

204K Loader

44 kW (59 net hp)



JOHN DEERE

FEATURES

2446-mm (8 ft.) overall height and 1905-mm (75 in.) width enable the 204K to navigate low and narrow entryways.

Standard canopy or optional air-conditioned/heated cab lets you choose the right operator environment for the job.

3.3-L naturally aspirated 44-kW (59 hp) diesel meets IT4 emission regulations without after-treatment devices.

Hydrostatic transmission's low and high ranges provide travel speeds to 20 km/h (12 mph).

Oscillating front loader frame reduces operator station tilt for a more stable ride.

Limited-slip front and rear axles help improve traction when a tire starts to spin.

Standard skid-style quick coupler and auxiliary hydraulics accommodate numerous attachments.



Engine	204K
Manufacturer and Model	Yanmar 4TNV98
Non-Road Emission Standard	EPA Interim Tier 4/EU Stage IIIA
Cylinders	4
Displacement	3.3 L (203 cu. in.)
Net Rated Power (ISO 9249)	44 kW (59 hp) at 2,200 rpm
Maximum Net Torque (ISO 9249)	239 Nm (176 lb.-ft.) at 1,600 rpm
Electrical System	12-volt with 80-amp alternator

Powertrain	
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 365/70R18 Tires	
Gear 1	6.0 km/h (3.7 mph)
Gear 2	20.0 km/h (12.0 mph)

Axles/Brakes	
Axles	Rigid-mount front and rear axles with 10-deg. frame oscillation
Rear Axle Oscillation Versus Front Axle	20 deg. total, stop to stop
Differentials	45% locking front and rear differentials
Final Drive	Heavy-duty outboard planetary
Brakes	
Service Brakes	Hydraulically actuated, self-adjusting internal wet-disc brake and driveline drum brake
Parking Brake	Automatically spring-applied, hydraulically released, internal wet disc

Tires/Wheels		
	Tread Width	Width Over Tires
Standard Size, 365/70R18 Tires on Single-Piece Rims	1387 mm (54.6 in.)	1750 mm (69.9 in.)

Serviceability	
Refill Capacities	
Fuel Tank	50.0 L (13.2 gal.)
Cooling System (engine and radiator)	12.0 L (12.7 qt.)
Engine Oil with Filter	10.0 L (10.8 qt.)
Differential and Planetary Axle, Front	6.0 L (6.4 qt.)
Differential and Planetary Axle, Rear	6.0 L (6.4 qt.)

Serviceability (continued)**204K****Refill Capacities (continued)**

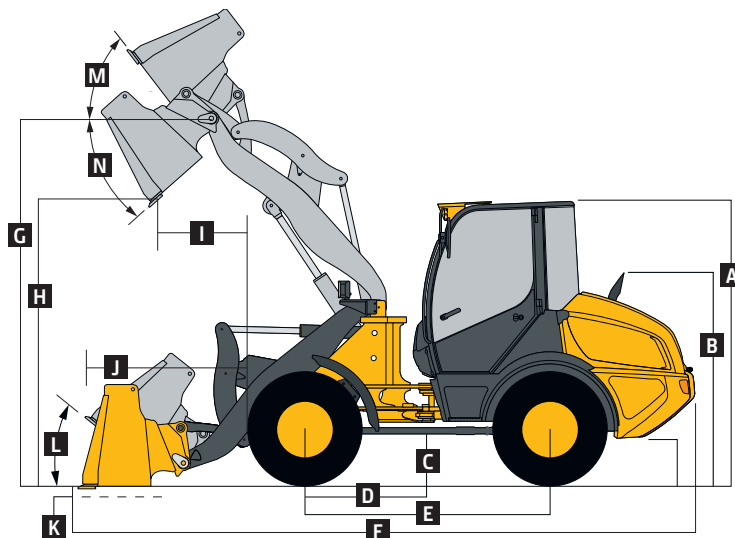
Hydraulic/Hydrostatic Reservoir with Filter	90.0 L (23.8 gal.)
Hydrostatic Motor Gearbox	1.0 L (1.1 qt.)

Hydraulic System/Steering

Main Pump (loader and steering)	Fixed-displacement gear pump; open-center system
Maximum Rated Flow at 6895 kPa (1,000 psi) and 2,200 rpm	70 L/m (18 gpm)
System Relief Pressure (loader)	23 000 kPa (3,335 psi)
System Relief Pressure (steering)	18 002 kPa (2,611 psi)
Steering (conforms to ISO 5010)	Hydraulic power steering (SAE J1511); 40-deg. articulation, left and right
Articulation Angle	80-deg. arc (40 deg. each direction)

Hydraulic Cycle Time

Raise	5.6 sec.
Dump	1.5 sec.
Lower (float down)	4.7 sec.
Lower (power down)	4.3 sec.
Total	11.4 sec.

Dimensions and Specifications with Quick-Coupler and Bucket**204K LOADER WITH QUICK-COUPLER AND BUCKET**

Dimensions with Quick-Coupler and Bucket	0.8-m ³ (1.0 cu. yd.) stockpiling/ general purpose with bolt-on edge	1.1-m ³ (1.4 cu. yd.) stockpiling/ general purpose with bolt-on edge
A Height to Top of Cab	2.45 m (7 ft. 11 in.)	2.45 m (7 ft. 11 in.)
B Height to Top of Exhaust	1.80 m (5 ft. 11 in.)	1.80 m (5 ft. 11 in.)
C Ground Clearance	318 mm (12.5 in.)	318 mm (12.5 in.)
D Length from Centerline to Front Axle	1067 mm (3 ft. 6 in.)	1067 mm (3 ft. 6 in.)
E Wheelbase	2.15 m (7 ft. 1 in.)	2.15 m (7 ft. 1 in.)
F Overall Length, Bucket on Ground	5.42 m (17 ft. 4 in.)	5.46 m (17 ft. 11 in.)
G Height to Hinge Pin, Fully Raised	3.18 m (10 ft. 5 in.)	3.18 m (10 ft. 5 in.)
H Dump Clearance, 40-deg. Full Height	2.43 m (8 ft. 0 in.)	2.38 m (7 ft. 9 in.)
I Reach, 40-deg. Dump, Full Height	920 mm (3 ft. 0 in.)	968 mm (3 ft. 2 in.)
J Reach, 42-deg. Dump, 2.13-m (7 ft.) Clearance	1.49 m (4 ft. 11 in.)	1.54 m (3 ft. 11 in.)
K Maximum Digging Depth	70 mm (2.8 in.)	70 mm (2.8 in.)
L Maximum Rollback at Ground Level	37 deg.	37 deg.
M Maximum Rollback, Boom Fully Raised	65 deg.	65 deg.
N Maximum Bucket Dump Angle, Fully Raised	40 deg.	40 deg.
Loader Clearance Circle, Bucket Carry Position	8.46 m (27 ft. 9 in.)	8.59 m (28 ft. 2 in.)
Specifications with Quick-Coupler and Bucket		
Capacity, Heaped	0.8 m ³ (1.0 cu. yd.)	1.1 m ³ (1.4 cu. yd.)
Capacity, Struck	0.66 m ³ (0.86 cu. yd.)	0.90 m ³ (1.18 cu. yd.)
Bucket Weight with Bolt-On Cutting Edge	535 kg (1,179 lb.)	645 kg (1,421 lb.)
Bucket Width	1.90 m (6 ft. 3 in.)	2.20 m (7 ft. 3 in.)
Breakout Force	4170 kg (9,190 lb.)	3770 kg (8,311 lb.)
Tipping Load, Straight	3700 kg (8,157 lb.)	3550 kg (7,826 lb.)
Tipping Load, Full Turn	3280 kg (7,231 lb.)	3130 kg (6,900 lb.)
Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)*	1640 kg (3,616 lb.)	1565 kg (3,450 lb.)
Operating Weight	5355 kg (11,806 lb.)	5465 kg (12,048 lb.)

*Rated operating capacity based on Deere attachments only.

