with the rearview (backup) camera for a single display on a dedicated in-cab monitor.
- Paired with a high-resolution camera that feeds to the AVS display, optional **AOD** utilizes a radar system that provides audible alerts when objects are detected at the rear of the machine. AOD includes dynamic reversal projected path lines that help operators visualize the loader's anticipated course of travel while reversing.
- Optional **SmartDetect** senses objects entering the machine's projected travel path, emitting audible and visual alerts to the operator as well as distinct alerts to detected bystanders to help increase situational awareness. Available for installation as a field kit, SmartDetect requires AVS, AOD, and a G5 display.
- Building on SmartDetect capabilities, optional **SmartDetect™ Digital** is equipped with cameras that integrate with the AVS display to provide elevated operator and bystander alerts. Easily accessed through the user-friendly John Deere Operations Center web and mobile apps, the SmartDetect Digital 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



SMARTDETECT ON THE G5 DISPLAY

Relieve the pressure

Tire Pressure Monitoring Systems helps operators remain aware of recommended tire-inflation levels as they work.

Heavy-duty durability

Large, high-capacity, heavy-duty axles with standard axle cooling and filtration are designed to durably withstand demanding jobsite conditions.

Productive possibilities

Equip your 844 X-Tier with a log-handler or pipe-handler configuration to expand machine versatility.

Keep your cool

Stacked cooling package enables direct airflow, to minimize debris buildup. Simply open the rear door at ground level to service the fan when needed.

You're all set

Set and store up to 10 different configurations including flow, responsiveness, and other preferred modes through the monitor to optimize the attachments your operators use the most.

Master the maintenance routine

All daily service points including fuel are conveniently grouped on the left side of the machine, for easy access. The engine oil dipstick is also within reach. Standard auto-lube system integrates with machine diagnostics to help save time and operating expenses.



**HIGH-CAPACITY,
HEAVY-DUTY AXLES**
HELP TACKLE TOUGH CONDITIONS



844 X-TIER WHEEL LOADER



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™ that proactively addresses machine issues before they arise. With your approval, your dealer or preferred service provider 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.



844 X-TIER WHEEL LOADER SPECIFICATIONS

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Engine		844 X-TIER STANDARD-LIFT	
Manufacturer and Model	John Deere JD14		
Non-Road Emission Standard	EPA Final Tier 4 (FT4)/EU Stage V		
Cylinders	6		
Valves per Cylinder	4		
Displacement	13.55 L (827 cu. in.)		
Net Peak Power (ISO 9249)	315 kW (422 hp) at 1,400 rpm		
Net Peak Torque (ISO 9249)	2151 Nm (1,586 lb.-ft.) at 1,400 rpm		
Net Torque Rise	53%		
Fuel System	Electronic High-Pressure Common Rail (HPCR)		
Lubrication	Full-flow spin-on filter and integral cooler		
Aspiration	Single turbocharged, charge air cooled		
Air Cleaner	Dual-element dry type, restriction indicator in cab monitor for service; additional centrifugal engine pre-cleaner		
Cooling			
Fan Drive	Hydraulically driven, proportionally controlled, fan aft of coolers; automatic reversing fan drive		
Electrical			
Electrical System	24 volt with 150-amp alternator		
Batteries (2 – 12 volt)	1,400 CCA (each)		
Transmission System			
Type	Electric Variable Transmission (EVT)		
Torque Converter	N/A		
Shift Control	Electronically modulated, adaptive, load and speed dependent		
Operator Interface	Steering-column or joystick-mounted F-N-R and gear-select lever; Quick-Shift button on hydraulic lever		
Shift Modes	Auto (1st–4th or 2nd–4th); Quick-Shift button with 2 selectable modes: kick-down or kick-up/down		
Maximum Travel Speeds (with 865/65R29 L-3 tires)	EVT		
	Forward	Reverse	
Range 1	6.3 km/h (3.9 mph)	6.7 km/h (4.2 mph)	
Range 2	12.4 km/h (7.7 mph)	12.7 km/h (7.9 mph)	
Range 3	24.9 km/h (15.5 mph)	24.9 km/h (15.5 mph)	
Range 4	40.0 km/h (24.9 km/h)	N/A	
Range 5	N/A	N/A	
Axles/Brakes			
Final Drives	Heavy-duty mid-board planetary		
Differentials	Conventional differential front and rear – standard; hydraulic locking front with conventional rear – optional; dual locking front and rear – optional		
Rear Axle Oscillation, Stop to Stop			
With 29.5 R 25, 1 Star L-3 Tires	26 deg. (13 deg. each direction)		
With 875/65R29 L-3 Tires	16 deg. (8 deg. each direction)		
Brakes (conform to ISO 3450)			
Service	Outboard, forced oil cooled, multi disc		
Parking	Automatic spring applied, hydraulically released, sealed wet multi disc		
Tires/Wheels (see page 10 for complete tire adjustments)			
	Tread Width	Width Over Tires	
Michelin 875/65R29, 1 Star L-3	2440 mm (96.1 in.)	3408 mm (134.2 in.)	
Serviceability			
Refill Capacities		Refill Capacities (continued)	
Fuel Tank (with ground-level fueling)	534 L (141 gal.)	Transmission Reservoir With Vertical Filter	53 L (56 qt.)
Diesel Exhaust Fluid (DEF)	26.3 L (6.9 gal.)	Axle Oil (front and rear, each)	68 L (72 qt.)
Cooling System	60.5 L (16 gal.)	Hydraulic Reservoir and Filter	196 L (207.1 qt.)
Engine Oil With Vertical Spin-On Filter	61 L (64.4 qt.)	Park Brake Oil (wet disc)	approx. 0.35 L (0.37 qt.)

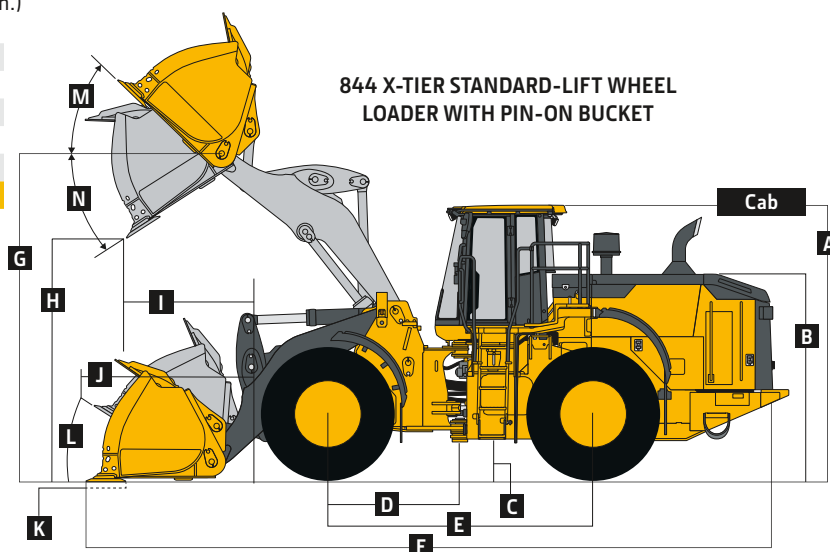
844 X-TIER WHEEL LOADER SPECIFICATIONS



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Hydraulic System/Steering		844 X-TIER STANDARD-LIFT
Loader Pumps		2 variable-displacement, load-sensing axial-piston pumps; closed-center system
Maximum Rated Flow at 6895 kPa (1,000 psi) at 2,000 rpm		570 L/m (150.5 gpm)
System Relief Pressure		24 900 kPa (3,611 psi)
Steering Pump		1 variable-displacement, load-sensing axial-piston pump; closed-center system
Maximum Rated Flow at 6895 kPa (1,000 psi) at 2,000 rpm		199.5 L/m (52.7 gpm)
System Relief Pressure		24 900 kPa (3,611 psi)
Loader Controls		2-function valve; single- or dual-lever controls; control lever lockout feature; optional 3rd-function valve with auxiliary levers
Steering (conforms to ISO 5010)		
Type		Power, fully hydraulic; single-lever control and adjustable wristrest with conventional steering wheel override
Articulation Angle		80-deg. arc (40 deg. each direction)
Turning Radius (measured to centerline of outside tire)		6.30 m (20 ft. 8 in.)
Hydraulic Cycle Times		Standard-Lift
Raise		5.9 sec.
Dump		1.9 sec.
Lower (float down)		3.6 sec.
Total		11.4 sec.

Dimensions and Specifications With Pin-On Bucket



Dimensions With Bucket	6.1-m ³ (8.0 cu. yd.) enhanced performance with wear liners	6.5-m ³ (8.5 cu. yd.) enhanced performance with wear liners	4.8-m ³ (6.3 cu. yd.) spade-nose rock with wear liners
Cutting Edge Type	<i>bolt-on edge</i>	<i>bolt-on edge</i>	<i>teeth and segments</i>
A Height to Top of Cab	3.73 m (12 ft. 3 in.)	3.73 m (12 ft. 3 in.)	3.73 m (12 ft. 3 in.)
B Hood Height	2.74 m (9 ft. 0 in.)	2.74 m (9 ft. 0 in.)	2.74 m (9 ft. 0 in.)
C Ground Clearance	463 mm (18.2 in.)	463 mm (18.2 in.)	463 mm (18.2 in.)
D Length From Centerline to Front Axle	1.85 m (6 ft. 1 in.)	1.85 m (6 ft. 1 in.)	1.85 m (6 ft. 1 in.)
E Wheelbase	3.70 m (12 ft. 2 in.)	3.70 m (12 ft. 2 in.)	3.70 m (12 ft. 2 in.)
F Overall Length, Bucket on Ground	9.86 m (32 ft. 4 in.)	9.97 m (32 ft. 9 in.)	10.17 m (33 ft. 4 in.)
G Height to Hinge Pin, Fully Raised	4.60 m (15 ft. 1 in.)	4.60 m (15 ft. 1 in.)	4.60 m (15 ft. 1 in.)
H Dump Clearance, 45 deg., Full Height	3.18 m (10 ft. 5 in.)	3.09 m (10 ft. 2 in.)	2.98 m (9 ft. 9 in.)
I Reach, 45-deg. Dump, Full Height	1.57 m (5 ft. 2 in.)	1.62 m (5 ft. 4 in.)	1.80 m (5 ft. 11 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	2.33 m (7 ft. 8 in.)	2.35 m (7 ft. 9 in.)	2.47 m (8 ft. 1 in.)
K Maximum Digging Depth	124 mm (4.9 in.)	170 mm (6.7 in.)	124 mm (4.9 in.)
L Maximum Rollback at Ground Level	45.3 deg.	45.3 deg.	40.2 deg.
M Maximum Rollback, Boom Fully Raised	59.8 deg.	59.8 deg.	57.4 deg.
N Maximum Bucket Dump Angle, Fully Raised	46.2 deg.	46.2 deg.	46.1 deg.
Loader Clearance Circle, Bucket Carry Position	15.06 m (49 ft. 5 in.)	15.12 m (49 ft. 7 in.)	15.16 m (49 ft. 9 in.)

844 X-TIER

Dimensions and Specifications With Pin-On Bucket			
	844 X-TIER STANDARD-LIFT		
	<i>6.1-m³ (8.0 cu. yd.) enhanced performance with wear liners</i>	<i>6.5-m³ (8.5 cu. yd.) enhanced performance with wear liners</i>	<i>4.8-m³ (6.3 cu. yd.) spade-nose rock with wear liners</i>
Specifications With Bucket			
Cutting Edge Type	<i>bolt-on edge</i>	<i>bolt-on edge</i>	<i>teeth and segments</i>
Capacity, Heaped	6.1 m ³ (8.0 cu. yd.)	6.5 m ³ (8.5 cu. yd.)	4.8 m ³ (6.3 cu. yd.)
Capacity, Heaped at 110% Fill Factor	6.7 m ³ (8.8 cu. yd.)	7.2 m ³ (9.4 cu. yd.)	5.3 m ³ (6.9 cu. yd.)
Capacity, Struck	5.0 m ³ (6.6 cu. yd.)	5.8 m ³ (7.6 cu. yd.)	4.1 m ³ (5.4 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	3222 kg (7,103 lb.)	3252 kg (7,169 lb.)	4240 kg (9,348 lb.)
Bucket Width	3.45 m (11 ft. 4 in.)	3.45 m (11 ft. 4 in.)	3.49 m (11 ft. 6 in.)
Breakout Force	19 291 kg (42,529 lb.)	18 379 kg (40,519 lb.)	16 833 kg (37,110 lb.)
Tipping Load, Straight, No Tire Deflection	24 755 kg (54,575 lb.)	24 533 kg (54,086 lb.)	23 854 kg (52,589 lb.)
Tipping Load, Straight, With Tire Deflection	23 904 kg (52,699 lb.)	23 682 kg (52,210 lb.)	23 052 kg (50,821 lb.)
Tipping Load, 37-deg. Partial Turn	21 842 kg (48,153 lb.)	21 636 kg (47,699 lb.)	20 913 kg (46,105 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	21 371 kg (47,115 lb.)	21 167 kg (46,665 lb.)	20 437 kg (45,056 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	20 088 kg (44,286 lb.)	19 887 kg (43,843 lb.)	19 221 kg (42,375 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	10 044 kg (22,143 lb.)	9944 kg (21,922 lb.)	9611 kg (21,188 lb.)
Operating Weight	32 982 kg (72,713 lb.)	33 065 kg (72,896 lb.)	34 050 kg (75,067 lb.)
<i>Loader operating information is based on machine with identified linkage and standard equipment, John Deere JD14 (EPA FT4/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.</i>			
<i>*Rated operating capacity based on Deere attachments only.</i>			

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844 X-TIER LOG HANDLER Dimensions and Specifications With Pin-On Millyard Forks

	<i>Standard-Lift Rockland with 2.13-m (84 in.) tine length</i>		<i>Standard-Lift Rockland with 2.13-m (84 in.) tine length</i>
Dimensions With Millyard Forks		Specifications With Millyard Forks	
Height to Top of Cab	3.73 m (12 ft. 3 in.)	Tipping Load, Straight, No Tire Deflection	19 460 kg (42,902 lb.)
Hood Height	2.74 m (9 ft. 0 in.)	Tipping Load, Straight, With Tire Deflection	19 107 kg (42,124 lb.)
Ground Clearance	463 mm (18.2 in.)	Tipping Load, 37-deg. Partial Turn	16 945 kg (37,357 lb.)
Length From Centerline to Front Axle	1.85 m (6 ft. 1 in.)	Tipping Load, 40-deg. Full Turn, No Tire Deflection	16 538 kg (36,460 lb.)
Wheelbase	3.70 m (12 ft. 2 in.)	Tipping Load, 40-deg. Full Turn, With Tire Deflection	15 843 kg (34,928 lb.)
Overall Length, Forks on Ground	10.74 m (35 ft. 3 in.)	Operating Weight	37 783 kg (83,297 lb.)
Height to Hinge Pin, Fully Raised	4.60 m (15 ft. 1 in.)	<i>Loader operating information is based on machine with identified linkage and standard equipment, John Deere JD14 (EPA FT4/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.</i>	
Reach, Fully Raised	0.93 m (3 ft. 1 in.)		
Fork Height, Fully Raised	4.27 m (14 ft. 0 in.)		
Maximum Reach, Fork Level	1.93 m (6 ft. 4 in.)		
Fork Height, Maximum Reach	1.93 m (6 ft. 4 in.)		
Reach, Ground Level	1.32 m (4 ft. 4 in.)		
Depth Below Ground	160 mm (6.3 in.)		
Tine Length	2.13 m (84 in.)		
Grapple Weight	4468 kg (9,850 lb.)		
Overall Grapple Width	2.74 m (108 in.) (9 ft. 0 in.)		

844 X-TIER PIPE HANDLER Dimensions and Specifications With Pin-On Pipe Grapple

	<i>Standard-Lift Rockland with 0.10-m x 0.25-m x 2.44-m (4 in. x 10 in. x 96 in.) tine size</i>		<i>Standard-Lift Rockland with 0.10-m x 0.25-m x 2.44-m (4 in. x 10 in. x 96 in.) tine size</i>
Dimensions With Pipe Grapple		Specifications With Pipe Grapple	
Height to Top of Cab	3.73 m (12 ft. 3 in.)	Tipping Load, Straight, No Tire Deflection	17 342 kg (38,233 lb.)
Hood Height	2.74 m (9 ft. 0 in.)	Tipping Load, Straight, With Tire Deflection	17 184 kg (37,884 lb.)
Ground Clearance	463 mm (18.2 in.)	Tipping Load, 37-deg. Partial Turn	15 128 kg (33,351 lb.)
Length From Centerline to Front Axle	1.85 m (6 ft. 1 in.)	Tipping Load, 40-deg. Full Turn, No Tire Deflection	14 769 kg (32,560 lb.)
Wheelbase	3.70 m (12 ft. 2 in.)	Tipping Load, 40-deg. Full Turn, With Tire Deflection	14 340 kg (31,614 lb.)
Overall Length, Forks on Ground	11.04 m (36 ft. 3 in.)	Operating Weight	37 239 kg (82,098 lb.)
Height to Hinge Pin, Fully Raised	4.60 m (15 ft. 1 in.)	<i>Loader operating information is based on machine with identified linkage and standard equipment, John Deere JD14 (EPA FT4/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.</i>	
Reach, Fully Raised	0.93 m (3 ft. 1 in.)		
Fork Height, Fully Raised	4.40 m (14 ft. 5 in.)		
Maximum Reach, Fork Level	1.93 m (6 ft. 4 in.)		
Fork Height, Maximum Reach	2.06 m (6 ft. 9 in.)		
Reach, Ground Level	1.22 m (4 ft. 0 in.)		
Depth Below Ground	34 mm (1.3 in.)		
Tine Length	2.44 m (96 in.)		
Grapple Weight	3924 kg (8,651 lb.)		
Overall Grapple Width	3.05 m (120 in.) (10 ft. 0 in.)		

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844 X-TIER

844 X-TIER STANDARD-LIFT Adjustments to Operating Weights and Tipping Loads With Buckets

Adjustments to operating weights, tipping loads, and tires are based on Standard-Lift machine with pin-on 6.1-m³ (8.0 cu. yd.) enhanced-performance bucket with wear liners and 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, 37-deg. Partial Turn	Tipping Load, 40-deg. Full Turn	Tread Width	Width Over Tires	Vertical Height
Michelin 875/65R29, 1 Star L-3 [§]	+552 kg (+1,217 lb.)	+408 kg (+899 lb.)	+367 kg (+809 lb.)	+360 kg (+794 lb.)	0 mm (0 in.)	+120 mm (+4.7 in.)	–8 mm (–0.3 in.)
Bridgestone 875/65R29, 1 Star L-3 [§]	+832 kg (+1,834 lb.)	+615 kg (+1,356 lb.)	+553 kg (+1,219 lb.)	+543 kg (+1,197 lb.)	0 mm (0 in.)	+88 mm (+3.5 in.)	–12 mm (–0.5 in.)
Michelin 29.5 R 25, 2 Star L-3	–152 kg (–335 lb.)	–112 kg (–247 lb.)	–101 kg (–223 lb.)	–99 kg (–218 lb.)	0 mm (0 in.)	–15 mm (–0.6 in.)	–10 mm (–0.4 in.)
Titan 29.5 R 25, 1 Star L-3	+108 kg (+238 lb.)	+80 kg (+176 lb.)	+72 kg (+159 lb.)	+71 kg (+157 lb.)	0 mm (0 in.)	–13 mm (–0.5 in.)	+42 mm (+1.7 in.)
Bridgestone 29.5 R 25, 1 Star L-3	0 kg (0 lb.)	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 29.5-25, 28-Ply L-3	+540 kg (+1,190 lb.)	+399 kg (+880 lb.)	+359 kg (+791 lb.)	+353 kg (+778 lb.)	0 mm (0 in.)	+8 mm (+0.3 in.)	+50 mm (+2.0 in.)
Bridgestone 29.5 R 25, 1 Star L-5 [§]	+1308 kg (+2,884 lb.)	+967 kg (+2,132 lb.)	+870 kg (+1,918 lb.)	+854 kg (+1,883 lb.)	0 mm (0 in.)	+4 mm (+0.2 in.)	+50 mm (+2.0 in.)
Michelin 29.5 R 25, 1 Star L-5 [§]	+856 kg (+1,887 lb.)	+633 kg (+1,396 lb.)	+569 kg (+1,254 lb.)	+559 kg (+1,232 lb.)	0 mm (0 in.)	0 mm (0 in.)	+65 mm (+2.6 in.)
6.1-m ³ (8.0 cu. yd.) Enhanced-Performance Bucket Without Wear Liners	–245 kg (–540 lb.)	+264 kg (+582 lb.)	+264 kg (+582 lb.)	+264 kg (+582 lb.)	N/A	N/A	N/A
6.5-m ³ (8.5 cu. yd.) Enhanced-Performance Bucket Without Wear Liners	–261 kg (–575 lb.)	+319 kg (+703 lb.)	+314 kg (+692 lb.)	+314 kg (+692 lb.)	N/A	N/A	N/A

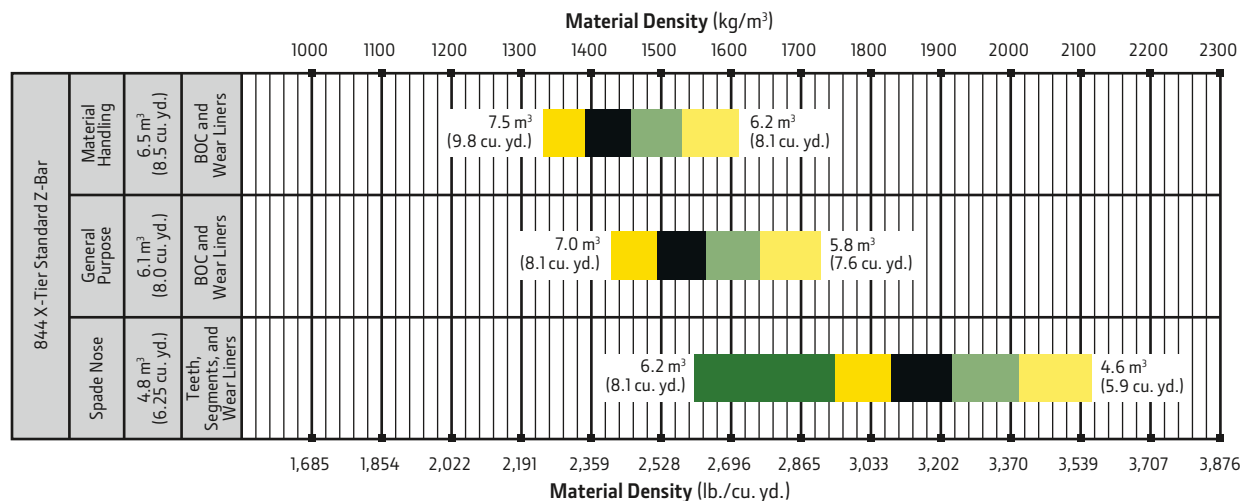
*May change based on vehicle configuration, weight, or tire-pressure adjustments.

[§]Requires 8-deg. rear axle stops.

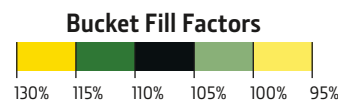
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Bucket Selection Guides

844 X-TIER STANDARD-LIFT



LOOSE MATERIALS			LOOSE MATERIALS		
	kg/m³	lb./cu. yd.		kg/m³	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 (1.5 to 3.5 in.) size	1442	2,430
Granite, broken	1538	2,592	Stone or gravel, 18.75-mm (0.75 in.) size	1602	2,700
Gypsum	2275	3,834			



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MW844XAU (26-04)



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