













#### Ready to go

Trust the 315 P-Tier's John Deere PowerTech 4.5L engine to provide the muscle needed to power through any workday. Field-proven wet-sleeve design with replaceable cylinder liners delivers uniform cooling and aids in reducing oil breakdown and ring wear.

## Set it and go to work

When enabled on the sealed-switch module, AutoShift automatically shifts the PowerShift transmission to the appropriate gear. Simply set the control lever to the highest gear desired, and the transmission will optimally shift based on engine rpm and ground speed.

#### True four-wheel drive on command

Limited-slip front axle delivers 65 percent of available power to the tire with the best traction for all-wheel-drive pulling power. Engage momentary mechanical-front-wheel drive (MFWD) "on the fly" with the touch of a button on the loader control.

#### Cushion the ride

With optional ride control activated, front loader hydraulic cylinders act as a shock absorber, smoothing travel over rough terrain, helping full loads reach their destination, and reducing operator fatigue.

## Shift things around

Powered sideshift option enables smooth side-to-side shifts in under six seconds, for precision backhoe repositioning. Design includes a series of two hydraulic cylinders to smoothly shift the backhoe, eliminating the need for a chain-drive or pulley system. It's easily unlocked and controlled via the combination in-cab switch on the main control panel.

## The bucket list

John Deere multipurpose buckets have been enhanced to boost durability. Clamshell design features tilt-free dumping, a reinforced third cutting edge, and improved hinge profile for minimized material spillage compared to previous offerings.

## Simple to service

Vertical spin-on engine, transmission, and hydraulic filters and quick-release fuel filters enable fast, clean changes. Standard maintenance-free batteries reduce periodic servicing, improve coldstarting reliability, and extend battery life.

## The choice is yours

Choose from a variety of factoryinstalled tire options, for the traction, exceptional performance, and long wear life your specific application requires.

## Comfort in the cab

The 315 P-Tier operator station is loaded with creature comforts including an efficient HVAC system and either an adjustable mechanical or air-suspension seat.

#### Take control

"Palm-on-top" loader-control grip is comfortable and easy to use. Control of clutch disconnect, transmission quick-shift, auxiliary proportional roller, and momentary mechanical front-wheel drive ) MFWD) is at your fingertips.







## 315 P-TIER BACKHOE LOADER



#### **Precision Construction**

From product automation features to jobsite intelligence, this suite of construction technology delivers productivity solutions to help you get more done, more efficiently.

John Deere construction equipment comes with in-base connectivity — free from subscriptions or annual renewals. Analyze critical machine data, track utilization, review diagnostic alerts, and more from **the John Deere Operations Center.** The Operations Center also enables **John Deere Connected Support,** which uses data from thousands of connected machines to proactively address issues before they arise. Your dealer can also remotely monitor machine health, diagnose problems, and even update machine software without a trip to the jobsite.\*

\*Availability varies by region and product. Options not available in every country.





# 315 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.

315 P-TIER			
John Deere PowerTech 4	.5L turbocharged	John Deere PowerTech E 4.5L turbocharged	
EPA Tier 2/EU Stage II		EPA Tier 3/EU Stage IIIA	
4.5 L		4.5 L	
73 kW (98 hp) at 2,000 rpm		75 kW (100 hp) at 1,990 rpm	
69 kW (93 hp) at 1,970 rpm		71 kW (95 hp) at 1,900 rpm	
386 Nm at 1,300 rpm		395 Nm at 1,500 rpm	
46%		43%	
		Pressure system with spin-on filter and cooler	
Suction-type cooling far	1		
–40 deg. C			
Oil to water			
5-speed, helical-cut gear	rs, full PowerShift transmissior	n with hydraulic reverser sta	ndard; electric clutch cutoff
		, ,	, , , , , , , , , , , , , , , , , , , ,
		Single stage, dual phase v	vith 2.63:1 stall ratio, 280 mm
5 5, 1		5 5 , 1	·
Forward	Reverse	Forward	Reverse
5.8 km/h	7.3 km/h	5.8 km/h	7.3 km/h
10.6 km/h	13.4 km/h		13.5 km/h
			21.8 km/h
	_		_
	_		_
1010 11111111		1010 111111111	
22 dea		22 dea	
	Rear		Rear
			7500 kg
,	3		10 000 kg
3	3	,	26 500 kg
		3	43 500 kg
45 500 kg	45 500 kg	43 300 kg	15 500 kg
Limited-slip traction con	itrol		
		lock	
, ,	, , , , ,		
IVII VVD	Non-rowered from		
2 E2 m	2 /F m		
T.UZ III	J. JU III		
10.10 m	10.0/i m		
		hock loads over 2 gears	
neavy duty, outboard pla	anecary fillal unives distribute s	nock loads over 4 gears	
		elf-adjusting and self-equal	
	John Deere PowerTech 4 EPA Tier 2/EU Stage II 4.5 L 73 kW (98 hp) at 2,000 r 69 kW (93 hp) at 1,970 rp 386 Nm at 1,300 rpm 46% Pressure system with spi Dual-stage dry type with Suction-type cooling fan 40 deg. C Oil to water  5-speed, helical-cut gear on loader lever; AutoShif Single stage, dual phase of the stage o	John Deere PowerTech 4.5L turbocharged EPA Tier 2/EU Stage II 4.5 L 73 kW (98 hp) at 2,000 rpm 69 kW (93 hp) at 1,970 rpm 386 Nm at 1,300 rpm 46% Pressure system with spin-on filter and cooler Dual-stage dry type with safety element and evacuator Suction-type cooling fan —40 deg. C Oil to water  5-speed, helical-cut gears, full PowerShift transmission on loader lever; AutoShift transmission standard Single stage, dual phase with 2.63:1 stall ratio, 280 mm  Forward Reverse 5.8 km/h 7.3 km/h 10.6 km/h 13.4 km/h 22.0 km/h 21.6 km/h 40.0 km/h — 40.0 km/h —  22 deg. Front Rear 5500 kg 7500 kg 9000 kg 10 000 kg 26 500 kg 26 500 kg 43 500 kg 43 500 kg  Limited-slip traction control Foot actuated, hydraulically engaged 100% mechanical Hydrostatic power steering and emergency steering MFWD Non-Powered Front  3.53 m 3.45 m 4.02 m 3.90 m  10.10 m 10.04 m 10.84 m 10.70 m 3.6 4.3 Heavy duty, outboard planetary final drives distribute s	John Deere PowerTech 4.5L turbocharged EPA Tier 2/EU Stage II 4.5 L 4.5 L 4.5 L 4.5 L 75 kW (98 hp) at 2,000 rpm 75 kW (100 hp) at 1,990 rp 89 kW (93 hp) at 1,970 rpm 71 kW (95 hp) at 1,900 rpm 895 km at 1,300 rpm 46% 43% Pressure system with spin-on filter and cooler Dual-stage dry type with safety element and evacuator valve  Suction-type cooling fan 40 deg. C Oil to water  5-speed, helical-cut gears, full PowerShift transmission with hydraulic reverser sta on loader lever; AutoShift transmission standard Single stage, dual phase with 2.63:1 stall ratio, 280 mm Single stage, dual phase with 2.63:1 stall ratio, 280 mm Forward Reverse Forward Single stage, dual phase with 2.63:1 stall ratio, 280 mm Single stage, dual phase with 2.63:1 stall ratio, 280 mm Single stage, dual phase with 2.63:1 stall ratio, 280 mm Single stage, dual phase with 2.63 the myhhid stage, dual phase with 2.63 the myhid stage, dual phase with 2.63 t

# 315 P-TIER BACKHOE LOADER SPECIFICATIONS

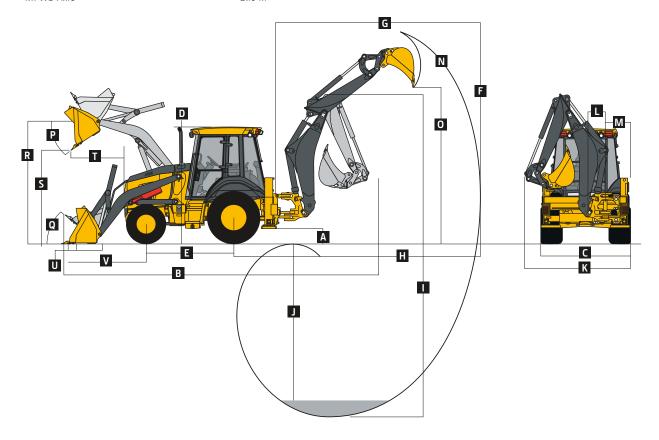




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Hydraulics	315 P-TIER			
Main Pump	Open-center system, tandem gear pu	mp with unloader		
Pump Flow at 2,200 rpm		•		
Backhoe	136 L/m			
Loader	106 L/m			
System Relief Pressure, Backhoe and Loader	24 993 kPa			
Controls	2.335 0			
Backhoe	2-lever mechanical standard, pilot controls with pattern select and manual and/or electric auxiliary functions optional			
Loader	Single-lever control with electric clutch cutoff switch standard; manual auxiliary function (2nd lever), single-lever control with electric clutch cutoff switch, electrohydraulic (EH) proportional auxiliary roller, MWFD (momentary), and transmission quick-shift optional			
Cylinders	The state of the s			
Heat-treated, chrome-plated, polished rods; harde	ned steel (replaceable bushings) pivot p	ins		
ricat treated, emonie plated, poissieu rous, narae	Bore	Rod Diameter	Stroke	
Loader Boom (2)	80 mm	50 mm	790 mm	
Loader Bucket (1)	90 mm	50 mm	744 mm	
Backhoe Boom (1)	120 mm	56 mm	795 mm	
Backhoe Crowd (1)	115 mm	63 mm	622 mm	
Backhoe Bucket (1)	90 mm	56 mm	810 mm	
Backhoe Bucket, Heavy-Duty Option (1)	100 mm	63 mm	810 mm	
Backhoe Swing (2)	90 mm	50 mm	278 mm	
Backhoe Extendable Dipperstick (1)	70 mm	40 mm	1062 mm	
	70 mm	45 mm	716 mm	
Backhoe Stabilizer, Standard (2)	70 111111			
Backhoe Stabilizer, Standard (2) Non-Powered Axle (1)	70 mm	42 mm	210 mm	
,			210 mm 210 mm	
Non-Powered Axle (1)	70 mm	42 mm		
Non-Powered Axle (1) MFWD (1) Electrical	70 mm	42 mm		
Non-Powered Axle (1) MFWD (1)	70 mm 65 mm	42 mm		
Non-Powered Axle (1) MFWD (1) Electrical Voltage	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor	42 mm	210 mm n signals and flashers: 2 front and watt halogen, plate lamp, reverse	
Non-Powered Axle (1) MFWD (1) Electrical Voltage Alternator Rating	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear	42 mm 40 mm docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-v	210 mm n signals and flashers: 2 front and watt halogen, plate lamp, reverse	
Non-Powered Axle (1) MFWD (1) Electrical Voltage Alternator Rating Lights Operator Station	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factors standard halogen light package	42 mm 40 mm  docking (32,500 candlepower each); turr reflectors; front drive lamps with 55/60-v y-installed option for 2 LED spotlights an	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1) Electrical Voltage Alternator Rating Lights	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factors standard halogen light package	42 mm 40 mm docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-v	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1) Electrical Voltage Alternator Rating Lights  Operator Station Type (ISO 3471)	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factors standard halogen light package	42 mm 40 mm  docking (32,500 candlepower each); turr reflectors; front drive lamps with 55/60-v y-installed option for 2 LED spotlights an	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1) Electrical Voltage Alternator Rating Lights  Operator Station Type (ISO 3471)	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted	42 mm 40 mm  docking (32,500 candlepower each); turneflectors; front drive lamps with 55/60-v-installed option for 2 LED spotlights an	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12)	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with molenate Rear 16.9L-28 R4 (12)	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights an I, ROPS/FOPS, left/right access, with mol Rear	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12)	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights an I, ROPS/FOPS, left/right access, with mol Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12)	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with mol Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with mol Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling)	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with mole Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12) Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter)	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L 13.0 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with mole Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12) Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing Axle	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission  Operating Weights	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L 13.0 L 15.1 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing Axle Planetary (each)	n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L 6.5 L 0.9 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L 13.0 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with mole Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12) Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing Axle	n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L 6.5 L 0.9 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission  Operating Weights	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L 13.0 L 15.1 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing Axle Planetary (each)	n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L 6.5 L 0.9 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD  Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission  Operating Weights With Full Fuel Tank, 75-kg Operator, and Standard	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L 13.0 L 15.1 L	42 mm 40 mm  docking (32,500 candlepower each); turn reflectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and ROPS/FOPS, left/right access, with mole Rear 16.9L-28 R4 (12) 16.9L-28 R4 (12) Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing Axle Planetary (each)  Optional Components (weight differer	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L 6.5 L 0.9 L	
Non-Powered Axle (1) MFWD (1)  Electrical  Voltage Alternator Rating Lights  Operator Station Type (ISO 3471) Tires/Wheels  Non-Powered Front Axle With MFWD Serviceability Refill Capacities Cooling System Cab Canopy Rear Axle Engine Oil (including vertical spin-on filter) Torque Converter and Transmission  Operating Weights With Full Fuel Tank, 75-kg Operator, and Standard Equipment	70 mm 65 mm  12 volt 145 amp 10 halogen: 4 front, 4 rear, and 2 side 2 rear; stop and taillights; and 2 rear lamp, and front marker lamps; factor standard halogen light package  Fully enclosed cab, isolation mounted  Front 12.5/80-18 F3 (12) 12.5/80-18 R4 (10)  27.5 L 25.7 L 18.0 L 13.0 L 15.1 L  8022 kg	42 mm 40 mm  docking (32,500 candlepower each); turnellectors; front drive lamps with 55/60-vy-installed option for 2 LED spotlights and Rear  I, ROPS/FOPS, left/right access, with molector Rear 16.9L-28 R4 (12)  Refill Capacities (continued) Fuel Tank (with ground-level fueling) Hydraulic System Hydraulic Reservoir MFWD Housing Axle Planetary (each)  Optional Components (weight differer equipment and option)	210 mm  n signals and flashers: 2 front and watt halogen, plate lamp, reverse d 8 LED floodlights in lieu of the ded roof; optional canopy  128.7 L 126.8 L 45.0 L 6.5 L 0.9 L nce between base	

Overall Dimensions	315 P-TIER
A Ground Clearance, Minimum	351 mm
B Overall Length, Transport	5.96 m
C Stabilizer Spread	2.26 m
<b>D</b> Height to Top of ROPS/Cab	2.84 m
E Length From Axle to Axle	
Non-Powered Front Axle	2.16 m
MFWD Axle	2.19 m



Backhoe Dimensions and Performance				
Backhoe specifications are with 610-mm x 0.21-m³ bucket; dipper lift specs are with a boom angle of 65 deg.				
Bucket Range	305–762 mm			
Digging Force				
Bucket Cylinder	55.0 kN			
With Heavy-Duty Cylinder Option	67.9 kN			
Crowd Cylinder	36.6 kN			
Swing Arc	180 deg.			
Operator Control	2 levers			

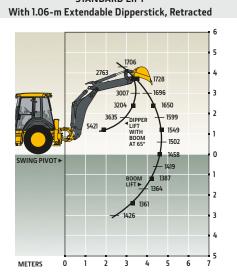
While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations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

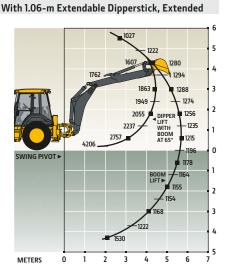
Backhoe Dimensions and Performance (continued)	315 P-TIER		
		With Optional Extendable Dipperstick	
	With Standard Backhoe	Retracted	Extended
F Loading Height, Truck Loading Position	3.65 m	3.77 m	4.39 m
<b>G</b> Reach From Center of Swing Pivot	5.44 m	5.61 m	6.62 m
H Reach From Center of Rear Axle	6.80 m	6.98 m	7.98 m
I Digging Depth (SAE maximum)	4.08 m	4.24 m	5.29 m
J Digging Depth (SAE)			
610-mm Flat Bottom	4.03 m	4.20 m	5.26 m
2440-mm Flat Bottom	3.68 m	3.87 m	5.00 m
K Overall Width (less loader bucket)	2.43 m	2.41 m	_
L Side-Shift From Tractor Centerline	537 mm	537 mm	537 mm
M Wall to Swing Centerline	604 mm	604 mm	604 mm
N Bucket Rotation	190 deg.	190 deg.	190 deg.
O Transport Height	3.71 m	3.72 m	3.72 m
Loader Dimensions and Performance			
P Bucket Dump Angle, Maximum	45 deg.		
Q Rollback Angle at Ground Level	40 deg.		
	Heavy-duty	Multipurpose	
Bucket Capacity	1.00 m <sup>3</sup>	1.00 m <sup>3</sup>	
Width	2337 mm	2337 mm	
Weight	521 kg	863 kg	
Breakout Force	47.2 kN	43.5 kN	
Lift Capacity, Full Height	3277 kg	2792 kg	
R Height to Bucket Hinge Pin, Maximum	3.45 m	3.45 m	
S Dump Clearance, Bucket at 45 deg.	2.69 m	2.65 m	
T Reach at Full Height, Bucket at 45 deg.	726 mm	768 mm	
U Digging Depth Below Ground, Bucket Level	146 mm	142 mm	
V Length From Front Axle Centerline to Bucket Cutting Edge	2.05 m	2.10 m	

## Lift Capacity With Bucket

Dipper-lift specs are with a boom angle of 65 deg. Lift capacities are over-end values in kg of the maximum lift force available.

STANDARD LIFT
STANDARD LIFT





STANDARD LIFT

Lift capacities are over end with stabilizers down and tires tangent to ground.

# Additional equipment

**Key:** ● Standard ▲ Optional or special See your John Deere dealer for further information.

### 315 P Engine

- Coolant recovery tank with low-level indicator
- Serpentine belt with automatic belt tensioner
- Suction-type cooling fan
- ▲ Chrome exhaust extension
- ▲ 1,000-watt electric engine coolant heater

#### Powertrain

- PowerShift transmission: Torque converter with twistgrip TCL and neutral safety switch interlock (1st through 5th gears)
- 5th-gear overdrive
- AutoShift transmission
- Transmission oil cooler
- ▲ Transmission remote oil-sampling port
- Differential lock, electric foot actuated
- Auto shutdown
- Planetary final drives
- Power-assisted hydraulic service brakes (conform to ISO 3450): Inboard, wet multi-disc, self-adjusting and self-equalizing
- 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
- ▲ Non-powered front axle
- Mechanical-front-wheel drive (MFWD) with tractioncontrol limited-slip differential: Electric on/off control / Sealed axle
- Automatic MFWD braking (4th and 5th gear overdrive only)
- ▲ MFWD driveshaft guard

#### 315 P Backhoe

- Standard dipperstick, 4.08-m digging depth
- ▲ Extendable dipperstick, 1.06-m extension
- ▲ Heavy-duty backhoe bucket cylinder
- ▲ SAE (excavator) 2-lever mechanical backhoe controls
- ▲ 2-lever pilot controls with pattern-selection feature
- Backhoe transport lock lever
- Swing lock pin stored in operator's station
- Stabilizers with 2-direction anti-drift valves
- ▲ Severe-duty backhoe bucket with lift loops
- Auxiliary backhoe valve for swingers, thumbs, etc. with auxiliary plumbing
- Auxiliary backhoe valve for hammers and compactors with auxiliary plumbing
- ▲ Controlled load-lowering device and object-handling kit

#### Loader

- Loader bucket anti-spill (rollback)
- Return-to-dig feature
- Single-lever control with electric clutch disconnect
- Bucket-level indicator
- Loader boom service lock
- ▲ Auxiliary loader hydraulics with 2-lever control
- ▲ Hydraulic coupler for buckets, forks, etc.
- ▲ Ride control
- ▲ Controlled load-lowering device kit

<sup>†</sup>See dealer for range of heavy-duty, multipurpose, and coupler buckets and forks.

# Hydraulic System

- 136-L/m tandem-gear pump, open-center system
- Auto idle
- Dedicated hydraulic reservoir

# Additional equipment (continued)

**Key:** ● Standard ▲ Optional or special See your John Deere dealer for further information.

## 315 P Electrical System

- 12-volt system
- 145-amp alternator
- Single battery with 179-min. reserve capacity and 950 CCA
- ▲ Dual batteries with 358-min. reserve capacity and 1,900 CCA
- ▲ Remote jump posts and battery disconnect

#### 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 lights, 2 spot- and 8 floodlights

#### 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
- ▲ Air-suspension seat
- Tilt steering, infinitely adjustable
- Keyless start
- Machine security (enabled through monitor)
- Digital display of engine hours, engine rpm, and system voltage
- Sealed-switch module
- Multifunction lever: Turn signals / Windshield wipers / Some light functionality

#### 115 P Operator's Station (continued)

- 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
- 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 heater) / A/C (7.6-kW output and CFC-free R134a refrigerant
- Premium radio package (includes additional 12-volt and USB outlets)

## **Overall Vehicle**

- 1-piece unitized construction mainframe
- Vehicle tie-downs (2 front and 2 rear)
- Remote grease bank for front axle
- Heavy-duty front bumper
- ▲ Front counterweight, 204 kg
- ▲ Rubber grille bumpers
- Fuel tank, 128.7 L, ground-level fueling
- 2-position easy-tilt hood
- Extended grille frame
- Removable 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
- JDLink Ultimate wireless communication system (available in specific countries; see your dealer for details)



