

# 444

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**WHEEL LOADER**



**JOHN DEERE**

# DEPENDABLE, ECONOMICAL, AND READY TO WORK.

When you need a multipurpose wheel loader you can count on, look to the new John Deere 444 G-tier. Ideal for light- to medium-duty tasks, this mid-size machine also comes at a low purchase price and is reliably economical to upkeep. Including quality components and proven technology backed by legendary Deere dealer support, the 444 G-tier can be just what you need to get things done.



## OPTIMIZED OPERATION

Comfortable and roomy cab features ergonomically placed joystick controls, foot pedals, and sealed-switch module. Common controls will be familiar to both novice and experienced operators.



## VERSATILITY TO THE MAX

Equip your John Deere 444 G-Tier Loader with a Hi-Vis coupler, which accepts both K-Series buckets and other attachments, to maximize machine utilization and versatility.



## EASY MAINTENANCE

All daily service points including fuel refill are conveniently grouped on the left side of the machine at ground level, for easy access.



FUEL EFFICIENCY  
& PRODUCTIVITY  
**UP TO 5%  
GREATER**  
THAN LEADING  
COMPETITIVE MODEL



### RELIABLE DURABILITY

The 444 G-tier leverages proven components and technologies similar to those used in our loaders for over a decade. Rugged powertrain, hydraulic, and electrical systems are the culmination of thousands of hours of experience on a wide range of jobsites.



### SERVICE SOLUTIONS

JDLink™ provides real-time machine data and alerts to help maximize productivity, efficiency, and uptime. Used in conjunction with Deere-exclusive Service ADVISOR™ Remote, your dealer can read codes, record performance data, and even diagnose machine issues without sending a technician to the jobsite.

## 444 G-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.

<b>Engine</b>		<b>444 G-TIER Z-BAR</b>	
Manufacturer and Model	John Deere PowerTech™ E 4045H	Gross Peak Torque (ISO 9249)	525 Nm (387 lb.-ft.) at 1,600 rpm
Non-Road Emission Standard	EPA Tier 3/EU Stage IIIA	Net Torque Rise	26%
Cylinders	4	Fuel System (electronically controlled)	High-pressure common rail
Valves Per Cylinder	2	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)	92 kW (124 hp) at 2,100 rpm / 88 kW (118 hp) at 2,100 rpm*	Air Cleaner	Under-hood, dual-element dry type, restriction indicator in cab monitor for service
Gross Peak Power (ISO 9249)	97 kW (130 hp) at 2,100 rpm	*With fix-fan drive.	
Net Peak Torque (ISO 9249)	507 Nm (374 lb.-ft.) at 1,500 rpm / 504 Nm (372 lb.-ft.) at 1,500 rpm*		
<b>Cooling</b>			
Fan Drive	Fix-fan drive standard / hydraulically driven, proportionally controlled optional		
<b>Electrical</b>			
Electrical System	24 volt with 80-amp alternator		
Batteries (2 – 12 volt)	950 CCA (each)		
<b>Transmission System</b>			
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		
<b>Maximum Travel Speeds (with 17.5 R 25 tires)</b>			
	<i>Forward</i>	<i>Reverse</i>	
Range 1	7.3 km/h (4.5 mph)	7.6 km/h (4.7 mph)	
Range 2	12.1 km/h (7.5 mph)	13.0 km/h (8.1 mph)	
Range 3	23.1 km/h (14.4 mph)	24.2 km/h (15.0 mph)	
Range 4	36.0 km/h (22.4 mph)	N/A	
<b>Axles/Brakes</b>			
Final Drives	Heavy-duty mid-board planetary		
Differentials	Limited slip		
Rear Axle Oscillation, Stop to Stop (with 17.5 R 25 tires)	24 deg. (12 deg. each direction)		
<b>Brakes (conform to ISO 3450)</b>			
Service	Outboard, forced oil cooled, multi disc		
Parking	Automatic spring applied, hydraulically released, driveline mounted, sealed wet multi disc		
<b>Tires/Wheels (see page 7 for complete tire adjustments)</b>			
	<i>Tread Width</i>	<i>Width Over Tires</i>	
Michelin 17.5 R 25, 1 Star L-3	1900 mm (74.8 in.)	2415 mm (95.1 in.)	
<b>Serviceability</b>			
<b>Refill Capacities</b>		<b>Refill Capacities (continued)</b>	
Fuel Tank (with lockable cap)	190 L (50 gal.)	Axle Oil Without Coolers (front and rear, each)	22 L (23 qt.)
Cooling System	19 L (20 qt.)	Hydraulic Reservoir and Filter	92 L (24.3 gal.)
Engine Oil With Vertical Spin-On Filter	17.5 L (18.5 qt.)	Park Brake Oil (wet disc)	0.35 L (12 oz.)
Transmission Reservoir With Vertical Filter	18.5 L (19.5 gal.)		
<b>Hydraulic System/Steering</b>			
Pump (loader and steering)	Variable-displacement, axial-piston pump; closed-center, pressure-compensating system		
Maximum Rated Flow at 6895 kPa (1,000 psi) and 2,350 rpm	140 L/m (37 gpm)		
System Relief Pressure (loader and steering)	24 821 kPa (3,600 psi)		
Loader Controls	2-function valve; joystick control; hydraulic-function enable/disable; optional 3rd- and 4th-function valve with auxiliary lever		
<b>Steering (conforms to ISO 5010)</b>			
Type	Power, fully hydraulic		
Articulation Angle	80-deg. arc (40 deg. each direction)		
Turning Radius (measured to centerline of outside tire)	4.74 m (15 ft. 7 in.)		

## 444 G-TIER WHEEL LOADER SPECIFICATIONS

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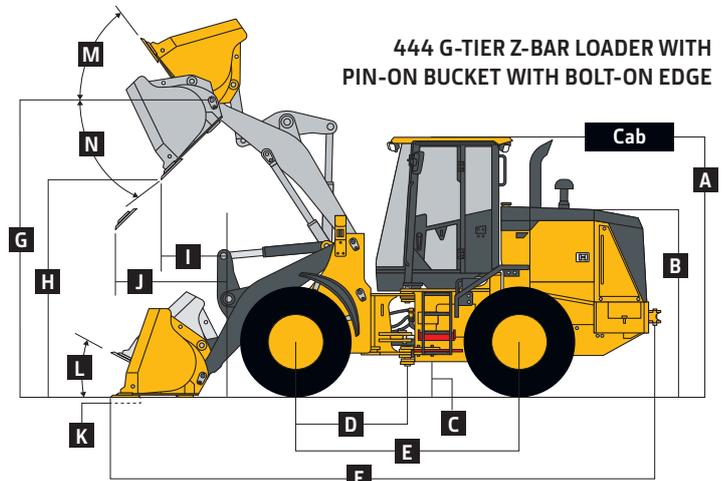
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### Hydraulic System/Steering (continued) 444 G-TIER Z-BAR

#### Hydraulic Cycle Times

Raise	5.9 sec.
Dump	1.0 sec.
Lower (float down)	2.4 sec.
Total	9.3 sec.

### Dimensions and Specifications With Pin-On Bucket



444 G-TIER Z-BAR LOADER WITH PIN-ON BUCKET WITH BOLT-ON EDGE

	Z-Bar	Z-Bar (with concrete counterweight)
<b>Dimensions With Bucket</b>	1.9-m <sup>3</sup> (2.5 cu. yd.) general-purpose with bolt-on edge	1.9-m <sup>3</sup> (2.5 cu. yd.) general-purpose with bolt-on edge
A Height to Top of Cab	3.1264 m (10 ft. 3 in.)	3.1264 m (10 ft. 3 in.)
B Hood Height	2.263 m (7 ft. 5 in.)	2.263 m (7 ft. 5 in.)
C Ground Clearance	349 mm (13.75 in.)	349 mm (13.75 in.)
D Length From Centerline to Front Axle	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)
E Wheelbase	2.76 m (9 ft. 6 in.)	2.76 m (9 ft. 6 in.)
F Overall Length, Bucket on Ground	6.747 m (22 ft. 2 in.)	6.925 m (22 ft. 9 in.)
G Height to Hinge Pin, Fully Raised	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)
H Dump Clearance, 45 deg., Full Height	2.65 m (8 ft. 8 in.)	2.65 m (8 ft. 8 in.)
I Reach, 45-deg. Dump, Full Height	1.05 m (3 ft. 5 in.)	1.05 m (3 ft. 5 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.44 m (4 ft. 9 in.)	1.44 m (4 ft. 9 in.)
K Maximum Digging Depth	143 mm (5.6 in.)	143 mm (5.6 in.)
L Maximum Rollback at Ground Level	41 deg.	41 deg.
M Maximum Rollback, Boom Fully Raised	55 deg.	55 deg.
N Maximum Bucket Dump Angle, Fully Raised	50 deg.	50 deg.
Loader Clearance Circle, Bucket Carry Position	11.11 m (36 ft. 5 in.)	11.11 m (36 ft. 5 in.)
<b>Specifications With Bucket</b>		
Capacity, Heaped	1.9 m <sup>3</sup> (2.5 cu. yd.)	1.9 m <sup>3</sup> (2.5 cu. yd.)
Capacity, Struck	1.6 m <sup>3</sup> (2.0 cu. yd.)	1.6 m <sup>3</sup> (2.0 cu. yd.)
Bucket Width	2.52 m (8 ft. 4 in.)	2.52 m (8 ft. 4 in.)
Breakout Force	8000 kg (17,637 lb.)	8000 kg (17,637 lb.)
Tipping Load, Straight, No Tire Deflection	7556 kg (16,637 lb.)	9539 kg (21,006 lb.)
Tipping Load, Straight, With Tire Deflection	7161 kg (15,768 lb.)	9009 kg (19,838 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	6606 kg (14,546 lb.)	8267 kg (18,205 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	6120 kg (13,476 lb.)	7614 kg (16,766 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, No Tire Deflection (conforms to ISO 14397-1)*	3303 kg (7,273 lb.)	4134 kg (9,102 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	3060 kg (6,738 lb.)	3807 kg (8,383 lb.)
Operating Weight	10 026 kg (22,077 lb.)	10 880 kg (23,958 lb.)

Loader operating information is based on machine with identified linkage and standard equipment, John Deere PowerTech E 4045H (EPA Tier 3/EU Stage IIIA) engine, ROPS cab, transmission side-frame guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments..

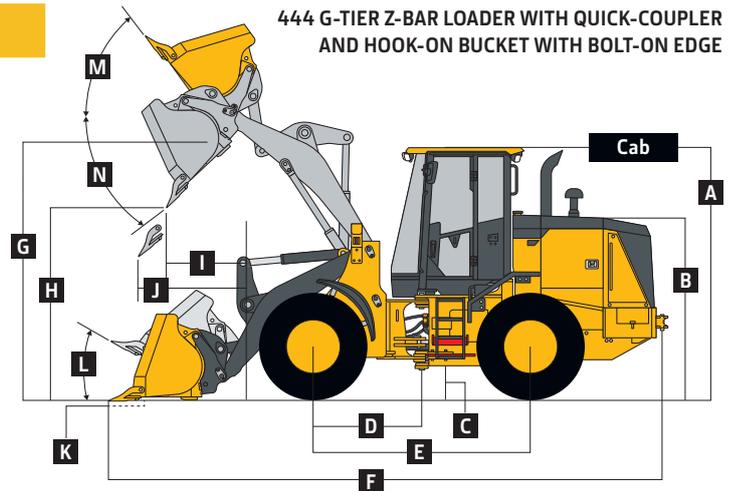
\*Rated operating capacity based on Deere attachments only.

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## Dimensions and Specifications With Hi-Vis Coupler and Hook-On Bucket

## 444 G-TIER Z-BAR



444 G-TIER Z-BAR LOADER WITH QUICK-COUPLER AND HOOK-ON BUCKET WITH BOLT-ON EDGE

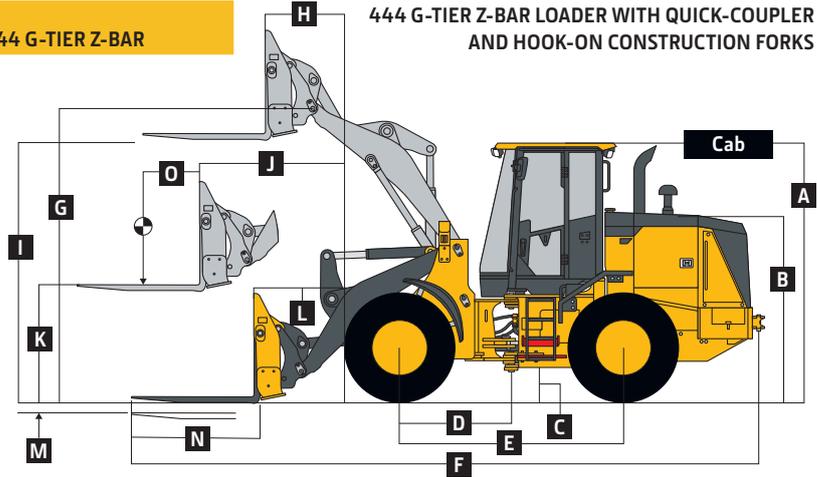
	Z-Bar	Z-Bar (with concrete counterweight)
<b>Dimensions With Bucket</b>	<i>1.9-m<sup>3</sup> (2.5 cu. yd.) general-purpose with bolt-on edge</i>	<i>1.9-m<sup>3</sup> (2.5 cu. yd.) general-purpose with bolt-on edge</i>
A Height to Top of Cab	3.1264 m (10 ft. 3 in.)	3.1264 m (10 ft. 3 in.)
B Hood Height	2.263 m (7 ft. 5 in.)	2.263 m (7 ft. 5 in.)
C Ground Clearance	349 mm (13.75 in.)	349 mm (13.75 in.)
D Length From Centerline to Front Axle	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)
E Wheelbase	2.76 m (9 ft. 6 in.)	2.76 m (9 ft. 6 in.)
F Overall Length, Bucket on Ground	6.909 m (22 ft. 8 in.)	7.189 m (23 ft. 7 in.)
G Height to Hinge Pin, Fully Raised	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)
H Dump Clearance, 45 deg., Full Height	2.52 m (8 ft. 3 in.)	2.52 m (8 ft. 3 in.)
I Reach, 45-deg. Dump, Full Height	1.15 m (3 ft. 9 in.)	1.15 m (3 ft. 9 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.47 m (4 ft. 10 in.)	1.47 m (4 ft. 10 in.)
K Maximum Digging Depth	174 mm (6.8 in.)	174 mm (6.8 in.)
L Maximum Rollback at Ground Level	41 deg.	41 deg.
M Maximum Rollback, Boom Fully Raised	55 deg.	55 deg.
N Maximum Bucket Dump Angle, Fully Raised	50 deg.	50 deg.
Loader Clearance Circle, Bucket Carry Position	11.19 m (36 ft. 8 in.)	11.19 m (36 ft. 8 in.)
<b>Specifications With Bucket</b>		
Capacity, Heaped	1.9 m <sup>3</sup> (2.5 cu. yd.)	1.9 m <sup>3</sup> (2.5 cu. yd.)
Capacity, Struck	1.6 m <sup>3</sup> (2.1 cu. yd.)	1.6 m <sup>3</sup> (2.1 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	1230 kg (2,708 lb.)	1230 kg (2,708 lb.)
Bucket Width	2.52 m (8 ft. 3 in.)	2.52 m (8 ft. 3 in.)
Breakout Force	6700 kg (14,753 lb.)	6700 kg (14,753 lb.)
Tipping Load, Straight, No Tire Deflection	6726 kg (14,811 lb.)	8591 kg (18,917 lb.)
Tipping Load, Straight, With Tire Deflection	6363 kg (14,011 lb.)	8109 kg (17,856 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	5833 kg (12,844 lb.)	7395 kg (16,284 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	5385 kg (11,858 lb.)	6789 kg (14,949 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, No Tire Deflection (conforms to ISO 14397-1)*	2917 kg (6,422 lb.)	3698 kg (8,142 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	2693 kg (5,929 lb.)	3395 kg (7,475 lb.)
Operating Weight	10 419 kg (22,943 lb.)	11 273 kg (24,823 lb.)
<i>Loader operating information is based on machine with identified linkage and standard equipment, John Deere PowerTech E 4045H (EPA Tier 3/EU Stage IIIA) engine, ROPS cab, transmission side-frame 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>		

\*Rated operating capacity based on Deere attachments only.

**Dimensions and Specifications With Hi-Vis Coupler and Construction Forks**

**444 G-TIER Z-BAR**

**444 G-TIER Z-BAR LOADER WITH QUICK-COUPLER AND HOOK-ON CONSTRUCTION FORKS**



	Z-Bar	Z-Bar (with concrete counterweight)
<b>Dimensions With Forks</b>	1.52-m (60 in.) tine length	1.52-m (60 in.) tine length
A Height to Top of Cab	3.1264 m (10 ft. 3 in.)	3.1264 m (10 ft. 3 in.)
B Hood Height	2.263 m (7 ft. 5 in.)	2.263 m (7 ft. 5 in.)
C Ground Clearance	349 mm (13.75 in.)	349 mm (13.75 in.)
D Length From Centerline to Front Axle	1.37 m (4 ft. 6 in.)	1.37 m (4 ft. 6 in.)
E Wheelbase	2.76 m (9 ft. 6 in.)	2.76 m (9 ft. 6 in.)
F Overall Length, Forks on Ground	7.68 m (25 ft. 2 in.)	7.96 m (26 ft. 2 in.)
G Height to Hinge Pin, Fully Raised	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)
H Reach, Fully Raised	0.93 m (3 ft. 1 in.)	0.93 m (3 ft. 1 in.)
I Fork Height, Fully Raised	3.38 m (11 ft. 1 in.)	3.38 m (11 ft. 1 in.)
J Maximum Reach, Fork Level	1.64 m (5 ft. 4 in.)	1.64 m (5 ft. 4 in.)
K Fork Height, Maximum Reach	1.64 m (5 ft. 5 in.)	1.64 m (5 ft. 5 in.)
L Reach, Ground Level	1.10 m (3 ft. 8 in.)	1.10 m (3 ft. 8 in.)
M Depth Below Ground	194 mm (7.6 in.)	194 mm (7.6 in.)
N Tine Length	1.52 m (60 in.)	1.52 m (60 in.)
O Load Position, 50% Tine Length	0.76 m (30 in.)	0.76 m (30 in.)

**Specifications With Forks**

Tipping Load, Straight, No Tire Deflection	4366 kg (9,614 lb.)	5616 kg (12,367 lb.)
Tipping Load, Straight, With Tire Deflection	4233 kg (9,321 lb.)	5451 kg (12,003 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	3767 kg (8,296 lb.)	4814 kg (10,602 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	3594 kg (7914 lb.)	4605 kg (10,140 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1 and SAE J1197)*	1797 kg (3,957 lb.)	2303 kg (5,071 lb.)
Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load, With Tire Deflection (conforms to EN474-3)*	2156 kg (4,748 lb.)	2763 kg (6,084 lb.)
Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load, With Tire Deflection (conforms to EN474-3)*	2875 kg (6,331 lb.)	3684 kg (8,112 lb.)
Operating Weight	10,450 kg (23,011 lb.)	11 304 kg (24,892 lb.)

Loader operating information is based on machine with identified linkage and standard equipment, John Deere PowerTech E 4045H (EPA Tier 3/EU Stage IIIA) engine, ROPS cab, transmission side-frame 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 1.9-m<sup>3</sup> (2.5 cu. yd.) general-purpose 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 1-piece rims	Operating Weight	Tipping Load, Straight	Tipping Load, 40-deg. Full Turn	Tread Width	Width Over Tires	Vertical Height
Titan 17.5-25 12 PR L2 (with 3-piece rims)	0 kg (0 lb.)	0 kg (0 lb.)	0 kg (0 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)
Titan 17.5-25 16 PR L2	-140 kg (-308 lb.)	-100 kg (-220 lb.)	-88 kg (-194 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)
Firestone 17.5-25 16 PR L3 (with 3-piece rims)	-8 kg (-18 lb.)	-6 kg (-13 lb.)	-5 kg (-11 lb.)	0 mm (0 in.)	+19 mm (+0.75 in.)	+11 mm (+0.4 in.)
Michelin 20.5 R 25 L2 1-Star XTLA <sup>8</sup>	+352 kg (+775 lb.)	+251 kg (+553 lb.)	+222 kg (+489 lb.)	+50 mm (+2.0 in.)	+144 mm (+5.7 in.)	+80 mm (+3.15 in.)
Firestone 20.5-25 L3 16 PR Bias <sup>8</sup>	+212 kg (+467 lb.)	+151 kg (+333 lb.)	+133 kg (+293 lb.)	+50 mm (+2.0 in.)	+144 mm (+5.7 in.)	+64 mm (+2.5 in.)
Titan 20.5-25 L3 16 PR <sup>8</sup>	+248 kg (+546 lb.)	+177 kg (+390 lb.)	+156 kg (+344 lb.)	+50 mm (+1.9 in.)	+144 mm (+5.7 in.)	+41 mm (+1.5 in.)
Titan 17.5 R 25 L2 1-Star General Purpose	+116 kg (+255 lb.)	+83 kg (+183 lb.)	+73 kg (+161 lb.)	0 mm (0 in.)	+7 mm (+0.3 in.)	+19 mm (+0.75 in.)
Michelin 17.5 R 25 L2 1-Star General Purpose	+62 kg (+137 lb.)	+44 kg (+97 lb.)	+39 kg (+86 lb.)	0 mm (0 in.)	+21 mm (+0.8 in.)	+7 mm (+0.3 in.)
Bridgestone 17.5 R 25 L2 1-Star General Purpose	+114 kg (+251 lb.)	+81 kg (+178 lb.)	+72 kg (+159 lb.)	0 mm (0 in.)	+1 mm (±0.04 in.)	+19 mm (+0.75 in.)
Hydraulic Fan Drive	+31 kg (+68 lb.)	+71 kg (+156 lb.)	+60 kg (+132 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)

\*May change based on vehicle configuration, weight, or tire-pressure adjustments. / <sup>8</sup>Requires 8-deg. rear axle stops.



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