

910/914/920

WHEEL LOADER



	910	914	920
Maximum Gross Power*	82 kw (110 hp)	82 kw (110 hp)	90 kw (121 hp)
Operating Weight	8206 kg (18,085 lb)	8957 kg (19,740 lb)	9561 kg (23,713 lb)
Bucket Capacities	1.3–3.0 m ³ (1.7–3.9 yd ³)	1.5–3.0 m ³ (2.0–3.9 yd ³)	1.7–3.5 m ³ (2.2–4.6 yd ³)

* Cat® C3.6 Engine meets EU Stage V/U.S. EPA Tier 4 Final emission standards.



The new Cat® Compact Wheel Loader range is more capable than the previous generation of loaders with more power, more capacity and more customer driven features.

CAT®

910/914/920

CUSTOMER DRIVEN



WHEEL LOADERS MADE FOR MORE

Cat wheel loaders are built with efficiency in mind, offering you the best in:



RELIABILITY



EASE OF MAINTENANCE



DURABILITY



FUEL EFFICIENCY



PRODUCTIVITY

Experience higher performance while reducing overall costs.

PRODUCTIVE RESULTS

WORK SMART AND MOVE MORE



CAT PERFORMANCE SERIES BUCKETS

Carry more and load quicker so each pass is the most efficient it can be. **Rounded side boards, a longer floor and open angle** makes them the best buckets in the business.

COUPLER OR NO COUPLER

Multiple work tool attachment options are available in Pin-on, Cat IT, ISO and Cat Fusion™ coupler interfaces.



OPTIMIZED Z-BAR LOADER LINKAGE

Caterpillar's patented Optimized Z-Bar linkage offers the most efficient choice of both breakout and parallelism for whatever your job requires. Available in both standard and high lift configurations.

KICKOUTS WITH SNUBBING

Work quicker and more comfortable with **soft catch** return to dig kickouts and reduce cutting edge wear. Adjustable on the go for your changing day.

INTEGRATED TECHNOLOGY

WORKING FOR YOU BEHIND THE SCENES

RETURN TO DIG KICKOUTS WITH SOFT CATCH SNUBBING FOR OPERATOR COMFORT

Easy, **push to set**, return to dig feature with upper and lower set points as well as level work tool attachment setting, making quick work of repetitive cycles.

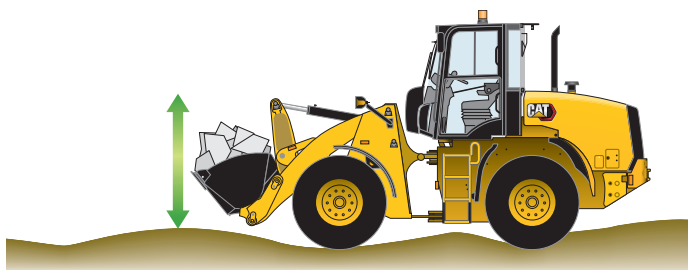
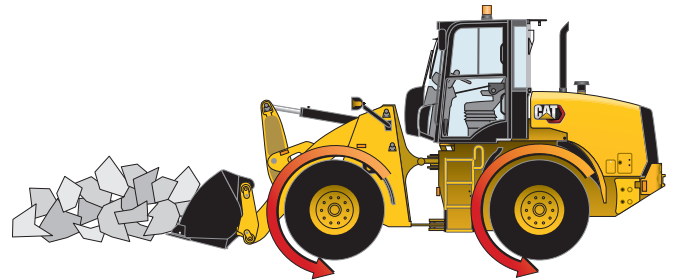
- + When choosing the fork setting, parallel lift is controlled within two degrees to keep the work tool level on the 914 and 920.

Built in technology, makes work easier with less fatigue on the operator; standard on the 920, optional on 910 and 914.



RIMPULL – WHEEL TORQUE CONTROL TO SAVE TIRE LIFE

Rimpull Control is a quick way to adjust the torque to the tires for **less slipping and tire wear**. A push of a button adjusts the power up for dry conditions or down for mud or snow, lowering your overall operating cost.



RIDE CONTROL FOR MATERIAL RETENTION

Ride Control works as a speed sensitive shock absorber for the lift arms, improving **ride quality** over rough terrain, providing better material retention and the best operator comfort option available.

DURABLE DRIVETRAIN

STANDARD AND OPTIONAL FEATURES FOR EVERY APPLICATION



LOCKING DIFFERENTIALS

Standard dual locking differential axles create maximum traction in multiple ground conditions simply with the press of a joystick button.



LED OR HALOGEN LIGHTS

Start early, finish late with LED or Halogen light packages that includes optional engine bay lighting for visibility to daily service check items.



COVERAGE WHERE IT COUNTS

Fender options for all conditions and applications. Basic for general work, full coverage with extended mud flaps for heavy snow or mud work and unique options for waste and industrial.



DESIGNED TO A HIGHER STANDARD

Cat compact wheel loaders available offerings:

- + LOCKING AXLE DIFFERENTIALS
- + TIRE OPTIONS FOR EVERY APPLICATION , SIZES RANGE FROM 15.5" TIRES UP TO 20.5"
- + CREEP CONTROL FOR LOW MACHINE SPEED AUXILIARY TOOL APPLICATIONS SUCH AS BROOMS OR SNOW TOOLS
- + PRESSURE COMPENSATED LOADER VALVE TO WORK AT A LOWER RPM
- + SPEED ACTIVATED RIDE CONTROL (OPTIONAL)



ENGINE ENCLOSURE EFFORTLESS SERVICE ACCESS



SIMPLE EMISSIONS SOLUTIONS

No down time for emissions is standard. Let it work for you as it **manages itself** with no additional buttons to worry about.

REVERSING FAN

Keep clean and cool with the auto reversing fan option with manual purge if needed.



EASY SERVICE

All regular maintenance items are within easy reach making service easier.



MORE POWER

EU Stage V/U.S. EPA Tier 4 Final compliant engine makes more power, efficiently when you need it.

OPERATOR STATION

FIRST CLASS VISIBILITY, ERGONOMICS AND COMFORT

FULL COLOR DASH AND SWITCHES

Information you need with additional machine features all within reach.



REAR VIEW CAMERA – STANDARD

Keep up with the entire job site with a rear view camera (standard on cab configurations) and an optional front view camera.



JOYSTICKS

Options for your work from buckets and forks to complex attachments, with two, three or four valve joysticks.

SECURITY SYSTEM

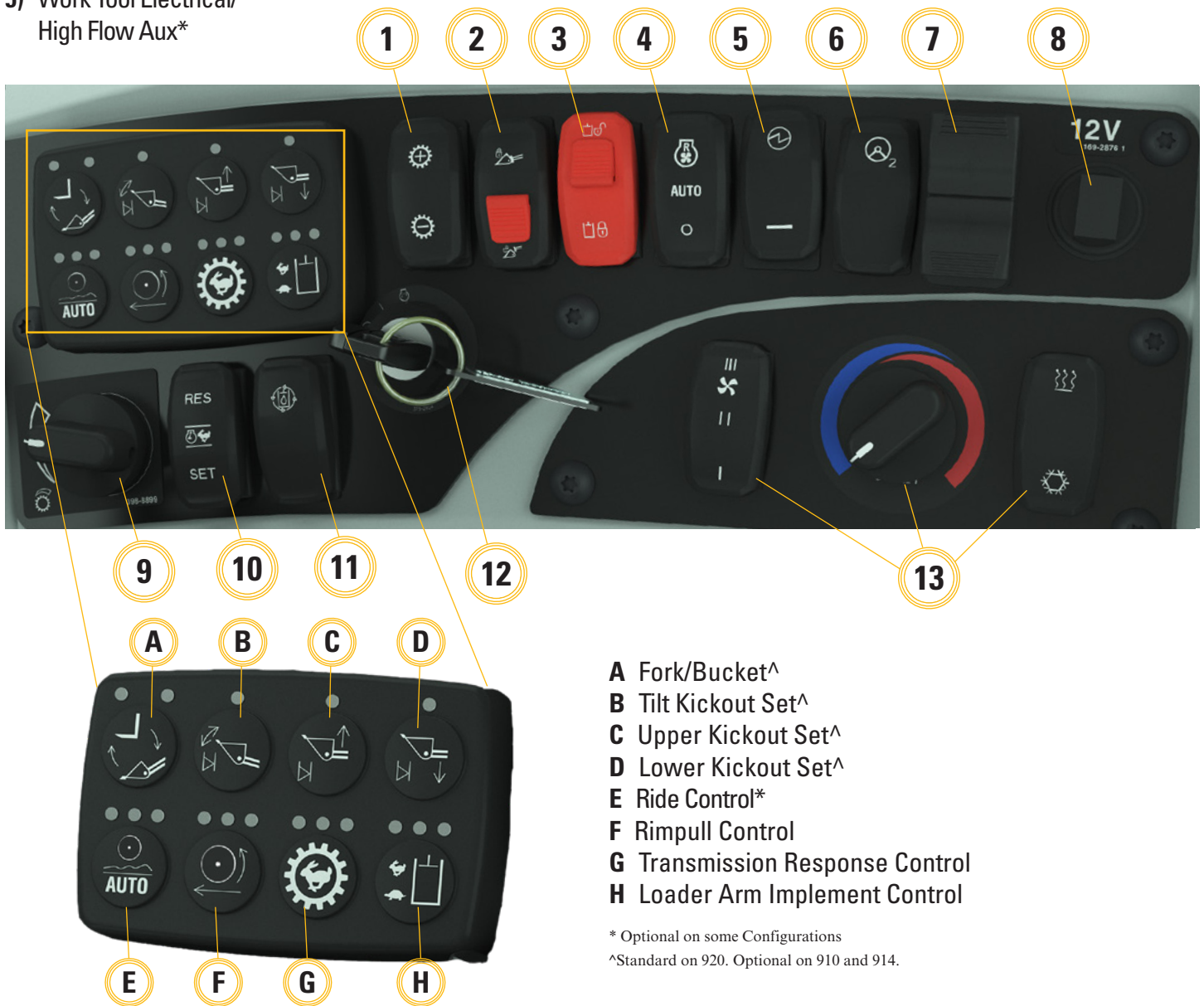
Prevent unauthorized machine usage with the optional security system.



OPTIONS AT YOUR FINGER TIPS

- 1) Speed Range Increment/Decrement*
- 2) Coupler*
- 3) Implement Lockout
- 4) Reversing Fan*
- 5) Work Tool Electrical/High Flow Aux*
- 6) Secondary Steering Test Switch*
- 7) USB Outlets
- 8) 12V Power Outlet
- 9) Creep Control
- 10) Engine Throttle Lock
- 11) Continuous Flow*
- 12) Key Switch
- 13) HVAC Controls*

* Optional on some configurations



- A Fork/Bucket^
- B Tilt Kickout Set^
- C Upper Kickout Set^
- D Lower Kickout Set^
- E Ride Control*
- F Rimpull Control
- G Transmission Response Control
- H Loader Arm Implement Control

* Optional on some Configurations

^Standard on 920. Optional on 910 and 914.

Selectable Hystat **Transmission Response Control** feature lets the operator select one of three modes to match the machine's drive response to the operator's preference, skill level and application requirements.

Selectable **Loader Arm Implement Control** feature has three levels of control that gives the operator the ability to adjust the responsiveness and speed of the lift and tilt functions for more aggressive or precise implement control.

CHOOSE YOUR CONFIGURATION

STANDARD AND CUSTOM OPTIONS FOR EVERY APPLICATION

TASK → TOOL → MACHINE = MAXIMUM EFFICIENCY ON YOUR JOB SITE

FEATURE	GENERAL PURPOSE BUCKETS	MULTI PURPOSE BUCKETS	LIGHT MATERIAL BUCKETS	HIGH DUMP BUCKETS	BROOMS	SNOW TOOLS	FORKS	MATERIAL HANDLING ARM
Loader Arm Responsiveness	✓	✓	✓	✓	✓	✓	✓	✓
Transmission Responsiveness	✓		✓	✓		✓		
Kickouts	✓	✓	✓	✓			✓	✓
Ride Control	✓		✓	✓			✓	✓
Auxiliary Flow		✓		✓	✓	✓		
Continuous Flow					✓			
Rimpull	✓	✓	✓	✓		✓		
Creep Control					✓			



WORK TOOL ATTACHMENTS FOR EVERY JOB



COUPLER OPTIONS FOR IT, ISO AND FUSION



GENERAL PURPOSE BUCKETS



MULTI PURPOSE BUCKETS



LIGHT MATERIAL BUCKETS



HIGH DUMP BUCKETS



ANGLE AND PICKUP BROOMS



SNOW PLOWS



SNOW PUSHES



FORKS



MATERIAL HANDLING ARMS



Auxiliary hydraulics are available in push or screw to connect fittings for your favorite Cat Work Tool Attachment. Electrical tool control from the cab offers unique options when needed.

HANDLER PACKAGES

UNIQUE CONFIGURATIONS FOR UNIQUE WORK



Waste Handler (914 and 920)



- 1) Reversing Fan
- 2) Engine Enclosure Guard
- 3) Tail Light Guard
- 4) Crankcase Guard
- 5) Powertrain Guard
- 6) Hitch Guard
- 7) Driveshaft Guard
- 8) Tire Options (solid or pneumatic)
- 9) Headlight Guard



Aggregate Handler (914 and 920)



- 1) Performance Matched Buckets
- 2) Pin-on or Coupler Options
- 3) Tire Options
- 4) Specific Counterweights

BIG OPTIONS, COMPACT LOADER

Dedicated configuration packages, suited for your application. When uptime is key, choose options for what your jobsite requires to get the most out of your Cat loader.



REAL-TIME INFORMATION FROM CAT LINK TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Cat Link hardware (Product Link™) and software (VisionLink®) work together to put equipment information at your fingertips. Get real-time access to information on every machine in your fleet on any jobsite—no matter the size of the operation or the brands of equipment you run.



PRODUCT LINK

Track asset location, hours, fuel usage, diagnostic codes, idle time, and more to improve your productivity and lower your operating costs. Cellular connectivity comes standard. Satellite connectivity is available.

VISIONLINK

Using the online VisionLink interface, you can see a common, collective view of your information, making it easier to manage a mixed fleet and make informed decisions.



MY.CAT.COM

You can also access Caterpillar and Cat dealer information at my.cat.com. My.cat.com gives you access to PM schedules, parts and service records, warranty coverage, and more—with a single login. Plus, you can link directly to your VisionLink account.



RENOWNED CAT DEALER SUPPORT

Rely on your Cat dealer to help you every step of the way with new or used machine sales, rental or rebuild options to meet your business needs.



910/914/920 Wheel Loader Specifications

Engine

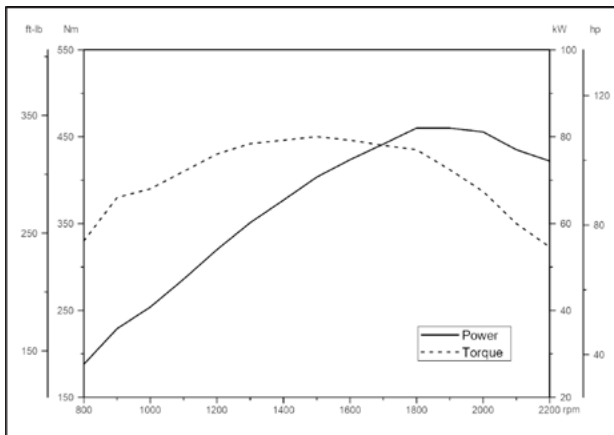
Cat® 3.6	910		914		920	
Maximum Gross Power	1800 rpm		1800 rpm		2200 rpm	
ISO 14396	82 kW	110 hp	82 kW	110 hp	90 kW	121 hp
ISO 14396 (metric)	112 hp		112 hp		122 hp	
Rated Net Power	2200 rpm		2200 rpm		2200 rpm	
SAE J1349	74 kW	99 hp	74 kW	99 hp	90 kW	121 hp
ISO 9249	73 kW	98 hp	73 kW	98 hp	88 kW	118 hp
Maximum Gross Torque						
SAE J1995	454 N·m	335 lbf-ft	454 N·m	335 lbf-ft	505 N·m	372 lbf-ft
ISO 14396	450 N·m	332 lbf-ft	450 N·m	332 lbf-ft	500 N·m	369 lbf-ft
Maximum Net Torque						
SAE J1349	446 N·m	329 lbf-ft	446 N·m	329 lbf-ft	496 N·m	366 lbf-ft
ISO 9249	443 N·m	327 lbf-ft	443 N·m	327 lbf-ft	493 N·m	363 lbf-ft
Displacement	3.6 L	220 in ³	3.6 L	220 in ³	3.6 L	220 in ³
Bore	98 mm	3.85 in	98 mm	3.85 in	98 mm	3.85 in
Stroke	120 mm	4.72 in	120 mm	4.72 in	120 mm	4.72 in

Net power ratings are tested at the reference conditions for the specified standard in the effect at the time of manufacturer.

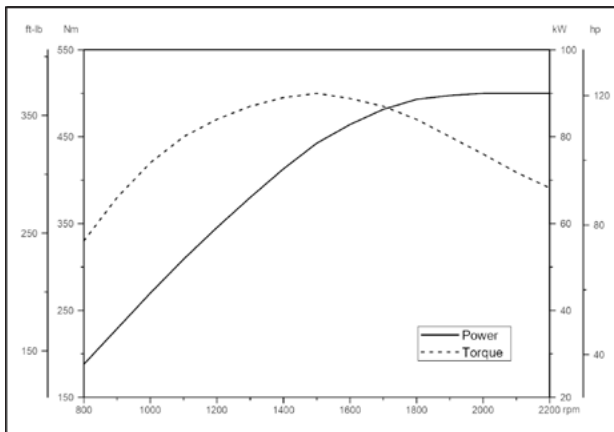
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- The Cat C3.6 engine meets EU Stage V/Tier 4 Final emission standards.

Engine Torque

910/914



920



910/914/920 Wheel Loader Specifications

Cab



- ROPS: ISO 3471:2008.
- FOPS: ISO 3449:2005 Level II.
- The declared dynamic operator Sound Pressure Level per ISO 6396:2008* is 77 dB(A) with closed doors and windows and the cab properly installed and maintained.
- The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC is 103 dB(A).

* Measurements were conducted with the cab doors and windows closed.

Loader Hydraulic System



- 910 implement system is open center control with the use of a gear pump.
- 914 and 920 implement system uses a dedicated load sensing variable displacement pump.
- Loader linkage utilizes dual double acting lift cylinders and a single double acting tilt cylinder.

	910		914		920	
Maximum Flow – Implement Pump	122 L/min	32 gal/min	148 L/min	39 gal/min	165 L/min	44 gal/min
3 rd Function, Maximum Flow, Standard	95 L/min	25 gal/min	95 L/min	25 gal/min	95 L/min	25 gal/min
3 rd Function, Maximum Flow, High	N/A	N/A	120 L/min	32 gal/min	150 L/min	40 gal/min
4 th Function, Maximum Flow	95 L/min	25 gal/min	95 L/min	25 gal/min	95 L/min	25 gal/min
Maximum Working Pressure – Implement Pump	23 500 kPa	3,408 psi	28 000 kPa	4,061 psi	28 000 kPa	4,061 psi
Relief Pressure – Tilt Cylinder	32 000 kPa	4,641 psi	32 000 kPa	4,641 psi	32 000 kPa	4,641 psi
3 rd and 4 th Function Maximum Working Pressure	20 000 kPa	2,901 psi	22 000 kPa	3,191 psi	28 000 kPa	4,061 psi
3 rd and 4 th Function Relief Pressure	25 000 kPa	3,626 psi	25 000 kPa	3,626 psi	32 000 kPa	4,641 psi
Lift Cylinder: Double Acting						
Bore Diameter	100 mm	3.9 in	100 mm	3.9 in	110 mm	4.3 in
Rod Diameter	60 mm	2.4 in	60 mm	2.4 in	60 mm	2.4 in
Stroke	593 mm	23.3 in	593 mm	23.3 in	547 mm	21.5 in
Tilt Cylinder: Double Acting						
Bore Diameter	100 mm	3.9 in	100 mm	3.9 in	110 mm	4.3 in
Rod Diameter	60 mm	2.4 in	60 mm	2.4 in	65 mm	2.6 in
Stroke	578 mm	22.8 in	578 mm	22.8 in	556 mm	21.8 in
Cycle Times						
Raise (ground level to maximum lift)	5.3 seconds		5.1 seconds		4.8 seconds	
Dump (at maximum lift height)	1.5 seconds		1.7 seconds		2.0 seconds	
Rack Back	2.7 seconds		2.3 seconds		2.3 seconds	
Float Down (maximum lift to ground level)	5.7 seconds		5.7 seconds		5.7 seconds	
Total Cycle Time	15.2 seconds		14.8 seconds		15.2 seconds	

910/914/920 Wheel Loader Specifications

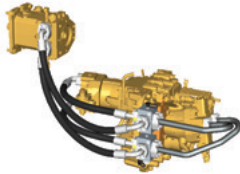
Power Train



- Differential lock can be engaged on the go at full torque up to 2.5 km/h (1.6 mph) and stays active up to 10 km/h (6.3 mph).

	910	914	920
Front Axle	Fixed	Fixed	Fixed
Traction Aid	Locking differential (std.)	Locking differential (std.)	Locking differential (std.)
Rear Axle	Oscillating	Oscillating	Oscillating
Oscillation	± 11°	± 11°	± 11°
Traction aid	Locking differential (std.)	Locking differential (std.)	Locking differential (std.)
Brakes			
Service	Inboard wet disc	Inboard wet disc	Inboard wet disc
Park	Cable applied, spring released	Cable applied, spring released	Cable applied, spring released

Transmission



- * Creeper control allows for speed control from a stand still up to 10 km/h (6.3 mph).

	910		914		920	
Forward and Reverse						
Creep Control*	10 km/h	6.3 mph	10 km/h	6.3 mph	10 km/h	6.3 mph
Speed Range 1	10 km/h	6.3 mph	10 km/h	6.3 mph	10 km/h	6.3 mph
Speed Range 2	20 km/h	12.5 mph	20 km/h	12.5 mph	20 km/h	12.5 mph
Speed Range 3	40 km/h	25 mph	40 km/h	25 mph	40 km/h	25 mph

910/914/920 Wheel Loader Specifications

Steering



- 910 steering system used a gear pump with priority flow control.
- 914 and 920 steering system uses a dedicated load sensing variable displacement pump.
- Steering system utilizes dual double acting steering cylinders.

	910		914		920	
Steering Articulation Angle (each direction)	40°		40°		40°	
Steering Cylinder: Double Acting						
Bore Diameter	60 mm	2.4 in	60 mm	2.4 in	60 mm	2.4 in
Rod Diameter	35 mm	1.4 in	35 mm	1.4 in	35 mm	1.4 in
Stroke	400 mm	15.7 in	400 mm	15.7 in	400 mm	15.7 in
Maximum Flow – Steering Pump	66 L/min	17 gal/min	82 L/min	22 gal/min	82 L/min	22 gal/min
Maximum Working Pressure – Steering Pump	18 500 kPa	2,683 psi	22 500 kPa	3,263 psi	20 000 kPa	2,901 psi
Maximum Steering Torque						
0° (straight machine)	50 375 N·m	37,155 lbf-ft	50 375 N·m	37,155 lbf-ft	57 630 N·m	42,506 lbf-ft
40° (full turn)	37 620 N·m	27,747 lbf-ft	37 620 N·m	27,747 lbf-ft	42 570 N·m	31,398 lbf-ft
Steering Cycle Times (full left to full right)						
At 2,350 rpm: 90 rpm Steering Wheel Speed	3.2 seconds		2.8 seconds		2.3 seconds	
Number of Steering Wheel Turns						
Full Left to Full Right or Full Right to Full Left	3.75 turns		3.75 turns		3.4 turns	

Service Refill Capacities

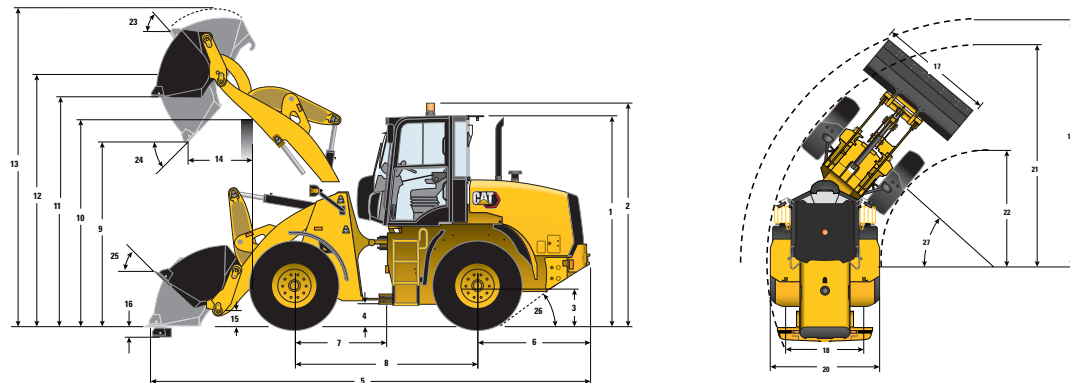
	910		914		920	
Fuel Tank	165 L	43.6 gal	165 L	43.6 gal	165 L	43.6 gal
Cooling System	21.5 L	5.7 gal	21.5 L	5.7 gal	21.5 L	5.7 gal
Engine Crankcase	9 L	2.4 gal	9 L	2.4 gal	9 L	2.4 gal
Front Axle	10.1 L	2.67 gal	12.1 L	3.2 gal	17 L	4.5 gal
Rear Axle	10.1 L	2.67 gal	12.1 L	3.2 gal	17 L	4.5 gal
Hydraulic System (including tank)	98 L	25.9 gal	98 L	25.9 gal	98 L	25.9 gal
Hydraulic Tank	55 L	14.5 gal	55 L	14.5 gal	55 L	14.5 gal
Transmission	3.2 L	0.8 gal	3.2 L	0.8 gal	3.2 L	0.8 gal
Diesel Exhaust Fluid* (DEF) Tank	19 L	5.0 gal	19 L	5.0 gal	19 L	5.0 gal

* DEF used in Cat Selective Catalyst Reduction (SCR) must meet the requirements outlined in the ISO standard 22241-1.

910/914/920 Wheel Loader Specifications

Dimensions with Bucket

All dimensions are approximate. Dimensions will vary with bucket and tire choice. Refer to Operating Specifications with Buckets.



*Vary with bucket.

**Vary with tire.

Standard Lift

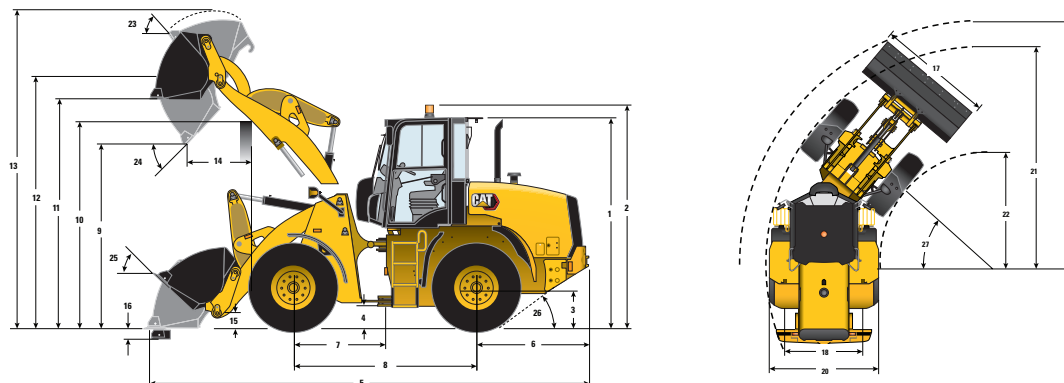
	910	914	920
** 1 Height: Ground to cab	3020 mm (9'10")	3093 mm (10'1")	3110 mm (10'2")
** 2 Height: Ground to beacon	3210 mm (10'6")	3283 mm (10'9")	3300 mm (10'9")
** 3 Height: Ground axle center	600 mm (1'11")	640 mm (2'1")	640 mm (2'1")
** 4 Height: Ground clearance	348 mm (1'1")	405 mm (1'3")	438 mm (1'5")
* 5 Length: Overall	6373 mm (20'10")	6397 mm (20'11")	6756 mm (22'1")
6 Length: Rear axle to bumper	1590 mm (5'2")	1600 mm (5'2")	1663 mm (5'5")
7 Length: Hitch to front axle	1300 mm (4'3")	1300 mm (4'3")	1350 mm (4'5")
8 Length: Wheel base	2600 mm (8'6")	2600 mm (8'6")	2700 mm (8'10")
* 9 Clearance: Bucket at 45°	2747 mm (9'0")	2749 mm (9'0")	2800 mm (9'2")
** 10 Clearance: Load over height	3284 mm (10'9")	3315 mm (10'10")	3381 mm (11'1")
** 11 Clearance: Level Bucket	3418 mm (11'2")	3446 mm (11'3")	3562 mm (11'8")
** 12 Height: Bucket pin	3673 mm (12'0")	3701 mm (12'1")	3818 mm (12'6")
** 13 Height: Overall	4646 mm (15'2")	4681 mm (15'4")	4882 mm (16'0")
* 14 Reach: Bucket at 45°	867 mm (2'10")	868 mm (2'10")	974 mm (3'2")
15 Carry height: Bucket pin	319 mm (1'0")	317 mm (1'0")	345 mm (1'1")
** 16 Dig depth	116 mm (0'4.5")	90 mm (0'3.5")	61 mm (0'2.4")
17 Width: Bucket	2401 mm (7'10")	2401 mm (7'10")	2401 mm (7'10")
18 Width: Tread center	1800 mm (5'10")	1800 mm (5'10")	1800 mm (5'10")
19 Turning radius: Over bucket	5223 mm (17'1")	5232 mm (17'2")	5425 mm (17'9")
20 Width: Over tires	2259 mm (7'4")	2259 mm (7'4")	2259 mm (7'4")
21 Turning radius: Outside of tires	4716 mm (15'5")	4741 mm (15'6")	4877 mm (16'0")
22 Turning radius: Inside of tires	2446 mm (8'0")	2426 mm (7'11")	2563 mm (8'4")
23 Rack angle at full lift	57°	57°	57°
24 Dump angle at full lift	48°	48°	47°
25 Rack angle at carry	42°	42°	44°
26 Departure angle	33°	33°	33°
27 Articulation angle	40°	40°	40°
Operating Weight	8206 kg (18,085 lb)	8677 kg (19,124 lb)	9865 kg (21,742 lb)
Tires – Michelin	15.5 R25 (L2) XTLA	17.5 R25 (L2) XTLA	17.5 R25 (L2) XTLA
Pressure in Front Tires	3.75 bar (54 psi)	3.5 bar (51 psi)	3.5 bar (51 psi)
Pressure in Rear Tires	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)

Dimensions listed are for a machine configured with general purpose IT buckets, bolt-on cutting edges, standard guarding, 80 kg (176 lb) operator, full fluids, and Michelin 15.5 R25 (L2) XTLA tires for 910 and Michelin 17.5 R25 (L2) XTLA tires for 914 and 920.

910/914/920 Wheel Loader Specifications

Dimensions with Bucket

All dimensions are approximate. Dimensions will vary with bucket and tire choice. Refer to Operating Specifications with Buckets.



**Vary with bucket.





**Vary with tire.

	910	High Lift 914	920
** 1 Height: Ground to cab	3020 mm (9'10")	3093 mm (10'1")	3110 mm (10'2")
** 2 Height: Ground to beacon	3210 mm (10'6")	3283 mm (10'9")	3300 mm (10'9")
** 3 Height: Ground axle center	600 mm (1'11")	640 mm (2'1")	640 mm (2'1")
** 4 Height: Ground clearance	348 mm (1'1")	405 mm (1'3")	438 mm (1'5")
* 5 Length: Overall	6905 mm (22'7")	6940 mm (22'9")	7106 mm (23'3")
6 Length: Rear axle to bumper	1590 mm (5'2")	1600 mm (5'2")	1615 mm (5'3")
7 Length: Hitch to front axle	1300 mm (4'3")	1300 mm (4'3")	1350 mm (4'5")
8 Length: Wheel base	2600 mm (8'6")	2600 mm (8'6")	2700 mm (8'10")
* 9 Clearance: Bucket at 45°	3125 mm (10'3")	3118 mm (10'2")	3126 mm (10'3")
** 10 Clearance: Load over height	3397 mm (11'1")	3429 mm (11'2")	3447 mm (11'3")
** 11 Clearance: Level Bucket	3774 mm (12'4")	3800 mm (12'5")	3851 mm (12'7")
** 12 Height: Bucket pin	4030 mm (13'2")	4055 mm (13'3")	4106 mm (13'5")
** 13 Height: Overall	5002 mm (16'4")	5034 mm (16'6")	5135 mm (16'10")
* 14 Reach: Bucket at 45°	1115 mm (3'7")	1109 mm (3'7")	1137 mm (3'8")
15 Carry height: Bucket pin	480 mm (1'6")	483 mm (1'6")	499 mm (1'7")
** 16 Dig depth	295 mm (0'11.6")	273 mm (0'10.7")	214 mm (0'8.4")
17 Width: Bucket	2401 mm (7'10")	2401 mm (7'10")	2401 mm (7'10")
18 Width: Tread center	1800 mm (5'10")	1800 mm (5'10")	1800 mm (5'10")
19 Turning radius: Over bucket	5465 mm (17'11")	5482 mm (17'11")	5694 mm (18'8")
20 Width: Over tires	2259 mm (7'4")	2259 mm (7'4")	2259 mm (7'4")
21 Turning radius: Outside of tires	4716 mm (15'5")	4741 mm (15'6")	4877 mm (16'0")
22 Turning radius: Inside of tires	2446 mm (8'0")	2426 mm (7'11")	2563 mm (8'4")
23 Rack angle at full lift	60°	60°	47°
24 Dump angle at full lift	44°	44°	48°
25 Rack angle at carry	50°	50°	36°
26 Departure angle	33°	33°	33°
27 Articulation angle	40°	40°	40°
Operating Weight	8548 kg (18,840 lb)	8977 kg (19,785 lb)	10 044 kg (22,136 lb)
Tires – Michelin	15.5 R25 (L2) XTLA	17.5 R25 (L2) XTLA	17.5 R25 (L2) XTLA
Pressure in Front Tires	3.75 bar (54 psi)	3.5 bar (51 psi)	3.5 bar (51 psi)
Pressure in Rear Tires	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)

Dimensions listed are for a machine configured with general purpose IT buckets, bolt-on cutting edges, standard guarding, 80 kg (176 lb) operator, full fluids, and Michelin 15.5 R25 (L2) XTLA tires for 910 and Michelin 17.5 R25 (L2) XTLA tires for 914 and 920.

910/914/920 Wheel Loader Specifications

910 Operating Specifications with Buckets

		General Purpose Buckets						High Lift
								
		Pin On	IT		ISO 23727		Flat Floor	
Rated capacity 100% (including BOCE)	m ³	1.4	1.3	1.5	1.3	1.5	1.5	–
	yd ³	(1.8)	(1.7)	(2.0)	(1.7)	(2.0)	(2.0)	–
Rated capacity 110% (including BOCE)	m ³	1.54	1.43	1.65	1.43	1.65	1.65	–
	yd ³	(2.0)	(1.87)	(2.16)	(1.87)	(2.16)	(2.16)	–
17 Width: Bucket	mm	2401	2401	2401	2401	2401	2401	–
	ft/in	(7'10")	(7'10")	(7'10")	(7'10")	(7'10")	(7'10")	–
Nominal Material Density 110% Fill Factor	kg/m ³	1690	1713	1463	1671	1428	1399	–129
	lb/yd ³	(2,849)	(2,887)	(2,466)	(2,817)	(2,407)	(2,358)	(–284)
9 Clearance: Full Lift, 45° Dump	mm	2846	2809	2747	2772	2709	2759	–346
	ft/in	(9'4")	(9'2")	(9'0")	(9'1")	(8'10")	(9'0")	(–1'10")
14 Reach: Full Lift, 45° Dump	mm	759	820	867	863	909	970	+273
	ft/in	(2'5")	(2'8")	(2'10")	(2'9")	(2'11")	(3'2")	(0'10")
Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1338	1380	1392	1403	1411	1502	+476
	ft/in	(4'4")	(4'6")	(4'6")	(4'7")	(4'7")	(4'11")	(1'6")
Reach: Level Arm, Level Bucket	mm	2026	2092	2172	2149	2228	2227	+456
	ft/in	(6'7")	(6'10")	(7'1")	(7'0")	(7'3")	(7'3")	(1'5")
16 Dig Depth	mm	116	117	116	117	117	115	+178
	in	(4.5")	(4.6")	(4.6")	(4.6")	(4.6")	(4.5")	(0'7")
5 Length: Overall	mm	6269	6337	6417	6394	6473	6470	+572
	ft/in	(20' 6")	(20' 9")	(21' 0")	(20' 11")	(21' 2")	(21' 2")	(1' 10")
13 Height: Overall	mm	4534	4563	4646	4599	4667	4675	+422
	ft/in	(14'10")	(14'11")	(15'2")	(15'1")	(15'3")	(15'4")	(1'4")
19 Turning Radius: Bucket at Carry	mm	5180	5199	5223	5216	5239	5239	+290
	ft/in	(16'11")	(17'0")	(17'1")	(17'1")	(17'2")	(17'2")	(0'11")
Tipping Load – Straight, ISO 14397-1*	kg	6187	5845	5769	5709	5635	5527	–792
	lb	(13,635)	(12,882)	(12,714)	(12,581)	(12,418)	(12,181)	(–1,745)
Tipping Load – Straight, Rigid Tire**	kg	6444	6089	6009	5946	5869	5757	–825
	lb	(14,203)	(13,419)	(13,243)	(13,105)	(12,936)	(12,689)	(–1,818)
Tipping Load – Full Turn, ISO 14397-1*	kg	5207	4898	4828	4779	4711	4618	–703
	lb	(11,475)	(10,795)	(10,641)	(10,532)	(10,382)	(10,177)	(–1,549)
Tipping Load – Full Turn, Rigid Tire**	kg	5539	5211	5136	5084	5012	4895	–748
	lb	(12,207)	(11,484)	(11,320)	(11,204)	(11,045)	(10,788)	(–1,648)
Breakout Force	kgf	7237	6741	6158	6298	5787	5720	+54
	lbf	(16,148)	(14,857)	(13,572)	(13,881)	(12,754)	(12,606)	(119)
Operating Weight	kg	7899	8086	8126	8109	8147	8308	+385
	lb	(17,408)	(17,822)	(17,909)	(17,871)	(17,956)	(18,310)	(848)




*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

Dimensions listed are for a 910 configured with bucket, bolt-on cutting edge, counterweights, additional guarding, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 3.75 bar (54 psi) in the front tires and 2.5 bar (36 psi) in the rear tires.

910/914/920 Wheel Loader Specifications

910 Operating Specifications with Buckets

		Light Material Buckets					High Lift
							
		Pin On	IT		ISO 23727		
Rated capacity 100% (including BOCE)	m ³	2.5	2.5	3.0	2.5	3.0	–
	yd ³	(3.3)	(3.3)	(3.9)	(3.3)	(3.9)	–
Rated capacity 110% (including BOCE)	m ³	2.75	2.75	3.3	2.75	3.3	–
	yd ³	(3.6)	(3.6)	(4.3)	(3.6)	(4.3)	–
17 Width: Bucket	mm	2549	2549	2549	2549	2549	–
	ft/in	(8'4")	(8'4")	(8'4")	(8'4")	(8'4")	–
Nominal Material Density 110% Fill Factor	kg/m ³	870	813	674	775	635	–129
	lb/yd ³	(1,466)	(1,370)	(1,136)	(1,306)	(1,070)	(–284)
9 Clearance: Full Lift, 45° Dump	mm	2526	2479	2416	2415	2351	+378
	ft/in	(8'3")	(8'1")	(7'11")	(7'11")	(7'8")	(1'2")
14 Reach: Full Lift, 45° Dump	mm	995	1038	1102	1067	1131	+251
	ft/in	(3'3")	(3'4")	(3'7")	(3'6")	(3'8")	(0'9")
Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1372	1380	1391	1356	1363	+499
	ft/in	(4'6")	(4'6")	(4'6")	(4'5")	(4'5")	(1'7")
Reach: Level Arm, Level Bucket	mm	2426	2490	2581	2558	2648	+415
	ft/in	(7'11")	(8'2")	(8'5")	(8'4")	(8'8")	(1'4")
16 Dig Depth	mm	145	148	148	163	163	+178
	in	(5.7")	(5.8")	(5.8")	(6.4")	(6.4")	(0' 7")
5 Length: Overall	mm	6678	6745	6835	6835	6926	+530
	ft/in	(21'10")	(22'1")	(22'5")	(22'5")	(22'8")	(1'8")
13 Height: Overall	mm	4863	4899	5080	5048	5148	+356
	ft/in	(15'11")	(16'0")	(16'8")	(16'6")	(16'10")	(1'2")
19 Turning Radius: Bucket at Carry	mm	5389	5405	5436	5440	5472	+249
	ft/in	(17'8")	(17'8")	(17'10")	(17'10")	(17'11")	(0'9")
Tipping Load – Straight, ISO 14397-1*	kg	5736	5384	5371	5141	5070	–732
	lb	(12,642)	(11,867)	(11,836)	(11,330)	(11,173)	(–1,613)
Tipping Load – Straight, Rigid Tire**	kg	5975	5609	5594	5355	5281	–763
	lb	(13,169)	(12,361)	(12,329)	(11,802)	(11,639)	(–1,681)
Tipping Load – Full Turn, ISO 14397-1*	kg	4786	4472	4450	4262	4193	–645
	lb	(10,549)	(9,855)	(9,808)	(9,393)	(9,241)	(–1,421)
Tipping Load – Full Turn, Rigid Tire**	kg	5074	4740	4717	4518	4444	–684
	lb	(11,182)	(10,446)	(10,396)	(9,956)	(9,795)	(–1,507)
Breakout Force	kgf	4343	4667	4288	3801	3739	+79
	lbf	(9,572)	(10,285)	(9,451)	(8,376)	(8,240)	(174)
Operating Weight	kg	8156	8344	8412	8361	8429	+342
	lb	(17,976)	(18,390)	(18,540)	(18,427)	(18,577)	(753)






*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

Dimensions listed are for a 910 configured with bucket, bolt-on cutting edge, counterweights, additional guarding, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 3.75 bar (54 psi) in the front tires and 2.5 bar (36 psi) in the rear tires.

910/914/920 Wheel Loader Specifications

914 Operating Specifications with Buckets

		General Purpose Buckets					High Lift	
								
		Pin On	IT		ISO 23727	Fusion		Flat Floor
Rated capacity 100% (including BOCE)	m ³	1.6	1.5	1.6	1.5	1.5	1.5	–
	yd ³	(2.1)	(2.0)	(2.1)	(2.0)	(2.0)	(2.0)	–
Rated capacity 110% (including BOCE)	m ³	1.76	1.65	1.76	1.65	1.65	1.65	–
	yd ³	(2.3)	(2.16)	(2.3)	(2.16)	(2.16)	(2.16)	–
17 Width: Bucket	mm	2401	2401	2401	2401	2401	2401	–
	ft/in	(7'10")	(7'10")	(7'10")	(7'10")	(7'10")	(7'10")	–
Nominal Material Density 110% Fill Factor	kg/m ³	1587	1595	1487	1558	1463	1528	–193
	lb/yd ³	(2,675)	(2,688)	(2,506)	(2,626)	(2,466)	(2,576)	(–425)
9 Clearance: Full Lift, 45° Dump	mm	2820	2775	2749	2738	2652	2973	+397
	ft/in	(9'3")	(9'1")	(9'0")	(8'11")	(8'8")	(9'9")	(1'9")
14 Reach: Full Lift, 45° Dump	mm	790	847	868	889	748	1169	+219
	ft/in	(2'7")	(2'9")	(2'10")	(2'10")	(2'5")	(3'10")	(0'9")
Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1352	1384	1390	1404	1210	1808	+461
	ft/in	(4'5")	(4'6")	(4'6")	(4'7")	(3'11")	(5'11")	(1'9")
Reach: Level Arm, Level Bucket	mm	2072	2143	2177	2199	2172	2230	+379
	ft/in	(6'9")	(7'0")	(7'1")	(7'2")	(7'1")	(7'3")	(1'9")
16 Dig Depth	mm	89	89	89	90	189	88	+183
	in	(3.5")	(3.5")	(3.5")	(3.5")	(7.5")	(3.5")	(0' 9")
5 Length: Overall	mm	6356	6428	6462	6484	6548	6514	+507
	ft/in	(20'10")	(21'1")	(21'2")	(21'3")	(21'5")	(21'4")	(1'9")
13 Height: Overall	mm	4621	4674	4681	4695	4593	4725	+304
	ft/in	(15'1")	(15'4")	(15'4")	(15'4")	(15'0")	(15'6")	(0'9")
19 Turning Radius: Bucket at Carry	mm	5200	5222	5232	5240	5267	5250	+238
	ft/in	(17'0")	(17'1")	(17'2")	(17'2")	(17'3")	(17'2")	(0'9")
Tipping Load – Straight, ISO 14397-1*	kg	6649	6292	6257	6149	5803	6053	–749
	lb	(14,654)	(13,867)	(13,791)	(13,551)	(12,789)	(13,341)	(–1,650)
Tipping Load – Straight, Rigid Tire**	kg	6926	6554	6518	6405	6044	6306	–780
	lb	(15,264)	(14,445)	(14,365)	(14,116)	(13,322)	(13,897)	(–1,719)
Tipping Load – Full Turn, ISO 14397-1*	kg	5586	5265	5234	5140	4829	5042	–656
	lb	(12,312)	(11,603)	(11,534)	(11,328)	(10,643)	(11,113)	(–1,445)
Tipping Load – Full Turn, Rigid Tire**	kg	5943	5601	5568	5468	5119	5345	–697
	lb	(13,098)	(12,344)	(12,271)	(12,051)	(11,281)	(11,780)	(–1,536)
Breakout Force	kgf	7981	7357	7095	6924	7090	6630	+54
	lbf	(17,589)	(16,214)	(15,636)	(15,259)	(15,625)	(14,613)	(119)
Operating Weight	kg	8458	8646	8662	8668	8821	8778	+282
	lb	(18,641)	(19,056)	(19,091)	(19,103)	(19,442)	(19,352)	(621)





*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

Dimensions listed are for a 914 configured with bucket, bolt-on cutting edge, counterweights, additional guarding, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 3.75 bar (54 psi) in the front tires and 2.5 bar (36 psi) in the rear tires.

910/914/920 Wheel Loader Specifications

914 Operating Specifications with Buckets

		Light Material Buckets					High Lift
							
		Pin On	IT		ISO 23727	Fusion	
Rated capacity 100% (including BOCE)	m ³	2.5	2.5	3.0	2.5	2.5	–
	yd ³	(3.3)	(3.3)	(3.9)	(3.3)	(3.3)	–
Rated capacity 110% (including BOCE)	m ³	2.75	2.75	3.3	2.75	2.75	–
	yd ³	(3.6)	(3.6)	(4.3)	(3.6)	(3.6)	–
17 Width: Bucket	mm	2549	2549	2549	2549	2549	–
	ft/in	(8'4")	(8'4")	(8'4")	(8'4")	(8'4")	–
Nominal Material Density 110% Fill Factor	kg/m ³	950	890	739	850	635	–103
	lb/yd ³	(1,601)	(1,500)	(1,246)	(1,433)	(1,070)	(–227)
9 Clearance: Full Lift, 45° Dump	mm	2555	2508	2444	2443	2195	+366
	ft/in	(8'4")	(8'2")	(8'0")	(8'0")	(7'2")	(1'2")
14 Reach: Full Lift, 45° Dump	mm	977	1022	1086	1052	1156	+236
	ft/in	(3'2")	(3'4")	(3'6")	(3'5")	(3'9")	(0'2")
Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1372	1381	1395	1360	1229	+501
	ft/in	(4'6")	(4'6")	(4'6")	(4'5")	(4'0")	(1'2")
Reach: Level Arm, Level Bucket	mm	2397	2462	2552	2530	2780	+415
	ft/in	(7'10")	(8'0")	(8'4")	(8'3")	(9'1")	(1'2")
16 Dig Depth	mm	118	121	121	136	229	+184
	in	(4.6")	(4.8")	(4.8")	(5.4")	(9")	(0'2")
5 Length: Overall	mm	6689	6756	6847	6849	7189	+541
	ft/in	(21'11")	(22'1")	(22'5")	(22'5")	(23'7")	(1'2")
13 Height: Overall	mm	4891	4927	5108	5076	5471	+353
	ft/in	(16'0")	(16'1")	(16'9")	(16'7")	(17'11")	(1'2")
19 Turning Radius: Bucket at Carry	mm	5389	5406	5437	5443	5501	+257
	ft/in	(17'8")	(17'8")	(17'10")	(17'10")	(18'0")	(0'2")
Tipping Load – Straight, ISO 14397-1*	kg	6264	5893	5883	5634	4346	–728
	lb	(13,805)	(12,988)	(12,966)	(12,416)	(9,579)	(–1,604)
Tipping Load – Straight, Rigid Tire**	kg	6525	6139	6128	5869	4527	–759
	lb	(14,381)	(13,529)	(13,506)	(12,934)	(9,978)	(–1,672)
Tipping Load – Full Turn, ISO 14397-1*	kg	5227	4896	4878	4673	3495	–639
	lb	(11,520)	(10,791)	(10,751)	(10,300)	(7,703)	(–1,408)
Tipping Load – Full Turn, Rigid Tire**	kg	5541	5190	5171	4954	3718	–678
	lb	(12,211)	(11,439)	(11,396)	(10,918)	(8,194)	(–1,494)
Breakout Force	kgf	5206	5612	5169	4577	3913	+79
	lbf	(11,473)	(12,368)	(11,393)	(10,087)	(8,623)	(174)
Operating Weight	kg	8677	8865	8933	8882	9666	+300
	lb	(19,124)	(19,537)	(19,687)	(19,574)	(21,304)	(661)






*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

Dimensions listed are for a 914 configured with bucket, bolt-on cutting edge, counterweights, additional guarding, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 3.75 bar (54 psi) in the front tires and 2.5 bar (36 psi) in the rear tires.

910/914/920 Wheel Loader Specifications

920 Operating Specifications with Buckets

		General Purpose Buckets					High Lift	
								
		Pin On	IT		ISO 23727	Fusion		Flat Floor
Rated capacity 100% (including BOCE)	m ³	1.8	1.7	1.9	1.7	1.7	1.8	–
	yd ³	(2.4)	(2.2)	(2.5)	(2.2)	(2.2)	(2.4)	–
Rated capacity 110% (including BOCE)	m ³	1.98	1.87	2.09	1.87	1.87	1.98	–
	yd ³	(2.59)	(2.45)	(2.7)	(2.45)	(2.45)	(2.59)	–
17 Width: Bucket	mm	2401	2401	2401	2401	2401	2401	–
	ft/in	(7'10")	(7'10")	(7'10")	(7'10")	(7'10")	(7'10")	–
Nominal Material Density 110% Fill Factor	kg/m ³	1607	1611	1416	1572	1496	1437	–245
	lb/yd ³	(2,709)	(2,715)	(2,387)	(2,650)	(2,521)	(2,422)	(–539)
9 Clearance: Full Lift, 45° Dump	mm	2882	2838	2780	2800	2708	2776	+289
	ft/in	(9'5")	(9'3")	(9'1")	(9'2")	(8'10")	(9'1")	(0'11")
14 Reach: Full Lift, 45° Dump	mm	881	933	966	974	972	996	+204
	ft/in	(2'10")	(3'0")	(3'2")	(3'2")	(3'2")	(3'3")	(0'8")
Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1493	1521	1521	1541	1483	1548	+395
	ft/in	(4'10")	(4'11")	(4'11")	(5'0")	(4'10")	(5'0")	(1'3")
Reach: Level Arm, Level Bucket	mm	2242	2310	2378	2366	2427	2399	+353
	ft/in	(7'4")	(7'6")	(7'9")	(7'9")	(7'11")	(7'10")	(1'1")
16 Dig Depth	mm	60	60	60	61	131	60	+153
	in	(2.4")	(2.4")	(2.4")	(2.4")	(5.2")	(2.4")	(0'6")
5 Length: Overall	mm	6631	6700	6767	6756	6877	6787	+454
	ft/in	(21'9")	(21'11")	(22'2")	(22'1")	(22'6")	(22'3")	(1'5")
13 Height: Overall	mm	4825	4847	4928	4882	4857	4927	+288
	ft/in	(15'9")	(15'10")	(16'1")	(16'0")	(15'11")	(16'1")	(0'11")
19 Turning Radius: Bucket at Carry	mm	5390	5410	5434	5425	5483	5436	+284
	ft/in	(17'8")	(17'8")	(17'9")	(17'9")	(17'11")	(17'10")	(0'11")
Tipping Load – Straight, ISO 14397-1*	kg	7457	7083	6967	6917	6597	6731	–998
	lb	(16,434)	(15,609)	(15,356)	(15,244)	(14,540)	(14,836)	(–2,199)
Tipping Load – Straight, Rigid Tire**	kg	7767	7378	7258	7205	6872	7012	–1040
	lb	(17,118)	(16,260)	(15,996)	(15,879)	(15,146)	(15,454)	(–2,292)
Tipping Load – Full Turn, ISO 14397-1*	kg	6364	6026	5921	5878	5597	5689	–883
	lb	(14,026)	(13,280)	(13,049)	(12,955)	(12,335)	(12,537)	(–1,946)
Tipping Load – Full Turn, Rigid Tire**	kg	6770	6410	6299	6253	5954	6030	–939
	lb	(14,922)	(14,128)	(13,882)	(13,782)	(13,122)	(13,289)	(–2,069)
Breakout Force	kgf	9113	8481	7875	7934	7625	7694	–473
	lbf	(20,085)	(18,691)	(17,357)	(17,485)	(16,805)	(16,957)	(–1,042)
Operating Weight	kg	9656	9843	9897	9865	9981	9787	+380
	lb	(21,282)	(21,694)	(21,813)	(21,742)	(21,998)	(21,571)	(837)





*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

Dimensions listed are for a 920 configured with bucket, bolt-on cutting edge, counterweights, additional guarding, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 3.75 bar (54 psi) in the front tires and 2.5 bar (36 psi) in the rear tires.

910/914/920 Wheel Loader Specifications

920 Operating Specifications with Buckets

		Light Material Buckets						High Lift
								
		Pin On	IT		ISO 23727		Fusion	
Rated capacity 100% (including BOCE)	m ³	3.0	2.5	3.0	3.0	3.5	3.5	–
	yd ³	(3.9)	(3.3)	(3.9)	(3.9)	(4.6)	(4.6)	–
Rated capacity 110% (including BOCE)	m ³	3.3	2.75	3.3	3.3	3.85	3.85	–
	yd ³	(4.3)	(3.6)	(4.3)	(4.3)	(5.0)	(5.0)	–
17 Width: Bucket	mm	2549	2549	2549	2549	2549	2549	–
	ft/in	(8'4")	(8'4")	(8'4")	(8'4")	(8'4")	(8'4")	–
Nominal Material Density 110% Fill Factor	kg/m ³	940	1018	846	801	679	606	–149
	lb/yd ³	(1,660)	(1,716)	(1,426)	(1,350)	(1,144)	(1,021)	(–328)
9 Clearance: Full Lift, 45° Dump	mm	2607	2624	2560	2496	2404	2729	+314
	ft/in	(8'6")	(8'7")	(8'4")	(8'2")	(7'10")	(8'11")	(1'0")
14 Reach: Full Lift, 45° Dump	mm	1081	1061	1124	1153	1245	1646	+239
	ft/in	(3'6")	(3'5")	(3'8")	(3'9")	(4'1")	(5'4")	(0'9")
Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1524	1516	1533	1513	1528	1646	+425
	ft/in	(4'11")	(4'11")	(5'0")	(4'11")	(5'0")	(5'4")	(1'4")
Reach: Level Arm, Level Bucket	mm	2584	2558	2648	2716	2846	3134	+353
	ft/in	(8'5")	(8'4")	(8'8")	(8'10")	(9'4")	(10'3")	(1'1")
16 Dig Depth	mm	89	93	93	108	108	261	+153
	in	(3.5")	(3.7")	(3.6")	(4.2")	(4.2")	(10.3")	(0'6")
5 Length: Overall	mm	6980	6909	6999	7090	7220	7865	+452
	ft/in	(22'10")	(22'8")	(22'11")	(23'3")	(23'8")	(25'9")	(1'5")
13 Height: Overall	mm	5157	5043	5224	5292	5356	5733	+289
	ft/in	(16'11")	(16'6")	(17'1")	(17'4")	(17'6")	(18'9")	(0'11")
19 Turning Radius: Bucket at Carry	mm	5586	5571	5601	5637	5684	6000	+232
	ft/in	(18'3")	(18'3")	(18'4")	(18'5")	(18'7")	(19'8")	(0'9")
Tipping Load – Straight, ISO 14397-1*	kg	6867	6528	6521	6181	6125	5589	–984
	lb	(15,135)	(14,388)	(14,372)	(13,622)	(13,499)	(12,318)	(–2,168)
Tipping Load – Straight, Rigid Tire**	kg	7154	6800	6793	6438	6380	5822	–1025
	lb	(15,772)	(14,988)	(14,971)	(14,189)	(14,061)	(12,831)	(–2,259)
Tipping Load – Full Turn, ISO 14397-1*	kg	5826	5599	5585	5287	5230	4669	–893
	lb	(12,840)	(12,340)	(12,308)	(11,651)	(11,527)	(10,291)	(–1,968)
Tipping Load – Full Turn, Rigid Tire**	kg	6176	5935	5920	5604	5544	4950	–946
	lb	(13,611)	(13,080)	(13,046)	(12,350)	(12,219)	(10,908)	(–2,084)
Breakout Force	kgf	6451	5697	5627	5678	5608	5192	–390
	lbf	(14,218)	(12,556)	(12,401)	(12,515)	(12,359)	(11,443)	(–859)
Operating Weight	kg	9908	9674	9742	9758	9819	10618	+367
	lb	(21,836)	(21,320)	(21,470)	(21,507)	(21,640)	(23,401)	(808)

*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

Dimensions listed are for a 920 configured with bucket, bolt-on cutting edge, counterweights, additional guarding, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 3.75 bar (54 psi) in the front tires and 2.5 bar (36 psi) in the rear tires.

910/914/920 Wheel Loader Specifications

General Purpose Bucket Selection – Standard Lift

		Material Type		Counterweight		Fill Factor %		Material Type														Tip Load Full Turn*	
						110%	105%	Shale	Sand, Dry and Loose Clay and Gravel, Dry	Clay, Natural Bed, Dry Sandstone	Limestone, Crushed Clay and Gravel, Wet	Sand and Clay, Loose	25% Rock, 75% Earth	Gypsum, Crushed Granite, Broken Clay, Natural Bed, Wet	Sand and Gravel, Dry Sand, Damp	50% Rock, 50% Earth	Sand, Wet	Gravel, Pitrun	75% Rock, 25% Earth				
910	Pin On	m ³	yd ³	kg/m ³	lb/yd ³	1250 (2,107)	1325 (2,233)	1400 (2,360)	1475 (2,486)	1550 (2,613)	1625 (2,739)	1700 (2,865)	1775 (2,992)	1850 (3,118)	1925 (3,245)	2000 (3,371)	kg	(lb)					
		910	Pin On	1.4 (1.8)	Aggregate	Not Available														5207	(11,479)		
1.6 (2.1)	Aggregate					Not Available																	
			IT	1.3 (1.7)	Aggregate	Not Available														4898	(10,798)		
1.5 (2.0)	Aggregate					Not Available																	
			IT	1.3 (1.7)	Standard	115%	110%	105%	100%											4828	(10,644)		
1.5 (2.0)	Standard					115%	110%	105%	100%														
		914	Pin On	1.6 (2.1)	Aggregate	115%														6010	(13,249)		
1.8 (2.4)	Aggregate					115%																	
				IT	1.5 (2.0)	Aggregate	115%														5630	(12,412)	
1.7 (2.2)	Aggregate						115%																
			IT	1.6 (2.1)	Standard	115%	110%	105%	100%										5234	(11,539)			
1.7 (2.2)	Standard					115%	110%	105%	100%														
			Fusion	1.5 (2.0)	Aggregate	115%														5194	(11,450)		
1.6 (2.1)	Aggregate					115%																	
			Fusion	1.6 (2.1)	Standard	115%	110%	105%	100%										4829	(10,646)			
1.7 (2.2)	Standard					115%	110%	105%	100%														
			920	Pin On	1.8 (2.4)	Aggregate	115%														6820	(15,035)	
2.0 (2.6)	Aggregate						115%																
					IT	1.6 (2.1)	Aggregate	115%														6422	(14,158)
1.7 (2.2)	Aggregate							115%															
				IT	1.7 (2.2)	Standard	115%	110%	105%	100%									6026	(13,285)			
1.9 (2.5)	Standard						115%	110%	105%	100%													
				Fusion	1.7 (2.2)	Aggregate	115%														5993	(13,212)	
1.9 (2.5)	Aggregate						115%																
		Fusion		1.7 (2.2)	Standard	115%	110%	105%	100%									5597	(12,339)				
1.9 (2.5)	Standard					115%	110%	105%	100%														
		Fusion		1.9 (2.5)	Aggregate	115%														5894	(12,994)		
1.9 (2.5)	Aggregate					115%																	
		Fusion		1.9 (2.5)	Standard	115%	110%	105%	100%									5498	(12,121)				
1.9 (2.5)	Standard					115%	110%	105%	100%														

Material density, fill factor, and counterweight options are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate Fill Factors greater than 100% ISO rated. Refer to the expected Fill Factor % per Material Type at the top of the table and find a matching Counterweight and Fill Factor along the side for proper bucket sizing.

*Full compliance to ISO 14397-1:2007 Section 1- 6, which requires 2% verification between calculation and testing.

910/914/920 Wheel Loader Specifications

Light Material Bucket Selection – Standard Lift

		Material Type													Tip Load Full Turn*		
		Municipal Solid Waste Flour, Wheat	Compacted Solid Waste Barley, Bulk	Asphalt, Crushed Soy Beans, Bulk	Corn Shelled, Bulk Glass, Semi Crushed Bulk Grain	Construction and Demolition Silage, Packed Manure/Muck, Wet	Coal Bituminous, Washed Peat, Moist	Coal Bituminous, Raw	Sugar, Raw Cane	Fertilizer, Mixed	Coal Anthracite, Washed Gypsum, Pulverized						
910	Pin On	Fill Factor %		580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	1120 (1,888)	1180 (1,989)	kg	(lb)	
		2.5 (3.3)	Aggregate	Not Available													
3.0 (3.9)	Aggregate	Not Available															
2.5 (3.3)	Standard							115%	110%	105%	100%				4786	(10,551)	
3.0 (3.9)	Standard		115%	110%	105%	100%									4586	(10,110)	
IT	2.5 (3.3)	Aggregate	Not Available														
	3.0 (3.9)	Aggregate	Not Available														
2.5 (3.3)	Standard							115%	110%	105%	100%				4472	(9,859)	
3.0 (3.9)	Standard		115%	110%	105%	100%									4450	(9,810)	
914	Pin On	kg/m ³ (lb/yd ³)		580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	1120 (1,888)	1180 (1,989)	kg	(lb)	
		2.5 (3.3)	Aggregate	115% 110% 105% 100%													5651
3.0 (3.9)	Aggregate	115% 110% 105% 100%													5227	(11,523)	
2.5 (3.3)	Standard							115%	110%	105%	100%				5434	(11,980)	
3.0 (3.9)	Standard		115%	110%	105%	100%									5010	(11,045)	
IT	2.5 (3.3)	Aggregate	115% 110% 105% 100%													5320	(11,728)
	3.0 (3.9)	Aggregate	115% 110% 105% 100%													4896	(10,793)
2.5 (3.3)	Standard							115%	110%	105%	100%				5302	(11,689)	
3.0 (3.9)	Standard		115%	110%	105%	100%									4878	(10,754)	
Fusion	2.5 (3.3)	Aggregate	115% 110% 105% 100%													5153	(11,360)
	3.0 (3.9)	Aggregate	115% 110% 105% 100%													4788	(10,555)
2.5 (3.3)	Standard							115%	110%	105%	100%				5217	(11,501)	
3.0 (3.9)	Standard		115%	110%	105%	100%									4852	(10,696)	
2.5 (3.3)	Standard							115%	110%	105%	100%				5173	(11,404)	
3.0 (3.9)	Standard		115%	110%	105%	100%									4808	(10,599)	
920	Pin On	kg/m ³ (lb/yd ³)		580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	1120 (1,888)	1180 (1,989)	kg	(lb)	
		3.0 (3.9)	Aggregate	115% 110% 105% 100%													5126
3.5 (4.6)	Aggregate	115% 110% 105% 100%													4670	(10,295)	
3.0 (3.9)	Standard							115%	110%	105%	100%				5041	(11,113)	
3.5 (4.6)	Standard		115%	110%	105%	100%									4585	(10,108)	
IT	2.5 (3.3)	Aggregate	115% 110% 105% 100%													6038	(13,311)
	3.0 (3.9)	Aggregate	115% 110% 105% 100%													5599	(12,343)
2.5 (3.3)	Standard							115%	110%	105%	100%				6024	(13,280)	
3.0 (3.9)	Standard		115%	110%	105%	100%									5585	(12,312)	
Fusion	2.5 (3.3)	Aggregate	115% 110% 105% 100%													5887	(12,978)
	3.5 (4.6)	Aggregate	115% 110% 105% 100%													5491	(12,105)
2.5 (3.3)	Standard							115%	110%	105%	100%				6002	(13,232)	
3.5 (4.6)	Standard		115%	110%	105%	100%									5606	(12,359)	
2.5 (3.3)	Standard							115%	110%	105%	100%				5065	(11,166)	
3.5 (4.6)	Standard		115%	110%	105%	100%									4669	(10,293)	

Material density, fill factor, and counterweight options are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate Fill Factors greater than 100% ISO rated. Refer to the expected Fill Factor % per Material Type at the top of the table and find a matching Counterweight and Fill Factor along the side for proper bucket sizing.

*Full compliance to ISO 14397-1:2007 Section 1- 6, which requires 2% verification between calculation and testing.

910/914/920 Wheel Loader Specifications

General Purpose Bucket Selection – High Lift

		Material Type		Material Type														Tip Load Full Turn*				
				Peat, Moist	Sugar, Raw Cane Fertilizer, Mixed	Coal Anthracite, Washed Gypsum, Pulverized	Salt, Fine	Shale	Sand, Dry and Loose	Clay and Gravel, Dry	Clay, Natural Bed, Dry Sandstone	Limestone	Clay and Gravel, Crushed	Sand and Clay, Wet 25% Rock, 75% Earth	Gypsum, Crushed Granite, Broken							
		Fill Factor %		110%	105%	105%	110%	110%	105%	110%	105%	105%	110%	105%	105%	110%	105%	105%	105%	kg	(lb)	
		m ³	Counter-weight	kg/m ³	900	975	1050	1125	1200	1275	1350	1425	1500	1575	1650					kg	(lb)	
		yd ³		(lb/yd ³)	(1,517)	(1,643)	(1,770)	(1,896)	(2,023)	(2,149)	(2,275)	(2,402)	(2,528)	(2,655)	(2,781)							
910 High Lift	Pin On	1.4	Aggregate								115%	110%	105%	100%					4503	(9,927)		
			Standard	Not Applicable																		
		1.6	Aggregate						115%	110%	105%	100%								4445	(9,801)	
			Standard	Not Applicable																		
		1.8	Aggregate						115%	110%	105%	100%								4393	(9,685)	
			Standard	Not Applicable																		
	IT	1.3	Aggregate									115%	110%	105%	100%					4240	(9,347)	
			Standard	Not Applicable																		
		1.5	Aggregate						115%	110%	105%	100%								4183	(9,222)	
			Standard	Not Applicable																		
		1.6	Aggregate						115%	110%	105%	100%								4159	(9,169)	
			Standard	Not Applicable																		
914 High Lift	Pin On	1.6	Aggregate							115%	110%	105%	100%						4841	(10,672)		
			Standard	Not Applicable																		
		1.8	Aggregate						115%	110%	105%	100%							4785	(10,549)		
			Standard	Not Applicable																		
		1.9	Aggregate						115%	110%	105%	100%							4760	(10,494)		
			Standard	Not Applicable																		
	IT	1.5	Aggregate								115%	110%	105%	100%						4567	(10,068)	
			Standard	Not Applicable																		
		1.7	Aggregate						115%	110%	105%	100%							4514	(9,951)		
			Standard	Not Applicable																		
		Fusion	1.5	Aggregate						115%	110%	105%	100%							3927	(8,657)	
				Standard	Not Applicable																	
920 High Lift	Pin On	1.8	Aggregate							115%	110%	105%	100%						5444	(12,002)		
			Standard	Not Applicable																		
		1.9	Aggregate						115%	110%	105%	100%							5409	(11,924)		
			Standard	Not Applicable																		
		2.0	Aggregate						115%	110%	105%	100%							5263	(11,603)		
			Standard	Not Applicable																		
	IT	1.7	Aggregate								115%	110%	105%	100%						5143	(11,338)	
			Standard	Not Applicable																		
		1.9	Aggregate						115%	110%	105%	100%							5043	(11,118)		
			Standard	Not Applicable																		
		Fusion	1.7	Aggregate						115%	110%	105%	100%							4791	(10,562)	
				Standard	Not Applicable																	

Material density, fill factor, and counterweight options are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate Fill Factors greater than 100% ISO rated. Refer to the expected Fill Factor % per Material Type at the top of the table and find a matching Counterweight and Fill Factor along the side for proper bucket sizing.

*Full compliance to ISO 14397-1:2007 Section 1- 6, which requires 2% verification between calculation and testing.

910/914/920 Wheel Loader Specifications

Light Material Bucket Selection – High Lift

Material Type															Tip Load Full Turn*				
Fill Factor %																			
	m ³	yd ³	Counter-weight	kg/m ³ (lb/yd ³)	480 (809)	525 (885)	570 (961)	615 (1,037)	660 (1,112)	705 (1,188)	750 (1,264)	795 (1,340)	840 (1,416)	885 (1,492)	930 (1,568)	kg	(lb)		
910 High Lift	Pin On	2.5	Aggregate	115%											4141	(9,129)			
		2.5	Standard	Not Applicable															
		3.0	Aggregate	115%											3994	(8,805)			
		3.0	Standard	Not Applicable															
		3.5	Aggregate	115%	110%	105%	100%											3902	(8,602)
		3.5	Standard	Not Applicable															
	IT	2.5	Aggregate	115%											4827	(10,641)			
		2.5	Standard	Not Applicable															
		3.0	Aggregate	115%											3842	(8,470)			
		3.0	Standard	Not Applicable															
		3.5	Aggregate	115%	110%	105%	100%											3769	(8,309)
		3.5	Standard	Not Applicable															
914 High Lift	Pin On	2.5	Aggregate	115%											4548	(10,026)			
		2.5	Standard	Not Applicable															
		3.0	Aggregate	115%											4389	(9,676)			
		3.0	Standard	Not Applicable															
		3.5	Aggregate	115%	110%	105%	100%											4297	(9,473)
		3.5	Standard	Not Applicable															
	IT	2.5	Aggregate	115%											4268	(9,409)			
		2.5	Standard	Not Applicable															
		3.0	Aggregate	115%											4238	(9,343)			
		3.0	Standard	Not Applicable															
		2.5	Aggregate	115%											4176	(9,206)			
		2.5	Standard	Not Available															
920 High Lift	Pin On	2.5	Aggregate	115%											5165	(11,387)			
		2.5	Standard	Not Applicable															
		3.0	Aggregate	115%											4933	(10,875)			
		3.0	Standard	Not Applicable															
		3.5	Aggregate	115%	110%	105%	100%											4874	(10,745)
		3.5	Standard	Not Applicable															
	IT	2.5	Aggregate	115%											4706	(10,375)			
		2.5	Standard	Not Applicable															
		3.0	Aggregate	115%											4692	(10,344)			
		3.0	Standard	Not Applicable															
		2.5	Aggregate	115%											4467	(9,848)			
		2.5	Standard	Not Applicable															

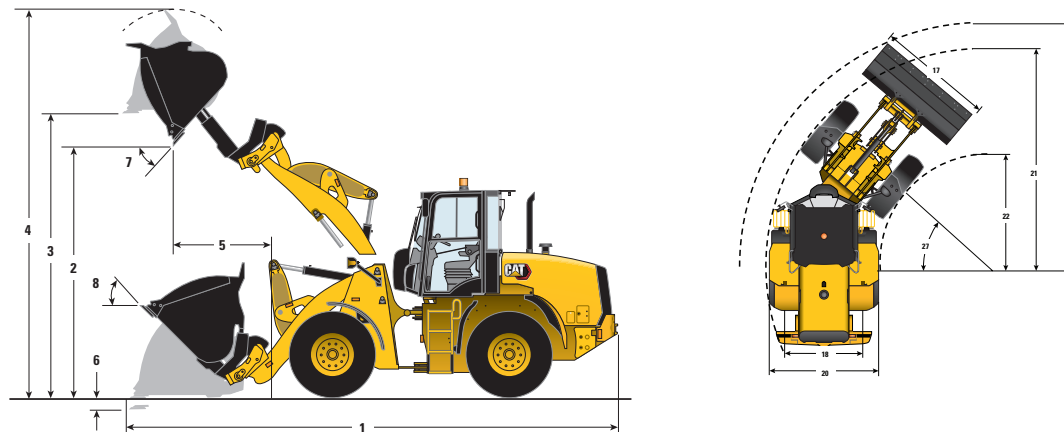
Material density, fill factor, and counterweight options are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate Fill Factors greater than 100% ISO rated. Refer to the expected Fill Factor % per Material Type at the top of the table and find a matching Counterweight and Fill Factor along the side for proper bucket sizing.

*Full compliance to ISO 14397-1:2007 Section 1- 6, which requires 2% verification between calculation and testing.

910/914/920 Wheel Loader Specifications

Dimensions with High Dump Bucket

All dimensions are approximate. Dimensions will vary with bucket and tire choice. Refer to Operating Specifications with Buckets.



		IT		ISO 23727		High Lift	
		914	920	914	920	914	920
Rated Capacity	m ³	2.1	2.5	2.1	2.5	—	—
	yd ³	(2.7)	(3.3)	(2.7)	(3.3)	—	—
Capacity – Rated at 110% Fill Factor	m ³	2.3	2.8	2.3	2.8	—	—
	yd ³	(3.0)	(3.6)	(3.0)	(3.6)	—	—
Bucket Width	mm	2401	2401	2401	2401	—	—
	ft/in	(7'11")	(7'11")	(7'11")	(7'11")	—	—
Nominal Material Density 110% Fill Factor	kg/m ³	922	863	855	819	—	—
	lb/yd ³	(1,558)	(1,479)	(1,884)	(1,404)	—	—
1 Length: Overall	mm	7010	7261	7097	7136	+532	+658
	ft/in	(23'0")	(23'10")	(23'3")	(23'5")	(+1'9")	(+2'2")
2 Dump Clearance: Full Lift Rolled Out	mm	3989	4044	4210	4173	+398	+194
	ft/in	(13'1")	(13'3")	(13'10")	(13'8")	(+1'4")	(+0'8")
3 Clearance: Level Bucket	mm	3385	3502	3564	3538	+359	+406
	ft/in	(11'1")	(11'6")	(11'8")	(11'7")	(+1'2")	(+1'4")
4 Height: Overall	mm	4586	5085	5036	5120	+359	+406
	ft/in	(15'11")	(16'8")	(16'6")	(16'10")	(+1'2")	(+1'4")
5 Reach: Full Lift Rolled Out	mm	1412	1520	1410	1490	+199	+296
	ft/in	(4'8")	(5'0")	(4'8")	(4'11")	(+0'8")	(+1'0")
6 Dig Depth	mm	140	112	138	165	+184	+98
	ft/in	(5.5")	(4.4")	(5.4")	(6.5")	(+7.2")	(+3.9")
7 Maximum Dump Angle	degree	35	37	35	37	-2	+8
8 Rack Angle at Carry	degree	36	39	36	39	+7	+9
Tipping Load – Straight ISO 14397-1*	kg	5148	5750	4844	5528	-583	-370
	lb	(11,346)	(12,673)	(10,675)	(12,182)	(-1,285)	(-816)
Tipping Load – Straight Rigid Tire**	kg	5341	5973	5046	5758	-607	-385
	lb	(11,771)	(13,164)	(11,120)	(12,690)	(-1,338)	(-849)
Tipping Load – Full Turn ISO 14397-1*	kg	4241	4833	3932	4586	-517	-363
	lb	(9,347)	(10,651)	(8,665)	(10,108)	(-1,140)	(-800)
Tipping Load – Full Turn Rigid Tire**	kg	4480	5116	4168	4861	-550	-386
	lb	(9,873)	(11,275)	(9,185)	(10,714)	(-1,213)	(-851)
Breakout Force	kg	4152	5100	3859	4800	-8	-269
	lb	(9,154)	(11,242)	(8,505)	(10,578)	(-18)	(-592)
Operating Weight	kg	9515	10 699	9487	10 737	+300	+380
	lb	(20,976)	(23,587)	(20,908)	(23,665)	(+661)	(+837)

* Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculation and testing.

** Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Dimensions listed are for a machine configured with general purpose IT buckets, bolt-on cutting edges, standard guarding, 80 kg (176 lb) operator, full fluids, and Michelin 15.5 R25 (L2) XTLA tires for 910 and Michelin 17.5 R25 (L2) XTLA tires for 914 and 920.

910/914/920 Wheel Loader Specifications

High Dump Bucket Selection – Standard Lift

		Material Type		Fill Factor %													Tip Load Full Turn*				
				Mulch, Wet	Municipal Solid Waste	Flour, Wheat	Compacted Solid Waste	Barley, Bulk	Asphalt, Crushed	Soy Beans, Bulk	Corn Shelled, Bulk	Glass, Semi Crushed	Bulk Grain	Construction and Demolition	Silage, Packed	Manure/Muck, Wet			Coal Bituminous, Washed	Peat, Moist	Coal Bituminous, Raw
914	IT	2.1	2.1	Counter-weight	kg/m ³	560	620	680	740	800	860	920	980	1040	1100	1160	kg	(lb)			
		(2.7)	(2.7)	(lb/yd ³)	(944)	(1,045)	(1,146)	(1,247)	(1,348)	(1,450)	(1,551)	(1,652)	(1,753)	(1,854)	(1,955)						
914	IT	2.1	2.1	Aggregate								115%	110%	105%	100%		4597	(10,134)			
		2.1	2.1	Standard														4241	(9,349)		
		2.5	2.5	Aggregate					115%	110%	105%	100%						4466	(9,846)		
		2.5	2.5	Standard					115%	110%	105%	100%						4110	(9,061)		
	ISO	2.1	2.1	Aggregate								115%	110%	105%	100%			4298	(9,475)		
		2.1	2.1	Standard														3932	(8,668)		
		2.5	2.5	Aggregate					115%	110%	105%	100%						4192	(9,241)		
		2.5	2.5	Standard					115%	110%	105%	100%						3826	(8,435)		
	920	IT	2.1	2.1	Aggregate											115%	110%	105%	5332	(11,755)	
			2.1	2.1	Standard											115%	110%	105%	100%	4944	(10,899)
			2.5	2.5	Aggregate								115%	110%	105%	100%			5221	(11,510)	
			2.5	2.5	Standard								115%	110%	105%	100%			4833	(10,655)	
ISO		2.1	2.1	Aggregate											115%	110%	105%	100%	5085	(11,210)	
		2.1	2.1	Standard											115%	110%	105%	100%	4697	(10,355)	
		2.5	2.5	Aggregate								115%	110%	105%	100%			4974	(10,965)		
		2.5	2.5	Standard								115%	110%	105%	100%			4586	(10,110)		

Material density, fill factor, and counterweight options are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate Fill Factors greater than 100% ISO rated. Refer to the expected Fill Factor % per Material Type at the top of the table and find a matching Counterweight and Fill Factor along the side for proper bucket sizing.

*Full compliance to ISO 14397-1:2007 Section 1- 6, which requires 2% verification between calculation and testing.

910/914/920 Wheel Loader Specifications

High Dump Bucket Selection – High Lift

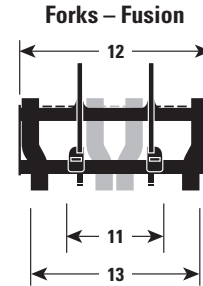
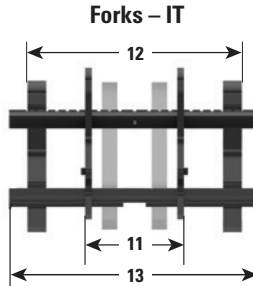
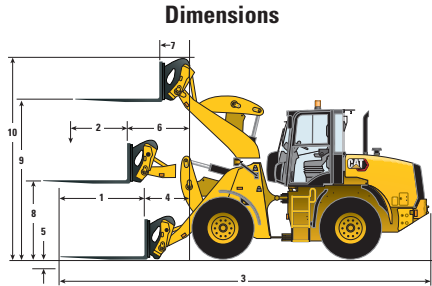
		Material Type		Fill Factor %														Tip Load Full Turn*	
				Brewers Grain	Woodchips, Dry	Mulch, Wet	Municipal Solid Waste Flour, Wheat	Compacted Solid Waste Barley, Bulk	Asphalt, Crushed Soy Beans, Bulk	Corn Shelled, Bulk	Glass, Semi Crushed Bulk Grain	Construction and Demolition Silage, Packed Manure/Muck, Wet	Coal Bituminous, Washed Peat, Moist	Coal Bituminous, Raw	Sugar, Raw Cane	Fertilizer, Mixed			
914 High Lift	IT	m ³	Counter-weight	460 (775)	520 (876)	580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	kg	(lb)			
			2.1 (2.7)	Aggregate								115%	110%	105%	100%			3724 (8,210)	
	2.5 (3.3)	Standard	Not Available																
	2.1 (2.7)	Aggregate					115%	110%	105%	100%						3593 (7,921)			
	2.5 (3.3)	Standard	Not Available																
914 High Lift	ISO	m ³	Counter-weight	460 (775)	520 (876)	580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	kg	(lb)			
		2.1 (2.7)	Aggregate								115%	110%	105%	100%			3415 (7,529)		
	2.5 (3.3)	Standard	Not Available																
	2.1 (2.7)	Aggregate					115%	110%	105%	100%						3309 (7,295)			
	2.5 (3.3)	Standard	Not Available																
920 High Lift	IT	m ³	Counter-weight	460 (775)	520 (876)	580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	kg	(lb)			
		2.1 (2.7)	Aggregate									115%	110%	105%	100%		4581 (10,099)		
	2.5 (3.3)	Standard	Not Available																
	2.1 (2.7)	Aggregate							115%	110%	105%	100%				4470 (9,854)			
	2.5 (3.3)	Standard	Not Available																
920 High Lift	ISO	m ³	Counter-weight	460 (775)	520 (876)	580 (978)	640 (1,079)	700 (1,180)	760 (1,281)	820 (1,382)	880 (1,483)	940 (1,584)	1000 (1,686)	1060 (1,787)	kg	(lb)			
		2.1 (2.7)	Aggregate								115%	110%	105%	100%			4334 (9,555)		
	2.5 (3.3)	Standard	Not Available							115%	110%	105%	100%			4223 (9,310)			
	2.1 (2.7)	Aggregate																	
	2.5 (3.3)	Standard	Not Available																

Material density, fill factor, and counterweight options are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate Fill Factors greater than 100% ISO rated. Refer to the expected Fill Factor % per Material Type at the top of the table and find a matching Counterweight and Fill Factor along the side for proper bucket sizing.

*Full compliance to ISO 14397-1:2007 Section 1- 6, which requires 2% verification between calculation and testing.

910/914/920 Wheel Loader Specifications

Operating Specifications with Forks



	IT Coupler – Pallet Carriage			Fusion Coupler – Pallet Carriage		
	910	914	920	914	920	920 20.5" Tires
1 Fork Tine length	1200 mm (3'11")	1200 mm (3'11")	1200 mm (3'11")	1201 mm (3'11")	1201 mm (3'11")	1201 mm (3'11")
2 Load Center	600 mm (1'11")	600 mm (1'11")	600 mm (1'11")	500 mm (1'7")	500 mm (1'7")	500 mm (1'7")
3 Length: Overall	6933 mm (22'8")	6942 mm (22'9")	7146 mm (23'5")	7081 mm (23'2")	7278 mm (23'10")	7278 mm (23'10")
Length: Overall (high lift)	7474 mm (24'6")	7495 mm (24'7")	7607 mm (24'11")	7605 mm (24'11")	7717 mm (25'3")	7717 mm (25'3")
4 Reach: Ground	863 mm (2'9")	807 mm (2'7")	915 mm (3' 0")	947 mm (3'1")	1046 mm (3'5")	976 mm (3'1")
5 Height: Minimum (bottom of tine)	78 mm (3.1")	51 mm (2")	23 mm (0.9")	177 mm (7")	149 mm (5.9")	79 mm 2.9"
6 Reach: Level Arm	1525 mm (5'0")	1494 mm (4'10")	1592 mm (5'2")	1516 mm (4'11")	1612 mm (5'3")	1542 mm (5'0")
Reach: Level Arm (high lift)	1940 mm (6'4")	1909 mm (6'3")	1945 mm (6'4")	1931 mm (6'4")	1964 mm (6'5")	1894 mm (6'2")
7 Reach: Full Lift	673 mm (2'2")	643 mm (2'1")	695 mm (2'3")	664 mm (2'2")	715 mm (2'4")	645 mm (2'1")
8 Height: Level Arm (top of tine)	1640 mm (5'4")	1688 mm (5'6")	1698 mm (5'6")	1562 mm (5'1")	1572 mm (5'1")	1642 mm (5'4")
9 Height: Full Lift (top of tine)	3457 mm (11'4")	3485 mm (11'5")	3601 mm (11'9")	3358 mm (11'0")	3475 mm (11' 4")	3545 mm (11'8")
Height: Full Lift (top of tine, high lift)	3813 mm (12'6")	3838 mm (12'7")	3889 mm (12'9")	3712 mm (12'2")	3763 mm (12'4")	3833 mm (12'8")
10 Height: Overall	4401 mm (14'5")	4429 mm (14'6")	4545 mm (14'10")	4274 mm (14'0")	4390 mm (14'4")	4460 mm (14'8")
11 Minimum Fork Spacing	300 mm (0'11")	300 mm (0'11")	300 mm (0'11")	300 mm (0'11")	300 mm (0'11")	300 mm (0'11")
12 Carriage Width	1550 mm (5'1")	1550 mm (5'1")	1550 mm (5'1")	1550 mm (5'1")	1550 mm (5'1")	1550 mm (5'1")
13 Maximum Fork Spacing	1526 mm (5'0")	1526 mm (5'0")	1526 mm (5'0")	1526 mm (5'0")	1526 mm (5'0")	1526 mm (5'0")
*Tipping Load – Straight, ISO 14397-1	4204 kg (9,264 lb)	4660 kg (10,270 lb)	5323 kg (11,732 lb)	4653 kg (10,256 lb)	5379 kg (11,855 lb)	5757 kg (12,687 lb)
*Tipping Load – Full Turn, ISO 14397-1	3526 kg (7,770 lb)	3909 kg (8,615 lb)	4540 kg (10,005 lb)	3892 kg (8,576 lb)	4578 kg (10,090 lb)	4908 kg (10,816 lb)
Operating Weight	7987 kg (17,603 lb)	8566 kg (18,880 lb)	9671 kg (21,313 lb)	8587 kg (18,926 lb)	9750 kg (21,489 lb)	10 366 kg (22,844 lb)
Rated Load (% of full turn tip)						
**50% of Tip: SAE J1197	1763 kg (3,885 lb)	1955 kg (4,307 lb)	2270 kg (5,002 lb)	1946 kg (4,288 lb)	2289 kg (5,045 lb)	2454 kg (5,408 lb)
**60% of Tip: Rough Terrain EN474-3	2115 kg (4,662 lb)	2345 kg (5,169 lb)	2724 kg (6,003 lb)	2335 kg (5,146 lb)	2747 kg (6,054 lb)	2945 kg (6,489 lb)
**80% of tip: Firm and Level EN474-3	2821 kg (6,216 lb)	3127 kg (6,892 lb)	3632 kg (8,004 lb)	3113 kg (6,861 lb)	3663 kg (8,072 lb)	3927 kg (8,652 lb)
Rated Load (% of full turn tip) – High Lift:						
**50% of Tip: SAE J1197	1588 kg (3,499 lb)	1746 kg (3,847 lb)	2075 kg (4,572 lb)	1743 kg (3,840 lb)	2098 kg (4,623 lb)	2263 kg (4,986 lb)
**60% of Tip: Rough Terrain EN474-3	1905 kg (4,199 lb)	2095 kg (4,616 lb)	2490 kg (5,487 lb)	2091 kg (4,609 lb)	2517 kg (5,547 lb)	2715 kg (5,983 lb)
**80% of Tip: Firm and Level EN474-3	2540 kg (5,600 lb)	2793 kg (6,155 lb)	3320 kg (7,316 lb)	2788 kg (6,145 lb)	3356 kg (7,397 lb)	3620 kg (7,977 lb)

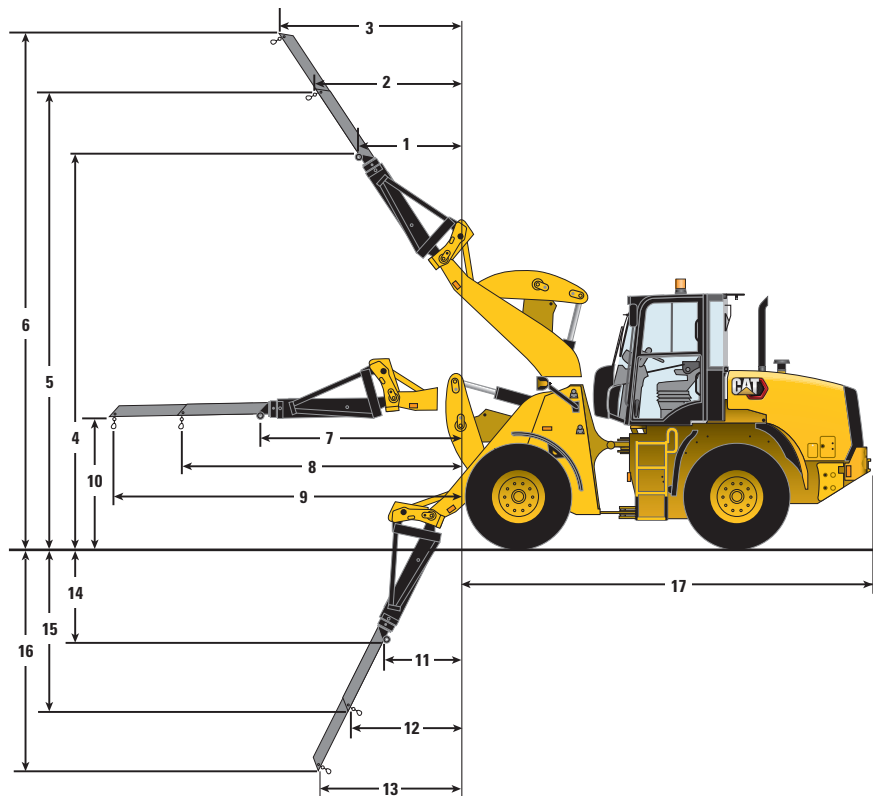
*Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Full compliance to EN474-3 and SAE J1197.

Dimensions listed are for a machine configured with coupler, standard guarding, 80 kg (176 lb) operator, full fluids, and Michelin 15.5 R25 (L2) XTLA tires for 910 and Michelin 17.5 R25 (L2) XTLA tires for 914 and 920, except where stated.

910/914/920 Wheel Loader Specifications

Operating Specifications with IT Material Handling Arm



IT Material Handling Arm – Standard Lift

	910	914	920		910	914	920
1	1246 mm (4'1")	1213 mm (3'11")	1336 mm (4'4")	10	1784 mm (5'10")	1832 mm (6'0")	1842 mm (6'0")
2	1705 mm (5'7")	1673 mm (5'5")	1828 mm (5'11")	11	1415 mm (4'7")	1383 mm (4'6")	1611 mm (5'3")
3	2165 mm (7'1")	2133 mm (6'11")	2321 mm (7'7")	12	1962 mm (6'5")	1930 mm (6'3")	2198 mm (7'2")
4	5495 mm (18'0")	5510 mm (18'0")	5600 mm (18'4")	13	2510 mm (8'2")	2478 mm (8'1")	2787 mm (9'1")
5	6382 mm (20'11")	6390 mm (20'11")	6469 mm (21'2")	14	1649 mm (5'4")	1637 mm (5'4")	1538 mm (5'0")
6	7270 mm (23'10")	7271 mm (23'10")	7339 mm (24'0")	15	2485 mm (8'1")	2479 mm (8'1")	2345 mm (7'8")
7	3161 mm (10'4")	3129 mm (10'3")	3229 mm (10'7")	16	3321 mm (10'10")	3323 mm (10'10")	3154 mm (10'4")
8	4160 mm (13'7")	4128 mm (13'6")	4227 mm (13'10")	17	4870 mm (15'11")	4934 mm (16'2")	5031 mm (16'6")
9	5160 mm (16'11")	5128 mm (16'9")	5227 mm (17'1")				

	910	914	920
Operating weight	7953 kg (17,528 lb)	8473 kg (18,675 lb)	9637 kg (21,239 lb)
Rated load* (50% of full turn tip** SAE J1197)			
Minimum extension (7)	1267 kg (2,792 lb)	1393 kg (3,071 lb)	1652 kg (3,641 lb)
Middle extension (8)	992 kg (2,186 lb)	1093 kg (2,408 lb)	1304 kg (2,873 lb)
Maximum extension (9)	817 kg (1,799 lb)	901 kg (1,985 lb)	1079 kg (2,377 lb)

*Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Full compliance to EN474-3 and SAE J1197.

Dimensions listed are for a machine configured with IT work tool, 80 kg (176 lb) operator, and Michelin 15.5 R25 (L2) XTLA tires for 910 and 17.5 R25 (L2) XTLA tires for 914 and 920.

910/914/920 Wheel Loader Supplemental Specifications

Optional Equipment

	910				914				920			
	Operating Weight		Tipping Load – Full Turn*		Operating Weight		Tipping Load – Full Turn*		Operating Weight		Tipping Load – Full Turn*	
Change with options removed:	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Ride Control	-37	-82	-36	-79	-37	-82	-36	-79	-37	-82	-36	-79
Air Conditioning	-96	-212	-94	-207	-96	-212	-94	-207	-96	-212	-95	-209
Secondary Steering	-32	-71	-30	-66	-32	-71	-30	-66	-32	-71	-31	-68
Cab to Canopy	-97	-214	-63	-139	-97	-214	-61	-134	-97	-214	-69	-152
Change with options added:	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Aggregate Counterweight	N/A	N/A	N/A	N/A	+280	+616	+409	+900	+280	+616	+438	+964
3 Valve to 4 Valve	+47	+103	-46	-101	+47	+103	-46	-101	+47	+103	-46	-101
Cold weather/arctic package	+25	+55	+37	+81	+25	+55	+37	+81	+25	+55	+81	+178
Fender Deflectors	+48	+106	+16	+35	+48	+106	+16	+35	+48	+106	+16	+35
Guard rear door	N/A	N/A	N/A	N/A	+60	+132	+97	+213	+60	+132	+97	+213
Guard Crankcase	+12	+26	+12	+26	+12	+26	+12	+26	+12	+26	+12	+26
Guard Driveshaft	+33	+73	+10	+22	+33	+73	+10	+22	+33	+73	+10	+22
Guard Hitch	+29	+64	+18	+40	+29	+64	+18	+40	+29	+64	+18	+40
Guard Powertrain	+43	+95	+37	+81	+43	+95	+37	+81	+43	+95	+37	+81

*Compliance to ISO 14397-1 (2007) Sections 1 thru 5, which requires 2% verification between calculation and testing.

Tire Options

Change with tire option as compared to standard Michelin XTLA tire (15.5" 910, 17.5" 914/920)	910				914				920					
	Goodyear 17.5-25 L2 SGL		Michelin 17.5R25 L2 XTLA		Nokian 17.5R25 L2 Snow		Michelin 17.5R25 L3 XHA2		Brawler 17.5X25 Smooth		Michelin 20.5R25 L3 XHA2		Goodyear 20.5-25 L2 SGL	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Vertical Heights	+31	+1	+22	+1	+18	+1	+2	+1	+95	+4	+70	+3	+64	+3
Reach: bucket at 45°	-41	-2	-33	-1	-7	0	+1	0	-1.5	0	-75	-3	-82	-3
Width: Over tires	+60	+2	+62	+2	-13	-1	-7	0	-13	-1	+70	+3	+95	+4
Turning radius: Outside of tires	-16	+1	-15	+1	-46	+2	-49	+2	-46	+2	-141	+4	-128	+4
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Tipping load – straight*	-10	-22	+50	+110	+390	+858	+77	+169	+1146	+2,521	+378	+832	+223	+492
Tipping load – full turn**	-8	-18	+44	+97	+366	+805	+72	+158	+1002	+2,204	+330	+726	+195	+430
Operating weight	-12	-26	+80	+176	+244	+537	+48	+106	+1876	+4,127	+616	+1,355	+372	+818

*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

**Compliance to ISO 14397-1 (2007) Sections 1 thru 5.

910/914/920 Wheel Loaders Specifications

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details.

POWERTRAIN	910	914	920
Cat C3.6 Diesel Engine, Meeting EU Stage V / U.S. EPA Tier 4 Final	●	●	●
Caterpillar Nox Reduction System	●	●	●
Electric fuel pump with 4 micron filtration	●	●	●
Automatic reversing fan	⦿	⦿	⦿
Hydrostatic transmission	●	●	●
Lube for life universal joints	●	●	●
Forward – Neutral – Reverse on joystick	●	●	●
100% locking differentials with on the activation	●	●	●
Air cleaner, radial seal, dual filters	●	●	●
Hydraulic On Demand Cooling Fan	●	●	●
Integrated Cyclone pre-cleaner	●	●	●

HYDRAULICS	910	914	920
High Flow	○	⦿	⦿
Two valve, single lever joystick	●	●	●
Three Valve, single lever joystick	⦿	⦿	⦿
Four Valve, single lever with dual auxiliary control	⦿	⦿	⦿
Diagnostic pressure taps	●	●	●
S-O-S port, hydraulic oil	●	●	●
Gear Pump	●	○	○
Variable displacement piston pump	○	●	●
Screw to connect auxiliary lines	⦿	⦿	⦿
Push to Connect auxiliary lines	⦿	⦿	⦿

REGIONAL STANDARDS (AS REQUIRED)	910	914	920
Back-up alarm	●	●	●
Chocks, bucket tooth or edge	●	●	●
Decals, roading speed	●	●	●
Beacon	●	●	●
Reflectors, roading	●	●	●
Front Camera (as regional required)	⦿	⦿	⦿
License plate holder (as regional required)	●	●	●

● – standard ⦿ – optional ○ – not available

ELECTRICAL	910	914	920
150 amp sealed alternator	●	●	●
Single 1000 CCA maintenance free battery	●	●	●
Heavy duty battery package	⦿	⦿	⦿
Battery disconnect switch	●	●	●
Engine coolant heater (120V or 240V)	⦿	⦿	⦿
Halogen roading and work lights	●	●	●
LED Roading and work lights	⦿	⦿	⦿
Work tool wiring harness	⦿	⦿	⦿
Product Link	●	●	●
Engine bay lighting	⦿	⦿	⦿

CHASSIS	910	914	920
Lockable toolbox	⦿	⦿	⦿
Front fender and rear platform	●	●	●
Front and rear fenders	●	●	●
Front and rear mud flaps	⦿	⦿	⦿
Lockable engine enclosure	●	●	●
Recovery hitch	●	●	●
Vandalism protection – locked service points	●	●	●
Crankcase Guard	⦿	⦿	⦿
Driveshaft Guard	⦿	⦿	⦿
Front lights Guard	⦿	⦿	⦿
Hitch Guard	⦿	⦿	⦿
Powertrain Guard	⦿	⦿	⦿
Rearview Camera with cab	●	●	●
Rear Enclosure Guard	○	⦿	⦿
Rear Light Guards	⦿	⦿	⦿

FLUIDS	910	914	920
Extended life coolant antifreeze, protected to –36° C (–33° F)	●	●	●
Cold weather fuel	⦿	⦿	⦿
Cat Advanced HYDO™ 10 hydraulic oil	●	●	●
Biodegradable hydraulic oil	⦿	⦿	⦿

● – standard ⦿ – optional ○ – not available

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details.

OPERATOR ENVIRONMENT	910	914	920
ROPS/FOPS protection:			
– Canopy	●	●	●
– Cab	◐	◐	◐
Implement lockout	●	●	●
Electro-hydraulic implement controls	●	●	●
Gauges:			
– Engine coolant temperature	●	●	●
– Hydraulic oil temperature	●	●	●
– Fuel level	●	●	●
– Speedometer	●	●	●
– DEF level indicator	●	●	●
Warning system indicators:			
– Emission malfunction	●	●	●
– Air filter restriction	●	●	●
– Brake charge pressure low	●	●	●
– Engine malfunction	●	●	●
– Park brake applied	●	●	●
– Electrical system voltage flow	●	●	●
– Hydraulic oil filter bypass	●	●	●
– Action indicator	●	●	●
Seat, Mechanical, Vinyl	●	●	●
Seat, Air Ride, Deluxe	◐	◐	◐
Seat, Air Ride, Deluxe Plus	◐	◐	◐
Heater/defroster	●	●	●
Tinted front glass, laminated	●	●	●
Adjustable steering column	●	●	●
Rear window defrost	●	●	●
Lockable storage box	●	●	●
Internal 12V power source and USB	●	●	●
External 12V power source	●	●	●
Heater and air conditioner	◐	◐	◐
● – standard ◐ – optional ○ – not available			

OPERATOR ENVIRONMENT	910	914	920
Key Pad adjustment:			
– Adjustable Rimpull	●	●	●
– Ride Control	◐	◐	◐
– Implement Modulation	●	●	●
– Hystat Aggressiveness	●	●	●
– Fork/Bucket Selection	◐	◐	●
– Automatic Loader lift and bucket kickouts adjustable in cab	◐	◐	●
Cat radio	◐	◐	◐
Rear blind	◐	◐	◐
Security system	◐	◐	◐
Throttle Lock and Adjust	●	●	●
Retractable, hi-vis seat belt 75 mm (3")	◐	◐	◐
LOADER	910	914	920
Parallel Lift Optimized Z-Bar Linkage	●	●	●
High Lift	◐	◐	◐
Cylinder snubbing	◐	◐	●
Pin On, Integrated Tool Carrier or ISO interface	◐	◐	◐
Fusion Coupler	○	◐	◐
● – standard ◐ – optional ○ – not available			

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com

AEHQ8315-01
Build Number: 14A

© 2021 Caterpillar. All Rights Reserved.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.
www.cat.com www.caterpillar.com

