910M, 914M, 918M

Compact Wheel Loaders



	910M	914M	918M
Engine Model*	Cat® C4.4 ACERT™	Cat C4.4 ACERT	Cat C4.4 ACERT
Maximum Rated Gross Power:			
ISO 14396	74 kW (100 hp)	74 kW (100 hp)	86 kW (115 hp)
ISO 14396 (DIN)	74 kW (101 hp)	74 kW (101 hp)	86 kW (117 hp)
Bucket Capacity	1.3-1.9 m^3 (1.7-2.5 yd^3)	1.3-1.9 m^3 (1.7-2.5 yd^3)	1.3-1.9 m^3 (1.7-2.5 yd^3)
Full Turn Tip Load	5099 kg (11,237 lb)	5219 kg (11,503 lb)	5845 kg (12,883 lb)
Operating Weight	8257 kg (18,199 lb)	8720 kg (19,219 lb)	9489 kg (20,914 lb)

*Engine meets U.S. EPA Tier 4 Final/EU Stage IV emission standards.

Making Your Choice Easy

Efficiently Powerful
Experience hybrid like fuel efficiency with an intelligent hydrostatic power train and industry leading fuel savings through a lower maximum engine speed. Power when you need it with Power-on-Demand technology that increases power when needed for improved speed up a grade.

Work Made Easy
Move more with Caterpillar's patented quick loading Performance Series buckets and Optimized Z-bar linkage. Multi-function work has never been so easy, with dedicated pumps for each system and a flow sharing implement valve. Simultaneously lift, steer and drive without compromise.

Enjoy All Day Comfort
Have a seat in the M Series Wheel Loader and enjoy excellent all around visibility, whisper quiet sound levels, and low-effort joystick controls while riding on a fully adjustable seat suspension.

Customize Your Experience
Meet your application requirements and individual preferences with Caterpillar's industry first adjustable power train and implement response settings. Fine tune machine performance with adjustments at your fingertips through the soft touch button keypad.

Configured for Success
A complete range of optional equipment gives you the versatility to configure an M Series Wheel Loader to be successful in your business.



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The Cat 910M, 914M and 918M Wheel Loaders set the standard for productivity, fuel efficiency and operator comfort. The improved optimized Z-bar loader linkage delivers the quick loading performance of a traditional Z-bar with the parallelism and load handling capability of a toolcarrier. A high torque, lower speed Cat C4.4 ACERT engine works in concert with an intelligent hystat power train to deliver fuel efficiency as standard. Meets Tier 4 Final and Stage IV emission standards with a diesel oxidation catalyst designed to manage itself so you can concentrate on your work. Experience the new industry benchmark.



Efficiently Powerful

Experience hybrid like fuel efficiency with more power when you need it.

Intelligent Power Management

The Caterpillar exclusive Intelligent Power Management system has been further enhanced to monitor operator input and power availability to keep the machine working at peak efficiency and provide the operator with greater customization to suit their application.

Maximize Fuel Efficiency

Eco Mode allows you to choose between maximum fuel efficiency and boosted hydraulic speed.



Eco Mode

- Enabled at the push of a button (Eco).
- Saves up to 5% fuel consumption compared to Standard Mode. Biggest gains seen during load and carry, snow removal and roading applications.
- Intelligent Hystat maintains maximum ground speed capability.

Standard Mode

- Boosts engine speed by over 20%.
- Increases hydraulic cycle times and productivity.
- Recommended when working on grades or in applications requiring hydro mechanical work tools.

Four Cylinders of Efficient Power

The Cat C4.4 ACERT engine provides cleaner, quieter operation while delivering superior performance and durability through a high torque, lower speed design. The engine meets Tier 4 Final and Stage IV emission requirements with a clean emissions module that is designed to manage itself so you can concentrate on your work.

- **No downtime required** with a self-managing aftertreatment system that keeps you on the job.
- **Extended fluid fill intervals** with minimal use of Diesel Exhaust Fluid (DEF) also known as Adblue with up to six fuel tank fills per DEF fill.
- **Configurable auto idle shut down** based on time and ambient temperature to further reduce fuel burn and keep operating costs low.





Power to the Ground

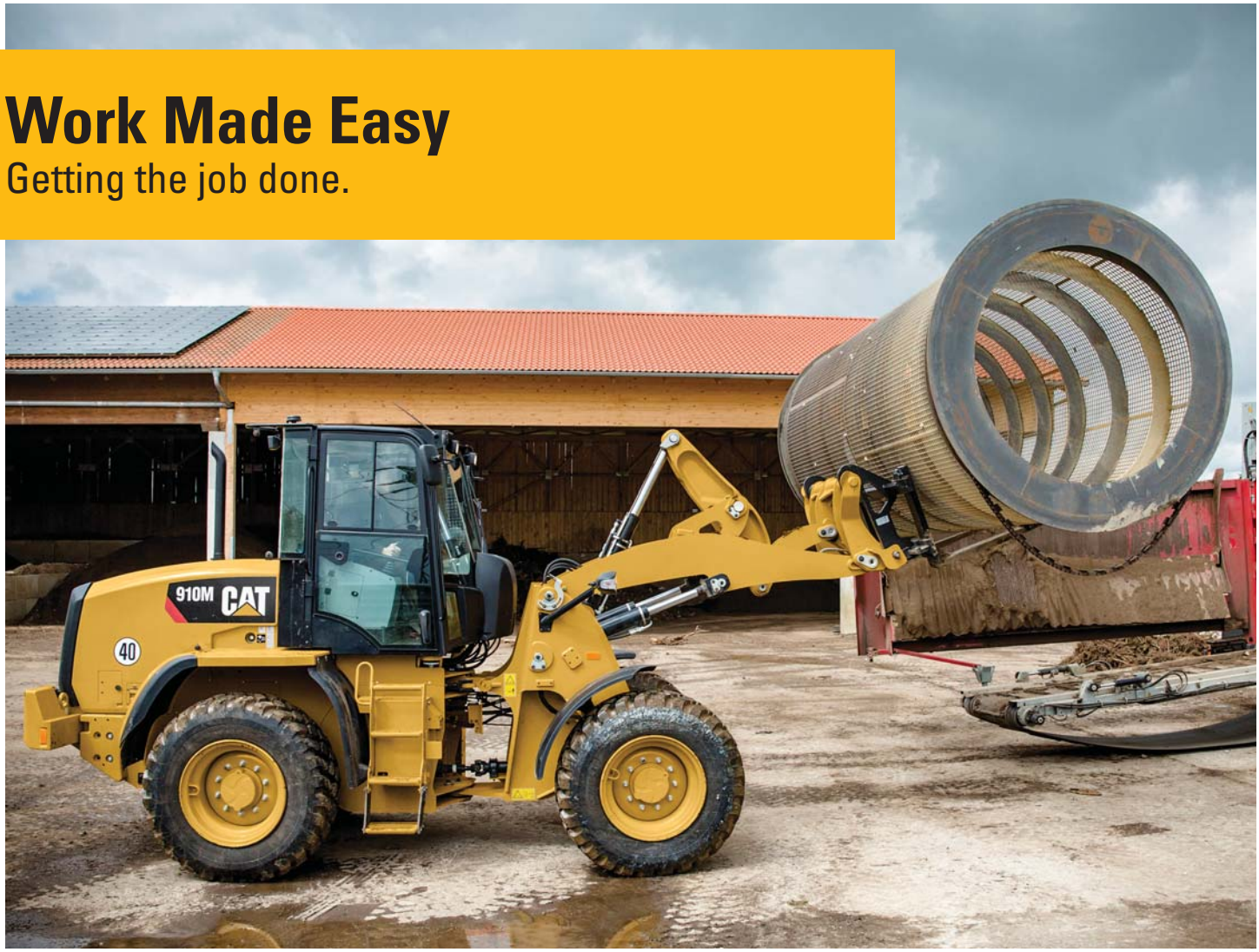
Lock up and go with fully locking front and rear differential axles that can be engaged on the move at full torque with the pull of a trigger on the multifunction joystick to keep you climbing.

Independent service brakes on front and rear axles provide robust stopping performance while a mechanical park brake allows you to safely secure the machine with ease.



Work Made Easy

Getting the job done.





Optimized Z-bar Linkage

The Caterpillar patented optimized Z-bar linkage combines the digging efficiency of a traditional Z-bar with integrated toolcarrier capabilities for great performance and versatility.

- **Parallelism** functionality built into linkage geometry gives truly predictable performance while high tilt forces throughout the working range help you safely and confidently handle loads with precise control.
- **Visibility** to bucket corners and fork tips at ground level remain excellent while sight lines at full lift are maximized.
- **Lift higher and reach further** with optional High Lift linkage available on the 910M and 914M.

Quick Loading Performance Series Buckets

Performance Series Buckets deliver up to 10% higher fill factors and better material retention for significant productivity and fuel efficiency improvements. The buckets feature a longer floor to take a bigger bite of the pile, an open throat to heap higher and curved side bars to help with material retention.





Smooth and Predictable Multi-Function Performance

M Series machines feature an electro-hydraulic control system that is governed by the Intelligent Power Management system for peak efficiency. The load-sensing, variable flow system senses work demand and adjusts flow and pressure to match the operators request.

- **Multi-Function without compromise** through dedicated hydraulic systems featuring one pump for the Intelligent Hydrostatic drive, a second pump for the implements, and a third pump for the steering system. Drive, Lift and Steer simultaneously with smooth predictable control. The M Series simply does what you ask it to.
- **Programmable in-cab kick-outs** on the 918M are easy to set on the go for tilt and lift. This feature is ideal for applications where the work cycle is repeatable allowing you to quickly return to programed set points.
- **Effortless hydro-mechanical work tool operation** with creep control, throttle lock, and continuous flow. This allows the operator to lock in ground speed, engine speed, and auxiliary flow and focus only on steering the machine.



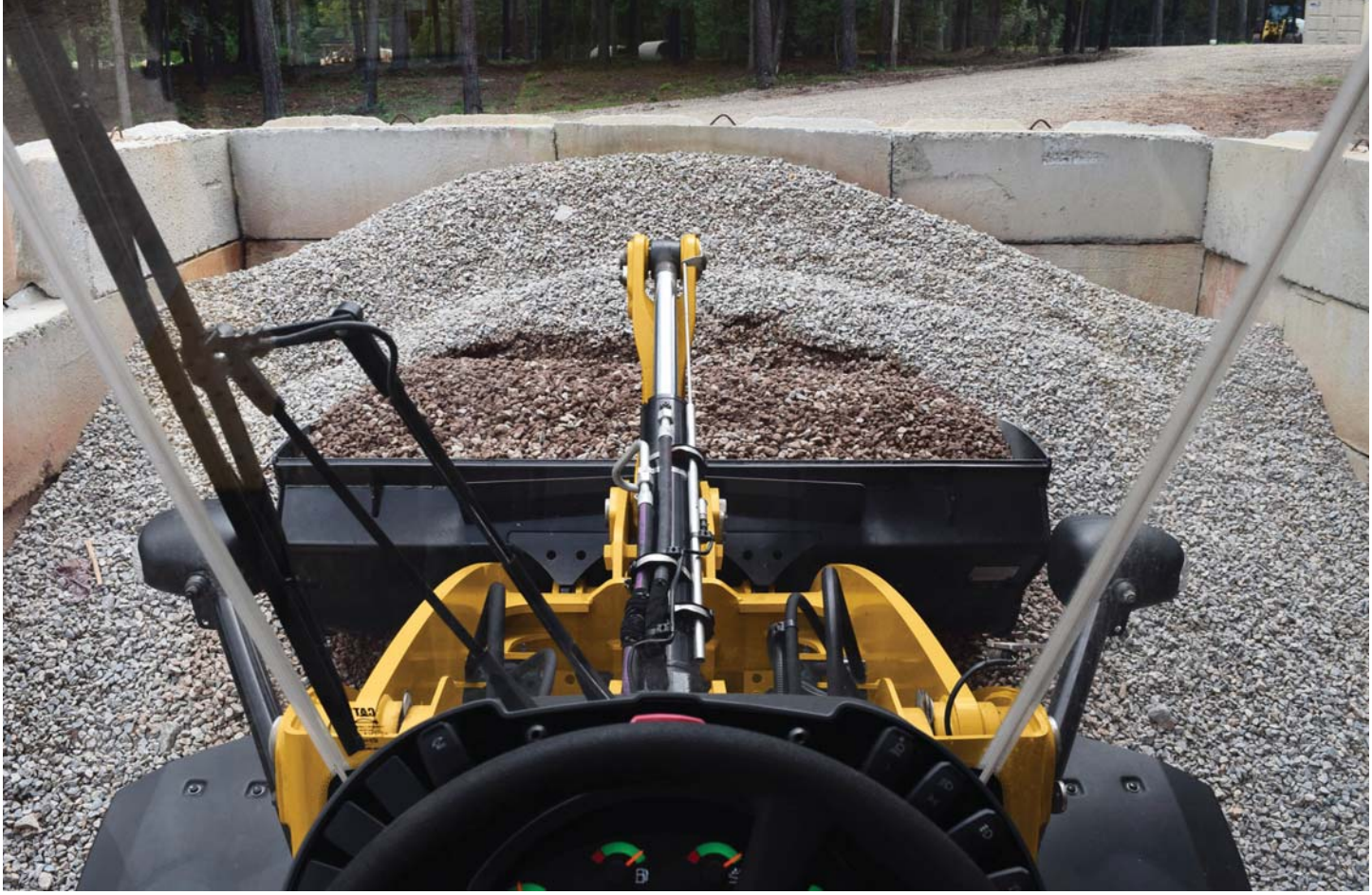
Enjoy All Day Comfort

Best seat on your job site.



Have a Seat and Experience:

- **Electro-hydraulic controls** featuring a low effort joystick for lift and tilt functions along with integrated Forward/Neutral/Reverse switch, differential lock trigger and optional third and fourth auxiliary functions.
- **Superior all around visibility** with a pillarless front windshield, internal and external mirrors, clean hydraulic lines routing, as well as in-line engine mounting for exceptional rear visibility.
- **Climate controlled cab** with heated rear glass and multiple air vents for a quick defrost.
- **Fully adjustable controls** including steering column, arm rest and seat suspension.
- **Information at a glance** with large LCD display on front console.
- **An extra eye on the job site** with optional rearview camera capability.
- **A heated seat** option for added comfort in cold weather climates.





Enjoy Coming to Work with:

- **A spacious, safe, quiet operator environment** featuring ergonomic controls and optional radio with an MP3 and USB port.
- **Quickly customizable machine operation** with the optional eight button keypad to allow real time adjustments to machine features.
- **Comfortable soft stops at cylinder end stroke** conditions and programmed kickout points with Caterpillar's exclusive electro-hydraulic cylinder snubbing*.
- **An even smoother ride** with optional Ride Control when working unloaded and loaded with excellent material retention.
- **Early starts and late finishes** are made easier with optional LED lighting package.
- **Dual door access** allowing for easy entry in tight working conditions.

*Cylinder snubbing on 918M only.





Customizable Hydraulic Response

Easily customize the hydraulic performance through the keypad to optimize your efficiency.

- **Operator can tune the machine** for slower operation to do fine grading or faster operation such as high productivity agricultural applications.
- **Fully adjustable ride control** activation speed (through Electronic Technician – ET).
- **Control auxiliary work tool operation** with proportional 3rd and 4th function auxiliary flows via thumb rollers.

Customize Your Experience

Make it yours.

Work as one with your machine by easily adjusting the power train and hydraulics to meet your personal preferences or application requirements.



Flexible Power Train

A smooth, step-less electronically controlled hydrostatic transmission provides adjustable power to the ground with excellent groundspeed control and customizable feel.

- **Select your directional shift response** based on application and operator preference. This setting adjusts the rollout characteristics when shifting from Forward, Neutral, and Reverse.
- **Reduce tire wear** using rimpull control which enables you to match available tractive power to underfoot conditions.
- **Fine tune ground speed** when using work tools such as brooms, snow blowers and brush cutters with Creeper Control.

Machine Coded Start

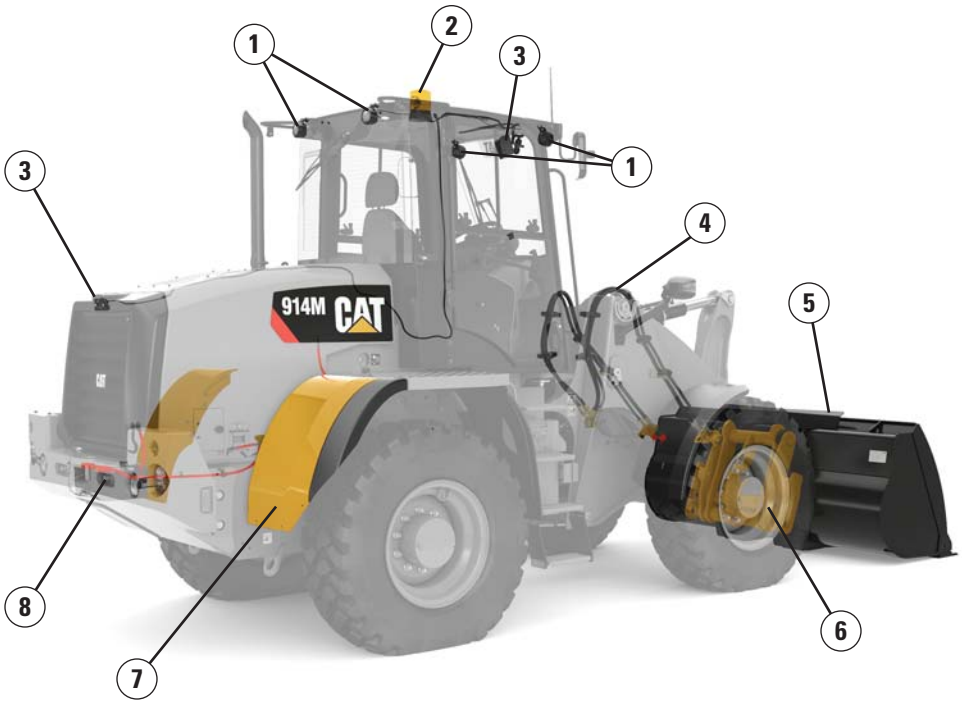
- The M Series Wheel Loaders offer an additional level of security with coded start option. This allows the owner to set up multiple four or six digit security codes that enable the machine to start.

Configured for Success

Ready to work for you.

The Way You Want It

A variety of options are available on the Cat M Series Wheel Loaders to suit your specific application needs.



Other Options:

1) *Auxiliary lights: LED or Halogen*
2) *Beacon*
3) *Rearview camera with display**
4) *Auxiliary hydraulics: 3rd and 4th function*
5) *Front attachment*
6) *Coupler: IT and ISO*
7) *Fenders*
8) *Battery: standard or heavy duty*

**Standard equipment in Europe.*

Front Attachment Options:

1) *Straight Snow Push*
2) *Snow Plow*
3) *Material Handling Arm*
4) *Flat Floor Bucket*
5) *Angle Broom*

…and many, many more!

1



2



3



4



5



Service

Schedule your downtime to maximize your up time.

Get up and running quickly with ground level, daily service access. Three large service doors can be opened and closed in any order to give full access to filters and service points. Extended service intervals on hydraulic and power train filters reduce service time and maximize uptime. Additional service features include:



- **Product Link™** with subscription to VisionLink® to monitor your machine remotely.
- **Quick fuel filter service** with Caterpillar's exclusive electric fuel priming pump.
- **Extended cleanouts** with single plane cooling system and wide spaced eight fins per inch coolers as standard.
- **Easy battery terminal access** for jump starts.
- **Eco drain valve** avoids costly fluid spills when servicing the machine.

Customer Support

Unmatched service makes the difference.

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.

Maximize your machine uptime with unsurpassed worldwide parts availability, trained technicians and customer support agreements.

Let us earn your business. Experience an M Series Wheel Loader and join the Caterpillar family.



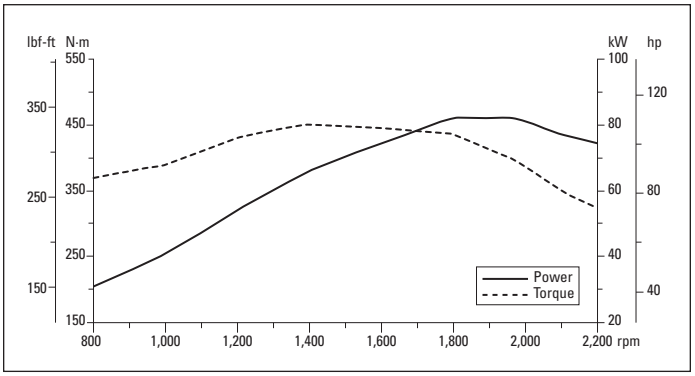
Engine

Cat C4.4 ACERT	910M		914M		918M	
Maximum Rated Gross Power						
Maximum Engine Speed	2,350 rpm		2,350 rpm		2,350 rpm	
SAE J1995	76 kW	102 hp	76 kW	102 hp	87 kW	117 hp
ISO 14396	74 kW	100 hp	74 kW	100 hp	86 kW	115 hp
ISO 14396 (DIN)	74 kW	101 hp	74 kW	101 hp	86 kW	117 hp
Rated Net Power	2,200 rpm		2,200 rpm		2,200 rpm	
SAE J1349	72 kW	96 hp	72 kW	96 hp	83 kW	112 hp
ISO 9249	72 kW	97 hp	72 kW	97 hp	84 kW	113 hp
ISO 9249 (DIN)	72 kW	98 hp	72 kW	98 hp	84 kW	114 hp
Maximum Gross Torque						
SAE J1995	455 N·m	336 lbf-ft	455 N·m	336 lbf-ft	504 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	441 N·m	325 lbf-ft	441 N·m	325 lbf-ft	490 N·m	361 lbf-ft
ISO 9249	446 N·m	329 lbf-ft	446 N·m	329 lbf-ft	495 N·m	365 lbf-ft
Displacement	4.4 L	268 in³	4.4 L	268 in³	4.4 L	268 in³
Bore	105 mm	4.13 in	105 mm	4.13 in	105 mm	4.13 in
Stroke	127 mm	5 in	127 mm	5 in	127 mm	5 in

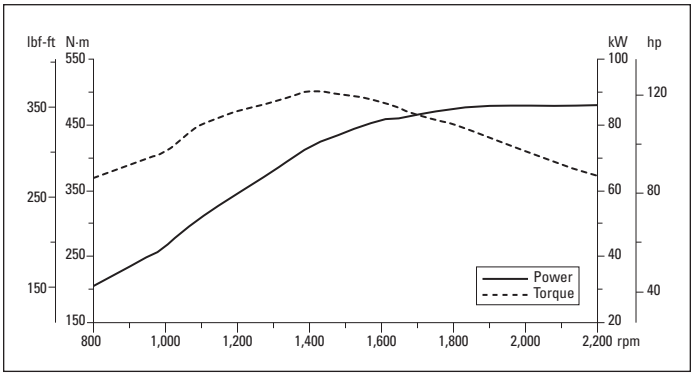
- Net power ratings are tested at the reference conditions for the specified standard.
- Net power advertised is the power available at the flywheel plus front drive implement pump when the engine is equipped with fan, air cleaner, muffler and alternator.
- The Cat C4.4 ACERT engine meets Tier 4 Final/Stage IV off-highway emission standards.

Engine Torque

910M/914M



918M



Cab



- ROPS: ISO 3471:2008.
- FOPS: ISO 3449:2005 Level II.
- The declared dynamic operator around pressures levels per ISO 6396:2008*, when properly installed and maintained, is 75 dB(A).
- 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).

*The measurements were conducted with the cab doors and windows closed.

910M, 914M, 918M Wheel Loader Specifications

Loader Hydraulic System



- 910M implement system is open center control with the use of a gear pump.
- 914M and 918M 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.

	910M		914M		918M	
Maximum Flow – Implement Pump	122 L/min	32 gal/min	148 L/min	39 gal/min	165 L/min	44 gal/min
3rd Function, Maximum Flow, Standard	90 L/min	24 gal/min	90 L/min	24 gal/min	95 L/min	25 gal/min
3rd Function, Maximum Flow, High	N/A	N/A	120 L/min	32 gal/min	150 L/min	40 gal/min
4th Function, Maximum Flow	90 L/min	24 gal/min	90 L/min	24 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	34 000 kPa	4,931 psi	34 000 kPa	4,931 psi	32 000 kPa	4,641 psi
3rd and 4th Function Maximum Working Pressure	21 000 kPa	3,046 psi	21 000 kPa	3,046 psi	32 000 kPa	4,641 psi
3rd and 4th Function Relief Pressure	28 000 kPa	4,061 psi	28 000 kPa	4,061 psi	32 000 kPa	4,641 psi
Lift Cylinder: Double Acting						
Bore Diameter	100 mm	3.9 in	100 mm	3.9 in	100 mm	3.9 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	60 mm	2.4 in
Stroke	578 mm	22.8 in	578 mm	22.8 in	581 mm	22.9 in
Cycle Times						
Raise (ground level to maximum lift)	5.2 seconds		5.2 seconds		4.8 seconds	
Dump (at maximum lift height)	1.4 seconds		1.4 seconds		1.8 seconds	
Rack Back	2.2 seconds		2.2 seconds		2.2 seconds	
Float Down (maximum lift to ground level)	3.7 seconds		3.7 seconds		2.7 seconds	
Total Cycle Time	12.5 seconds		12.5 seconds		11.5 seconds	

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).

	910M	914M	918M
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

Steering



- 910M steering system used a gear pump with priority flow control.
- 914M and 918M steering system uses a dedicated load sensing variable displacement pump.
- Steering system utilizes dual double acting steering cylinders.

	910M		914M		918M	
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	

Transmission



* Creeper control allows for speed control from a stand still up to 10 km/h (6.3 mph). The Creeper Control will only work in Range 1.

	910M		914M		918M	
Forward and Reverse						
Low Range, Speed Range 1*	10 km/h	6.3 mph	10 km/h	6.3 mph	10 km/h	6.3 mph
Low Range, Speed Range 2	20 km/h	12.5 mph	20 km/h	12.5 mph	20 km/h	12.5 mph
High Range (optional)	40 km/h	25 mph	40 km/h	25 mph	40 km/h	25 mph

Service Refill Capacities

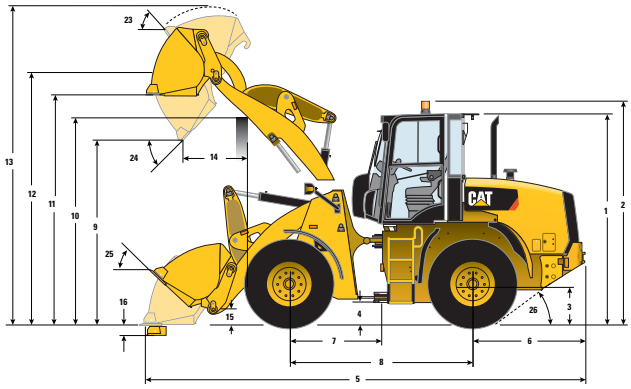
- DEF used in Cat Selective Catalyst Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.

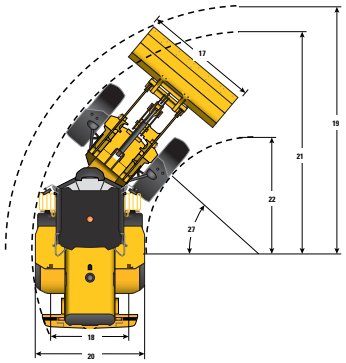
	910M		914M		918M	
Fuel Tank	154 L	40.7 gal	154 L	40.7 gal	154 L	40.7 gal
Cooling System	21.5 L	5.7 gal	21.5 L	5.7 gal	21.5 L	5.7 gal
Engine Crankcase	8.8 L	2.3 gal	8.8 L	2.3 gal	8.8 L	2.3 gal
Front Axles	7.5 L	2 gal	7.5 L	2 gal	17 L	4.5 gal
Rear Axles	7.5 L	2 gal	7.5 L	2 gal	17 L	4.5 gal
Hydraulic System (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	3.4 L	0.9 gal	3.4 L	0.9 gal	3.4 L	0.9 gal
Diesel Exhaust Fluid (DEF) Tank	18.9 L	5 gal	18.9 L	5 gal	18.9 L	5 gal

910M, 914M, 918M Wheel Loader Specifications

Dimensions with Bucket

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





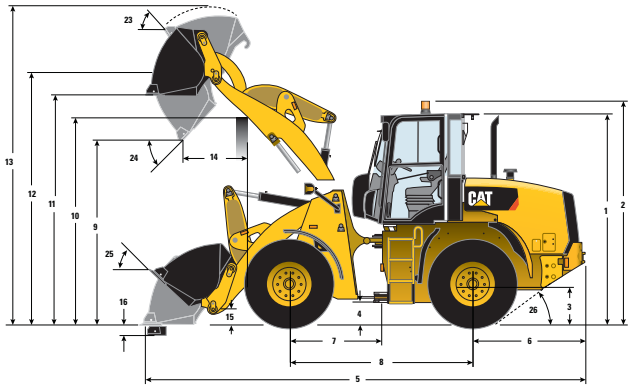
*Vary with bucket.
**Vary with tire.

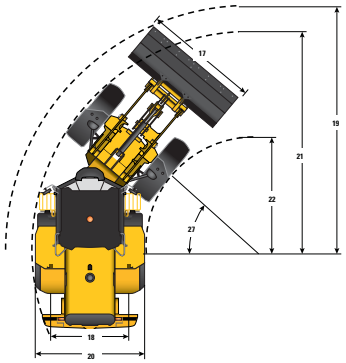
		Standard Lift – Pin On						High Lift – Pin On			
		910M		914M		918M		910M		914M	
		mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
**	1 Height: Ground to Cab	3020	9'10"	3093	10'1"	3110	10'2"	3020	9'10"	3093	10'1"
**	2 Height: Ground to Beacon	3210	10'6"	3283	10'9"	3300	10'9"	3210	10'6"	3283	10'9"
**	3 Height: Ground Axle Center	600	1'11"	640	2'1"	640	2'1"	600	1'11"	640	2'1"
**	4 Height: Ground Clearance	348	1'1"	405	1'3"	438	1'5"	348	1'1"	405	1'3"
*	5 Length: Overall	6226	20'5"	6291	20'7"	6617	21'8"	6758	22'2"	6834	22'5"
	6 Length: Rear Axle to Bumper	1590	5'2"	1600	5'2"	1615	5'3"	1590	5'2"	1600	5'2"
	7 Length: Hitch to Front Axle	1300	4'3"	1300	4'3"	1350	4'5"	1300	4'3"	1300	4'3"
	8 Length: Wheel Base	2600	8'6"	2600	8'6"	2700	8'10"	2600	8'6"	2600	8'6"
*	9 Clearance: Bucket at 45°	2846	9'4"	2820	9'3"	2857	9'4"	3219	10'6"	3188	10'5"
**	10 Clearance: Load over Height	3284	10'9"	3315	10'10"	3381	11'1"	3397	11'1"	3429	11'2"
**	11 Clearance: Level Bucket	3419	11'2"	3447	11'3"	3563	11'8"	3775	12'4"	3800	12'5"
**	12 Height: Bucket Pin	3673	12'0"	3701	12'1"	3818	12'6"	4030	13'2"	4055	13'3"
**	13 Height: Overall	4534	14'10"	4621	15'1"	4859	15'11"	4891	16'0"	4974	16'3"
*	14 Reach: Bucket at 45°	759	2'5"	790	2'7"	902	2'11"	1004	3'3"	1029	3'4"
	15 Carry Height: Bucket Pin	319	1'0"	317	1'0"	353	1'1"	480	1'6"	483	1'6"
**	16 Dig Depth	116	4.5"	89	3.4"	60	2.3"	294	11.5"	272	10.7"
	17 Width: Bucket	2401	7'10"	2401	7'10"	2401	7'10"	2401	7'10"	2401	7'10"
	18 Width: Tread Center	1800	5'10"	1800	5'10"	1800	5'10"	1800	5'10"	1800	5'10"
	19 Turning Radius: Over Bucket	5180	16'11"	5200	17'0"	5400	17'8"	5419	17'9"	5448	17'10"
	20 Width: Over Tires	2259	7'4"	2259	7'4"	2259	7'4"	2259	7'4"	2259	7'4"
	21 Turning Radius: Outside of Tires	4716	15'5"	4741	15'6"	4877	16'0"	4716	15'5"	4741	15'6"
	22 Turning Radius: Inside of Tires	2446	8'0"	2426	7'11"	2563	8'4"	2446	8'0"	2426	7'11"
	23 Rack Angle at Full Lift	57°		57°		55°		59°		59°	
	24 Dump Angle at Full Lift	47°		48°		47°		43°		44°	
	25 Rack Angle at Carry	42°		41°		44°		50°		49°	
	26 Departure Angle	33°		33°		33°		33°		33°	
	27 Articulation Angle	40°		40°		40°		40°		40°	
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
	Operating Weight	7917	17,450	8380	18,469	9318	20,537	8482	18,693	8906	19,629

Dimensions listed are for a machine configured with general purpose Pin On bucket, bolt-on cutting edge, optional counterweights, standard guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires for 910M and Michelin 17.5 R25 (L2) XTLA tires for 914M and 918M.

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.

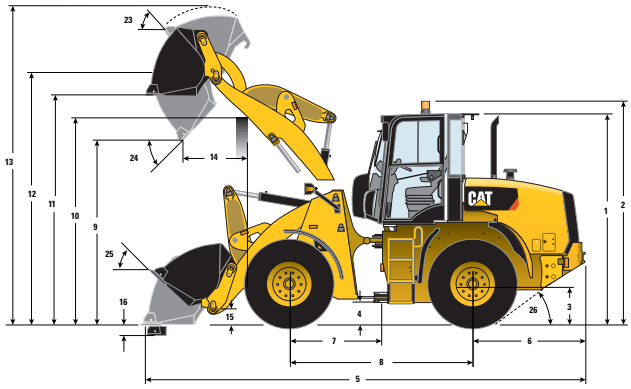
		Standard Lift – IT						High Lift – IT			
		910M		914M		918M		910M		914M	
		mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
**	1 Height: Ground to Cab	3020	9'10"	3093	10'1"	3110	10'2"	3020	9'10"	3093	10'1"
**	2 Height: Ground to Beacon	3210	10'6"	3283	10'9"	3300	10'9"	3210	10'6"	3283	10'9"
**	3 Height: Ground Axle Center	600	1'11"	640	2'1"	640	2'1"	600	1'11"	640	2'1"
**	4 Height: Ground Clearance	348	1'1"	405	1'3"	438	1'5"	348	1'1"	405	1'3"
*	5 Length: Overall	6373	20'10"	6433	21'1"	6719	22'0"	6825	22'4"	6905	22'7"
	6 Length: Rear Axle to Bumper	1590	5'2"	1600	5'2"	1615	5'3"	1590	5'2"	1600	5'2"
	7 Length: Hitch to Front Axle	1300	4'3"	1300	4'3"	1350	4'5"	1300	4'3"	1300	4'3"
	8 Length: Wheel Base	2600	8'6"	2600	8'6"	2700	8'10"	2600	8'6"	2600	8'6"
*	9 Clearance: Bucket at 45°	2747	9'0"	2722	8'11"	2780	9'1"	3176	10'5"	3141	10'3"
**	10 Clearance: Load over Height	3284	10'9"	3315	10'10"	3381	11'1"	3397	11'1"	3429	11'2"
**	11 Clearance: Level Bucket	3418	11'2"	3446	11'3"	3563	11'8"	3774	12'4"	3800	12'5"
**	12 Height: Bucket Pin	3673	12'0"	3701	12'1"	3818	12'6"	4030	13'2"	4055	13'3"
**	13 Height: Overall	4646	15'2"	4731	15'6"	4928	16'1"	4920	16'1"	5027	16'5"
*	14 Reach: Bucket at 45°	867	2'10"	891	2'11"	966	3'2"	1054	3'5"	1083	3'6"
	15 Carry Height: Bucket Pin	319	1'0"	317	1'0"	353	1'1"	480	1'6"	483	1'6"
**	16 Dig Depth	116	4.5"	90	3.5"	60	2.3"	295	11.6"	273	10.7"
	17 Width: Bucket	2401	7'10"	2401	7'10"	2401	7'10"	2401	7'10"	2401	7'10"
	18 Width: Tread Center	1800	5'10"	1800	5'10"	1800	5'10"	1800	5'10"	1800	5'10"
	19 Turning Radius: Over Bucket	5223	17'1"	5244	17'2"	5434	17'9"	5440	17'10"	5471	17'11"
	20 Width: Over Tires	2259	7'4"	2259	7'4"	2259	7'4"	2259	7'4"	2259	7'4"
	21 Turning Radius: Outside of Tires	2397	7'10"	2507	8'2"	2402	7'10"	2397	7'10"	2507	8'2"
	22 Turning Radius: Inside of Tires	2017	6'7"	2126	6'11"	2031	6'7"	2017	6'7"	2126	6'11"
	23 Rack Angle at Full Lift	57°		57°		54°		59°		59°	
	24 Dump Angle at Full Lift	47°		47°		47°		44°		44°	
	25 Rack Angle at Carry	42°		41°		43°		50°		49°	
	26 Departure Angle	33°		33°		33°		33°		33°	
	27 Articulation Angle	40°		40°		40°		40°		40°	
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
	Operating Weight	8297	18,286	8754	19,294	9543	21,032	8821	19,442	9095	20,044

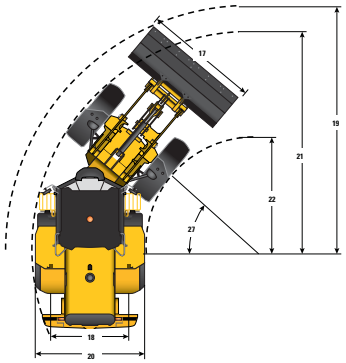
Dimensions listed are for a machine configured with general purpose IT bucket, bolt-on cutting edge, optional counterweights, standard guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires for 910M and Michelin 17.5 R25 (L2) XTLA tires for 914M and 918M.

910M, 914M, 918M Wheel Loader Specifications

Dimensions with Bucket

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

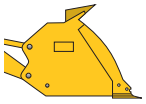




*Vary with bucket. **Vary with tire.	Standard Lift – ISO						High Lift – ISO			
	910M		914M		918M		910M		914M	
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
** 1 Height: Ground to Cab	3020	9'10"	3093	10'1"	3110	10'2"	3020	9'10"	3093	10'1"
** 2 Height: Ground to Beacon	3210	10'6"	3283	10'9"	3300	10'9"	3210	10'6"	3283	10'9"
** 3 Height: Ground Axle Center	600	1'11"	640	2'1"	640	2'1"	600	1'11"	640	2'1"
** 4 Height: Ground Clearance	348	1'1"	405	1'3"	438	1'5"	348	1'1"	405	1'3"
* 5 Length: Overall	6429	21'1"	6489	21'3"	6768	22'2"	6882	22'6"	6962	22'10"
6 Length: Rear Axle to Bumper	1590	5'2"	1600	5'2"	1615	5'3"	1590	5'2"	1600	5'2"
7 Length: Hitch to Front Axle	1300	4'3"	1300	4'3"	1350	4'5"	1300	4'3"	1300	4'3"
8 Length: Wheel Base	2600	8'6"	2600	8'6"	2700	8'10"	2600	8'6"	2600	8'6"
* 9 Clearance: Bucket at 45°	2709	8'10"	2684	8'9"	2754	9'0"	3140	10'3"	3105	10'2"
** 10 Clearance: Load over Height	3284	10'9"	3315	10'10"	3381	11'1"	3397	11'1"	3429	11'2"
** 11 Clearance: Level Bucket	3418	11'2"	3446	11'3"	3564	11'8"	3774	12'4"	3799	12'5"
** 12 Height: Bucket Pin	3673	12'0"	3701	12'1"	3818	12'6"	4030	13'2"	4055	13'3"
** 13 Height: Overall	4667	15'3"	4765	15'7"	4962	16'3"	4955	16'3"	5048	16'6"
* 14 Reach: Bucket at 45°	909	2'11"	933	3'0"	1013	3'3"	1100	3'7"	1127	3'8"
15 Carry Height: Bucket Pin	317	1'0"	322	1'0"	345	1'1"	448	1'5"	455	1'5"
** 16 Dig Depth	117	4.5"	90	3.5"	60	2.3"	295	11.6"	273	10.7"
17 Width: Bucket	2401	7'10"	2401	7'10"	2401	7'10"	2401	7'10"	2401	7'10"
18 Width: Tread Center	1800	5'10"	1800	5'10"	1800	5'10"	1800	5'10"	1800	5'10"
19 Turning Radius: Over Bucket	5239	17'2"	5262	17'3"	5445	17'10"	5452	17'10"	5484	17'11"
20 Width: Over Tires	2259	7'4"	2259	7'4"	2259	7'4"	2259	7'4"	2259	7'4"
21 Turning Radius: Outside of Tires	2395	7'10"	2492	8'2"	2376	7'9"	2395	7'10"	2492	8'2"
22 Turning Radius: Inside of Tires	2015	6'7"	2110	6'11"	2004	6'6"	2015	6'7"	2110	6'11"
23 Rack Angle at Full Lift	57°		57°		55°		60°		59°	
24 Dump Angle at Full Lift	47°		47°		47°		44°		44°	
25 Rack Angle at Carry	43°		41°		43°		49°		48°	
26 Departure Angle	33°		33°		33°		33°		33°	
27 Articulation Angle	40°		40°		40°		40°		40°	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Operating Weight	8318	18,333	8776	19,342	9565	21,082	8844	19,491	9116	20,091

Dimensions listed are for a machine configured with general purpose ISO bucket, bolt-on cutting edge, optional counterweights, standard guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires for 910M and Michelin 17.5 R25 (L2) XTLA tires for 914M and 918M.

910M Operating Specifications with Buckets

			Standard Lift – General Purpose						
			 Pin On			 IT			
	Rated Capacity 100% (including BOCE)	m^3	1.4	1.6	1.8	1.3	1.5	1.6	1.7
		yd^3	1.8	2.1	2.4	1.7	2.0	2.1	2.2
	Rated Capacity 110% (including BOCE)	m^3	1.5	1.7	1.9	1.4	1.6	1.7	1.8
		yd^3	2.0	2.2	2.5	1.8	2.1	2.2	2.4
	Struck Capacity	m^3	1.25	1.45	1.65	1.15	1.35	1.45	1.55
		yd^3	1.6	1.9	2.2	1.5	1.8	1.9	2.0
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1829	1578	1385	1939	1657	1544	1443
		lb/yd^3	3,135	2,650	2,289	3,269	2,739	2,593	2,458
	Nominal Material Density, 110% Fill Factor	kg/m^3	1707	1485	1312	1801	1554	1453	1363
		lb/yd^3	3,002	2,691	2,337	3,284	2,775	2,633	2,397
9	Clearance: Full Lift, 45° Dump	mm	2846	2792	2738	2809	2747	2721	2694
		ft/in	9'4"	9'1"	8'11"	9'2"	9'0"	8'11"	8'10"
14	Reach: Full Lift, 45° Dump	mm	759	811	858	820	867	888	910
		ft/in	2'5"	2'7"	2'9"	2'8"	2'10"	2'10"	2'11"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1338	1361	1377	1380	1392	1397	1402
		ft/in	4'4"	4'5"	4'6"	4'6"	4'6"	4'7"	4'7"
	Reach: Level Arm, Level Bucket	mm	2026	2101	2175	2092	2172	2207	2243
		ft/in	6'7"	6'10"	7'1"	6'10"	7'1"	7'2"	7'4"
16	Dig Depth	mm	116	116	116	117	116	116	117
		in	4.5"	4.5"	4.6"	4.6"	4.6"	4.6"	4.6"
5	Length: Overall	mm	6226	6301	6375	6293	6373	6407	6444
		ft/in	20'5"	20'8"	20'10"	20'7"	20'10"	21'0"	21'1"
13	Height: Overall	mm	4534	4593	4681	4563	4646	4653	4703
		ft/in	14'10"	15'0"	15'4"	14'11"	15'2"	15'3"	15'5"
19	Turning Radius: Bucket at Carry	mm	5180	5202	5224	5199	5223	5234	5245
		ft/in	16'11"	17'0"	17'1"	17'0"	17'1"	17'2"	17'2"
	Tipping Load – Straight, ISO 14397-1*	kg	6036	5959	5887	5972	5895	5862	5825
		lb	13,302	13,132	12,975	13,162	12,992	12,920	12,838
	Tipping Load – Straight, Rigid Tire**	kg	6287	6207	6132	6221	6141	6106	6068
		lb	13,856	13,681	13,515	13,710	13,534	13,458	13,373
	Tipping Load – Full Turn, ISO 14397-1*	kg	5121	5051	4984	5042	4971	4941	4907
		lb	11,286	11,131	10,985	11,113	10,957	10,890	10,815
	Tipping Load – Full Turn, Rigid Tire**	kg	5448	5373	5303	5364	5289	5257	5220
		lb	12,007	11,841	11,686	11,822	11,656	11,585	11,505
	Breakout Force	kgf	7326	6691	6162	6739	6156	5933	5715
		lbf	16,146	14,745	13,580	14,853	13,567	13,077	12,595
	Operating Weight	kg	7917	7956	7992	8257	8297	8313	8331
		lb	17,450	17,535	17,613	18,199	18,286	18,321	18,360

*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 910M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

Bucket Specifications

910M Operating Specifications with Buckets

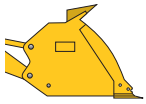
			Standard Lift – General Purpose				
							
			ISO 23727			ISO Flat Floor	
	Rated Capacity 100% (including BOCE)	m^3	1.3	1.5	1.7	1.5	1.6
		yd^3	1.7	2.0	2.2	2.0	2.1
	Rated Capacity 110% (including BOCE)	m^3	1.4	1.6	1.8	1.6	1.7
		yd^3	1.8	2.1	2.4	2.1	2.2
	Struck Capacity	m^3	1.15	1.35	1.55	1.0	1.1
		yd^3	1.5	1.8	2.0	1.3	1.4
17	Width: Bucket	mm	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1892	1617	1405	1584	1477
		lb/yd^3	3,189	2,673	2,392	2,619	2,481
	Nominal Material Density, 110% Fill Factor	kg/m^3	1757	1516	1327	1485	1390
		lb/yd^3	3,204	2,708	2,333	2,644	2,510
9	Clearance: Full Lift, 45° Dump	mm	2772	2709	2656	2759	2945
		ft/in	9'1"	8'10"	8'8"	9'0"	9'7"
14	Reach: Full Lift, 45° Dump	mm	863	909	952	970	1192
		ft/in	2'9"	2'11"	3'1"	3'2"	3'10"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1403	1411	1420	1502	1821
		ft/in	4'7"	4'7"	4'7"	4'11"	5'11"
	Reach: Level Arm, Level Bucket	mm	2149	2228	2298	2227	2259
		ft/in	7'0"	7'3"	7'6"	7'3"	7'4"
16	Dig Depth	mm	117	117	117	115	115
		in	4.6"	4.6"	4.6"	4.5"	4.5"
5	Length: Overall	mm	6350	6429	6499	6426	6459
		ft/in	20'10"	21'1"	21'3"	21'0"	21'2"
13	Height: Overall	mm	4599	4667	4737	4675	4697
		ft/in	15'1"	15'3"	15'6"	15'4"	15'4"
19	Turning Radius: Bucket at Carry	mm	5216	5239	5261	5239	5249
		ft/in	17'1"	17'2"	17'3"	17'2"	17'2"
	Tipping Load – Straight, ISO 14397-1*	kg	5833	5759	5678	5658	5631
		lb	12,857	12,692	12,513	12,469	12,409
	Tipping Load – Straight, Rigid Tire**	kg	6077	5999	5914	5894	5865
		lb	13,392	13,221	13,034	12,989	12,926
	Tipping Load – Full Turn, ISO 14397-1*	kg	4920	4852	4776	4753	4728
		lb	10,844	10,693	10,526	10,475	10,419
	Tipping Load – Full Turn, Rigid Tire**	kg	5234	5161	5081	5038	5011
		lb	11,536	11,375	11,198	11,103	11,044
	Breakout Force	kgf	6297	5785	5304	5689	5467
		lbf	13,877	12,750	11,690	12,538	12,048
	Operating Weight	kg	8280	8318	8352	8399	8414
		lb	18,248	18,333	18,408	18,510	18,543

*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 910M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

910M Operating Specifications with Buckets

			High Lift – General Purpose								
			 Pin On				 IT				
	Rated Capacity 100% (including BOCE)	m^3	1.4	1.6	1.8	1.9	1.3	1.5	1.6	1.7	1.9
		yd^3	1.8	2.1	2.4	2.5	1.7	2.0	2.1	2.2	2.5
	Rated Capacity 110% (including BOCE)	m^3	1.5	1.7	1.9	2.0	1.4	1.6	1.7	1.8	2.0
		yd^3	2.0	2.2	2.5	2.6	1.8	2.1	2.2	2.4	2.6
	Struck Capacity	m^3	1.25	1.45	1.65	1.75	1.15	1.35	1.45	1.55	1.75
		yd^3	1.6	1.9	2.2	2.3	1.5	1.8	1.9	2.0	2.3
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1705	1473	1295	1220	1803	1543	1439	1346	1183
		lb/yd^3	2,922	2,474	2,140	2,043	3,039	2,551	2,416	2,293	1,982
	Nominal Material Density, 110% Fill Factor	kg/m^3	1591	1387	1226	1159	1674	1447	1354	1271	1124
		lb/yd^3	2,798	2,512	2,185	2,090	3,053	2,585	2,454	2,235	2,028
9	Clearance: Full Lift, 45° Dump	mm	3219	3171	3123	3101	3176	3125	3102	3079	3026
		ft/in	10'6"	10'4"	10'2"	10'2"	10'5"	10'3"	10'2"	10'1"	9'11"
14	Reach: Full Lift, 45° Dump	mm	1004	1061	1118	1143	1054	1115	1142	1169	1208
		ft/in	3'3"	3'5"	3'7"	3'9"	3'5"	3'7"	3'8"	3'10"	3'11"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1798	1826	1848	1857	1843	1861	1870	1878	1881
		ft/in	5'10"	5'11"	6'0"	6'1"	6'0"	6'1"	6'1"	6'1"	6'2"
	Reach: Level Arm, Level Bucket	mm	2441	2516	2590	2624	2507	2587	2621	2657	2725
		ft/in	8'0"	8'3"	8'5"	8'7"	8'2"	8'5"	8'7"	8'8"	8'11"
16	Dig Depth	mm	294	294	294	294	295	295	295	295	294
		in	11.6"	11.6"	11.6"	11.6"	11.6"	11.6"	11.6"	11.6"	11.6"
5	Length: Overall	mm	6758	6834	6907	6941	6825	6905	6939	6976	7043
		ft/in	22'2"	22'5"	22'7"	22'9"	22'4"	22'7"	22'9"	22'10"	23'1"
13	Height: Overall	mm	4891	4949	5037	5071	4920	5002	5009	5059	5140
		ft/in	16'0"	16'2"	16'6"	16'7"	16'1"	16'4"	16'5"	16'7"	16'10"
19	Turning Radius: Bucket at Carry	mm	5419	5443	5466	5476	5440	5465	5476	5487	5514
		ft/in	17'9"	17'10"	17'11"	17'11"	17'10"	17'11"	17'11"	18'0"	18'1"
	Tipping Load – Straight, ISO 14397-1*	kg	5677	5614	5556	5529	5604	5542	5515	5484	5398
		lb	12,511	12,373	12,244	12,186	12,352	12,213	12,154	12,087	11,896
	Tipping Load – Straight, Rigid Tire**	kg	5913	5848	5787	5760	5838	5772	5745	5713	5623
		lb	13,032	12,889	12,755	12,694	12,866	12,722	12,661	12,591	12,392
	Tipping Load – Full Turn, ISO 14397-1*	kg	4773	4715	5660	4636	4688	4630	4605	4577	4497
		lb	10,519	10,391	10,271	10,217	10,333	10,204	10,149	10,087	9,911
	Tipping Load – Full Turn, Rigid Tire**	kg	5077	5016	4958	4932	4988	4925	4899	4869	4784
		lb	11,190	11,054	10,926	10,869	10,992	10,855	10,797	10,730	10,544
	Breakout Force	kgf	7391	6750	6217	5997	6798	6210	5986	5766	5339
		lbf	16,289	14,877	13,702	13,217	14,983	13,687	13,193	12,707	11,767
	Operating Weight	kg	8482	8521	8556	8572	8821	8861	8877	8895	8949
		lb	18,693	18,779	18,857	18,892	19,442	19,529	19,564	19,604	19,722

*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 910M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

Bucket Specifications

910M Operating Specifications with Buckets

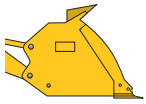
			High Lift – General Purpose						
			 ISO 23727				 ISO Flat Floor		
	Rated Capacity 100% (including BOCE)	m^3	1.3	1.5	1.7	1.9	1.5	1.6	1.8
		yd^3	1.7	2.0	2.2	2.5	2.0	2.1	2.4
	Rated Capacity 110% (including BOCE)	m^3	1.4	1.6	1.8	2.0	1.6	1.7	1.9
		yd^3	1.8	2.1	2.4	2.6	2.1	2.2	2.5
	Struck Capacity	m^3	1.15	1.35	1.55	1.75	1.0	1.1	1.2
		yd^3	1.5	1.8	2.0	2.3	1.3	1.4	1.6
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1766	1512	1316	1158	1480	1381	1211
		lb/yd^3	2,977	2,499	2,241	1,940	2,446	2,319	2,001
	Nominal Material Density, 110% Fill Factor	kg/m^3	1640	1417	1243	1100	1387	1300	1147
		lb/yd^3	2,991	2,532	2,186	1,984	2,470	2,346	2,036
9	Clearance: Full Lift, 45° Dump	mm	3140	3090	3044	3004	3116	3302	3022
		ft/in	10'3"	10'1"	9'11"	9'10"	10'2"	10'9"	9'10"
14	Reach: Full Lift, 45° Dump	mm	1100	1160	1214	1259	1190	1411	1237
		ft/in	3'7"	3'9"	3'11"	4'1"	3'10"	4'7"	4'0"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1869	1884	1900	1915	1971	2272	1909
		ft/in	6'1"	6'2"	6'2"	6'3"	6'5"	7'5"	6'3"
	Reach: Level Arm, Level Bucket	mm	2564	2643	2713	2775	2641	2674	2746
		ft/in	8'4"	8'8"	8'10"	9'1"	8'7"	8'9"	9'0"
16	Dig Depth	mm	295	295	295	293	294	294	294
		in	11.6"	11.6"	11.6"	11.6"	11.6"	11.6"	11.6"
5	Length: Overall	mm	6882	6961	7031	7092	6959	6991	7063
		ft/in	22'6"	22'10"	23'0"	23'3"	22'9"	22'11"	23'2"
13	Height: Overall	mm	4955	5023	5094	5174	5031	5053	5139
		ft/in	16'3"	16'5"	16'8"	16'11"	16'6"	16'6"	16'10"
19	Turning Radius: Bucket at Carry	mm	5452	5478	5500	5521	5478	5488	5512
		ft/in	17'10"	17'11"	18'0"	18'1"	17'11"	18'0"	18'1"
	Tipping Load – Straight, ISO 14397-1*	kg	5496	5435	5370	5292	5337	5315	5250
		lb	12,112	11,977	11,834	11,662	11,762	11,713	11,570
	Tipping Load – Straight, Rigid Tire**	kg	5725	5661	5593	5512	5559	5536	5468
		lb	12,617	12,476	12,327	12,148	12,252	12,201	12,052
	Tipping Load – Full Turn, ISO 14397-1*	kg	4593	4536	4475	4401	4440	4419	4359
		lb	10,122	9,996	9,862	9,699	9,785	9,739	9,606
	Tipping Load – Full Turn, Rigid Tire**	kg	4886	4825	4760	4682	4706	4684	4620
		lb	10,768	10,634	10,491	10,318	10,372	10,323	10,182
	Breakout Force	kgf	6349	5834	5350	5071	6250	6008	5542
		lbf	13,994	12,858	11,791	11,177	13,773	13,241	12,214
	Operating Weight	kg	8844	8882	8917	8971	8963	8978	9019
		lb	19,491	19,576	19,652	19,771	19,754	19,787	19,877

*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 910M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

914M Operating Specifications with Buckets

			Standard Lift – General Purpose								
			 Pin On				 IT				
	Rated Capacity 100% (including BOCE)	m^3	1.4	1.6	1.8	1.9	1.3	1.5	1.6	1.7	1.9
		yd^3	1.8	2.1	2.4	2.5	1.7	2.0	2.1	2.2	2.5
	Rated Capacity 110% (including BOCE)	m^3	1.5	1.7	1.9	2.0	1.4	1.6	1.7	1.8	2.0
		yd^3	2.0	2.2	2.5	2.6	1.8	2.1	2.2	2.4	2.6
	Struck Capacity	m^3	1.15	1.45	1.65	1.75	1.15	1.35	1.45	1.55	1.75
		yd^3	1.5	1.9	2.2	2.3	1.5	1.8	1.9	2.0	2.3
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1907	1645	1444	1359	2021	1727	1609	1504	1320
		lb/yd^3	3,268	2,763	2,386	2,277	3,406	2,855	2,702	2,562	2,212
	Nominal Material Density, 110% Fill Factor	kg/m^3	1779	1549	1368	1291	1876	1619	1515	1421	1254
		lb/yd^3	3,129	2,806	2,437	2,329	3,422	2,892	2,744	2,498	2,262
9	Clearance: Full Lift, 45° Dump	mm	2874	2820	2766	2741	2838	2775	2749	2722	2664
		ft/in	9'5"	9'3"	9'0"	8'11"	9'3"	9'1"	9'0"	8'11"	8'8"
14	Reach: Full Lift, 45° Dump	mm	737	790	838	860	799	847	868	891	925
		ft/in	2'5"	2'7"	2'8"	2'9"	2'7"	2'9"	2'10"	2'11"	3'0"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1327	1352	1370	1377	1370	1384	1390	1396	1394
		ft/in	4'4"	4'5"	4'5"	4'6"	4'5"	4'6"	4'6"	4'6"	4'6"
	Reach: Level Arm, Level Bucket	mm	1996	2072	2146	2179	2063	2143	2177	2213	2281
		ft/in	6'6"	6'9"	7'0"	7'1"	6'9"	7'0"	7'1"	7'3"	7'5"
16	Dig Depth	mm	89	89	89	89	90	89	89	90	88
		in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
5	Length: Overall	mm	6215	6291	6364	6398	6282	6362	6397	6433	6500
		ft/in	20'4"	20'7"	20'10"	20'11"	20'7"	20'10"	20'11"	21'1"	21'3"
13	Height: Overall	mm	4562	4621	4709	4743	4591	4674	4681	4731	4811
		ft/in	14'11"	15'1"	15'5"	15'6"	15'0"	15'4"	15'4"	15'6"	15'9"
19	Turning Radius: Bucket at Carry	mm	5178	5200	5223	5233	5198	5222	5232	5244	5268
		ft/in	16'11"	17'0"	17'1"	17'2"	17'0"	17'1"	17'2"	17'2"	17'3"
	Tipping Load – Straight, ISO 14397-1*	kg	6273	6194	6119	6086	6204	6125	6091	6052	5946
		lb	13,826	13,651	13,487	13,412	13,674	13,498	13,423	13,339	13,104
	Tipping Load – Straight, Rigid Tire**	kg	6535	6452	6374	6339	6463	6380	6344	6304	6194
		lb	14,402	14,220	14,049	13,971	14,244	14,061	13,983	13,894	13,650
	Tipping Load – Full Turn, ISO 14397-1*	kg	5338	5265	5197	5166	5254	5181	5150	5114	5017
		lb	11,765	11,605	11,454	11,385	11,579	11,418	11,349	11,271	11,058
	Tipping Load – Full Turn, Rigid Tire**	kg	5679	5602	5529	5496	5589	5512	5478	5441	5338
		lb	12,516	12,345	12,185	12,112	12,319	12,147	12,074	11,991	11,764
	Breakout Force	kgf	8730	7980	7357	7100	8043	7355	7092	6835	6319
		lbf	19,240	17,588	16,214	15,647	17,726	16,209	15,631	15,064	13,926
	Operating Weight	kg	8341	8380	8415	8431	8681	8720	8736	8754	8808
		lb	18,383	18,469	18,547	18,582	19,132	19,219	19,254	19,294	19,413

*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 914M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

Bucket Specifications

914M Operating Specifications with Buckets

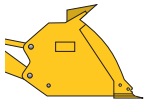
			Standard Lift – General Purpose						
			 ISO 23727				 ISO Flat Floor		
	Rated Capacity 100% (including BOCE)	m^3	1.3	1.5	1.7	1.9	1.5	1.6	1.8
		yd^3	1.7	2.0	2.2	2.5	2.0	2.1	2.4
	Rated Capacity 110% (including BOCE)	m^3	1.4	1.6	1.8	2.0	1.6	1.7	1.9
		yd^3	1.8	2.1	2.4	2.6	2.1	2.2	2.5
	Struck Capacity	m^3	1.15	1.35	1.55	1.75	1.0	1.1	1.2
		yd^3	1.5	1.8	2.0	2.3	1.3	1.4	1.6
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1972	1686	1464	1288	1653	1541	1350
		lb/yd^3	3,324	2,787	2,494	2,158	2,732	2,588	2,231
	Nominal Material Density, 110% Fill Factor	kg/m^3	1831	1580	1383	1224	1839	1722	1520
		lb/yd^3	3,340	2,823	2,432	2,207	2,758	2,619	2,270
9	Clearance: Full Lift, 45° Dump	mm	2800	2738	2684	2638	2788	2973	2660
		ft/in	9'2"	8'11"	8'9"	8'7"	9'1"	9'9"	8'8"
14	Reach: Full Lift, 45° Dump	mm	843	889	933	973	950	1169	955
		ft/in	2'9"	2'10"	3'0"	3'2"	3'1"	3'10"	3'1"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1394	1404	1415	1425	1494	1808	1422
		ft/in	4'6"	4'7"	4'7"	4'8"	4'10"	5'11"	4'7"
	Reach: Level Arm, Level Bucket	mm	2120	2199	2269	2331	2197	2230	2302
		ft/in	6'11"	7'2"	7'5"	7'7"	7'2"	7'3"	7'6"
16	Dig Depth	mm	90	90	90	88	88	88	88
		in	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
5	Length: Overall	mm	6340	6419	6489	6549	6416	6449	6520
		ft/in	20'9"	21'0"	21'3"	21'5"	21'0"	21'1"	21'4"
13	Height: Overall	mm	4627	4695	4765	4845	4703	4725	4811
		ft/in	15'2"	15'4"	15'7"	15'10"	15'5"	15'6"	15'9"
19	Turning Radius: Bucket at Carry	mm	5216	5240	5262	5282	5239	5250	5273
		ft/in	17'1"	17'2"	17'3"	17'3"	17'2"	17'2"	17'3"
	Tipping Load – Straight, ISO 14397-1*	kg	6062	5984	5900	5811	5884	5855	5775
		lb	13,359	13,189	13,004	12,807	12,967	12,905	12,728
	Tipping Load – Straight, Rigid Tire**	kg	6314	6234	6146	6053	6129	6099	6016
		lb	13,916	13,738	13,546	13,340	13,507	13,443	13,258
	Tipping Load – Full Turn, ISO 14397-1*	kg	5128	5057	4979	4895	4959	4933	4859
		lb	11,302	11,146	10,974	10,789	10,929	10,871	10,709
	Tipping Load – Full Turn, Rigid Tire**	kg	5456	5380	5297	5208	5256	5229	5150
		lb	12,023	11,857	11,674	11,478	11,584	11,523	11,351
	Breakout Force	kgf	7525	6922	6370	6032	6674	6418	5924
		lbf	16,585	15,256	14,039	13,295	14,709	14,145	13,056
	Operating Weight	kg	8703	8742	8776	8830	8822	8837	8878
		lb	19,182	19,266	19,342	19,462	19,444	19,477	19,568

*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 914M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

914M Operating Specifications with Buckets

			High Lift – General Purpose								
			 Pin On				 IT				
	Rated Capacity 100% (including BOCE)	m^3	1.4	1.6	1.8	1.9	1.3	1.5	1.6	1.7	1.9
		yd^3	1.8	2.1	2.4	2.5	1.7	2.0	2.1	2.2	2.5
	Rated Capacity 110% (including BOCE)	m^3	1.5	1.7	1.9	2.0	1.4	1.6	1.7	1.8	2.0
		yd^3	2.0	2.2	2.5	2.6	1.8	2.1	2.2	2.4	2.6
	Struck Capacity	m^3	1.15	1.45	1.65	1.75	1.15	1.35	1.45	1.55	1.75
		yd^3	1.5	1.9	2.2	2.3	1.5	1.8	1.9	2.0	2.3
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1747	1510	1327	1250	1776	1520	1417	1325	1165
		lb/yd^3	2,995	2,536	2,193	2,094	2,994	2,512	2,379	2,257	1,951
	Nominal Material Density, 110% Fill Factor	kg/m^3	1631	1421	1257	1188	1650	1425	1334	1252	1106
		lb/yd^3	2,868	2,575	2,240	2,143	3,008	2,545	2,416	2,201	1,995
9	Clearance: Full Lift, 45° Dump	mm	3237	3188	3139	3117	3193	3141	3118	3094	3041
		ft/in	10'7"	10'5"	10'3"	10'2"	10'5"	10'3"	10'2"	10'1"	9'11"
14	Reach: Full Lift, 45° Dump	mm	971	1029	1085	1111	1021	1083	1109	1137	1176
		ft/in	3'2"	3'4"	3'6"	3'7"	3'4"	3'6"	3'7"	3'8"	3'10"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1782	1812	1835	1845	1829	1848	1857	1866	1871
		ft/in	5'10"	5'11"	6'0"	6'0"	5'11"	6'0"	6'1"	6'1"	6'1"
	Reach: Level Arm, Level Bucket	mm	2411	2487	2560	2594	2477	2558	2592	2628	2696
		ft/in	7'10"	8'1"	8'4"	8'6"	8'1"	8'4"	8'6"	8'7"	8'10"
16	Dig Depth	mm	272	272	272	272	274	273	273	273	272
		in	10.7"	10.7"	10.7"	10.7"	10.8"	10.8"	10.8"	10.8"	10.7"
5	Length: Overall	mm	6758	6834	6908	6941	6825	6905	6940	6976	7043
		ft/in	22'2"	22'5"	22'7"	22'9"	22'4"	22'7"	22'9"	22'10"	23'1"
13	Height: Overall	mm	4916	4974	5062	5096	4945	5027	5034	5084	5165
		ft/in	16'1"	16'3"	16'7"	16'8"	16'2"	16'5"	16'6"	16'8"	16'11"
19	Turning Radius: Bucket at Carry	mm	5424	5448	5471	5482	5445	5471	5482	5494	5521
		ft/in	17'9"	17'10"	17'11"	17'11"	17'10"	17'11"	17'11"	18'0"	18'1"
	Tipping Load – Straight, ISO 14397-1*	kg	5798	5734	5674	5647	5499	5436	5409	5378	5291
		lb	12,779	12,638	12,505	12,445	12,120	11,980	11,920	11,852	11,660
	Tipping Load – Straight, Rigid Tire**	kg	6040	5973	5910	5882	5728	5662	5634	5602	5511
		lb	13,311	13,164	13,026	12,964	12,625	12,479	12,417	12,346	12,146
	Tipping Load – Full Turn, ISO 14397-1*	kg	4892	4833	4777	4752	4619	4559	4534	4506	4426
		lb	10,782	10,651	10,528	10,472	10,179	10,049	9,993	9,930	9,754
	Tipping Load – Full Turn, Rigid Tire**	kg	5205	5141	5082	5055	4914	4850	4824	4793	4708
		lb	11,470	11,331	11,200	11,141	10,829	10,690	10,631	10,564	10,376
	Breakout Force	kgf	8860	8100	7468	7207	8162	7464	7198	6937	6438
		lbf	19,526	17,851	16,458	15,883	17,988	16,451	15,865	15,289	14,188
	Operating Weight	kg	8867	8906	8942	8957	9055	9095	9110	9129	9182
		lb	19,543	19,629	19,707	19,742	19,957	20,044	20,079	20,119	20,237

*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 914M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

Bucket Specifications

914M Operating Specifications with Buckets

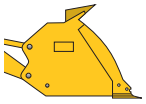
			High Lift – General Purpose						
			 ISO 23727				 ISO Flat Floor		
	Rated Capacity 100% (including BOCE)	m^3	1.3	1.5	1.7	1.9	1.5	1.6	1.8
		yd^3	1.7	2.0	2.2	2.5	2.0	2.1	2.4
	Rated Capacity 110% (including BOCE)	m^3	1.4	1.6	1.8	2.0	1.6	1.7	1.9
		yd^3	1.8	2.1	2.4	2.6	2.1	2.2	2.5
	Struck Capacity	m^3	1.15	1.35	1.55	1.75	1.0	1.1	1.2
		yd^3	1.5	1.8	2.0	2.3	1.3	1.4	1.6
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1740	1489	1295	1139	1457	1359	1191
		lb/yd^3	2,932	2,461	2,206	1,908	2,408	2,282	1,969
	Nominal Material Density, 110% Fill Factor	kg/m^3	1616	1396	1223	1082	1635	1532	1354
		lb/yd^3	2,946	2,493	2,151	1,952	2,431	2,309	2,004
9	Clearance: Full Lift, 45° Dump	mm	3157	3105	3059	3018	3141	3327	3037
		ft/in	10'4"	10'2"	10'0"	9'10"	10'3"	10'10"	9'11"
14	Reach: Full Lift, 45° Dump	mm	1067	1127	1181	1227	1169	1389	1205
		ft/in	3'6"	3'8"	3'10"	4'0"	3'10"	4'6"	3'11"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1856	1872	1889	1905	1957	2254	1899
		ft/in	6'1"	6'1"	6'2"	6'2"	6'5"	7'4"	6'2"
	Reach: Level Arm, Level Bucket	mm	2535	2614	2684	2746	2612	2645	2717
		ft/in	8'3"	8'6"	8'9"	9'0"	8'6"	8'8"	8'10"
16	Dig Depth	mm	273	273	273	272	272	272	272
		in	10.8"	10.8"	10.8"	10.7"	10.7"	10.7"	10.7"
5	Length: Overall	mm	6883	6962	7032	7093	6959	6992	7064
		ft/in	22'6"	22'10"	23'0"	23'3"	22'9"	22'11"	23'2"
13	Height: Overall	mm	4980	5048	5119	5199	5056	5078	5164
		ft/in	16'4"	16'6"	16'9"	17'0"	16'7"	16'7"	16'11"
19	Turning Radius: Bucket at Carry	mm	5458	5484	5507	5528	5484	5495	5519
		ft/in	17'10"	17'11"	18'0"	18'1"	17'11"	18'0"	18'1"
	Tipping Load – Straight, ISO 14397-1*	kg	5392	5330	5263	5185	5232	5209	5144
		lb	11,883	11,746	11,600	11,428	11,531	11,481	11,337
	Tipping Load – Straight, Rigid Tire**	kg	5616	5552	5483	5401	5450	5426	5358
		lb	12,378	12,235	12,084	11,904	12,011	11,959	11,809
	Tipping Load – Full Turn, ISO 14397-1*	kg	4524	4466	4404	4330	4370	4349	4288
		lb	9,970	9,842	9,705	9,542	9,632	9,585	9,451
	Tipping Load – Full Turn, Rigid Tire**	kg	4812	4751	4685	4606	4633	4610	4545
		lb	10,606	10,470	10,325	10,151	10,210	10,160	10,018
	Breakout Force	kgf	7633	7022	6464	6127	7465	7182	6635
		lbf	16,823	15,477	14,246	13,502	16,452	15,828	14,623
	Operating Weight	kg	9078	9116	9150	9205	9197	9212	9253
		lb	20,006	20,091	20,167	20,286	20,269	20,302	20,392

*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 914M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 15.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

918M Operating Specifications with Buckets

			Standard Lift – General Purpose						
			 Pin On			 IT			
	Rated Capacity 100% (including BOCE)	m^3	1.6	1.8	1.9	1.5	1.6	1.7	1.9
		yd^3	2.1	2.4	2.5	2.0	2.1	2.2	2.5
	Rated Capacity 110% (including BOCE)	m^3	1.7	1.9	2.0	1.6	1.7	1.8	2.0
		yd^3	2.2	2.5	2.6	2.1	2.2	2.4	2.6
	Struck Capacity	m^3	1.45	1.65	1.75	1.35	1.45	1.55	1.75
		yd^3	1.9	2.2	2.3	1.8	1.9	2.0	2.3
17	Width: Bucket	mm	2401	2401	2401	2401	2401	2401	2401
		ft/in	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"
	Nominal Material Density, 100% Fill Factor	kg/m^3	1937	1701	1603	1954	1822	1704	1497
		lb/yd^3	3,252	2,812	2,685	3,230	3,059	2,901	2,508
	Nominal Material Density, 110% Fill Factor	kg/m^3	1823	1612	1523	1832	1715	1609	1422
		lb/yd^3	3,303	2,872	2,746	3,273	3,106	2,829	2,566
9	Clearance: Full Lift, 45° Dump	mm	2937	2882	2857	2891	2865	2838	2780
		ft/in	9'7"	9'5"	9'4"	9'5"	9'4"	9'3"	9'1"
14	Reach: Full Lift, 45° Dump	mm	833	881	902	889	911	933	966
		ft/in	2'8"	2'10"	2'11"	2'11"	2'11"	3'0"	3'2"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1473	1493	1500	1506	1514	1521	1521
		ft/in	4'9"	4'10"	4'11"	4'11"	4'11"	4'11"	4'11"
	Reach: Level Arm, Level Bucket	mm	2169	2242	2276	2239	2274	2310	2378
		ft/in	7'1"	7'4"	7'5"	7'4"	7'5"	7'6"	7'9"
16	Dig Depth	mm	60	60	60	61	61	61	60
		in	2.4"	2.4"	2.4"	2.4"	2.4"	2.4"	2.4"
5	Length: Overall	mm	6510	6583	6617	6581	6615	6652	6719
		ft/in	21'4"	21'7"	21'8"	21'7"	21'8"	21'9"	22'0"
13	Height: Overall	mm	4737	4825	4859	4790	4797	4847	4928
		ft/in	15'6"	15'9"	15'11"	15'8"	15'8"	15'10"	16'1"
19	Turning Radius: Bucket at Carry	mm	5368	5390	5400	5389	5399	5410	5434
		ft/in	17'7"	17'8"	17'8"	17'8"	17'8"	17'8"	17'9"
	Tipping Load – Straight, ISO 14397-1*	kg	7310	7229	7192	6939	6903	6862	6749
		lb	16,111	15,932	15,851	15,293	15,213	15,123	14,874
	Tipping Load – Straight, Rigid Tire**	kg	7615	7530	7492	7228	7190	7148	7030
		lb	16,783	16,596	16,512	15,930	15,847	15,753	15,493
	Tipping Load – Full Turn, ISO 14397-1*	kg	6198	6124	6091	5863	5830	5792	5690
		lb	13,660	13,497	13,423	12,921	12,848	12,766	12,540
	Tipping Load – Full Turn, Rigid Tire**	kg	6594	6515	6479	6237	6202	6162	6053
		lb	14,532	14,358	14,280	13,746	13,668	13,581	13,341
	Breakout Force	kgf	9873	9111	8797	9113	8793	8478	7871
		lbf	21,760	20,081	19,388	20,085	19,378	18,685	17,348
	Operating Weight	kg	9267	9302	9318	9455	9471	9489	9543
		lb	20,424	20,502	20,537	20,839	20,874	20,914	21,032

*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 918M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 17.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

Bucket Specifications

918M Operating Specifications with Buckets

			Standard Lift – General Purpose					
			 ISO 23727			 ISO Flat Floor		
	Rated Capacity 100% (including BOCE)	m^3	1.5	1.7	1.9	1.5	1.6	1.8
		yd^3	2.0	2.2	2.5	2.0	2.1	2.4
	Rated Capacity 110% (including BOCE)	m^3	1.6	1.8	2.0	1.6	1.7	1.9
		yd^3	2.1	2.4	2.6	2.1	2.2	2.5
	Struck Capacity	m^3	1.35	1.55	1.75	1.0	1.1	1.2
		yd^3	1.8	2.0	2.3	1.3	1.4	1.6
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, 100% Fill Factor	kg/m^3	1910	1661	1464	1837	1710	1491
		lb/yd^3	3,158	2,830	2,452	3,037	2,870	2,464
	Nominal Material Density, 110% Fill Factor	kg/m^3	1791	1569	1391	1722	1609	1412
		lb/yd^3	3,199	2,759	2,508	3,065	2,905	2,508
9	Clearance: Full Lift, 45° Dump	mm	2854	2800	2754	2024	2209	1896
		ft/in	9'4"	9'2"	9'0"	6'7"	7'2"	6'2"
14	Reach: Full Lift, 45° Dump	mm	931	974	1013	1553	1774	1556
		ft/in	3'0"	3'2"	3'3"	5'1"	5'9"	5'1"
	Reach: 2130 mm (7'0") Clearance, 45° Dump	mm	1528	1541	1553	1498	1811	1427
		ft/in	5'0"	5'0"	5'1"	4'10"	5'11"	4'8"
	Reach: Level Arm, Level Bucket	mm	2295	2366	2428	2190	2223	2295
		ft/in	7'6"	7'9"	7'11"	7'2"	7'3"	7'6"
16	Dig Depth	mm	61	61	60	378	378	378
		in	2.4"	2.4"	2.4"	14.9"	14.9"	14.9"
5	Length: Overall	mm	6637	6708	6768	6491	6524	6596
		ft/in	21'9"	22'0"	22'2"	21'3"	21'4"	21'7"
13	Height: Overall	mm	4811	4882	4962	3939	3961	4047
		ft/in	15'9"	16'0"	16'3"	12'11"	12'11"	13'3"
19	Turning Radius: Bucket at Carry	mm	5404	5425	5445	5437	5450	5479
		ft/in	17'8"	17'9"	17'10"	17'10"	17'10"	17'11"
	Tipping Load – Straight, ISO 14397-1*	kg	6788	6700	6607	6540	6494	6379
		lb	14,961	14,766	14,561	14,413	14,313	14,060
	Tipping Load – Straight, Rigid Tire**	kg	7071	6979	6882	6812	6765	6645
		lb	15,584	15,381	15,168	15,013	14,910	14,646
	Tipping Load – Full Turn, ISO 14397-1*	kg	5731	5649	5563	5511	5470	5367
		lb	12,630	12,450	12,259	12,146	12,056	11,829
	Tipping Load – Full Turn, Rigid Tire**	kg	6096	6010	5918	5842	5799	5689
		lb	13,436	13,244	13,042	12,874	12,780	12,539
	Breakout Force	kgf	8586	7930	7513	8444	8170	7369
		lbf	18,923	17,478	16,559	18,609	18,006	16,242
	Operating Weight	kg	9477	9511	9565	9463	9478	9519
		lb	20,886	20,962	21,082	20,856	20,889	20,979

*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 918M configured with bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 17.5 R25 (L2) XTLA tires at a pressure of 4.14 bar (60 psi) in the front tires and 2.76 bar (40 psi) in the rear tires.

General Purpose Bucket Selection – Standard Lift

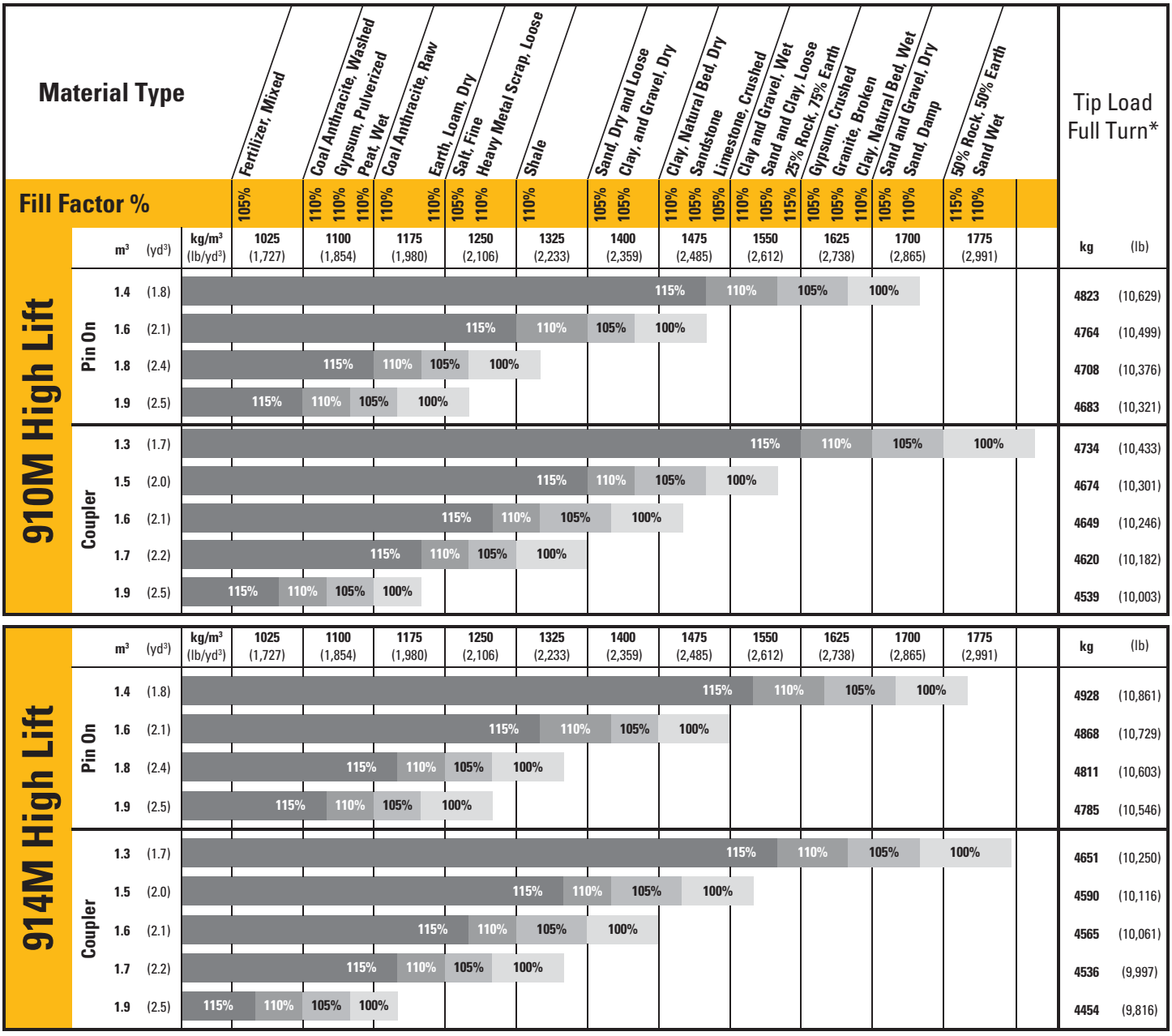
Material Type				Salt, Fine	Heavy Metal Scrap, Loose	Shale	Sand, Dry and Loose	Clay and Gravel, Dry	Clay, Natural Bed, Dry	Sandstone	Limestone, Crusher	Clay and Gravel, Wet	Sand and Clay, Loose	25% Rock, 75% Earth	Gypsum, Crushed	Granite, Broken	Clay, Natural Bed, Wet	Sand and Gravel, Dry	Sand, Damp	50% Rock, 50% Earth	Sand, Wet	Gravel, Pitrum	75% Rock, 25% Earth	Sand and Gravel, Wet	Tip Load Full Turn*	
Fill Factor %				105%	110%	110%	105%	105%	110%	105%	105%	110%	105%	115%	105%	105%	110%	105%	110%	115%	110%	110%	115%	110%		
		m³	(yd³)	kg/m³ (lb/yd³)		1250 (2,106)	1325 (2,233)	1400 (2,359)	1475 (2,485)	1550 (2,612)	1625 (2,738)	1700 (2,865)	1775 (2,991)	1850 (3,117)	1925 (3,244)	2000 (3,370)		kg	(lb)
910M	Pin On	1.4	(1.8)										115%	110%	105%	100%		5184	(11,425)
		1.6	(2.1)							115%	110%	105%	100%					5112	(11,266)
		1.8	(2.4)			115%	110%	105%	100%									5044	(11,116)
	Coupler	1.3	(1.7)								115%	110%	105%	100%				5099	(11,238)
		1.5	(2.0)					115%	110%	105%	100%							5027	(11,079)
		1.6	(2.1)			115%	110%	105%	100%									4996	(11,011)
914M	Pin On	1.4	(1.8)								115%	110%	105%	100%				5384	(11,866)
		1.6	(2.1)					115%	110%	105%	100%							5309	(11,701)
		1.8	(2.4)	115%	110%	105%	100%											5240	(11,548)
	Coupler	1.5	(2.0)						115%	110%	105%	100%						5219	(11,502)
		1.6	(2.1)				115%	110%	105%	100%								5187	(11,432)
		1.7	(2.2)		115%	110%	105%	100%										5152	(11,355)
918M	Pin On	1.6	(2.1)								115%	110%	105%	100%				6257	(13,790)
		1.8	(2.4)						115%	110%	105%	100%						6182	(13,625)
		1.9	(2.5)				115%	110%	105%	100%								6148	(13,550)
	Coupler	1.6	(2.1)							115%	110%	105%	100%					5883	(12,966)
		1.7	(2.2)						115%	110%	105%	100%						5845	(12,882)
		1.9	(2.5)		115%	110%	105%	100%										5741	(12,653)

Material density and fill factor 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 fill factor along the side for proper bucket sizing.

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

Bucket Selection Tables

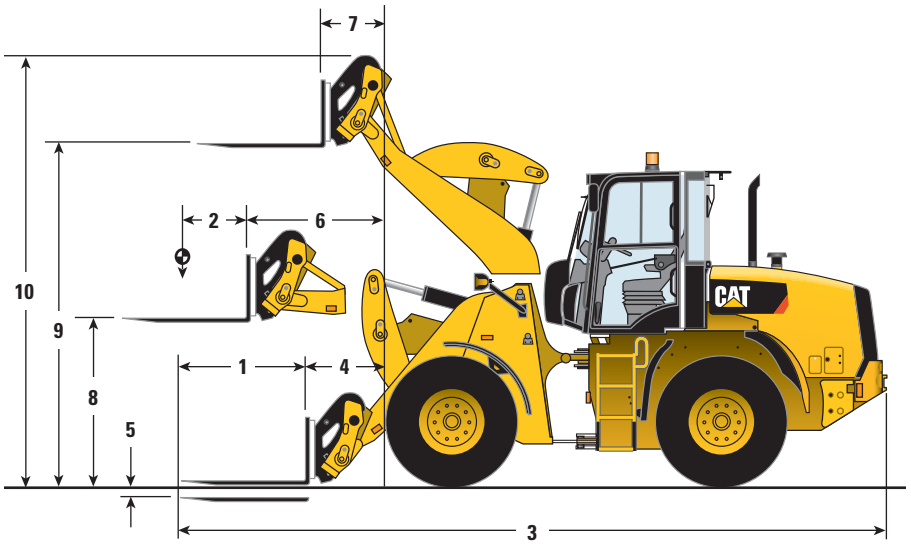
General Purpose Bucket Selection – High Lift

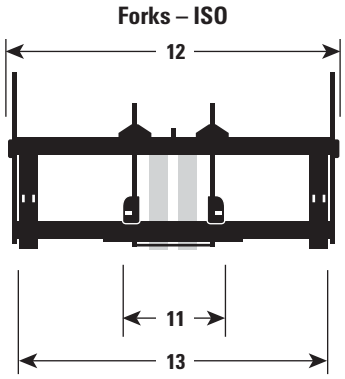


Material density and fill factor are key variables when choosing the appropriate size of the bucket. The long floor and open throat design of the Performance Series Buckets along with the aggressive rack angles of the optimized linkage will demonstrate fill factors greater than 100% ISO rated. Refer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

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

Operating Specifications with IT Forks





	Forks – Standard Lift IT						Forks – High Lift IT			
	910M		914M		918M		910M		914M	
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
1 Fork Tine Length	1200	3'11"	1200	3'11"	1200	3'11"	1200	3'11"	1200	3'11"
2 Load Center	600	1'11"	600	1'11"	600	1'11"	600	1'11"	600	1'11"
3 Length: Overall	6719	22'0"	6706	22'0"	6927	22'8"	7259	23'9"	7259	23'9"
4 Reach: Ground	693	2'3"	637	2'1"	744	2'5"	1233	4'0"	1189	3'10"
5 Dig Depth	78	3.1"	51	2"	23	0.9"	256	10.1"	235	9.2"
6 Reach: Level Arm	1354	4'5"	1324	4'4"	1421	4'7"	1769	5'9"	1739	5'8"
7 Reach: Full Lift	502	1'7"	472	1'6"	525	1'8"	722	2'4"	691	2'3"
8 Clearance: Level Arm	1640	5'4"	1689	5'6"	1698	5'6"	1640	5'4"	1689	5'6"
9 Clearance: Full Lift	3457	11'4"	3485	11'5"	3601	11'9"	3813	12'6"	3838	12'7"
10 Height: Overall	4443	14'6"	4472	14'8"	4588	15'0"	4800	15'8"	4825	15'9"
11 Minimum Fork Spacing	300	11"	300	11"	300	11"	300	11"	300	11"
12 Carriage Width	1550	5'1"	1550	5'1"	1550	5'1"	1550	5'1"	1550	5'1"
13 Maximum Fork Spacing	1526	5'0"	1526	5'0"	1526	5'0"	1526	5'0"	1526	5'0"
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Tipping Load – Straight, ISO 14397-1*	4652	10,252	4845	10,677	5471	12,058	4490	9,896	4022	8,865
Tipping Load – Full Turn, ISO 14397-1*	3947	8,699	4121	9,081	4722	10,406	3775	8,319	3401	7,496
Operating Weight	8155	17,974	8579	18,908	9314	20,528	8720	19,218	8633	19,027
Rated Load (% of Full Turn Tip):										
50% of Tip: SAE J1197**	1973	4,349	2060	4,540	2361	5,203	1887	4,159	1701	3,748
60% of Tip: Rough Terrain EN474-3**	2368	5,219	2472	5,449	2833	6,244	2265	4,991	2041	4,497
80% of Tip: Firm and Level EN474-3**	3158	6,959	3297	7,265	3777	8,325	3020	6,655	2721	5,996

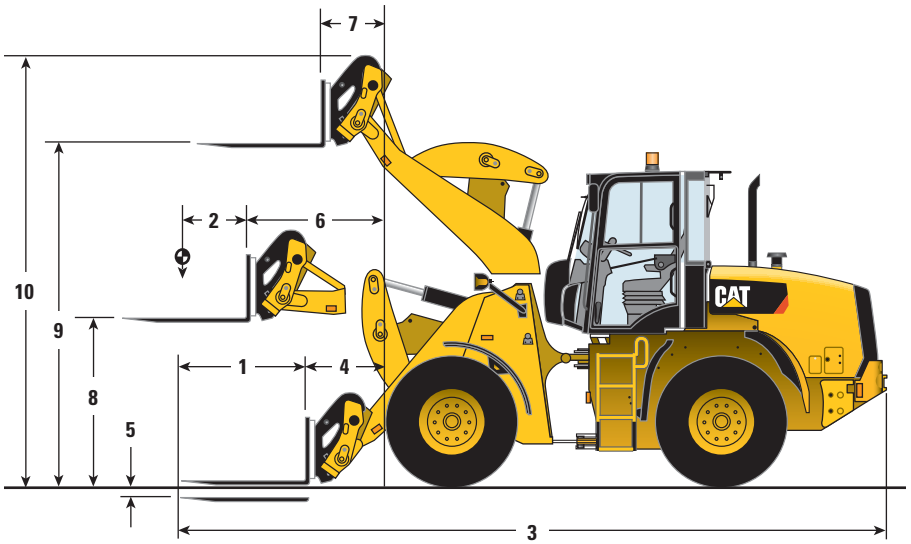
*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

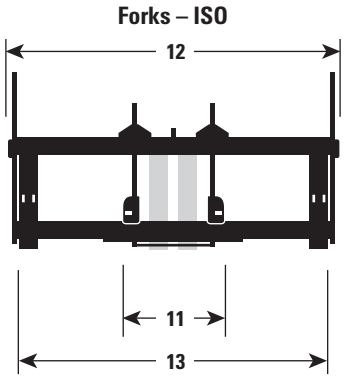
**Full compliance to EN474-3 and SAE J1197.

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

Operating Specifications

Operating Specifications with ISO Forks





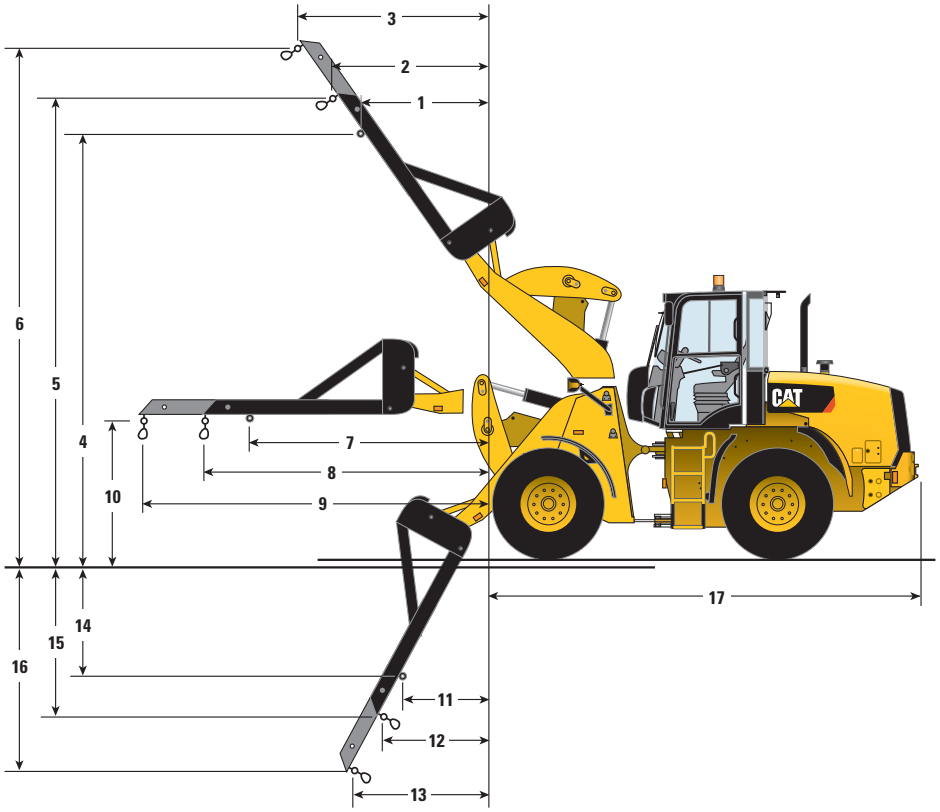
	Forks – Standard Lift ISO						Forks – High Lift ISO			
	910M		914M		918M		910M		914M	
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
1 Fork Tine Length	1200	3'11"	1200	3'11"	1200	3'11"	1200	3'11"	1200	3'11"
2 Load Center	600	1'11"	600	1'11"	600	1'11"	600	1'11"	600	1'11"
3 Length: Overall	6889	22'7"	6877	22'6"	7098	23'3"	7430	24'4"	7429	24'4"
4 Reach: Ground	863	2'9"	807	2'7"	915	3'0"	1404	4'7"	1360	4'5"
5 Dig Depth	78	3.1"	51	2"	23	0.9"	256	10.1"	235	9.2"
6 Reach: Level Arm	1525	5'0"	1494	4'10"	1592	5'2"	1940	6'4"	1909	6'3"
7 Reach: Full Lift	673	2'2"	643	2'1"	695	2'3"	892	2'11"	862	2'9"
8 Clearance: Level Arm	1640	5'4"	1688	5'6"	1698	5'6"	1640	5'4"	1688	5'6"
9 Clearance: Full Lift	3457	11'4"	3485	11'5"	3601	11'9"	3813	12'6"	3838	12'7"
10 Height: Overall	4401	14'5"	4429	14'6"	4545	14'10"	4757	15'7"	4782	15'8"
11 Minimum Fork Spacing	300	11"	300	11"	300	11"	300	11"	300	11"
12 Carriage Width	1550	5'1"	1550	5'1"	1550	5'1"	1550	5'1"	1550	5'1"
13 Maximum Fork Spacing	1526	5'0"	1526	5'0"	1526	5'0"	1526	5'0"	1526	5'0"
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Tipping Load – Straight, ISO 14397-1*	4332	9,548	4515	9,951	5114	11,271	4221	9,303	3780	8,330
Tipping Load – Full Turn, ISO 14397-1*	3672	8,092	3837	8,455	4410	9,719	3545	7,812	3192	7,035
Operating Weight	8158	17,980	8582	18,913	9317	20,533	8722	19,223	8636	19,033
Rated Load (% of Full Turn Tip):										
50% of Tip: SAE J1197**	1836	4,046	1918	4,227	2205	4,859	1772	3,906	1596	3,517
60% of Tip: Rough Terrain EN474-3**	2203	4,855	2302	5,073	2646	5,831	2127	4,687	1915	4,221
80% of Tip: Firm and Level EN474-3**	2938	6,474	3069	6,764	3528	7,775	2836	6,250	2554	5,628

*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 ISO work tool, 80 kg (176 lb) operator and Michelin 17.5 R25 (L2) XTLA tires.

Operating Specifications with IT Material Handling Arm



IT Material Handling Arm – Standard Lift

	910M		914M		918M	
1	1246	4'1"	1213	3'11"	1336	4'4"
2	1705	5'7"	1673	5'5"	1828	5'11"
3	2165	7'1"	2133	6'11"	2321	7'7"
4	5495	18'0"	5510	18'0"	5600	18'4"
5	6382	20'11"	6390	20'11"	6469	21'2"
6	7270	23'10"	7271	23'10"	7339	24'0"
7	3161	10'4"	3129	10'3"	3229	10'7"
8	4160	13'7"	4128	13'6"	4227	13'10"
9	5160	16'11"	5128	16'9"	5227	17'1"

	910M		914M		918M	
10	1784	5'10"	1832	6'0"	1842	6'0"
11	1415	4'7"	1383	4'6"	1611	5'3"
12	1962	6'5"	1930	6'3"	2198	7'2"
13	2510	8'2"	2478	8'1"	2787	9'1"
14	1649	5'4"	1637	5'4"	1538	5'0"
15	2485	8'1"	2479	8'1"	2345	7'8"
16	3321	10'10"	3323	10'10"	3154	10'4"
17	4826	15'10"	4868	15'11"	4983	16'4"

	910M		914M		918M	
Operating Weight	8124 kg	17,905 lb	8548 kg	18,838 lb	9283 kg	20,458 lb
Rated Load* (50% of Full Turn Tip** SAE J1197)						
Minimum Extension (7)	1320 kg	2,910 lb	1383 kg	3,047 lb	1605 kg	3,536 lb
Middle Extension (8)	1034 kg	2,279 lb	1085 kg	2,390 lb	1266 kg	2,790 lb
Maximum Extension (9)	851 kg	1,876 lb	894 kg	1,969 lb	1047 kg	2,308 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 17.5 R25 (L2) XTLA tires.

910M, 914M, 918M Standard Equipment

Standard Equipment

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

POWER TRAIN

- Cat C4.4 ACERT engine:
  - Common rail fuel injection
  - Tier 4 Final/Stage IV
- Caterpillar NO_X reduction system
- Fuel: Ultra Low Sulphur Diesel @ <15 ppm EPA/<10 ppm EU
- Engine oil: CJ-4
- Electric fuel pump with 4 micron filtration
- S·O·S℠ port, transmission oil
- Hydrostatic transmission, 20 km/h (12.5 mph)
- Lube for life universal joints
- Forward – Neutral – Reverse on joystick
- 100% locking differentials
- Air cleaner, radial seal, dual filters
- Cooling fan, on demand
- Tires 17.5-25 12PR (914M and 918M only)
- Tires 15.5-25 12PR (910M only)
- Integrated cyclone precleaner

LOADER END

- Parallel lift, optimized Z-bar loader

REGIONAL STANDARDS (as required)

- Back-up alarm
- Chocks, bucket tooth or edge
- Decals, roading speed
- Beacon
- Reflectors, roading
- Camera, rearview

HYDRAULICS

- Two valve, single lever joystick
- Diagnostic pressure taps
- S·O·S port, hydraulic oil
- Variable displacement piston pump (914M and 918M only)
- Gear pump (910M only)
- Cylinder damping at kickout and end stops (918M only)

ELECTRICAL

- 150 amp alternator
- Single 850 CCA maintenance free battery
- Roading lights
- Battery disconnect switch

FLUIDS

- Extended life coolant antifreeze, protected to –36° C (–33° F)
- Cat Advanced HYDO™ 10 hydraulic oil

CHASSIS

- Front fender and rear platform
- Lockable engine enclosure
- Recovery hitch
- Vandalism protection – locked service points

OPERATOR ENVIRONMENT

- ROPS/FOPS protection
- Implement lockout
- Electro-hydraulic implement controls
- Gauges:
  - Engine coolant temperature
  - Hydraulic oil temperature
  - Fuel level
  - Speedometer
  - Digital hour meter
  - 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:
  - Fabric or vinyl
  - Adjustable height, backrest, armrest
- Heater/defroster
- Tinted front glass, laminated
- Adjustable steering column
- Rear window defrost
- Lockable storage box
- Internal 12V power source
- External 12V power source

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

- Axle oscillation limiter
- Secondary steering
- Sound suppression, EU Prep Package
- Extreme temperature engine coolant
- High speed option 40 km/h (25 mph)
- Tire options:
  - Bias ply, 15.5, 17.5-25
  - Radial, 15.5, 17.5 R25
  - Flexport™

LOADER END

- Integrated toolcarrier coupler
- Linkage, high lift (910M and 914M only)
- Wide (ISO) coupler

HYDRAULICS

- Three valve auxiliary
- Four valve auxiliary
- High flow (914M and 918M only)
- Screw to Connect Hydraulic Work Tool Connectors
- Push to Connect Hydraulic Work Tool Connectors

ELECTRICAL

- Engine coolant heater (120V or 240V)
- Halogen lights, front and rear
- LED work lights, front and rear
- Heavy duty battery package
- Work tool wiring harness

FLUIDS

- Biodegradable hydraulic oil
- Cold weather fuel

CHASSIS

- License plate holder
- Lockable toolbox
- Front and rear mud flaps
- Rear fenders

OPERATOR ENVIRONMENT

- ROPS/FOPS canopy or cab
- Premium heated, air suspension seat
- Heater and air conditioner
- Feature Package: Road/Load/Road & Load
- Dependent on package selection, features included are:
  - Adjustable Rimpull
  - Ride Control
  - Adjustable Ground Speed Control
  - Implement Modulation
  - Hystat Aggressiveness
  - Throttle Lock and Adjust
  - Automatic Loader lift and bucket kickouts adjustable in cab
- Cat radio
- Rear blind
- Security system
- Retractable seat belt 75 mm (3")
- Rearview camera and screen (standard in EU)
- Product Link

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

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