







MEET THE 310 P-TIER

When we upgraded our 310L Backhoe Loader, we really used our imaginations. For starters, we imagined more engine power and increased productivity. Low-effort controls. Responsive hydraulics. Unmatched durability. And easier periodic service for lower operating costs. Then we delivered all that — and more, including comfortable cab conveniences, masterful maneuverability, and an extendable dipperstick option. Welcome to your new favorite machine.



Field proven

John Deere 4.5L engines are some of the strongest, most reliable we've ever built. P-Tier Backhoes use a wet-sleeve engine design with replaceable cylinder liners for exceptional cooling, reduced oil breakdown, and reduced ring wear. This means cooler engine components and longer life compared to cast-in block designs.

Greater productivity

The 91-net-peak-horsepower engine option provides nine-percent more power for improved hill climbing, pushing force, and front loader work. Configured with the axial-piston pump, it delivers 26-percent more hydraulic flow versus the standard single-gear pump, enabling greater control, productivity, and multifunctioning at lower engine-rpm range. Better multifunctioning eases the operator's ability to "crabwalk" (or simultaneously use the front and rear machine structures) in tough off-road, sticky, and/or wet conditions.

Reach new heights

For greater performance in extreme elevations and conditions, our high-altitude engine configuration easily gets the job done. It offers pilot injection for easy cold-weather starting, four-valve cylinder head for exceptional "breathing" at high altitude, and a Variable Geometry Turbocharger (VGT) that automatically compensates for altitude changes.

Simplified maintenance

You asked for periodic service and machine repairs to be simple and do-it-yourself. Our proven high-performance systems such as robust mechanical fuel and hydraulic gear pumps help get your machine back to work without leaving the jobsite or dragging into downtime. With this kind of reliability, what else can you expect from a backhoe?

Comfortable cab

Operator's station includes mechanicalsuspension deluxe fabric swivel seat with a range of lumbar settings, fully adjustable armrests, expansive front window, and more legroom. To be even more efficient and reduce operator fatigue, opt for low-effort backhoe pilot controls.

Smooth gear changes

Standard four-speed PowerShift™ transmission provides on-the-go clutchless gear changes for the operator, minimizing fatigue and maximizing productivity. Travel speeds of over 22 mph help ease moves on and between jobsites.

Work in tight areas

Compact overall length enables extra maneuverability on close jobsites. Looking for more reach? The extendable dipperstick option will help you get there.

True 4WD on command

Optional limited-slip mechanical-front-wheel drive (MFWD) delivers sure-footed traction in a wide range of ground conditions.

Diagnostic interface

State-of-the-art multi-language monitor clearly displays a wealth of vital and general machine info plus onboard diagnostics of most sensors and switches, for uptime-boosting troubleshooting.

Diff-lock protection

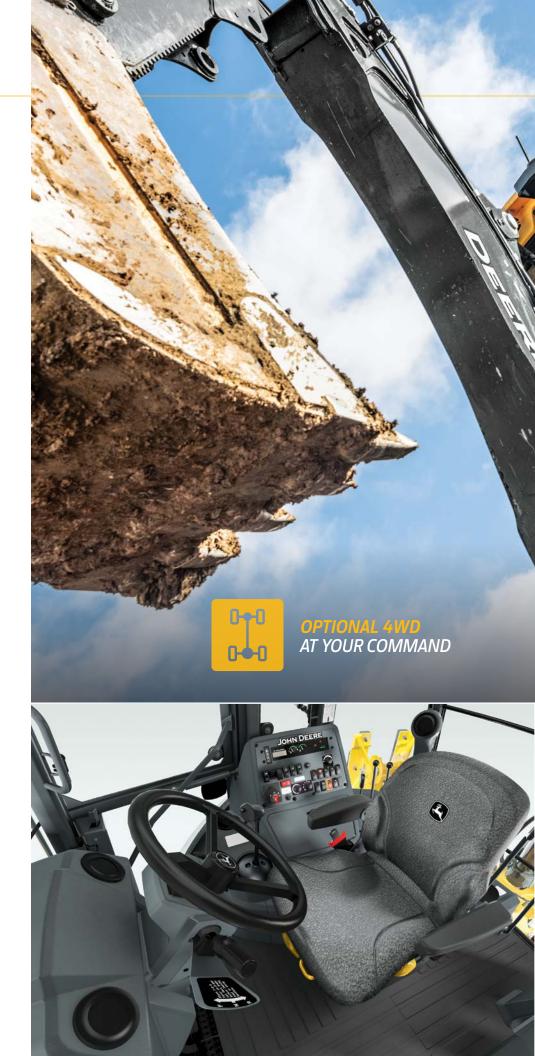
When enabled through the monitor, differential-lock protection prevents engagement at high travel speeds and subsequent wear and tear on axle components.

Take it easy

Optional ride control functions as a shock absorber, smoothing moves over rough terrain. So full loads are more likely to arrive at their destination instead of somewhere in-between. Also helps reduce operator fatigue.

Get a grip

"Palm-on-top" loader-control grip is even more comfortable and easy to use. Clutch disconnect is integrated into the control grip, ideal for stockpiling or truck loading.







Extended service intervals

500-hour engine and 2,000-hour hydraulic oil-service intervals[†] enable the 310 P-Tier to work longer between changes. [†]*High-altitude engine configuration has a 250-hour oil-service interval.*

Daily checks made easy

Same-side ground-level service points speed daily checks and fluid fills. Simple-to-read sight gauges and easy-access grease zerks help increase uptime and contain operating costs.



310 P-TIER BACKHOE 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	310 P-TIER					
Manufacturer and Model	John Deere PowerTech™	John Deere PowerTech	John Deere PowerTech™	John Deere PowerTech™ E	John Deere PowerTed	
	4.5L 4045TBZ02 turbo-		Plus 4.5L 4045HBZ02	4.5L 4045HT086 turbo-	EWL 4.5L 4045HL050	
	charged	charged	turbocharged, country	charged, country specific		
	chargeu	charged	specific	charged, country specific	turbochargeu	
Non-Road Emission Standard	Name and Control	FDA T: 2/FU C+ II		M 1 / EDA T: 2 /	EDA E: T: /. /ET/.	
Non-Road Emission Standard	Noncertified	EPA Tier 2/EU Stage II	EU Stage IIIA certified;	Mar-I / EPA Tier 3/	EPA Final Tier 4 (FT4)	
			optimized for high-	EU Stage IIIA / R96	EU Stage IV	
			altitude operation (HALT)			
Displacement	4.5 L (276 cu. in.)	4.5 L (276 cu. in.)	4.5 L (276 cu. in.)	4.5 L (276 cu. in.)	4.5 L (276 cu. in.)	
Power Ratings						
Gross Power at Rated Speed	63 kW (85 hp)	63 kW (84 hp)	66 kW (88 hp)	66 kW (88 hp)	71 kW (96 hp)	
•	at 2,200 rpm	at 2,200 rpm	at 2,250 rpm	at 2,250 rpm	at 2,200 rpm	
Gross Peak Power	69 kW (92 hp)	66 kW (88 hp)	68 kW (92 hp)	68 kW (92 hp)	76 kW (102 hp)	
dross reak rower	at 1,800 rpm	at 2,000 rpm	at 2,000 rpm	at 2,000 rpm	at 1,600 rpm	
Gross Peak Torque	388 Nm (286 lbft.)	355 Nm (262 lbft.)	387 Nm (285 lbft.)	387 Nm (285 lbft.)	467 Nm (344 lbft.)	
Gloss Feak Torque						
N - B - L B - (150 03/0)	at 1,200 rpm	at 1,300 rpm	at 1,300 rpm	at 1,300 rpm	at 1,500 rpm	
Net Peak Power (ISO 9249)	68 kW (91 hp)	62 kW (83 hp)	65 kW (87 hp)	68 kW (91 hp)	75 kW (100 hp)	
	at 1,800 rpm	at 2,000 rpm	at 1,960 rpm	at 2,000 rpm	at 1,600 rpm	
Net Peak Torque (ISO 9249)	383 Nm (282 lbft.)	345 Nm (254 lbft.)	377 Nm (278 lbft.)	382 Nm (282 lbft.)	459 Nm (338 lbft.)	
	at 1,200 rpm	at 1,200 rpm	at 1,300 rpm	at 1,300 rpm	at 1,500 rpm	
Net Torque Rise	41%	36%	46%	39%	51%	
Power Ratings With Optional Viscous Fan						
Gross Power at Rated Speed	N/A	N/A	66 kW (88 hp)	N/A	N/A	
The state of the s			at 2,250 rpm			
Gross Peak Power	N/A	N/A	68 kW (92 hp)	N/A	N/A	
GIOSS FEAK FOWEI	IV/A	N/A		N/A	IV/A	
6 D I. T	N1 /A	N1 /A	at 2,000 rpm	N1 /A	N1 /A	
Gross Peak Torque	N/A	N/A	387 Nm (285 lbft.)	N/A	N/A	
			at 1,300 rpm			
Net Peak Power (ISO 9249)	N/A	N/A	68 kW (91 hp)	N/A	N/A	
			at 2,000 rpm			
Net Peak Torque (ISO 9249)	N/A	N/A	382 Nm (282 lbft.)	N/A	N/A	
			at 1,300 rpm			
Net Torque Rise	N/A	N/A	39%	N/A	N/A	
Lubrication	Pressure system with	Pressure system with	Pressure system with	Pressure system with	Pressure system with	
	spin-on filter and cooler	spin-on filter and cooler	spin-on filter and cooler	spin-on filter and cooler	spin-on filter and coo	
Air Cleaner	Dual-stage dry type	Dual-stage dry type	Dual-stage dry type	Dual-stage dry type	Dual-stage dry type	
All Cleaner	with safety element	with safety element	with safety element	with safety element	with safety element and evacuator valve	
	and evacuator valve	and evacuator valve	and evacuator valve	and evacuator valve		
C!!	and evacuator valve	and evacuator valve	and evacuator valve	and evacuator valve	and evacuator valve	
Cooling		c .: .	5 ::	5 .:	EL	
Fan Type	Suction type, tempera-	Suction type	Suction type standard;	Suction type, tempera-	Electronically control	
	ture-controlled (viscous),		suction type, tempera-	ture-controlled (viscous),	variable-rate, suction type cooling fan	
	variable rate		ture-controlled (viscous),	variable rate		
			variable rate optional			
Engine Coolant Rating	–40 deg. C (–40 deg. F)	-40 deg. C (-40 deg. F)	–40 deg. C (–40 deg. F)	–40 deg. C (–40 deg. F)	-40 deg. C (-40 deg.	
Engine Oil Cooler	Oil to water	Oil to water	Oil to water	Oil to water	Oil to water	
3						
Powertrain	4-sneed helical-cut gears	full PowerShift™ transmis	sion with hydraulic reverser s	tandard: electric clutch cuto	ff on loader lever	
Powertrain Transmission			sion with hydraulic reverser s	tandard; electric clutch cuto	ff on loader lever	
Powertrain Transmission Torque Converter	Single stage, dual phase w	, full PowerShift™ transmis vith 2.63:1 stall ratio, 280 m		tandard; electric clutch cuto	ff on loader lever	
Powertrain Transmission	Single stage, dual phase w Standard Engine	rith 2.63:1 stall ratio, 280 m	m (11 in.)			
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires	Single stage, dual phase w Standard Engine Forward Reverse	vith 2.63:1 stall ratio, 280 m Forward Reverse	m (11 in.) Forward Reverse	Forward Reverse	Forward Reverse	
Powertrain Transmission Torque Converter	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h	vith 2.63:1 stall ratio, 280 m Forward Reverse 5.4 km/h 6.8 km/h	m (11 in.) Forward Reverse 5.4 km/h 6.9 km/h	Forward Reverse 5.5 km/h 6.9 km/h	Forward Reverse 5.4 km/h 6.9 km.	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires	Single stage, dual phase w Standard Engine Forward Reverse	vith 2.63:1 stall ratio, 280 m Forward Reverse	m (11 in.) Forward Reverse	Forward Reverse	Forward Reverse 5.4 km/h 6.9 km.	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h	vith 2.63:1 stall ratio, 280 m Forward Reverse 5.4 km/h 6.8 km/h	m (11 in.) Forward Reverse 5.4 km/h 6.9 km/h	Forward Reverse 5.5 km/h 6.9 km/h	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mp	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h	rith 2.63:1 stall ratio, 280 m Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph)	Forward Reverse 5.4 km/h (3.4 mph) 10.0 km/h 12.7 km/h	Forward Reverse 5.5 km/h 6.9 km/h (3.4 mph) (4.3 mph) 10.1 km/h 12.8 km/h	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mp 10.1 km/h 12.7 km	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph)	Forward Reverse 5.4 km/h (3.4 mph) 10.0 km/h (6.2 mph) (7.9 mph)	Forward Reverse 5.5 km/h 6.9 km/h (3.4 mph) (4.3 mph) 10.1 km/h 12.8 km/h (6.3 mph) (8.0 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mp 10.1 km/h 12.7 km (6.3 mph) (7.9 mp	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A	Forward Reverse 5.5 km/h 6.9 km/h (3.4 mph) (4.3 mph) 10.1 km/h 12.8 km/h (6.3 mph) (8.0 mph) 20.8 km/h N/A	Forward Reverss 5.4 km/h 6.9 km. (3.4 mph) (4.3 mp) 10.1 km/h 12.7 km (6.3 mph) (7.9 mp 20.7 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h (6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h (12.6 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h (6.2 mph) (7.9 mph) 20.7 km/h (12.9 mph)	Forward Reverse 5.5 km/h 6.9 km/h (3.4 mph) (4.3 mph) 10.1 km/h 12.8 km/h (6.3 mph) (8.0 mph) 20.8 km/h (12.9 mph)	Forward Reverse 5.4 km/h 6.9 km/ (4.3 mp 10.1 km/h 12.7 km (6.3 mph) (7.9 mp 20.7 km/h N/A (12.9 mph)	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h (2.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A	Forward Reverse 5.4 km/h (3.4 mph) (9.9 km/h (6.2 mph) 20.3 km/h (12.6 mph) 36.9 km/h N/A	Forward Reverse 5.4 km/h (3.4 mph) 10.0 km/h 10.2 rm/h (6.2 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h N/A	Forward Reverse 5.5 km/h 6.9 km/h (3.4 mph) (4.3 mph) 10.1 km/h (8.0 mph) 20.8 km/h (12.9 mph) 37.7 km/h N/A	Forward Reverse 5.4 km/h (3.4 mph) (10.1 km/h (10.2 mph) 20.7 km/h (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h (6.2 mph) (7.9 mph) 20.7 km/h (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (8.0 mph) 20.8 km/h (12.9 mph) 37.7 km/h (23.4 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mp 10.1 km/h 12.7 km (6.3 mph) (7.9 mp 20.7 km/h N/A (12.9 mph)	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) 10.0 km/h 10.2 rm/h (6.2 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h N/A	Forward Reverse 5.5 km/h (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (8.0 mph) 20.8 km/h (12.9 mph) 37.7 km/h (23.4 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/B	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h (6.2 mph) (7.9 mph) 20.7 km/h (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (8.0 mph) 20.8 km/h (12.9 mph) 37.7 km/h (23.4 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/E	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mp 10.1 km/h 12.7 km (6.3 mph) (7.9 mp 20.7 km/h N/A (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/B	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4 Axles Axle Oscillation, Stop to Stop, Front Axle	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/E	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h (12.6 mph) 36.9 km/h N/A (12.9 mph) EU Stage II / HALT / Mar-1 /	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4 Axles Axle Oscillation, Stop to Stop, Front Axle Axle Ratings SAE J43	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/B 22 deg. Front 5500 kg (12,100 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (9.9 km/h (12.5 km/h (6.2 mph) (12.6 mph) (12.6 mph) (12.9 mph) (12.9 mph) (12.9 mph) (12.9 mph) (12.6 mph) (12.9 mph) (12.6 mph) (12.9 mph) (12.9 mph) (12.6 mph) (12.9 mph) (12.9 mph) (12.9 mph) (12.9 mph) (12.9 mph) (13.0 mph) (14.3 mph) (14.3 mph) (15.0 mph) (16.0 mph) (17.0 mph) (17.0 mph) (18.0 mph)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (10.1 km/h (10.2 mph) 20.7 km/h (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4 Axles Axle Oscillation, Stop to Stop, Front Axle Axle Ratings SAE J43 Dynamic	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/b 22 deg. Front 5500 kg (12,100 lb.) 9000 kg (19,800 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph) EU Stage II / HALT / Mar-1/ Rear 6500 kg (14,300 lb.) 10 000 kg (22,000 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (10.1 km/h (10.2 mph) 20.7 km/h (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4 Axles Axle Oscillation, Stop to Stop, Front Axle Axle Ratings SAE J43 Dynamic Static	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h (2.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/b 22 deg. Front 5500 kg (12,100 lb.) 9000 kg (19,800 lb.) 24 500 kg (54,000 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (9.9 km/h (12.5 km/h (12.6 mph) 36.9 km/h (12.6 mph) 36.9 km/h (12.9 mph) 50.3 km/h N/A (12.6 mph) 36.9 km/h (12.9 mph) EU Stage II / HALT / Mar-I / Rear 6500 kg (14,300 lb.) 10 000 kg (22,000 lb.) 26 500 kg (58,400 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (10.1 km/h (10.2 mph) 20.7 km/h (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4 Axles Axle Oscillation, Stop to Stop, Front Axle Axle Ratings SAE J43 Dynamic Static Ultimate	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/b 22 deg. Front 5500 kg (12,100 lb.) 9000 kg (19,800 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph) EU Stage II / HALT / Mar-1/ Rear 6500 kg (14,300 lb.) 10 000 kg (22,000 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h 12.7 km/h (6.2 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.4 km/h (23.2 mph)	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h (3.4 mph) (10.1 km/h (10.2 mph) 20.7 km/h (12.9 mph) 37.1 km/h N/A	
Powertrain Transmission Torque Converter Measured With 19.5L-24 Rear Tires Gear 1 Gear 2 Gear 3 Gear 4 Axles Axle Oscillation, Stop to Stop, Front Axle Axle Ratings SAE J43 Dynamic Static	Single stage, dual phase w Standard Engine Forward Reverse 5.4 km/h 6.8 km/h (3.4 mph) (4.2 mph) 9.9 km/h 12.5 km/h (6.2 mph) 7.8 mph) 20.3 km/h N/A (12.6 mph) 37.0 km/h N/A (23.0 mph) Noncertified / EPA Tier 2/b 22 deg. Front 5500 kg (12,100 lb.) 9000 kg (19,800 lb.) 24 500 kg (91,500 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.2 mph) 9.9 km/h (6.2 mph) (7.8 mph) 20.3 km/h N/A (12.6 mph) 36.9 km/h (22.9 mph) EU Stage II / HALT / Mar-1 / Rear 6500 kg (14,300 lb.) 10 000 kg (22,000 lb.) 26 500 kg (91,500 lb.)	Forward Reverse 5.4 km/h (3.4 mph) (4.3 mph) 10.0 km/h (6.2 mph) (7.9 mph) 20.7 km/h (12.9 mph) 37.4 km/h (23.2 mph) EPA Tier 3/EU Stage IIIA / R9	Forward Reverse 5.5 km/h (3.4 mph) (1.2.8 km/h (6.3 mph) (1.2.9 mph)	Forward Reverse 5.4 km/h 6.9 km. (3.4 mph) (4.3 mph) 10.1 km/h (6.3 mph) (7.9 mph) 20.7 km/h N/A (12.9 mph) 37.1 km/h N/A	

310 P-TIER BACKHOE LOADER SPECIFICATIONS



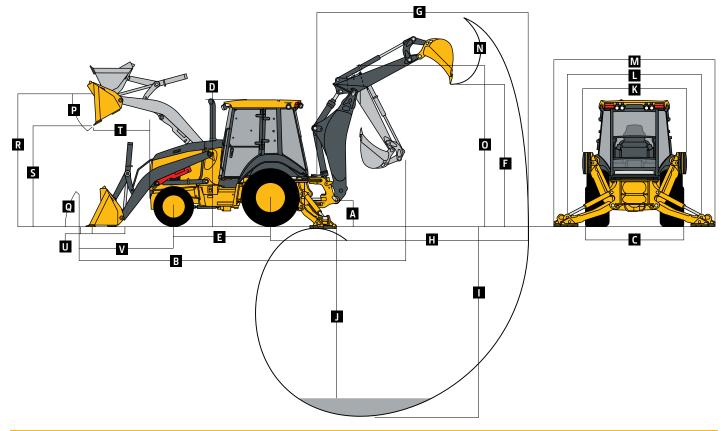


While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Powertrain (continued)	310 P-TIER Noncertified / FPA Tier	2/FU Stage II / HALT / Mar	-1/			
	Noncertified / EPA Tier 2/EU Stage II / HALT / Mar-I / EPA Tier 3/EU Stage IIIA / R96			EPA FT4/EU Stage IV		
Steering (ISO 5010)		ring and emergency steeri		Hydrostatic power steerin	g and emergency steering	
Axle	MFWD	Non-Powered Fro		MFWD	Non-Powered Front	
Curb-Turning Radius With Brakes	3.43 m (11 ft. 3 in.)	3.33 m (10 ft. 11 ir	1.)	3.48 m (11 ft. 5 in.)	3.38 m (11 ft. 1 in.)	
Curb-Turning Radius Without Brakes	3.91 m (12 ft. 10 in.)	3.77 m (12 ft. 4 in	.)	3.99 m (13 ft. 1 in.)	3.84 m (12 ft. 7 in.)	
Bucket-Clearance Circle With Brakes	9.97 m (32 ft. 9 in.)	9.90 m (32 ft. 6 ii	n.)	10.08 m (33 ft. 1 in.)	10.02 m (32 ft. 10 in.)	
Bucket-Clearance Circle Without Brakes	10.67 m (35 ft. 0 in.)	10.55 m (34 ft. 7 i	n.)	10.81 m (35 ft. 6 in.)	10.69 m (35 ft. 1 in.)	
Steering Wheel Turns (lock to lock)	2.7	3.2		2.7	3.2	
MFWD and Rear Axles	Heavy duty, outboard p	lanetary final drives distril	bute shock load	s over 3 gears		
Brakes (ISO 3450)						
Service	Power assisted, hydraul	ic wet disc, mounted inbo	ard, self-adjusti	ng and self-equalizing		
Parking	Spring applied, hydrauli	cally released, wet, multi-	disc, independe	nt of service brakes with e	lectric switch control	
Hydraulics						
W D				EU Stage IIIA / R96 / EPA F		
Main Pump		ngle-gear pump standard		Open center, axial-piston	pump optional	
Pump Flow	2,200 rpm			2,400 rpm		
Backhoe	106 L/m (28 gpm)			134 L/m (35.5 gpm)		
Loader	106 L/m (28 gpm)			120 L/m (31.7 gpm)		
System Relief Pressure						
Backhoe	24 993 kPa (3,625 psi)			24 993 kPa (3,625 psi)		
Loader	22 063 kPa (3,200 psi)			22 063 kPa (3,200 psi)		
Controls	21					
Backhoe		d; pilot controls with patte			5 II 5 II 1	
Loader	Single-lever control wit	h electric clutch cutoff sw	itch standard; n	nanual auxiliary function (2	2nd lever) optional	
Electrical				Mar-I / EPA T	ior 7/	
	Noncertified	EPA Tier 2/EU Stage II	HALT	Mar-17 EPA 1 EU Stage IIIA		
/altage	12 volt	12 volt	12 volt	12 volt	12 volt	
/oltage	IZ VOIT	IZ VOIT	IZ VOIT	IZ VOIT	12 VOIT	
Alternator Rating	00	00	120	00	1/5	
Dual-Lever Backhoe Control	90 amp	90 amp	120 amp 120 amp	90 amp 120 amp	145 amp 145 amp	
Dilat Daalihaa Cantual						
Pilot Backhoe Control	120 amp	120 amp				
	10 halogen: 4 front, 4 re	ear, and 2 side docking (32,	,500 candlepow	er each); turn signals and f	flashers: 2 front and 2 rear; stop	
Lights	10 halogen: 4 front, 4 re		,500 candlepow	er each); turn signals and f		
Lights	10 halogen: 4 front, 4 re taillights; and 2 rear ref	ear, and 2 side docking (32, lectors; cab (10 lights); qua	500 candlepow arter cab (6 ligh	ver each); turn signals and f ts)	flashers: 2 front and 2 rear; stop	
Lights Operator Station	10 halogen: 4 front, 4 re taillights; and 2 rear ref	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Lights	10 halogen: 4 front, 4 re taillights; and 2 rear ref Noncertified / EPA Tier . Fully enclosed cab, isola	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Derator Station Type (ISO 3471)	10 halogen: 4 front, 4 re taillights; and 2 rear ref	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Lights Decrator Station Type (ISO 3471) *Not available for HALT models.	10 halogen: 4 front, 4 re taillights; and 2 rear ref Noncertified / EPA Tier . Fully enclosed cab, isola	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Lights Decrator Station Type (ISO 3471) *Not available for HALT models.	10 halogen: 4 front, 4 re taillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)*	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar ution mounted, ROPS/FOP	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Cights Decrator Station Type (ISO 3471) Phot available for HALT models. Tires/Wheels	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar ution mounted, ROPS/FOP Rear	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Derator Station Type (ISO 3471) Thot available for HALT models. Tires/Wheels	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12)	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar tion mounted, ROPS/FOP Rear 19.5L-24 R-4 (10)	500 candlepow arter cab (6 ligh -1 / EPA Tier 3/E	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Derator Station Type (ISO 3471) Not available for HALT models. Tires/Wheels Non-Powered Front Axle	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar ution mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR	,500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) Thot available for HALT models. Tires/Wheels Non-Powered Front Axle	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar Ition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) Thot available for HALT models. Tires/Wheels Non-Powered Front Axle	10 halogen: 4 front, 4 retaillights; and 2 rear refined / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar tition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) Thot available for HALT models. Tires/Wheels Non-Powered Front Axle	10 halogen: 4 front, 4 retaillights; and 2 rear refully enclosed cab, isola or canopy (no glass)* Front 111_16 F-3 (12) 10.5L_16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar tition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 12 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) Thot available for HALT models. Tires/Wheels Non-Powered Front Axle	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR	Rear 19.5L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) Not available for HALT models. Tires/Wheels Jon-Powered Front Axle Vith MFWD	10 halogen: 4 front, 4 retaillights; and 2 rear refully enclosed cab, isola or canopy (no glass)* Front 111_16 F-3 (12) 10.5L_16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qua 2/EU Stage II / HALT / Mar tition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 12 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
Derator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD	10 halogen: 4 front, 4 retaillights; and 2 rear refullights; and 2 rear refully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR	Rear 19.5L-24 in. 10 PR 19.5L-24	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and f ts) EU Stage IIIA / R96 / EPA F	flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) Not available for HALT models. Tires/Wheels Jon-Powered Front Axle With MFWD	10 halogen: 4 front, 4 retaillights; and 2 rear refively enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 19 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 14 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	ver each); turn signals and t ts) EU Stage IIIA / R96 / EPA F vess, with molded roof; opt	flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Serviceability Refill Capacities	10 halogen: 4 front, 4 retaillights; and 2 rear refively enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR Noncertified / EPA Tier LEPA Tier 3/EU Stage IIIA	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and fits) EU Stage IIIA / R96 / EPA Fitess, with molded roof; opt	Flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Gerviceability Refill Capacities Cooling System	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 111-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR Noncertified / EPA Tier. EPA Tier 3/EU Stage IIIA 21 L (22.2 qt.)	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and tots) EU Stage IIIA / R96 / EPA Fixess, with molded roof; opt EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L	Flashers: 2 front and 2 rear; stop	
Cooling System Rear Axle	10 halogen: 4 front, 4 retaillights; and 2 rear refully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and fits) EU Stage IIIA / R96 / EPA Fitess, with molded roof; opt EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.)	Flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Decruiceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter)	10 halogen: 4 front, 4 retaillights; and 2 rear refully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow erter cab (6 ligh I / EPA Tier 3/E S, left/right acc	er each); turn signals and fits) EU Stage IIIA / R96 / EPA Fitess, with molded roof; opt EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 13 L (13.7 qt.)	Flashers: 2 front and 2 rear; stop	
Derator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Derviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission	10 halogen: 4 front, 4 retaillights; and 2 rear refully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR 13.5/80-18 in. 14 PR 13.5/80-18 in. 14 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	rer each); turn signals and the state of the	Flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) Flot available for HALT models. Fires/Wheels Non-Powered Front Axle With MFWD Gerviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling)	10 halogen: 4 front, 4 retaillights; and 2 rear refively enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 13.5/80-18 in. 14 PR 15.5/80-18 in. 14 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 13 L (13.7 qt.) 128.7 L (34 qal.)	Flashers: 2 front and 2 rear; stop	
Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank	10 halogen: 4 front, 4 retaillights; and 2 rear refively enclosed cab, isolator canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 15 PR 12.5/80-18 in. 16 PR 12.5/80-18 in. 17 PR 12.5/80-18 in. 18 PR 12.5/80-18 in. 19 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) 13.L (16 qt.) 12.L (16 qt.) 12.L (16 qt.) 12.L (16 qt.) 13.L (16 qt.) 13.T L (3.6 qal.)	Flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) Foot available for HALT models. Fires/Wheels Foot-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 111L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) 13 L (18.7 t). 18.1 L (19 qt.) 13 L (18.7 qt.) 15.1 L (16 qt.) 15.1 L (34 gal.) 13.7 L (3.6 gal.) 126.8 L (33.5 gal.) 126.8 L (33.5 gal.)	Flashers: 2 front and 2 rear; stop	
Decrator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Decruiceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir	10 halogen: 4 front, 4 retaillights; and 2 rear refively enclosed cab, isolator canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 15 PR 12.5/80-18 in. 16 PR 12.5/80-18 in. 17 PR 12.5/80-18 in. 18 PR 12.5/80-18 in. 19 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) 13.L (16 qt.) 12.L (16 qt.) 12.L (16 qt.) 12.L (16 qt.) 13.L (16 qt.) 13.T L (3.6 qal.)	Flashers: 2 front and 2 rear; stop	
Derator Station Type (ISO 3471) That available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Discriceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 15 PR 12.5/80-18 in. 16 PR 12.5/80-18 in. 17 PR 12.5/80-18 in. 18 PR 12.5/80-18 in. 19 PR 12.5/80-18 in.	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow erter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 15.1 L (16 qt.) 13.7 L (3.6 qal.) 13.7 L (3.6 gal.) 126.8 L (33.5 gal.) 45.0 L (11.9 gal.)	Flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) Not available for HALT models. Tires/Wheels Non-Powered Front Axle With MFWD Gerviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing	10 halogen: 4 front, 4 retaillights; and 2 rear refined / EPA Tier. Noncertified / EPA Tier. Frully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 13.7 qt.) 12.8.7 L (34 gal.) 13.7 L (36 gal.) 12.5.0 L (11.9 gal.) 6.5 L (6.9 qt.)	Flashers: 2 front and 2 rear; stop	
ights Operator Station Type (ISO 3471) Not available for HALT models. Tires/Wheels Jon-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each)	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 15 PR 12.5/80-18 in. 16 PR 12.5/80-18 in. 17 PR 12.5/80-18 in. 18 PR 12.5/80-18 in. 19 PR 12.5/80-18 in.	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 15.1 L (16 qt.) 13.7 L (3.6 qal.) 13.7 L (3.6 gal.) 126.8 L (33.5 gal.) 45.0 L (11.9 gal.)	Flashers: 2 front and 2 rear; stop	
Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each) Operating Weights	10 halogen: 4 front, 4 retaillights; and 2 rear refively enclosed cab, isolator canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 13.7 qt.) 12.8.7 L (34 gal.) 13.7 L (36 gal.) 12.5.0 L (11.9 gal.) 6.5 L (6.9 qt.)	Flashers: 2 front and 2 rear; stop	
Cights Decrator Station Type (ISO 3471) *Not available for HALT models. Fires/Wheels Non-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each) Decrating Weights With Full Fuel Tank, 75-kg (165 lb.) Operator, and Standard	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 111L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 13.1 L (16 qt.) 128.7 L (3.6 gal.) 126.8 L (33.5 gal.) 45.0 L (11.9 qd.) 6.5 L (6.9 qt.) 0.9 L (1.0 qt.)	Flashers: 2 front and 2 rear; stop	
Cights Decrator Station Type (ISO 3471) *Not available for HALT models. Fires/Wheels Non-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each) Operating Weights	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11116 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 i	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) (25.7 L 18 L (19 qt.) (13.7 qt.) (15.1 L (16 qt.) (12.8 qs.) (15.0 L (10.9 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.0 L (11.9 qs.) (15.0 qs	Flashers: 2 front and 2 rear; stop	
Cights Decrator Station Type (ISO 3471) *Not available for HALT models. Fires/Wheels Non-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each) Decrating Weights With Full Fuel Tank, 75-kg (165 lb.) Operator, and Standard	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 111L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) cab / 25.7 L 18 L (19 qt.) 13.1 L (16 qt.) 128.7 L (3.6 gal.) 126.8 L (33.5 gal.) 45.0 L (11.9 qd.) 6.5 L (6.9 qt.) 0.9 L (1.0 qt.)	Flashers: 2 front and 2 rear; stop	
Cights Decrator Station Eype (ISO 3471) Chot available for HALT models. Cires/Wheels Non-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each) Decrating Weights With Full Fuel Tank, 75-kg (165 lb.) Operator, and Standard Standard With Cab, 4-Wheel-Drive Axle, and Bumper	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11116 F-3 (12) 10.5L-16 12 PR 12 - 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 10 PR 12.5/80-18 i	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) (25.7 L 18 L (19 qt.) (13.7 qt.) (15.1 L (16 qt.) (12.8 qs.) (15.0 L (10.9 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.0 L (11.9 qs.) (15.0 qs	Flashers: 2 front and 2 rear; stop	
Coperator Station Experiment Station Experim	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR Noncertified / EPA Tier. EPA Tier 3/EU Stage IIIA 21 L (22.2 qt.) 18 L (19 qt.) 13 L (13.7 qt.) 15.1 L (16 qt.) 155.2 L (41 gal.) N/A 102.2 L (27 gal.) 37.1 L (9.8 gal.) 6.5 L (6.9 qt.) 0.9 L (1.0 qt.) Equipment 7357 kg (16,219 lb.) 7757 kg (17,101 lb.)	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) (25.7 L 18 L (19 qt.) (13.7 qt.) (15.1 L (16 qt.) (12.8 qs.) (15.0 L (10.9 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.0 L (11.9 qs.) (15.0 qs	Flashers: 2 front and 2 rear; stop	
Coperator Station Experiment Station Experim	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 14 PR Noncertified / EPA Tier. EPA Tier 3/EU Stage IIIA 21 L (22.2 qt.) 18 L (19 qt.) 13 L (13.7 qt.) 15.1 L (16 qt.) 155.2 L (41 gal.) N/A 102.2 L (27 gal.) 37.1 L (9.8 gal.) 6.5 L (6.9 qt.) 0.9 L (1.0 qt.) Equipment 7357 kg (16,219 lb.) 7757 kg (17,101 lb.)	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) (25.7 L 18 L (19 qt.) (13.7 qt.) (15.1 L (16 qt.) (12.8 qs.) (15.0 L (10.9 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.1 L (16 qt.) (15.0 L (11.9 qs.) (15.0 qs	Flashers: 2 front and 2 rear; stop	
Lights Derator Station Type (ISO 3471) *Not available for HALT models. Fires/Wheels Non-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission Fuel Tank (with ground-level fueling) Diesel Exhaust Fluid (DEF) Tank Hydraulic System Hydraulic System Hydraulic Reservoir MFWD Axle Differential Housing Planetary (each) Derating Weights With Full Fuel Tank, 75-kg (165 lb.) Operator, and Standard Standard With Cab, 4-Wheel-Drive Axle, and Bumper Typical With Cab, 1-Whoel-Drive Axle, and Bumper Typical With Cab, 4-Whoel-Drive Axle, and Bumper	10 halogen: 4 front, 4 retaillights; and 2 rear ref Noncertified / EPA Tier. Fully enclosed cab, isola or canopy (no glass)* Front 11L-16 F-3 (12) 10.5L-16 12 PR 12 – 16.5 in. 10 PR 12.5/80-18 in. 14 PR 12.5/80-18 in. 12 PR 12.5/80-18 in. 10 PR 12.5/80-18 in.	ear, and 2 side docking (32, lectors; cab (10 lights); qualition mounted, ROPS/FOP Rear 19.5L-24 R-4 (10) 16.9L-24 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 19.5L-24 in. 10 PR 21.0L-24 in. 10 PR 21.0L-24 in. 10 PR	.500 candlepow arter cab (6 ligh I / EPA Tier 3/E S, left/right acc	EPA FT4/EU Stage IV 27.5 L (29.1 qt.) 15.1 L (16 qt.) 13.7 L (3.6 gal.) 126.8 L (33.5 gal.) 45.0 L (11.9 qt.) 0.9 L (1.0 qt.) 0.9 L (1.0 qt.)	Flashers: 2 front and 2 rear; stop	

310 P-TIER

Overall Dimensions	310 P-TIER	
	Noncertified / EPA Tier 2/EU Stage II / HALT /	
	Mar-I / EPA Tier 3/EU Stage IIIA / R96	EPA Final Tier 4 (FT4)/EU Stage IV
A Ground Clearance, Minimum	305 mm (12 in.)	293 mm (12 in.)
B Overall Length, Transport	7.09 m (23 ft. 3 in.)	7.24 m (23 ft. 9 in.)
C Width Over Tires	2.18 m (7 ft. 2 in.)	2.18 m (7 ft. 2 in.)
D Height to Top of ROPS/Cab	2.74 m (9 ft. 0 in.)	2.81 m (9 ft. 3 in.)
E Length From Axle to Axle		
Non-Powered Front Axle	2.11 m (6 ft. 11 in.)	2.16 m (7 ft. 1 in.)
MFWD Axle	2.14 m (7 ft. 0 in.)	2.19 m (7 ft. 2 in.)



В	Backhoe Dimensions and Performance							
Noncertified / EPA Tier 2/EU Stage II / HALT / Mar-I /								
		EPA Tier 3/EU Stage IIIA / R96				EPA FT4/EU Stage IV		
В	ackhoe specifications are with 610-mm x 0.18-m³ (24 in. x 6.5 cu. ft.) bu	cket; dipper-lift spe	cs are with a boom a				
В	ucket Range	305-762 mm (12-30) in.)		305-762 mm (12-30) in.)		
	igging Force							
	Bucket Cylinder	48.2 kN (10,843 lb.)			48.2 kN (10,843 lb.)			
	Crowd Cylinder	31.1 kN (6,991 lb.)			31.1 kN (6,991 lb.)			
S	wing Arc	180 deg.			180 deg.			
C	perator Control	2 levers			2 levers			
L	eveling Angle	14 deg.			14 deg.			
S	tabilizer Angle Rearward	18 deg.			18 deg.			
•		With Standard	With Standard With Optional Extendable Dipperstick		With Standard With Optional Extendable Dipperstick		ndable Dipperstick	
		Backhoe	Retracted	Extended	Backhoe	Retracted	Extended	
F	Loading Height, Truck Loading Position	3.40 m (11 ft. 2 in.)	3.48 m (11 ft. 5 in.)	4.14 m (13 ft. 7 in.)	3.39 m (11 ft. 2 in.)	3.48 m (11 ft. 5 in.)	4.14 m (13 ft. 7 in.)	
G	Reach From Center of Swing Pivot	5.42 m (17 ft. 10 in.)	5.49 m (18 ft. 0 in.)	6.51 m (21 ft. 4 in.)	5.42 m (17 ft. 9 in.)	5.49 m (18 ft. 0 in.)	6.51 m (21 ft. 4 in.)	
Н	Reach From Center of Rear Axle	6.49 m (21 ft. 3 in.)	6.55 m (21 ft. 6 in.)	7.57 m (24 ft. 10 in.)	6.49 m (21 ft. 3 in.)	6.55 m (21 ft. 6 in.)	7.57 m (24 ft. 10 in.)	
1	Digging Depth (SAE maximum)	4.27 m (14 ft. 0 in.)	4.35 m (14 ft. 3 in.)	5.40 m (17 ft. 9 in.)	4.28 m (14 ft. 0 in.)	4.35 m (14 ft. 3 in.)	5.41 m (17 ft. 9 in.)	
J	Digging Depth (SAE)							
	610-mm (2 ft.) Flat Bottom	4.24 m (13 ft. 11 in.)	4.31 m (14 ft. 2 in.)	5.37 m (17 ft. 7 in.)	4.24 m (13 ft. 11 in.)	4.31 m (14 ft. 2 in.)	5.38 m (17 ft. 8 in.)	
	2440-mm (8 ft.) Flat Bottom	3.90 m (12 ft. 10 in.)	3.98 m (13 ft. 1 in.)		3.91 m (12 ft. 10 in.)	3.99 m (13 ft. 1 in.)	5.13 m (16 ft. 10 in.)	
K	Stabilizer Width, Transport With Standard Pads	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)	
	and No Guards							
L	Stabilizer Spread, Operating	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	3.10 m (10 ft. 2 in.)	
М	Stabilizer Overall Width, Operating	3.53 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)	3.53 m (11 ft. 7 in.)	
N	Bucket Rotation	190 deg.	190 deg.	190 deg.	190 deg.	190 deg.	190 deg.	
0	Transport Height	3.40 m (11 ft. 2 in.)	3.40 m (11 ft. 2 in.)	3.40 m (11 ft. 2 in.)	3.40 m (11 ft. 2 in.)	3.40 m (11 ft. 2 in.)	3.40 m (11 ft. 2 in.)	

Loader Dimensions and Performance	310 P-TIER			
	Noncertified / EPA Tier 2/	'EU Stage II / HALT / Mar-I /		
	EPA Tier 3/EU Stage IIIA /	′ R96	EPA FT4/EU Stage IV	
P Bucket Dump Angle, Maximum	45 deg.	45 deg.		
Q Rollback Angle at Ground Level	40 deg.	40 deg.		
	Heavy-duty	Multipurpose	Heavy-duty	Multipurpose
Bucket Capacity	0.96 m³ (1.25 cu. yd.)	0.96 m³ (1.25 cu. yd.)	0.96 m³ (1.25 cu. yd.)	0.96 m³ (1.25 cu. yd.)
Width	2184 mm (86 in.)	2184 mm (86 in.)	2184 mm (86 in.)	2184 mm (86 in.)
Weight	480 kg (1,058 lb.)	800 kg (1,764 lb.)	480 kg (1,059 lb.)	800 kg (1,764 lb.)
Breakout Force	39.6 kN (8,908 lb.)	37.0 kN (8,314 lb.)	39.6 kN (8,894 lb.)	37.0 kN (8,328 lb.)
Lift Capacity, Full Height	2860 kg (6,306 lb.)	2578 kg (5,684 lb.)	2867 kg (6,320 lb.)	2585 kg (5,698 lb.)
R Height to Bucket Hinge Pin, Maximum	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)
S Dump Clearance, Bucket at 45 deg.	2.63 m (8 ft. 7 in.)	2.63 m (8 ft. 8 in.)	2.63 m (8 ft. 8 in.)	2.63 m (8 ft. 8 in.)
T Reach at Full Height, Bucket at 45 deg.	837 mm (33.0 in.)	753 mm (29.6 in.)	841 mm (33.1 in.)	756 mm (29.8 in.)
U Digging Depth Below Ground, Bucket Level	106 mm (4.2 in.)	166 mm (6.5 in.)	100 mm (3.9 in.)	160 mm (6.3 in.)
V Length From Front Axle Centerline to Bucket	2.10 m (6 ft. 11 in.)	2.08 m (6 ft. 10 in.)	2.12 m (6 ft. 11 in.)	2.10 m (6 ft. 11 in.)

Cutting Edge Lift Capacities [see line art at right]

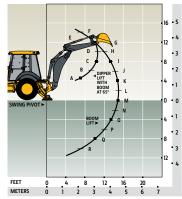
Lift canacities are over-end values in kg (lb.). Figures listed are 100% of the maximum lift force available

Lift capacities are over-end values in kg (lb.). Figures listed are 100% of the maximum lift force available.								
	Noncertified / EPA Tier 2/EU Stage II / HALT / Mar-I /							
Ε	PA Tier 3/EU Stage III			EPA FT4/EU Stage IV				
		With 1.06-m	With 1.06-m			With 1.06-m	With 1.06-m	
		(3 ft. 6 in.) Extend-	(3 ft. 6 in.) Extend-			(3 ft. 6 in.) Extend-	(3 ft. 6 in.) Extend-	
V	Vith Standard	able Dipperstick,	able Dipperstick,	With Standard		able Dipperstick,	able Dipperstick,	
	Pipperstick	Retracted	Extended	D	ipperstick	Retracted	Extended	
Α	4014 kg (8,850 lb.)	3323 kg (7,327 lb.)	3018 kg (6,654 lb.)	Α	3969 kg (8,751 lb.)	3293 kg (7,259 lb.)	2988 kg (6,587 lb.)	
В	2497 kg (5,505 lb.)	2267 kg (4,999 lb.)	2030 kg (4,476 lb.)	В	2481 kg (5,469 lb.)	2252 kg (4,965 lb.)	2015 kg (4,443 lb.)	
C	2225 kg (4,905 lb.)	2031 kg (4,478 lb.)	1656 kg (3,651 lb.)	C	2211 kg (4,875 lb.)	2018 kg (4,449 lb.)	1645 kg (3,626 lb.)	
D	2200 kg (4,850 lb.)	2010 kg (4,431 lb.)	1500 kg (3,306 lb.)	D	2188 kg (4,823 lb.)	1998 kg (4,404 lb.)	1490 kg (3,285 lb.)	
Ε	2047 kg (4,514 lb.)	1857 kg (4,093 lb.)	1434 kg (3,162 lb.)	Ε	2044 kg (4,507 lb.)	1854 kg (4,087 lb.)	1425 kg (3,142 lb.)	
F	1517 kg (3,346 lb.)	1340 kg (2,955 lb.)	1429 kg (2,740 lb.)	F	1502 kg (3,311 lb.)	1326 kg (2,924 lb.)	1420 kg (3,130 lb.)	
G	1589 kg (3,502 lb.)	1403 kg (3,093 lb.)	1298 kg (2,489 lb.)	G	1581 kg (3,485 lb.)	1396 kg (3,077 lb.)	1297 kg (2,859 lb.)	
Н	1559 kg (3,437 lb.)	1378 kg (3,037 lb.)	1036 kg (1,987 lb.)	Н	1554 kg (3,426 lb.)	1373 kg (3,026 lb.)	1035 kg (2,281 lb.)	
1	1511 kg (3,330 lb.)	1333 kg (2,940 lb.)	-	1	1507 kg (3,323 lb.)	1330 kg (2,933 lb.)	-	
J	1459 kg (3,217 lb.)	1285 kg (2,834 lb.)	960 kg (1,841 lb.)	J	1457 kg (3,212 lb.)	1283 kg (2,829 lb.)	951 kg (2,096 lb.)	
K	1409 kg (3,106 lb.)	1238 kg (2,729 lb.)	1024 kg (1,964 lb.)	K	1408 kg (3,103 lb.)	1237 kg (2,726 lb.)	1018 kg (2,244 lb.)	
L	1362 kg (3,002 lb.)	1193 kg (2,630 lb.)	1036 kg (1,986 lb.)	L	1361 kg (3,001 lb.)	1192 kg (2,629 lb.)	1031 kg (2,273 lb.)	
M	1318 kg (2,906 lb.)	1151 kg (2,538 lb.)	1028 kg (2,266 lb.)	М	1319 kg (2,907 lb.)	1151 kg (2,538 lb.)	1025 kg (2,259 lb.)	
Ν	1279 kg (2,820 lb.)	1113 kg (2,455 lb.)	1012 kg (2,231 lb.)	Ν	1280 kg (2,822 lb.)	1114 kg (2,456 lb.)	1009 kg (2,225 lb.)	
0	1245 kg (2,745 lb.)	1080 kg (2,382 lb.)	992 kg (2,187 lb.)	0	1247 kg (2,748 lb.)	1082 kg (2,385 lb.)	990 kg (2,184 lb.)	
Ρ	1218 kg (2,685 lb.)	1053 kg (2,322 lb.)	971 kg (2,141 lb.)	Р	1220 kg (2,690 lb.)	1056 kg (2,327 lb.)	970 kg (2,139 lb.)	
Q	1203 kg (2,651 lb.)	1037 kg (2,287 lb.)	950 kg (2,095 lb.)	Q	1206 kg (2,659 lb.)	1041 kg (2,294 lb.)	950 kg (2,093 lb.)	
R	1228 kg (2,707 lb.)	1055 kg (2,326 lb.)	930 kg (2,051 lb.)	R	1234 kg (2,721 lb.)	1061 kg (2,339 lb.)	930 kg (2,050 lb.)	
S	-	1141 kg (2,515 lb.)	912 kg (2,010 lb.)	S	-	1150 kg (2,536 lb.)	912 kg (2,010 lb.)	
T	_	_	895 kg (1,974 lb.)	T	_	_	896 kg (1,975 lb.)	
U	_	_	882 kg (1,945 lb.)	U	-	-	883 kg (1,947 lb.)	
٧	_	_	874 kg (1,927 lb.)	٧	_	_	876 kg (1,931 lb.)	
W	-	-	875 kg (1,929 lb.)	W	_	-	877 kg (1,934 lb.)	
			0001 (1000011)	.,				

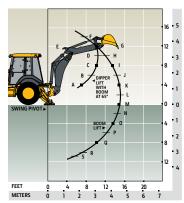
Х –

1024 kg (2,257 lb.) Y – Lift capacities are over end with stabilizers down and tires tangent to ground.

897 kg (1,977 lb.)



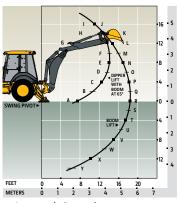
With Standard Dipperstick



With 1.06-m (3 ft. 6 in.) Extendable Dipperstick, Retracted

900 kg (1,985 lb.)

1030 kg (2,270 lb.)



With 1.06-m (3 ft. 6 in.) Extendable Dipperstick, Extended

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

310 P Engine

- Coolant recovery tank with low-level indicator
- Foldout, hinged cooling system
- Serpentine belt with automatic belt tensioner
- Electronically controlled, variable-rate suction-type cooling fan
- Self-cleaning exhaust aftertreatment system
- ▲ Chrome exhaust extension
- Grid heat
- ▲ 1,000-watt electric engine coolant heater
- Electronic fuel lift pump

Powertrain

- PowerShift™ transmission: Torque converter with twist-grip Transmission Control Lever (TCL) and neutral safety switch interlock (1st through 4th gears)
- Transmission oil cooler
- ▲ Transmission remote oil-sampling port
- Differential lock, electric foot actuated, protection on/off (software enabled)
- Planetary final drives
- Power-assisted hydraulic service brakes (conform to ISO 3450): Inboard, wet multi-disc, self-adjusting and selfequalizing
- Parking/emergency brake with electric switch control (conforms to ISO 3450):
 Spring applied, hydraulically released wet multi-disc / Independent of service brakes
- Hydrostatic power steering with emergency manual mode

310 P Powertrain (continued)

- ▲ Non-powered front axle
- Mechanical-front-wheel drive (MFWD) with open differential: Electric on/off control / Sealed axle
- MFWD with traction-control limitedslip differential: Electric on/off control / Sealed axle
- Automatic MFWD braking
- ▲ MFWD driveshaft quard

Backhoe

- Standard dipperstick digging depth
- 4.27 m (14 ft. 0 in.)
- Extendable dipperstick extension
- ▲ 1.06 m (3 ft. 6 in.)
- ISO (Deere) 2-lever mechanical backhoe controls
- ▲ 2-lever pilot joystick controls with pattern-selection feature
- Backhoe transport lock lever
- Swing lock pin stored in operator's station
- Stabilizers with 2-direction anti-drift valves
- ▲ Backhoe couplers for John Deere, Case, and Cat buckets
- Auxiliary backhoe valve with 1-way flow for hammers and compactors with plumbing
- Rear bucket capacities, 0.14 m³ (0.18 cu. yd.), 0.18 m³ (0.24 cu. yd.), 0.21 m³ (0.27 cu. yd.), and 0.28 m³ (0.37 cu. yd.)

Loader[†]

- Loader bucket anti-spill (rollback)
- Return-to-dig feature
- Single-lever control with electric clutch disconnect

310 P Loader[†] (continued)

- Loader bucket heaped capacity, 0.96 m³
 (1.25 cu. yd.)
- Bucket-level indicator
- Loader boom service lock
- Auxiliary loader hydraulics (3rd-function valve) with 2-lever control and clutch disconnect
- ▲ Standard ride control

Hydraulic System

- 106-L/m (28 gpm) single-gear pump, open-center system
- ▲ 134-L/m (35.5 gpm) backhoe, 120-L/m (31.7 gpm) loader axial-piston pump, open-center system
- Economy mode

Electrical System

- 12-volt system
- Alternator, 90 amp (with dual-lever backhoe manual controls; Noncertified, EPA Tier 2/EU Stage II, and Mar-I / EPA Tier 3/EU Stage IIIA / R96; 120 amp for high-altitude operation [HALT] only)
- Alternator, 120 amp (with pilot backhoe controls)
- Alternator, 145 amp (EPA Final Tier 4 [FT4]/EU Stage IV only)
- Single battery with 190-min. reserve capacity and 1,010 CCA
- ▲ Dual batteries with 380-min. reserve capacity and 2,020 CCA
- Remote jump posts and battery disconnect

[†]See dealer for range of heavy-duty (HD), multipurpose, and coupler buckets and forks.

Additional equipment (continued)

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

310 P Lights

- Halogen lights (10), 32,500 candlepower each (4 front driving/working, 4 rear working, and 2 side docking)
- Turn signal/flashing (2 front and 2 rear)
- Rear stop and tail (2)
- ▲ LED light package

Operator's Station

- Modular-design ROPS/FOPS (Level 2) canopy with molded roof (meets ISO 3449 and ISO 3471/SAE J1040): Isolation mounted
- Molded floor mats (with pilot controls only)
- 12-volt outlet
- Lockable right-side storage
- ▲ Lockable left-hand storage with cup holders
- ▲ Interior front-view mirror
- ▲ Outside rearview mirrors
- Rotary-dial hand throttle
- Suspended foot throttle
- Mechanical-suspension seat, cloth cover
- Air-suspension heated seat (with cab only)
- ▲ Air-suspension vinyl seat
- Key start switch with electric fuel shutoff
- Tilt steering, infinitely adjustable (with cab only)
- ▲ Tilt steering, infinitely adjustable (with canopy and quarter cab)
- Machine security (enabled through monitor)

310 P Operator's Station (continued)

- Digital display of engine hours, engine rpm, and system voltage
- Monitor system with audible and visual warnings: Engine air restriction / Low alternator voltage / Engine oil pressure / Hydraulic filter restriction / Parking brake on/off / Aftertreatment temperature / Transmission fluid temperature / Fuel / Hour meter / Machine diagnostic information via 4-push-button/LCD operator interface
- Canopy: Mechanical-suspension deluxe vinyl swivel seat with lumbar adjustment and armrests (fully adjustable)
- ▲ Quarter Cab: Mechanical-suspension deluxe vinyl swivel seat with lumbar adjustment and armrests (fully adjustable), front windshield, and windshield wiper (1 front)
- ▲ Cab With Dual Doors and A/C:

Mechanical-suspension deluxe fabric swivel seat with lumbar adjustment / Headliner, dome light, left and right cab doors, tinted safety glass, windshield wipers (1 rear and 1 front), front windshield washer, fresh-air intake, and heater/defroster/pressurizer (11.7-kW [40,000 Btu/h] heater) / A/C (7.6-kW [26,000 Btu/h] output and CFC-free R134a refrigerant

- ▲ AM/FM/weather-band (WB) radio (with cab only)
- Premium radio package (with cab only; includes additional 12-volt and USB outlets)

310 P Overall Vehicle

- 1-piece unitized construction mainframe
- Vehicle tie-downs (2 front and 2 rear)
- Remote grease bank for front axle
- Front bumper cover
- ▲ HD front bumper
- ▲ Front counterweight 204 kg (450 lb.) or 340 kg (750 lb.)
- ▲ Rubber grille bumpers
- Fuel tank, 155.2 L (41 gal.), ground-level fueling (Noncertified, EPA Tier 2/EU Stage II, HALT, and Mar-I /EPA Tier 3/ EU Stage IIIA / R96 only)
- Fuel tank, 128.7 L (34 gal.), ground-level fueling (EPA FT4/EU Stage IV only)
- Diesel exhaust fluid (DEF) tank, 13.7 L
 (3.6 gal.) (EPA FT4/EU Stage IV only)
- 2-position easy-tilt hood
- Extended grille frame
- Toolbox with padlock hasp
- Vandal protection for locking monitor, engine hood, toolbox, hydraulic reservoir, and fuel tank
- Reverse warning alarm
- Dent-resistant full-coverage rear fenders
- ▲ Backhoe boom-protection plate
- JDLink™ wireless communication system (available in specific countries; see your dealer for details)
- ▲ HD front grille screen
- ▲ HD stabilizer pads



