

324L - FOUR WHEEL DRIVE LOADER

20-Aug-2020

Code	Description	Qty	List Price(USD)
0AG0T	324L - FOUR WHEEL DRIVE LOADER	1	\$111,203.00

Option Codes

2210	Standard Cloth Seat, Mid-Back, Mechanical Suspension	1	No Added Cost
2410	Standard Control Package	1	No Added Cost
0924	Engine	1	\$4,537.00
2840	Three Function, Joystick w/FNR Control	1	No Added Cost
3000	Less Ride Control	1	No Added Cost
4025	Mitas EM01	1	No Added Cost
2010	Standard Z-bar linkage	1	No Added Cost
7120	Halogen Work Lights - Cab	1	\$256.00
8545	Less Coupler / Coupler Ready	1	No Added Cost

Field Installed Attachments

AT41323	2.1 cu. yd. (1.6 cu. m.) Light Material Bucket with Skid		
8	Shoes and Bolt-on Cutting Edge for Quik Tatch	1	\$4,288.00

Total **\$120,284.00**

Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.



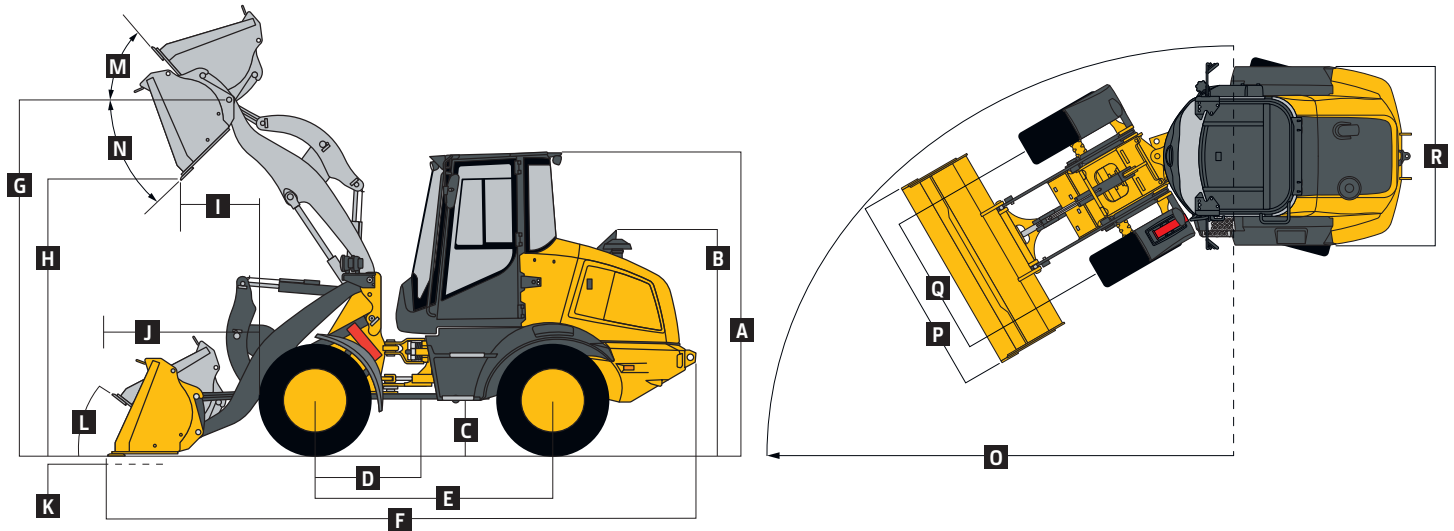
324L SPECIFICATIONS

Engine	324L
Manufacturer and Model	Yanmar 4TNV98CT
Non-Road Emission Standard	EPA Final Tier 4 (FT4)
Cylinders	4
Valves per Cylinder	4
Displacement	3.3 L (203 cu. in.)
Net Peak Power at 2,400 rpm (SAE J1349 / ISO 9249)	52 kW (71 hp)
Gross Rated Power at 2,400 rpm (ISO 14396)	54 kW (73 hp)
Peak Torque at 1,560 rpm	280 Nm (206 lb.-ft.)
Engine Bore and Stroke	98 x 110 mm (3.89 x 4.33 in.)
Lubrication	Pressure system with full-flow spin-on filter
Aspiration	Turbocharged
Air Cleaner	Dual safety element dry type
Cooling	
Fan	Hydraulically driven, proportionally controlled
Engine Coolant Rating	-37 deg. C (-34 deg. F)
Powertrain	
Type	Hydrostatic (HST) with infinitely variable speed control over full range of operating speeds; 2 speed ranges; joystick-mounted F-N-R; acceleration pedal; HST inching pedal, which allows infinitely reduced travel speeds while maintaining full engine rpm and hydraulic flow
2 Travel Speeds in Forward and Reverse (equipped with 405/70R20 tires)	
Gear 1	18 km/h (11.0 mph)
Gear 2	38 km/h (23.5 mph)
Axles	Fixed, 100% differential, manually engaged front axle; fixed, conventional differential rear axle
Rear Axle Oscillation Versus Front Axle	16 deg. total, stop to stop
Differentials	Manual (push-button) 100% locking front, conventional rear
Maximum Rise and Fall, Single Wheel	370 mm (14.5 in.)
Steering	Hydraulic power steering (SAE J1511); 30-deg. articulation left and right with mechanical-actuated rear-wheel steering
Steering Wheel Turns, Stop to Stop	4¼ (2 left / 2¼ right)
Articulation Angle	60-deg. arc (30 deg. each direction)
Final Drive	Heavy-duty outboard planetary
Brakes (SAE J1473 / ISO 3450)	
Service Brakes	Hydraulically actuated, self-adjusting internal wet-disc brake and driveline drum brake
Parking Brake	Automatically spring-applied, hydraulically released, internal wet disc
Hydraulics	
Main Pump (loader and steering)	Fixed-displacement gear pump; open-center system
Standard	93 L/m (25 gpm)
Total with High-Flow Option	132 L/m (35 gpm)
Maximum Pressure at Couplings	21 000 kPa (3,045 psi)
System Relief Pressure	
Loader	18 960 kPa (2,750 psi)
Steering	18 000 kPa (2,611 psi)
Hydraulic Cycle Times	
Raise	5.6 sec.
Dump	2.0 sec.
Lower	4.4 sec.
Total	12.0 sec.
Controls	Pilot-operated, 3-function valve with single-lever control for boom and bucket, standard pin disconnect and 3rd-function proportional electrohydraulic (EH) auxiliary hydraulics
Cylinders	
Type	Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins
Electrical	
Type	Electrical load center with blade-type multi-fused circuits
Voltage	12 volt

324L SPECIFICATIONS



Electrical (continued)		324L	
Number of Batteries	1		
Battery Capacity	925 CCA		
Alternator Rating	80 amp		
Lights (SAE 99)	Driving/front working lights (2), turn signals, flashers, and stop- and taillights		
Operator Station			
Noise Level			
Operator Ear (ISO 6396)	68 dBA		
Bystander (ISO 6395)	101 dBA		
Tires/Wheels			
Tires on Single-Piece Rims	Tread Width*	Width Over Tires†	Change in Vertical Height
405/70R18 Firestone Duraforce (standard)	1630 mm (5 ft. 4 in.)	2090 mm (6 ft. 10 in.)	0 mm (0 in.)
405/70R20 Mitas EM-01 (optional)	1630 mm (5 ft. 4 in.)	2090 mm (6 ft. 10 in.)	+27 mm (+1.0 in.)
400/70R20 Michelin Bibload (optional)	1630 mm (5 ft. 4 in.)	2080 mm (6 ft. 10 in.)	+15 mm (+1.0 in.)
400/70R20 Michelin XMCL (optional)	1630 mm (5 ft. 4 in.)	2090 mm (6 ft. 10 in.)	+21 mm (+1.0 in.)
*Also see Q in Dimensions section on pages 20 and 22. / †Also see R in Dimensions section on pages 20 and 22.			
Serviceability			
Refill Capacities			
Cooling System (engine and radiator)	12.1 L (12.7 qt.)		
Differential and Planetary Axle			
Front	7.4 L (7.8 qt.)		
Rear	6.8 L (7.2 qt.)		
Engine Oil with Filter	10 L (10.8 qt.)		
Fuel Tank	90 L (23.8 gal.)		
Hydraulic/HST Reservoir with Filter	66 L (17.4 gal.)		
HST Motor Gearbox	1.7 L (1.8 qt.)		
Front/Rear Axle Planetary Hubs (each)	0.8 L (1.0 qt.)		
Operating Weights			
With standard equipment, 405/70R20 tires, standard counterweight, cab, 79-kg (175 lb.) operator, and full fuel tank			
ISO Quick-Coupler			
With 1.1-m³ (1.4 cu. yd.) Stockpiling/General-Purpose Bucket with Bolt-On Edge	6400 kg (14,110 lb.)		
With 1.6-m³ (2.1 cu. yd.) Stockpiling/General-Purpose Bucket with Bolt-On Edge	6465 kg (14,253 lb.)		
With Fork	6175 kg (13,614 lb.)		
Quik-Tatch™ Quick-Coupler			
With 1.1-m³ (1.4 cu. yd.) Stockpiling/General-Purpose Bucket with Bolt-On Edge	6590 kg (14,528 lb.)		
With 1.6-m³ (2.1 cu. yd.) Stockpiling/General-Purpose Bucket with Bolt-On Edge	6675 kg (14,716 lb.)		
With Fork	6290 kg (13,867 lb.)		
Optional Components			
ISO Quick-Coupler			
0.8-m³ (1.0 cu. yd.) General-Purpose Bucket with Bolt-On Edge	337 kg (743 lb.)		
1.1-m³ (1.4 cu. yd.) Stockpiling/General-Purpose Bucket with Bolt-On Edge	457 kg (1,008 lb.)		
1.6-m³ (2.1 cu. yd.) Light-Material Bucket with Bolt-On Cutting Edge	520 kg (1,146 lb.)		
Fork Frame and Forks (Class 2)	240 kg (511 lb.)		
Quik-Tatch Quick-Coupler			
0.8-m³ (1.0 cu. yd.) General-Purpose Bucket with Bolt-On Edge	535 kg (1,179 lb.)		
1.1-m³ (1.4 cu. yd.) Stockpiling/General-Purpose Bucket with Bolt-On Edge	645 kg (1,421 lb.)		
1.6-m³ (2.1 cu. yd.) Light-Material Bucket with Bolt-On Cutting Edge	730 kg (1,609 lb.)		
Fork Frame and Severe-Duty (SD) Forks (Class 3B)	336 kg (741 lb.)		



324L STANDARD-LINKAGE / HIGH-LIFT-LINKAGE LOADERS WITH ISO QUICK-COUPLER AND BUCKET

	Standard Linkage 1.1-m ³ (1.4 cu. yd.) stock- piling/general-purpose with bolt-on edge	Standard Linkage 1.6-m ³ (2.1 cu. yd.) light-material with bolt-on edge	High-Lift Linkage 0.8-m ³ (1.0 cu. yd.) with bolt-on edge	High-Lift Linkage 1.6-m ³ (2.1 cu. yd.) with bolt-on edge
Dimensions with ISO Quick-Coupler and Bucket				
A Height to Top of Cab	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)
B Height to Top of Exhaust	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)
C Ground Clearance	295 mm (12 in.)	295 mm (12 in.)	295 mm (12 in.)	295 mm (12 in.)
D Length from Centerline to Front Axle	750 mm (30 in.)	750 mm (30 in.)	750 mm (30 in.)	750 mm (30 in.)
E Wheelbase	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)
F Overall Length, Bucket on Ground	5.65 m (18 ft. 6 in.)	5.83 m (19 ft. 1 in.)	6.03 m (19 ft. 9 in.)	6.21 m (20 ft. 4 in.)
G Height to Hinge Pin, Fully Raised	3.35 m (11 ft. 0 in.)	3.35 m (11 ft. 0 in.)	3.79 m (12 ft. 5 in.)	3.79 m (12 ft. 5 in.)
H Dump Clearance, 42-deg. ^a Full Height	2.61 m (8 ft. 7 in.)	2.52 m (8 ft. 3 in.)	3.13 m (10 ft. 3 in.)	3.00 m (9 ft. 10 in.)
I Reach, 42-deg. ^a Dump, Full Height	920 mm (3 ft. 0 in.)	950 mm (3 ft. 1 in.)	865 mm (34 in.)	934 mm (3 ft. 1 in.)
J Maximum Dump Reach, 42-deg. Dump	1.66 m (5 ft. 5 in.)	1.69 m (5 ft. 6 in.)	1.93 m (6 ft. 4 in.)	2.00 m (6 ft. 7 in.)
K Maximum Digging Depth	90 mm (3.5 in.)	90 mm (3.5 in.)	97 mm (3.8 in.)	97 mm (3.8 in.)
L Maximum Rollback at Ground Level	40 deg.	40 deg.	40 deg.	40 deg.
M Maximum Rollback at Full Height	55 deg.	55 deg.	54 deg.	54 deg.
N Bucket Dump at Full Height	42 deg.	42 deg.	38 deg.	38 deg.
O Turning Circle Radius Over Outside of Bucket Edge	4.14 m (13 ft. 7 in.)	4.28 m (14 ft. 0 in.)	4.21 m (13 ft. 10 in.)	4.49 m (14 ft. 9 in.)
P Bucket Width	2.20 m (7 ft. 3 in.)	2.40 m (7 ft. 10 in.)	1.90 m (6 ft. 3 in.)	2.40 m (7 ft. 10 in.)
Q Tread Width (standard) [§]	1630 mm (5 ft. 4 in.)	1630 mm (5 ft. 4 in.)	1630 mm (5 ft. 4 in.)	1630 mm (5 ft. 4 in.)
R Width Over Tires (standard) [§]	2090 mm (6 ft. 10 in.)	2090 mm (6 ft. 10 in.)	2090 mm (6 ft. 10 in.)	2090 mm (6 ft. 10 in.)
Loader Clearance Circle, Bucket Carry Position	8.28 m (27 ft. 2 in.)	8.55 m (28 ft. 1 in.)	8.42 m (27 ft. 7 in.)	8.98 m (29 ft. 6 in.)

^a38 deg. for High-Lift Linkage.

[§]Also see **Tires/Wheels** section on page 19.

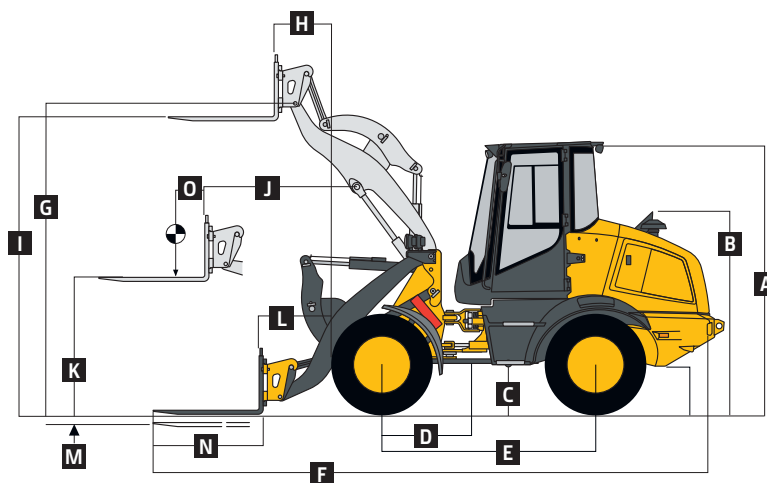
Specifications with ISO Quick-Coupler and Bucket

Capacity, Heaped (SAE)	1.1 m ³ (1.4 cu. yd.)	1.6 m ³ (2.1 cu. yd.)	0.8 m ³ (1.0 cu. yd.)	1.6 m ³ (2.1 cu. yd.)
Capacity, Struck (SAE)	0.9 m ³ (1.2 cu. yd.)	1.4 m ³ (1.8 cu. yd.)	0.66 m ³ (0.86 cu. yd.)	1.4 m ³ (1.8 cu. yd.)
Breakout Force (SAE J732C)	5650 kg (12,456 lb.)	5180 kg (11,420 lb.)	6000 kg (13,228 lb.)	5160 kg (11,376 lb.)
Tipping Load, Straight	4850 kg (10,692 lb.)	4750 kg (10,472 lb.)	4280 kg (9,436 lb.)	4040 kg (8,907 lb.)
Tipping Load, Full Turn (SAE)	4430 kg (9,766 lb.)	4320 kg (9,524 lb.)	3890 kg (8,576 lb.)	3670 kg (8,091 lb.)
Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)*	2215 kg (4,883 lb.)	2160 kg (4,762 lb.)	1945 kg (4,288 lb.)	1835 kg (4,045 lb.)

*Rated operating capacity based on Deere attachments only.

**Dimensions and Specifications with
ISO Quick-Coupler and Fork**

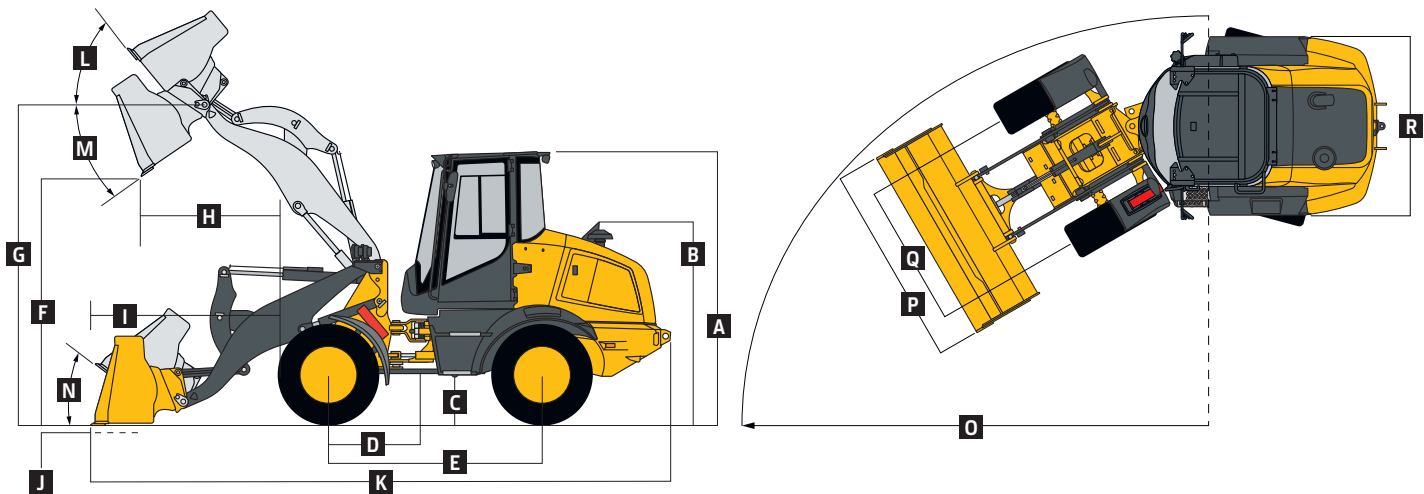
324L


324L STANDARD-LINKAGE / HIGH-LIFT-LINKAGE LOADERS WITH ISO QUICK-COUPLER AND FORK

	<i>Standard Linkage</i>	<i>High-Lift Linkage</i>
Dimensions with ISO Quick-Coupler and Fork	<i>1.20-m (48 in.) tine length</i>	<i>1.20-m (48 in.) tine length</i>
A Height to Top of Cab	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)
B Height to Top of Exhaust	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)
C Ground Clearance	295 mm (12 in.)	295 mm (12 in.)
D Length from Centerline to Front Axle	750 mm (30 in.)	750 mm (30 in.)
E Wheelbase	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)
F Overall Length, Forks on Ground	6.23 m (20 ft. 5 in.)	6.62 m (21 ft. 9 in.)
G Height to Hinge Pin, Fully Raised	3.35 m (11 ft. 0 in.)	3.79 m (12 ft. 5 in.)
H Reach, Fully Raised	570 mm (22 in.)	500 mm (20 in.)
I Fork Height, Fully Raised	3.18 m (10 ft. 5 in.)	3.62 m (11 ft. 10 in.)
J Maximum Reach, Fork Level	1.33 m (4 ft. 4 in.)	1.34 m (4 ft. 5 in.)
K Fork Height, Maximum Reach	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)
L Reach, Ground Level	815 mm (32 in.)	1200 mm (4 ft. 0 in.)
M Depth Below Ground	65 mm (2.6 in.)	85 mm (3.3 in.)
N Tine Length	1.20 m (48 in.)	1.20 m (48 in.)
O Load Position, 50% Tine Length	600 mm (24 in.)	600 mm (24 in.)
Specifications with ISO Quick-Coupler and Fork	<i>As measured with fork level, centered on tine</i>	<i>As measured with fork level, centered on tine</i>
Tipping Load, Straight	3840 kg (8,466 lb.)	3400 kg (7,496 lb.)
Tipping Load, Full Turn (SAE)	3500 kg (7,716 lb.)	3090 kg (6,812 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load (conforms to SAE J1197 / ISO 14397-1)*	1750 kg (3,858 lb.) [†]	1545 kg (3,406 lb.) [†]
Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load (conforms to EN474-3)*	2100 kg (4,630 lb.) [†]	1850 kg (4,079 lb.) [†]
Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load (conforms to EN474-3)*	2500 kg (5,512 lb.) ^{†§}	2470 kg (5,445 lb.) [†]

*Rated operating capacity based on Deere attachments only. / [†]Payload on forks is limited by tilt cylinder.

[§]2,500-kg (5,512 lb.) maximum load capacity for the fork carrier (for standard linkage only).



324L STANDARD-LINKAGE / HIGH-LIFT-LINKAGE LOADERS WITH QUIK-TATCH COUPLER AND BUCKET

	Standard Linkage 1.1-m³ (1.4 cu. yd.) stock- piling/general-purpose with bolt-on edge	Standard Linkage 1.6-m³ (2.1 cu. yd.) light-material with bolt-on edge	High-Lift Linkage 0.8-m³ (1.0 cu. yd.) stock- piling/general-purpose with bolt-on edge	High-Lift Linkage 1.6-m³ (2.1 cu. yd.) light-material with bolt-on edge
Dimensions with Quik-Tatch Coupler and Bucket				
A Height to Top of Cab	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)
B Height to Top of Exhaust	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)
C Ground Clearance	295 mm (12 in.)	295 mm (12 in.)	295 mm (12 in.)	295 mm (12 in.)
D Length from Centerline to Front Axle	750 mm (30 in.)	750 mm (30 in.)	750 mm (30 in.)	750 mm (30 in.)
E Wheelbase	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)
F Dump Clearance, 40-deg. ^A Full Height	2.52 m (8 ft. 3 in.)	2.45 m (8 ft. 0 in.)	3.06 m (10 ft. 0 in.)	2.95 m (9 ft. 8 in.)
G Height to Hinge Pin, Fully Raised	3.35 m (11 ft. 0 in.)	3.35 m (11 ft. 0 in.)	3.79 m (12 ft. 5 in.)	3.79 m (12 ft. 5 in.)
H Reach, 40-deg. ^A Dump, Full Height	1.90 m (6 ft. 3 in.)	1.99 m (6 ft. 6 in.)	1.10 m (3 ft. 7 in.)	1.26 m (4 ft. 2 in.)
I Maximum Dump Reach, 42 deg.	1.16 m (3 ft. 10 in.)	1.26 m (4 ft. 1 in.)	2.15 m (7 ft. 1 in.)	2.40 m (7 ft. 10 in.)
J Maximum Digging Depth	69 mm (2.7 in.)	69 mm (2.7 in.)	80 mm (3.1 in.)	80 mm (3.1 in.)
K Overall Length, Bucket on Ground	5.91 m (19 ft. 5 in.)	6.04 m (19 ft. 10 in.)	6.26 m (20 ft. 6 in.)	6.45 m (21 ft. 2 in.)
L Maximum Rollback at Full Height	58 deg.	58 deg.	56 deg.	56 deg.
M Bucket Dump at Full Height	40 deg.	40 deg.	42 deg.	42 deg.
N Maximum Rollback at Ground Level	50 deg.	50 deg.	40 deg.	40 deg.
O Turning Circle Radius Over Outside of Bucket Edge	4.19 m (13 ft. 9 in.)	4.32 m (14 ft. 2 in.)	4.26 m (14 ft. 0 in.)	4.54 m (14 ft. 11 in.)
P Bucket Width	2.20 m (7 ft. 3 in.)	2.40 m (7 ft. 10 in.)	2.20 m (7 ft. 3 in.)	2.40 m (7 ft. 10 in.)
Q Tread Width (standard) ^B	1630 mm (5 ft. 4 in.)	1630 mm (5 ft. 4 in.)	1630 mm (5 ft. 4 in.)	1630 mm (5 ft. 4 in.)
R Width Over Tires (standard) ^B	2090 mm (6 ft. 10 in.)	2090 mm (6 ft. 10 in.)	2090 mm (6 ft. 10 in.)	2090 mm (6 ft. 10 in.)
Loader Clearance Circle, Bucket Carry Position	8.37 m (27 ft. 6 in.)	8.63 m (28 ft. 4 in.)	8.52 m (27 ft. 11 in.)	9.07 m (29 ft. 9 in.)

^A35 deg. for High-Lift Linkage.

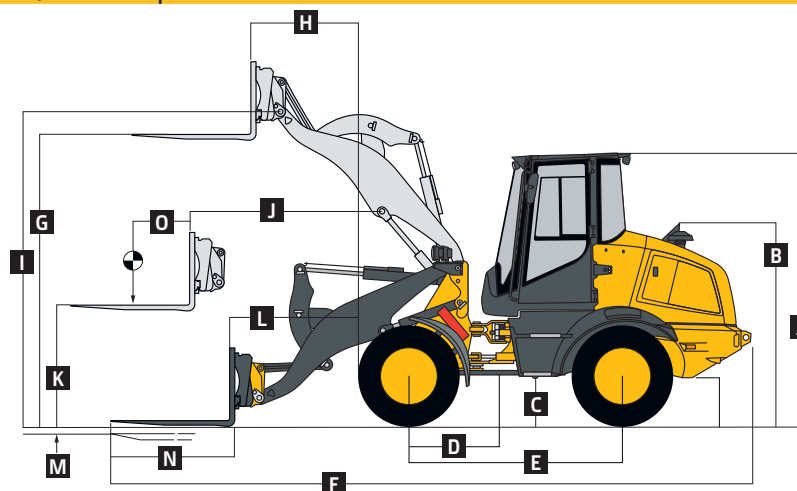
^BAlso see **Tires/Wheels** section on page 19.

Specifications with Quik-Tatch Coupler and Bucket

Capacity, Heaped (SAE)	1.1 m³ (1.4 cu. yd.)	1.6 m³ (2.0 cu. yd.)	0.8 m³ (1.0 cu. yd.)	1.6 m³ (2.1 cu. yd.)
Capacity, Struck (SAE)	0.9 m³ (1.2 cu. yd.)	1.4 m³ (1.8 cu. yd.)	0.66 m³ (0.86 cu. yd.)	1.4 m³ (1.8 cu. yd.)
Breakout Force (SAE J732C)	4590 kg (10,119 lb.)	3875 kg (8,543 lb.)	5100 kg (11,244 lb.)	3960 kg (8,730 lb.)
Tipping Load, Straight	4625 kg (10,196 lb.)	3520 kg (7,760 lb.)	3685 kg (8,124 lb.)	3450 kg (7,606 lb.)
Tipping Load, Full Turn (SAE)	4200 kg (9,259 lb.)	4100 kg (9,039 lb.)	3350 kg (7,385 lb.)	3140 kg (6,923 lb.)
Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)*	2100 kg (4,630 lb.)	2050 kg (4,519 lb.)	1675 kg (3,693 lb.)	1570 kg (3,461 lb.)

*Rated operating capacity based on Deere attachments only.

Dimensions and Specifications with Quik-Tatch Coupler and Fork 324L



324L STANDARD-LINKAGE / HIGH-LIFT-LINKAGE LOADERS WITH QUIK-TATCH COUPLER AND FORK

Dimensions with Quik-Tatch Coupler and Fork	Standard Linkage 1.20-m (48 in.) tine length	High-Lift Linkage 1.20-m (48 in.) tine length
A Height to Top of Cab	2.78 m (9 ft. 1 in.)	2.78 m (9 ft. 1 in.)
B Height to Top of Exhaust	2.01 m (6 ft. 7 in.)	2.01 m (6 ft. 7 in.)
C Ground Clearance	295 mm (12 in.)	295 mm (12 in.)
D Length from Centerline to Front Axle	750 mm (30 in.)	750 mm (30 in.)
E Wheelbase	2.30 m (7 ft. 7 in.)	2.30 m (7 ft. 7 in.)
F Overall Length, Forks on Ground	6.30 m (20 ft. 8 in.)	6.66 m (21 ft. 10 in.)
G Height to Hinge Pin, Fully Raised	3.35 m (11 ft. 0 in.)	3.79 m (12 ft. 5 in.)
H Reach, Fully Raised	615 mm (24 in.)	580 mm (23 in.)
I Fork Height, Fully Raised	3.15 m (10 ft. 4 in.)	3.59 m (11 ft. 9 in.)
J Maximum Reach, Fork Level	1.37 m (4 ft. 6 in.)	1.70 m (5 ft. 7 in.)
K Fork Height, Maximum Reach	1.46 m (4 ft. 9 in.)	1.46 m (4 ft. 9 in.)
L Reach, Ground Level	855 mm (34 in.)	1240 mm (4 ft. 1 in.)
M Depth Below Ground	95 mm (4 in.)	110 mm (4.3 in.)
N Tine Length	1.20 m (48 in.)	1.20 m (48 in.)
O Load Position, 50% Tine Length	600 mm (24 in.)	600 mm (24 in.)
Specifications with Quik-Tatch Coupler and Fork	<i>As measured with fork level, centered on tine</i>	<i>As measured with fork level, centered on tine</i>
Tipping Load, Straight	3690 kg (8,135 lb.)	3250 kg (7,165 lb.)
Tipping Load, Full Turn (SAE)	3350 kg (7,385 lb.)	2960 kg (6,526 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load (conforms to SAE J1197 / ISO 14397-1)*	1675 kg (3,693 lb.)†	1480 kg (3,263 lb.)†
Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load (conforms to EN474-3)*	2000 kg (4,409 lb.)†	1770 kg (3,902 lb.)†
Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load (conforms to EN474-3)*	2500 kg (5,512 lb.)‡§	2370 kg (5,225 lb.)†

*Rated operating capacity based on Deere attachments only.

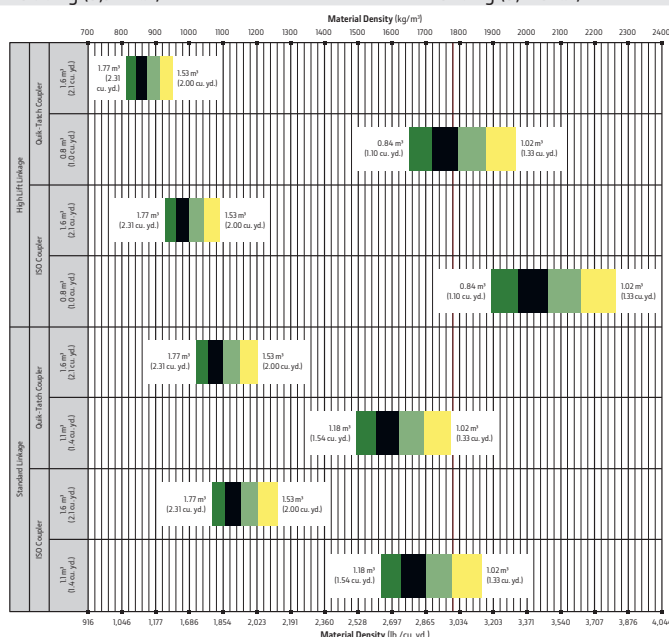
†Payload on forks is limited by tilt cylinder.

‡§2,500-kg (5,512 lb.) maximum load capacity for the fork carrier (for standard linkage only).

Bucket Selection Guide*

LOOSE MATERIALS	kg/m³	lb./cu. yd.	LOOSE MATERIALS	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			

Bucket Fill Factors



Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

244L	324L	344L	Engine
●	●	●	Antifreeze, -37 deg. C (-34 deg. F)
●	●	●	Coolant recovery tank
●	●	●	Fan safety guard
●	●	●	Fan, suction type, hydraulically driven, proportional speed
●	●	●	Environmentally friendly engine oil drain
●	●	●	Spin-on engine oil and fuel filter
●	●	●	Engine oil cooler
●	●	●	Quick-release fuel filter and water separator
●	●	●	Under-hood dual-element air cleaner with restriction indicator with dust-evacuator valve
●	●	●	Prescreened air intake
●	●	●	Automatic glow plugs for cold start
▲	▲	▲	Engine coolant heater, 110 volts
Electrical			
●	●	●	Starter switch with electric fuel cutoff
●	●	●	12-volt system
●	●	●	Electrical load center with blade-type fuses behind operator's seat
●	●	●	Standard 925-CCA battery
●	●	●	Standard batteries (2), 12 volt with 1,700 CCA, 176-min. rated reserve
●	●	●	Master electrical disconnect switch
●	●	●	Alternator, 12 volts (80 amps for 244L and 324L, 90 amps for 344L)
●	●	●	Horn (conforms to SAE J994 / J1446)
●	●	●	Lights (conform to SAE 99): Driving / Front working (2) / Turn signals / Flashers / Stop / Taillights
●	●	●	Worklights, rear (2)
●	●	●	Reverse warning alarm (conforms to SAE J994 / J1446)
●	●	●	Multifunction monitor with audible and visual warnings: Low engine oil pressure, engine coolant temperature, hydraulic oil temperature warning light, and parking brake indicator / Gauge and indicator: Engine coolant temperature gauge, fuel level gauge, speedometer, clock, and hour meter
●	●	●	Diesel exhaust fluid (DEF) gauge
●	●	●	Indicator lights: Engine air filter / Parking brake actuated / Forward/reverse travel / 1st- or 2nd-speed range / Turn signal and hazard lights / High-beam driving lights indicator / Battery voltage
●	●	●	Pre-wired for roof beacon
Powertrain/Brakes			
●	●	●	Smooth AutoShift technology up to 38 km/h (23 mph) for the 244L and 324L and 40 km/h (25 mph) for the 344L
●	●	●	Hydrostatic (HST) transmission: Electric shift control / Single-lever joystick F-N-R / HST oil cooler / Inching pedal / 2 speeds forward and reverse / Infinitely variable speed control

244L	324L	344L	Powertrain/Brakes (continued)
●	●	●	Rimpull control
●	●	●	Service brakes, hydraulically actuated, self-adjusting internal wet-disc brake and driveline drum brake
●	●	●	Parking brake, spring applied, hydraulically released, switch operated
●	●	●	Conventional-type rear differentials, 100% locking front differential
Hydraulic System			
●	●	●	Hydraulic fan for demand-based cooling
●	●	●	Hydraulic system oil cooler
●	●	●	Automatic bucket return-to-dig control
●	●	●	Boom float detent
●	●	●	Reservoir sight gauge for hydraulic/HST oil
●	●	●	Fine-micron hydraulic filters, vertical mounting
●	●	●	Hydraulic function lockout
●	●	●	2-function pressure-compensating hydraulic valve with pilot joystick control
●	●	●	3-function hydraulic valve with pilot joystick control including auxiliary electrohydraulic (EH) proportional control for 3rd function
●	●	▲	3-function pressure-compensating hydraulic valve with pilot joystick control including auxiliary EH proportional control for 3rd function
▲	▲	▲	109-L/m (28 gpm) high-flow option
●	●	●	132-L/m (35 gpm) high-flow option
●	●	●	Quick-coupler diagnostic ports: Priority pressure / Hydraulic pump pressure / Control valve pressure / HST pressure
Operator's Station			
●	●	●	Cab (conforms to SAE J1040, SAE J231, ISO 3471, and ISO 3449): ROPS/FOPS / Heater/defroster / Rubber-plane isolation mounted for noise/vibration reduction / Intermittent front and rear windshield wipers and washers / Tinted safety glass / Adjustable sun visor / Mid-back cloth seat with mechanical suspension / 51-mm (2 in.) retractable seat belt / Full swing-out left and right doors with sliding window in left door
▲	▲	▲	Premium air-ride high-back heated seat with headrest and dual lumbar control
●	●	●	Radio-ready cab, fused 12-volt radio electrical lead and speakers, and power port
▲	▲	▲	AM/FM/Weather-Band (WB) radio
●	●	●	Air conditioning
●	●	●	Storage compartment for operator's manual and other items located under operator seat and 2 options left of operator seat
●	●	●	Rubber floor mat

244L	324L	344L	Operator's Station (continued)
●	●	●	Dual tilt and telescoping steering column
●	●	●	Rearview mirrors, outside (2) and inside (1) (conform to SAE J985)
●	●	●	Handholds and steps, ergonomically located and slip resistant (conform to SAE J185)
▲	▲	▲	76-mm (3 in.) retractable seat belt
Loader Linkage			
●	●	●	Z-Bar loader linkage provides high bucket breakout
●	▲	▲	High-Lift linkage
●	●	●	Loader boom service locking bar (conforms to SAE J38)
Buckets and Attachments			
▲	▲	▲	Full line of buckets with bolt-on cutting edges
▲	▲	▲	ISO-style quick-coupler
▲	▲	▲	ISO-style quick-coupler (only used with the 344L)
▲	▲	▲	Quik-Tatch™ coupler
▲	▲	▲	Pallet forks
▲	▲	▲	Full line of construction utility forks, pallet forks, and other John Deere attachments*
Tires			
●	●	●	365/70R18 Mitas EM-01
▲	▲	▲	400/70R20 Michelin Bibload
▲	▲	▲	400/70R20 Michelin XMCL
▲	●	●	405/70R18 Firestone Duraforce
▲	▲	▲	405/70R20 Mitas EM-01
●	●	●	175R25EM, Goodyear SGL-D/L 2A, 12 PR 4S
▲	▲	▲	175R25EM, XHA2 L3 Michelin
▲	▲	▲	175R25 VUT L2 Bridgestone
▲	▲	▲	175R25EM, XTLA L2 Michelin
Other			
▲	▲	▲	LED worklights (spot or flood)
▲	▲	▲	Hydraulic reversing fan
▲	▲	▲	Front window guard
●	●	●	Fenders, front and rear
●	●	●	Articulation locking bar (conforms to SAE J276)
●	●	●	Vandal protection, includes lockable engine enclosure and fuel fill
●	●	●	Cast rear counterweight
●	●	●	Drawbar, with locking pin
●	●	●	Lift eyes
●	●	●	Tie-downs
▲	▲	▲	Fire extinguisher
▲	▲	▲	Material-weighing system†
▲	▲	▲	Ride control
▲	▲	▲	Rear machine guard
▲	▲	▲	Fuel tank guard
▲	▲	▲	JDLINK™ wireless communication system (available in specific countries; see your dealer for details)

*See your John Deere dealer for further information.

†Contact LOAD-RITE™.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity for the 244L and 324L, and at test conditions specified per ISO 9249 for the 344L. No derating is required up to 1500-m (5,000 ft.) altitude for the 244L and 324L, and up to 3050-m (10,000 ft.) for the 344L. Gross power is without cooling fan. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with all standard equipment, ROPS cabs, full fuel tanks, air conditioning off, and 79-kg (175 lb.) operators; a 244L unit with 365/70R18 tires; a 324L unit with 405/70R18 tires; and a 344L unit with 175R25EM, Goodyear SGL-D/L 2A, 12 PR 4S tires.

