

# 926M, 930M, 938M

## Wheel Loaders



	926M	930M	938M
<b>Engine Model</b>	Cat® C7.1 ACERT™*	Cat C7.1 ACERT**	Cat C7.1 ACERT**
<b>Maximum Rated Gross Power:</b>			
ISO 14396	114 kW (153 hp)	125 kW (168 hp)	140 kW (188 hp)
ISO 14396 (DIN)	116 kW (155 hp)	127 kW (170 hp)	142 kW (190 hp)
<b>Bucket Capacity</b>	1.9-5.0 m <sup>3</sup> (2.5-6.5 yd <sup>3</sup> )	2.1-5.0 m <sup>3</sup> (2.7-6.5 yd <sup>3</sup> )	2.5-5.0 m <sup>3</sup> (3.3-6.5 yd <sup>3</sup> )
<b>Full Turn Tip Load***</b>	7415 kg (16,346 lb) 7870 kg (17,350 lb)^	8811 kg (19,424 lb) 9255 kg (20,403 lb)^	9949 kg (21,934 lb) 10 399 kg (22,926 lb)^
<b>Operating Weight***</b>	12 944 kg (28,535 lb) 13 270 kg (29,256 lb)~	14 235 kg (31,382 lb) 14 562 kg (32,103 lb)~	16 229 kg (35,778 lb) 16 997 kg (37,473 lb)~

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

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

\*\*\*General machine configuration.

^General machine equipped with aggregate counterweight, side guards and roading fenders.

~General machine equipped with 23.5 R25 tires, side guards and roading fenders.



# Making Your Choice Easy

## Efficiently Powerful

Experience Hybrid like fuel efficiency with an intelligent hydrostatic power train and industry leading fuel efficiency. For your toughest and most demanding applications a new Performance Mode will boost the power and hydraulic speed.

## Work Made Easy

Move more with Caterpillar's patented quick loading Performance Series buckets and optimized Z-bar linkage, which has been enhanced to maximize forward visibility. The parallel lift and high tilt forces allow you to safely handle loads. Multi-function work has never been easier with dedicated pumps and a flow sharing implement valve.

## Enjoy All Day Comfort

Have a seat in the M Series Small Wheel Loader and enjoy whisper quiet sound levels, all around visibility and seat mounted joystick controls. The large spacious cab combined with Caterpillar's class leading hydraulic cylinder damping make this the most comfortable seat on your job site.

## Customize Your Experience

Meet your application requirements and individual preferences with Caterpillar's industry first Power Train Modes. Fine tune machine performance with adjustments at your fingertips through soft touch buttons and secondary display.

## Configured for Success

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

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Environmental and customer friendly – up to 95% recyclable content by weight





**The Cat 926M, 930M and 938M Small 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 tool carrier. A high torque, low speed C7.1 ACERT engine works in concert with an intelligent hystat power train to deliver fuel efficiency as standard. Meets Tier 4 Final/Stage V emission standards with an environmentally friendly, Clean Emission Module 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.

## Power on Demand

A choice of Power Modes allows you to choose between maximum fuel efficiency or boosted power along with hydraulic speed.



## Standard Power Mode

- Saves up to 10% fuel compared to K Series Cat loader.
- Reduces cab sound levels down to a whisper quiet 64 dB(A) typical.
- Improved 930M standard power mode comes with a 5% horsepower boost when compared to earlier M Series models.
- Biggest gains seen during load and carry, snow removal and roading applications.

## Performance Power Mode

- Enabled at the push of a button (HP+).
- Boosts engine power by up to 10% and engine speed by over 12%.
- Increases hydraulic cycle times and productivity.

## Six Cylinders of Efficient Power

The Cat C7.1 ACERT engine provides cleaner, quieter operation while delivering superior performance and durability through a high torque, low speed design, with a Clean Emissions Module that is designed to manage itself so you can concentrate on your work.

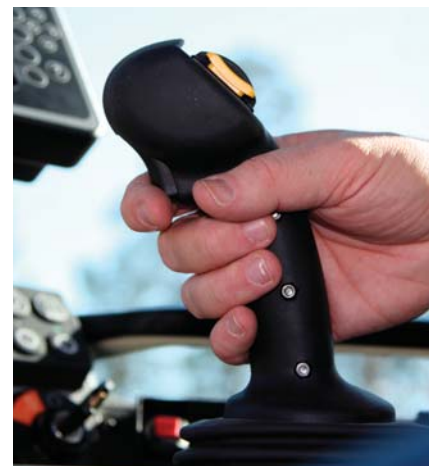
- **No downtime for regeneration** with a passive low temperature system that keeps you on the job.
- **Fit for Life Diesel Particulate Filter (DPF)** that is designed to exceed the engine overhaul life.
- **Extended fluid fill intervals** with minimal use of Diesel Exhaust Fluid (DEF) also referred to as Adblue™ with an average of four 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 differential axle that can be engaged on the move at full torque with a pull of the seat mounted joystick trigger. Maximize your traction with optional Limited Slip Differential on the rear axle to keep you climbing.

Independent service brakes on front and rear axles provide robust stopping performance while a push button electronic 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 tool carrier capabilities for great performance and versatility.

- **Perfect Parallelism** functionality available in Fork Mode gives truly predictable performance while high tilt forces throughout the working range help you safely and confidently handle loads with precise control.
- **Visibility** has been maximized with the introduction of Gen III lift arms which bring a cast torque tube resulting in class leading front visibility when combined with the new cast couplers.\*
- **Lift higher and reach further** with optional High Lift linkage available on all three models, 938M when configured with optional 23.5 tires offers class leading lift height.
- **Enhanced coupler options**, new ISO or Fusion Cast Couplers offer improved visibility of up to 100% when compared with previous plate style couplers.

*\*New lift arms only available on standard lift 930M and 983M.*



## Quick Loading Performance Series Buckets

Performance Series Buckets deliver up to 10% higher fill factors compared to previous models, 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. This optimized shape is echoed across the General Purpose, Light Material and High Dump bucket families.



## 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 2nd pump for the implements, and a 3rd 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** are easy to set on the go for tilt, lower and lift. This feature is ideal for applications where the work cycle is repeatable, allowing you to quickly return to programmed set points and to significantly reduce operator fatigue and work tool or cutting edge wear.
- **Fine tune hydro-mechanical performance** with fully adjustable 3rd and 4th function flow through the secondary display (when equipped) for a perfect marriage between machine and work tool.





# Enjoy All Day Comfort

Best seat on your job site.



## Have a Seat and Experience:

- **Seat-mounted 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 single piece front windshield, new parabolic external mirrors, redesigned Generation III linkage and clean hydraulic lines routing.
- **Automatic climate control** with heated rear glass and external mirrors for a quick defrost.
- **Fully adjustable controls** including steering column, joystick and seat suspension.
- **Information at a glance** with large primary LCD display and optional full color touch screen display.
- **An extra eye on the job site** with optional integrated rear object detection and optional\* camera systems.
- **A heated and cooled seat** option for added comfort in a wide range of climates.
- **New seat fabric** and latest generation seat cushions provide all day comfort.

*\*Rear camera standard in Europe; Front camera may be required for local EU requirements. Consult your local Cat Dealer for additional information.*





### Enjoy coming to work with:

- **A spacious, safe, quiet operator environment** featuring ergonomic controls, seat belt notification and optional bluetooth radio with integrated microphone plus multiple USB charging ports and AUX audio connectors.
- **Easy access to vital machine parameters** with the optional\* secondary display that works in conjunction with the standard soft touch panel to allow real time adjustments to machine features and an integrated help button with over 25 languages.
- **Comfortable soft stops at cylinder end stroke** conditions and programmed kick-out points with Caterpillar's advanced 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 that includes engine and DEF compartment lighting to illuminate the way for checking oil and coolant level, along with re-fueling the machine in dark conditions.
- **On board operator coaching** via help button on the optional secondary display.



*\*Standard in Europe*





# Customize Your Experience

Make it yours.

Work as one with your machine by customizing controls.

## 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 Power Train Mode:**

- Torque Converter (TC) for smooth rollout.
- Hystat for aggressive hydraulic braking.
- Ice to maximize control on snow and ice, regardless of tire type.
- Default blends the best of Hystat and Torque Converter characteristic.

- **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.
- **Set Directional Shift Response**, soft and smooth for material handling applications or sharp for aggressive operation.



## Adjustable Electro-Hydraulic Controls

Easily customize hydraulic performance to meet your needs.

- **Optimize hydraulic modulation** with Fine Mode control when working with forks, material handling arms, and large tools.
- **Quicker hydraulic response** for fine grading at speed and agriculture applications through Lift and Tilt response settings.
- **Fully adjustable ride control** activation speed along with 3rd and 4th function auxiliary flows.

## Operator Profiles and Coded Start

- The M Series Wheel Loaders will remember you and your personal settings with unique operator codes to make this machine truly yours and keep it secure.

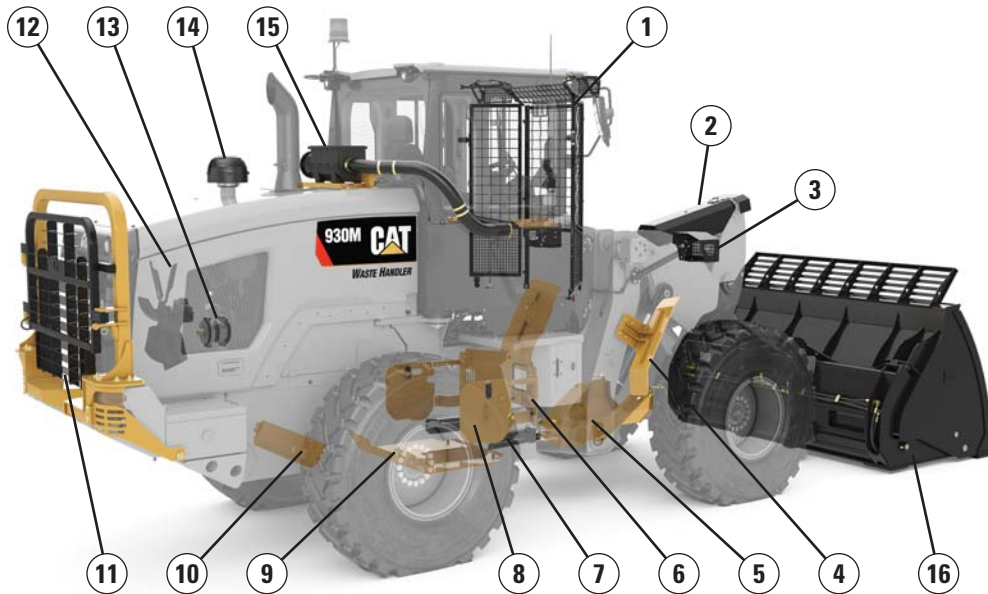


# Configured for Success

## Ready to work for you.

### The Way You Want It

A complete range of optional equipment and work tools give you the versatility to configure an M Series wheel loader to be successful in your business. Get with your Cat dealer to configure yours.



### Guards:

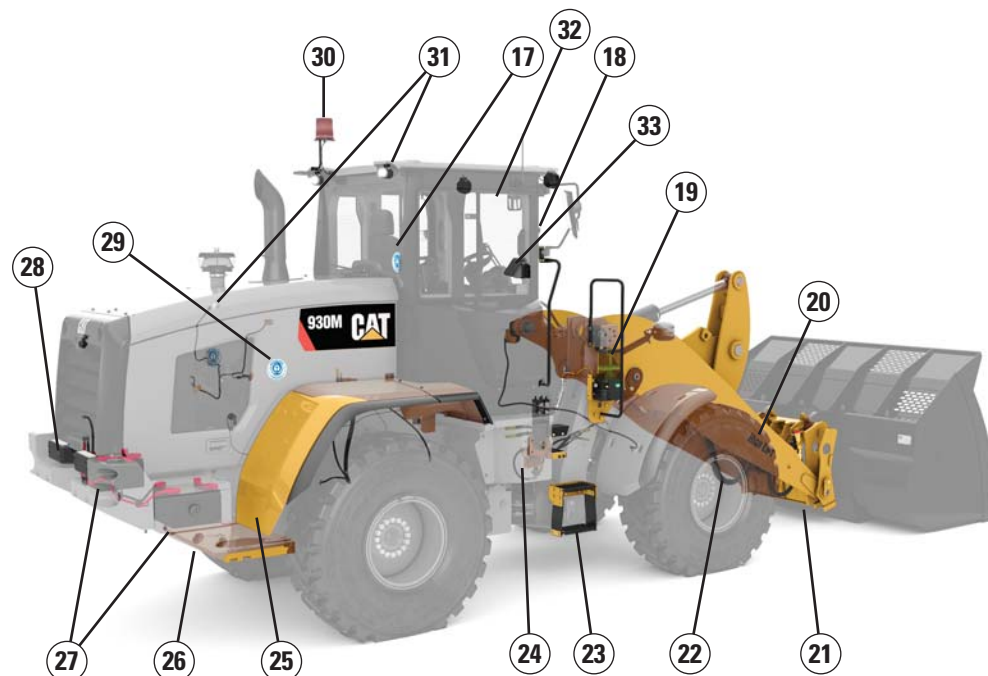
- 1) Windshield
- 2) Tilt cylinder
- 3) Lights
- 4) Fender deflectors
- 5) Drive shaft
- 6) Hitch
- 7) Steering cylinders
- 8) Side power train
- 9) Lower power train
- 10) Crank case
- 11) Rear radiator (930M and 938M only)

### Debris Packages:

- 12) Reversing fan
- 13) Sealed alternator
- 14) Turbine precleaner
- 15) RESPA precleaner

### Work Tools:

- 16) Full range of attachments



### Operator Environment:

- 17) Seat, deluxe or premium
- 18) Deluxe cab (with touch screen display)

### Other Options:

- 19) Autolube
- 20) High lift linkage
- 21) Coupler: Fusion™ and ISO 23727
- 22) Auxiliary hydraulics: 3rd and 4th
- 23) Window washing access
- 24) Ride control
- 25) Fenders: extended and full coverage
- 26) Counterweights
- 27) Cold start package
- 28) Rear object detection
- 29) Blue Angel certification
- 30) Beacon
- 31) LED auxiliary lights
- 32) CPM – Cat Production Measurement
- 33) TPM – Tire Pressure Monitoring



# Service

Schedule your downtime to maximize your up time.

Get up and running quickly with ground level, daily service access and optional engine compartment lighting. 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™ PRO standard** with optional subscription to VisionLink®.
- **Maintenance reminders** through secondary display at scheduled intervals.
- **Fit for Life Diesel Particulate Filter** that is designed to exceed the engine overhaul life.
- **Quick fuel filter service** with Caterpillar's exclusive electric fuel priming pump.
- **Jump start studs** as standard equipment.
- **Extended cleanouts** with single plane cooling system and wide spaced 6 fins per inch coolers as standard.
- **Integrated Autolube** (optional) with adjustable greasing frequency.

## 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 Small Wheel Loader and join the Caterpillar family.





# 926M, 930M, 938M Wheel Loader Specifications

## Engine

Power Mode	926M				930M				938M			
	Cat C7.1 ACERT**				Cat C7.1 ACERT***				Cat C7.1 ACERT***			
	Performance (HP+) Range 1-4		Standard Range 1-3*		Performance (HP+) Range 1-4		Standard Range 1-3*		Performance (HP+) Range 1-4		Standard Range 1-3*	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
Maximum Rated Gross Power	1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm	
Maximum Engine Speed	114	153	109	146	125	168	119	160	140	188	129	173
ISO 14396	116	155	110	148	127	170	121	162	142	190	131	176
ISO 14396 (DIN)	1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm	
Rated Net Power	110	148	105	141	122	163	116	156	137	183	127	170
SAE J1349 at Minimum Fan Speed	111	149	106	142	122	164	116	156	137	184	127	170
ISO 9249 at Minimum Fan Speed	113	151	106	144	124	166	118	158	139	186	128	172
ISO 9249 (DIN) at Minimum Fan Speed	1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm	
Maximum Gross Torque	N-m	lbf-ft	N-m	lbf-ft	N-m	lbf-ft	N-m	lbf-ft	N-m	lbf-ft	N-m	lbf-ft
ISO 14396	721	531	721	531	804	592	804	592	879	648	879	648
Maximum Net Torque	SAE J1349		ISO 9249:2007		SAE J1349		ISO 9249:2007		SAE J1349		ISO 9249:2007	
	694	511	694	511	768	566	768	566	843	621	843	621
	702	517	702	517	776	572	776	572	852	628	852	628
Displacement	427 in <sup>3</sup>		7.01 L		427 in <sup>3</sup>		7.01 L		427 in <sup>3</sup>		7.01 L	
Bore	4 in		105 mm		4 in		105 mm		4 in		105 mm	
Stroke	5 in		135 mm		5 in		135 mm		5 in		135 mm	

\*Range 4 power and torque is equal to Performance Mode with Caterpillar Power by Range technology.

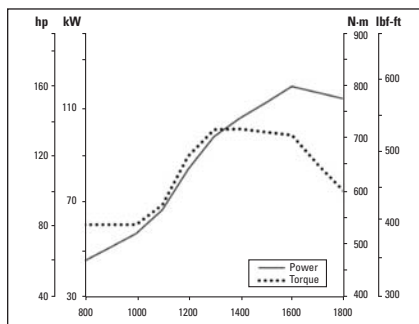
\*\*The Cat C7.1 ACERT engine meets Tier 4 Final/Stage IV off-highway emission standards.

\*\*\*The Cat C7.1 ACERT engine meets Tier 4 Final/Stage V off-highway emission standards.

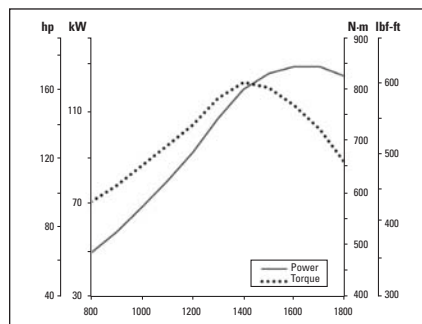
- Net power ratings are tested at the reference conditions for the specified standard and denote power available at the flywheel when the engine is equipped with alternator, air cleaner, emission components and fan at specified speed.
- No derating required up to 3000 m (10,000 ft) altitude. Auto derate protects hydraulic and transmission systems.

## Engine Torque

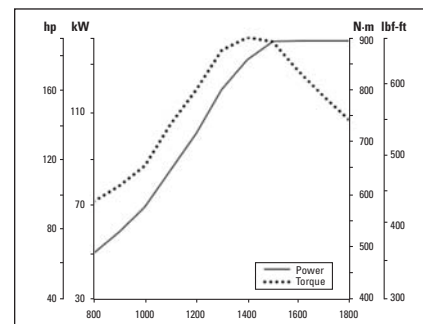
926M



930M



938M



## Cab



- ROPS: ISO 3471: 2008, FOPS: ISO 3449: 2005 LEVEL II
- Declared sound levels per ISO 6396:2008\* while in Performance Power Mode:
  - Standard cab: 68 ±3 dB(A) and Deluxe cab

\* Measurements were conducted with cab doors and windows closed and at 70% of maximum engine cooling fan speed. Sound level may vary at different engine cooling fan speeds.

# 926M, 930M, 938M Wheel Loader Specifications

## Loader Hydraulic System



- Implement system uses a dedicated load sensing variable displacement pump with dual double acting lift cylinders and a single double acting tilt cylinder.
- Flow values listed are for a machine running in Performance Power Mode (1,800 rpm).

\* 3rd and 4th function flow is fully adjustable from 20% to 100% of maximum flow through the secondary display when equipped.

	926M		930M		938M	
Maximum Flow – Implement Pump	150 L/min	40 gal/min	190 L/min	50 gal/min	190 L/min	50 gal/min
3rd Function Maximum Flow*	150 L/min	40 gal/min	190 L/min	50 gal/min	190 L/min	50 gal/min
4th Function Maximum Flow*	150 L/min	40 gal/min	160 L/min	42 gal/min	160 L/min	42 gal/min
Maximum Working Pressure – Implement Pump	26 000 kPa	3,771 psi	26 000 kPa	3,771 psi	28 000 kPa	4,061 psi
Relief Pressure – Tilt Cylinder	28 000 kPa	4,061 psi	28 000 kPa	4,061 psi	30 000 kPa	4,351 psi
3rd and 4th Function Maximum Working Pressure	26 000 kPa	3,771 psi	26 000 kPa	3,771 psi	28 000 kPa	4,061 psi
3rd and 4th Function Relief Pressure	28 000 kPa	4,061 psi	28 000 kPa	4,061 psi	30 000 kPa	4,351 psi
Lift Cylinder: Double Acting						
Bore Diameter	110 mm	4.3 in	120 mm	4.7 in	120 mm	4.7 in
Rod Diameter	60 mm	2.4 in	65 mm	2.6 in	65 mm	2.6 in
Stroke	728 mm	28.7 in	728 mm	28.7 in	789 mm	31.1 in
Tilt Cylinder: Double Acting						
Bore Diameter	130 mm	5.1 in	150 mm	5.9 in	150 mm	5.9 in
Rod Diameter	70 mm	2.8 in	90 mm	3.5 in	90 mm	3.5 in
Stroke	555 mm	21.9 in	555 mm	21.9 in	555 mm	21.9 in
Cycle Times: Performance (HP+) at 1,800 rpm/ Standard Power Mode at 1,600 rpm						
Raise (Ground Level to Maximum Lift)	5.5/6.2 seconds		5.1/5.7 seconds		5.5/6.2 seconds	
Dump (at Maximum Lift Height)	1.5/1.7 seconds		1.5/1.7 seconds		1.5/1.7 seconds	
Float Down (Maximum Lift to Ground Level)	2.6/2.6 seconds		2.7/2.7 seconds		2.7/2.7 seconds	
Total Cycle Time	9.6/10.5 seconds		9.3/10.1 seconds		9.7/10.6 seconds	

## Steering



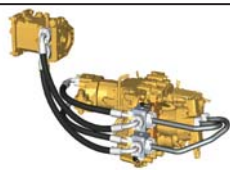
- Steering system uses a dedicated load sensing variable displacement pump with dual double acting cylinders.
- Flow values listed are for a machine running in Performance Power Mode (1,800 rpm).

	926M		930M		938M	
Steering Cylinder: Double Acting						
Bore Diameter	70 mm	2.8 in	70 mm	2.8 in	80 mm	3.1 in
Rod Diameter	40 mm	1.6 in	40 mm	1.6 in	50 mm	2 in
Stroke	438 mm	17.2 in	438 mm	17.2 in	399 mm	15.7 in
Maximum Flow – Steering Pump	130 L/min	34 gal/min	130 L/min	34 gal/min	130 L/min	34 gal/min
Maximum Working Pressure – Steering Pump	24 130 kPa	3,500 psi	24 130 kPa	3,500 psi	24 130 kPa	3,500 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)						
Minimum RPM: Pump Flow Limited	2.8 seconds		2.8 seconds		3.1 seconds	
Maximum RPM: 90 rpm Steering Wheel Speed	2.4 seconds		2.4 seconds		2.3 seconds	



# 926M, 930M, 938M Wheel Loader Specifications

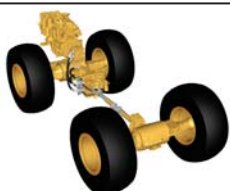
## Transmission



\* Creeper control allows maximum speed range adjustability from 1 km/h (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. Factory default is 7 km/h (4.4 mph).

	926M		930M		938M	
Forward and Reverse						
Range 1*	1-13 km/h	0.6-8 mph	1-13 km/h	0.6-8 mph	1-13 km/h	0.6-8 mph
Range 2	13 km/h	8 mph	13 km/h	8 mph	13 km/h	8 mph
Range 3	27 km/h	17 mph	27 km/h	17 mph	27 km/h	17 mph
Range 4	40 km/h	25 mph	40 km/h	25 mph	40 km/h	25 mph

## Power Train



- Power train is governed by the Caterpillar exclusive Intelligent Power Management system to deliver peak performance and efficiency.
- Differential front locking axle can be engaged on the go at full torque to 10 km/h (6.2 mph) on the 926M/930M and up to 20 km/h (12.4 mph) on the 938M.

\* Offset rims available to meet European roading requirements.

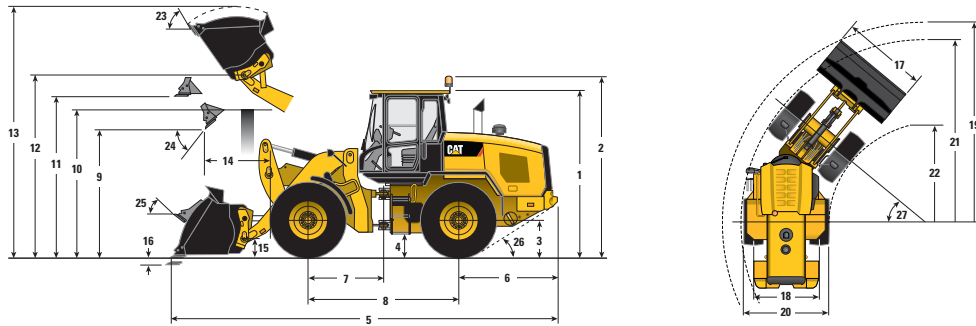
	926M	930M	938M*
Front Axle	Fixed	Fixed	Fixed
Traction Aid (standard)	Locking differential	Locking differential	Locking differential
Rear Axle	Oscillating	Oscillating	Oscillating
Oscillation Angle by Tire Size			
17.5 R25	± 13.5 degrees	—	—
20.5 R25, 550/65, 600/65, 650/65	± 10.5 degrees	± 10.5 degrees	± 10.5 degrees
23.5 R25	—	—	± 7 degrees
Solid Tires, 750/65, 620/65, Skidder	± 7 degrees	± 7 degrees	± 7 degrees
Traction Aid (optional)	Limited slip differential	Limited slip differential	Limited slip differential
Brakes			
Service	Inboard wet disc	Inboard wet disc	Outboard wet disc
Park	Spring applied hydraulically released	Spring applied hydraulically released	Spring applied hydraulically released

## Service Refill Capacities

	926M		930M		938M	
Fuel Tank	195 L	51.5 gal	195 L	51.5 gal	195 L	51.5 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	5.0 gal	19 L	5.0 gal	19 L	5.0 gal
Cooling System	30 L	7.9 gal	30 L	7.9 gal	32 L	8.5 gal
Engine Crankcase	20 L	5.3 gal	20 L	5.3 gal	20 L	5.3 gal
Transmission (Gear Box)	8.5 L	2.2 gal	8.5 L	2.2 gal	11 L	2.9 gal
Front Axles	21 L	5.5 gal	26 L	6.9 gal	35 L	9.2 gal
Rear Axles	21 L	5.5 gal	25 L	6.6 gal	35 L	9.2 gal
Hydraulic System (Including Tank)	160 L	42.3 gal	165 L	43.6 gal	170 L	44.9 gal
Hydraulic Tank	90 L	23.8 gal	90 L	23.8 gal	90 L	23.8 gal

# 926M, 930M, 938M Wheel Loader Specifications

## Dimensions with Bucket



\*Vary with bucket.

\*\*Vary with tire.

### Standard Lift

	926M		930M		938M	
** 1 Height: Ground to Cab	3340 mm	10'11"	3340 mm	10'11"	3340 mm	10'11"
** 2 Height: Ground to Beacon	3707 mm	12'2"	3707 mm	12'2"	3707 mm	12'2"
** 3 Height: Ground Axle Center	685 mm	2'3"	685 mm	2'3"	685 mm	2'3"
** 4 Height: Ground Clearance	397 mm	1'4"	397 mm	1'4"	386 mm	1'3"
* 5 Length: Overall	7418 mm	24'4"	7530 mm	24'8"	7656 mm	25'1"
6 Length: Rear Axle to Bumper	1953 mm	6'5"	1993 mm	6'6"	1968 mm	6'5"
7 Length: Hitch to Front Axle	1500 mm	4'11"	1500 mm	4'11"	1525 mm	5'0"
8 Length: Wheel Base	3000 mm	9'10"	3000 mm	9'10"	3050 mm	10'0"
* 9 Clearance: Bucket at 45°	2885 mm	9'6"	2828 mm	9'3"	2834 mm	9'4"
** 10 Clearance: Load over Height	3330 mm	10'11"	3331 mm	10'11"	3354 mm	11'0"
** 11 Clearance: Level Bucket	3580 mm	11'9"	3580 mm	11'9"	3641 mm	11'11"
** 12 Height: Bucket Pin	3907 mm	12'10"	3907 mm	12'10"	3969 mm	13'0"
** 13 Height: Overall	5076 mm	16'8"	5147 mm	16'11"	5273 mm	17'4"
* 14 Reach: Bucket at 45°	1024 mm	3'4"	1064 mm	3'6"	1146 mm	3'9"
15 Carry Height: Bucket Pin	390 mm	1'3"	390 mm	1'3"	394 mm	1'4"
** 16 Dig Depth	100 mm	3.9"	100 mm	3.9"	101 mm	4"
17 Width: Bucket	2550 mm	8'4"	2550 mm	8'4"	2750 mm	9'0"
18 Width: Tread Center	1933 mm	6'4"	1930 mm	6'3"	2083 mm	6'10"
19 Turning Radius: Over Bucket	5911 mm	19'5"	5933 mm	19'6"	6120 mm	20'1"
20 Width: Over Tires	2543 mm	8'4"	2540 mm	8'4"	2693 mm	8'10"
21 Turning Radius: Outside of Tires	5404 mm	17'9"	5402 mm	17'9"	5546 mm	18'2"
22 Turning Radius: Inside of Tires	2850 mm	9'4"	2851 mm	9'4"	2843 mm	9'4"
23 Rack Angle at Full Lift	54°		54°		54°	
24 Dump Angle at Full Lift	50°		49°		49°	
25 Rack Angle at Carry	43°		43°		43°	
26 Departure Angle	33°		33°		33°	
27 Articulation Angle	40°		40°		40°	

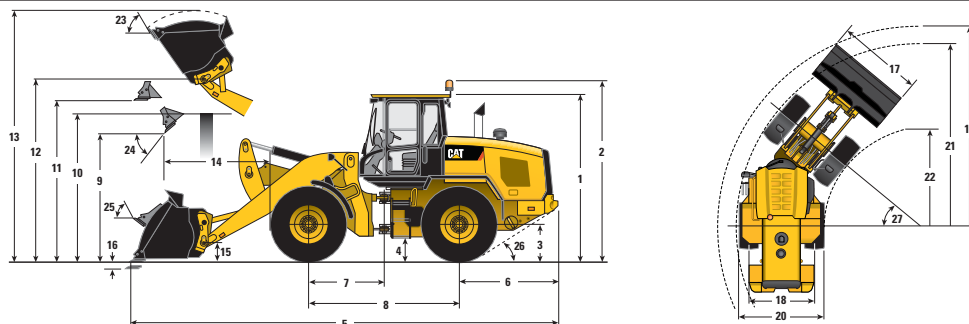
Unless otherwise noted, all Standard Lift dimensions and specifications listed are for a machine configured with the following:

Optional Equipment	Full Fluids, 80 kg (176 lb) Operator, Secondary Steering, Ride Control, Crankcase, Power Train and Driveshaft Guards, Bucket with Bolt-on Cutting Edge					
Tires – Michelin	20.5R25 (L-3) XHA2		20.5R25 (L-3) XHA2		20.5R25 (L-3) XHA2	
Pressure in Front Tires	4.14 bar	60 psi	4.14 bar	60 psi	4.14 bar	60 psi
Pressure in Rear Tires	2.76 bar	40 psi	2.76 bar	40 psi	2.76 bar	40 psi
Counterweight Group	Heavy		Heavy		Heavy	



# 926M, 930M, 938M Wheel Loader Specifications

## Dimensions with Bucket



\*Vary with bucket.

\*\*Vary with tire.

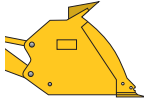

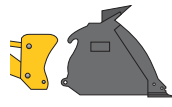
	High Lift					
	926M		930M		938M	
** 1 Height: Ground to Cab	3340 mm	10'11"	3340 mm	10'11"	3340 mm	10'11"
** 2 Height: Ground to Beacon	3707 mm	12'2"	3707 mm	12'2"	3707 mm	12'2"
** 3 Height: Ground Axle Center	685 mm	2'3"	685 mm	2'3"	685 mm	2'3"
** 4 Height: Ground Clearance	397 mm	1'4"	397 mm	1'4"	386 mm	1'3"
* 5 Length: Overall	8060 mm	26'5"	8324 mm	27'4"	8397 mm	27'7"
6 Length: Rear Axle to Bumper	1953 mm	6'5"	1993 mm	6'6"	1968 mm	6'5"
7 Length: Hitch to Front Axle	1500 mm	4'11"	1500 mm	4'11"	1525 mm	5'0"
8 Length: Wheel Base	3000 mm	9'10"	3000 mm	9'10"	3050 mm	10'0"
* 9 Clearance: Bucket at 45°	3378 mm	11'1"	3421 mm	11'3"	3415 mm	11'2"
** 10 Clearance: Load over Height	3550 mm	11'8"	3540 mm	11'7"	3561 mm	11'8"
** 11 Clearance: Level Bucket	4073 mm	13'4"	4173 mm	13'8"	4222 mm	13'10"
** 12 Height: Bucket Pin	4400 mm	14'5"	4500 mm	14'9"	4550 mm	14'11"
** 13 Height: Overall	5569 mm	18'3"	5740 mm	18'10"	5853 mm	19'2"
* 14 Reach: Bucket at 45°	1261 mm	4'2"	1385 mm	4'7"	1413 mm	4'8"
15 Carry Height: Bucket Pin	582 mm	1'11"	624 mm	2'1"	612 mm	2'0"
** 16 Dig Depth	135 mm	5.3"	135 mm	5.3"	135 mm	5.3"
17 Width: Bucket	2550 mm	8'4"	2550 mm	8'4"	2750 mm	9'0"
18 Width: Tread Center	1933 mm	6'4"	1930 mm	6'4"	2083 mm	6'10"
19 Turning Radius: Over Bucket	6226 mm	20'5"	6322 mm	20'9"	6483 mm	21'3"
20 Width: Over Tires	2543 mm	8'4"	2540 mm	8'4"	2693 mm	8'10"
21 Turning Radius: Outside of Tires	5404 mm	17'9"	5402 mm	17'9"	5546 mm	18'2"
22 Turning Radius: Inside of Tires	2850 mm	9'4"	2851 mm	9'4"	2843 mm	9'4"
23 Rack Angle at Full Lift	51°		53°		53°	
24 Dump Angle at Full Lift	49°		48°		47°	
25 Rack Angle at Carry	47°		49°		48°	
26 Departure Angle	33°		33°		33°	
27 Articulation Angle	40°		40°		40°	

Unless otherwise noted, all High Lift dimensions and specifications listed are for a machine configured with the following:

Optional Equipment	Full Fluids, 80 kg (176 lb) Operator, Secondary Steering, Ride Control, Crankcase, Power Train and Driveshaft Guards, Bucket with Bolt-on Cutting Edge					
Tires – Michelin	20.5R25 (L-3) XHA2	20.5R25 (L-3) XHA2	20.5R25 (L-3) XHA2	20.5R25 (L-3) XHA2	20.5R25 (L-3) XHA2	20.5R25 (L-3) XHA2
Pressure in Front Tires	4.14 bar	60 psi	4.14 bar	60 psi	4.14 bar	60 psi
Pressure in Rear Tires	2.76 bar	40 psi	2.76 bar	40 psi	2.76 bar	40 psi
Counterweight Group	Heavy		Heavy		Heavy	

# Bucket Specifications

## 926M Operating Specifications with Buckets

		General Purpose									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	1.9	2.1	2.3	1.9	2.1	2.3	2.1	2.3	–	
	yd <sup>3</sup>	2.5	2.7	3.0	2.5	2.7	3.0	2.7	3.0	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	2.1	2.3	2.5	2.1	2.3	2.5	2.3	2.5	–	
	yd <sup>3</sup>	2.7	3.0	3.3	2.7	3.0	3.3	3.0	3.3	–	
<b>17</b> Width: bucket	mm	2550	2550	2550	2550	2550	2550	2550	2550	–	
	ft/in	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	–	
Nominal material density, 110% fill factor	kg/m <sup>3</sup>	1861	1671	1506	1774	1588	1435	1514	1368	–	
	lb/yd <sup>3</sup>	3,136	2,816	2,539	2,990	2,677	2,419	2,552	2,306	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2912	2855	2807	2885	2828	2779	2734	2684	+493	
	ft/in	9'7"	9'4"	9'3"	9'6"	9'3"	9'1"	9'0"	8'10"	+1'7"	
<b>14</b> Reach: full lift, 45° dump	mm	992	1033	1070	1024	1064	1102	1183	1219	+237	
	ft/in	3'3"	3'5"	3'6"	3'4"	3'6"	3'7"	3'11"	4'0"	+9"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1547	1560	1573	1566	1578	1590	1646	1654	+569	
	ft/in	5'1"	5'1"	5'2"	5'2"	5'2"	5'3"	5'5"	5'5"	+1'10"	
Reach: level arm, level bucket	mm	2278	2350	2413	2320	2392	2455	2543	2606	+523	
	ft/in	7'6"	7'9"	7'11"	7'7"	7'10"	8'1"	8'4"	8'7"	+1'9"	
<b>16</b> Dig depth	mm	100	100	100	100	100	100	94	94	+35	
	in	3.9"	3.9"	3.9"	3.9"	3.9"	3.9"	3.7"	3.7"	+1.4"	
<b>5</b> Length: overall	mm	7376	7448	7511	7418	7490	7553	7636	7699	+642	
	ft/in	24'2"	24'5"	24'8"	24'4"	24'7"	24'9"	25'1"	25'3"	+2'1"	
<b>13</b> Height: overall	mm	5052	5122	5180	5076	5147	5205	5249	5307	+493	
	ft/in	16'7"	16'10"	17'0"	16'8"	16'11"	17'1"	17'3"	17'5"	+1'7"	
<b>19</b> Turning radius: over bucket	mm	5903	5924	5943	5911	5933	5952	5977	5997	+314	
	ft/in	19'4"	19'5"	19'6"	19'5"	19'6"	19'6"	19'7"	19'8"	+1'0"	
Tipping load – straight, ISO 14397-1*	kg	9041	8978	8872	8657	8572	8493	8177	8099	–2126	
	lb	19,931	19,792	19,558	19,084	18,898	18,723	18,026	17,855	–4,687	
Tipping load – straight, rigid tire**	kg	9418	9352	9242	9018	8930	8847	8517	8436	–2214	
	lb	20,762	20,616	20,373	19,880	19,686	19,503	18,777	18,599	–4,881	
Tipping load – full turn, ISO 14397-1*	kg	7777	7720	7621	7415	7336	7263	6995	6923	–1873	
	lb	17,145	17,018	16,801	16,346	16,174	16,012	15,420	15,262	–4,129	
Tipping load – full turn, rigid tire**	kg	8273	8212	8107	7888	7805	7727	7441	7365	–1993	
	lb	18,239	18,104	17,873	17,389	17,206	17,034	16,404	16,236	–4,394	
Breakout force	kg	10 685	9966	9388	10 222	9546	9018	8304	7885	–509	
	lb	23,557	21,972	20,697	22,536	21,045	19,880	18,306	17,383	–1,122	
Operating weight	kg	12 605	12 624	12 687	12 944	12 988	13 026	12 958	12 996	+278	
	lb	27,788	27,829	27,969	28,535	28,632	28,715	28,566	28,650	+613	

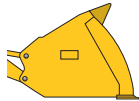
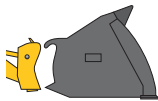
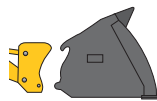
\*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

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



# Bucket Specifications

## 926M Operating Specifications with Buckets

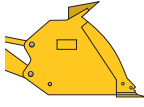

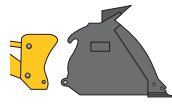
		Light Material									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	3.0	3.5	3.8	3.1	3.5	3.8	3.5	4.2	–	
	yd <sup>3</sup>	3.9	4.6	5.0	4.1	4.6	5.0	4.6	5.5	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	3.3	3.9	4.2	3.4	3.9	4.2	3.9	4.6	–	
	yd <sup>3</sup>	4.3	5.0	5.5	4.4	5.0	5.5	5.0	6.0	–	
<b>17</b> Width: bucket	mm	2750	2750	2750	2750	2750	2750	2750	2750	–	
	ft/in	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	–	
Nominal material density, 110% fill factor	kg/m <sup>3</sup>	1113	936	847	1029	890	804	854	684	–	
	lb/yd <sup>3</sup>	1,876	1,577	1,427	1,734	1,499	1,356	1,440	1,152	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2703	2631	2573	2672	2600	2543	2535	2364	+505	
	ft/in	8'10"	8'7"	8'5"	8'9"	8'6"	8'4"	8'4"	7'9"	+1'8"	
<b>14</b> Reach: full lift, 45° dump	mm	1066	1138	1196	1094	1167	1225	1199	1320	+256	
	ft/in	3'6"	3'9"	3'11"	3'7"	3'10"	4'0"	3'11"	4'4"	+10"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1509	1538	1559	1521	1549	1569	1538	1569	+592	
	ft/in	4'11"	5'1"	5'1"	5'0"	5'1"	5'2"	5'0"	5'2"	+1'11"	
Reach: level arm, level bucket	mm	2500	2603	2685	2543	2645	2726	2714	2884	+523	
	ft/in	8'2"	8'6"	8'10"	8'4"	8'8"	8'11"	8'11"	9'6"	+1'9"	
<b>16</b> Dig depth	mm	100	100	100	100	100	100	125	125	+35	
	in	3.9"	3.9"	3.9"	3.9"	3.9"	3.9"	4.9"	4.9"	+1.4"	
<b>5</b> Length: overall	mm	7599	7701	7783	7641	7743	7825	7832	8002	+642	
	ft/in	24'11"	25'3"	25'6"	25'1"	25'5"	25'8"	25'8"	26'3"	+2'1"	
<b>13</b> Height: overall	mm	5179	5284	5356	5204	5309	5383	5379	5546	+493	
	ft/in	17'0"	17'4"	17'7"	17'1"	17'5"	17'8"	17'8"	18'2"	+1'7"	
<b>19</b> Turning radius: over bucket	mm	6060	6091	6117	6070	6102	6128	6128	6184	+319	
	ft/in	19'11"	20'0"	20'1"	19'11"	20'0"	20'1"	20'1"	20'3"	+1'1"	
Tipping load – straight, ISO 14397-1*	kg	8584	8431	8290	8232	8054	7917	7733	7453	–2073	
	lb	18,923	18,588	18,277	18,148	17,756	17,454	17,049	16,431	–4,570	
Tipping load – straight, rigid tire**	kg	8941	8783	8636	8575	8390	8247	8056	7764	–2159	
	lb	19,711	19,362	19,038	18,904	18,496	18,181	17,759	17,116	–4,760	
Tipping load – full turn, ISO 14397-1*	kg	7348	7206	7077	7017	6850	6725	6577	6316	–1827	
	lb	16,198	15,887	15,602	15,469	15,102	14,825	14,499	13,924	–4,028	
Tipping load – full turn, rigid tire**	kg	7817	7666	7529	7465	7288	7154	6996	6719	–1944	
	lb	17,232	16,901	16,597	16,456	16,066	15,771	15,424	14,813	–4,286	
Breakout force	kg	8616	7890	7768	8296	7604	7486	7149	6003	–423	
	lb	18,995	17,393	17,124	18,289	16,763	16,502	15,760	13,234	–933	
Operating weight	kg	12 915	13 001	13 067	13 231	13 349	13 414	13 273	13 436	+278	
	lb	28,472	28,661	28,806	29,168	29,428	29,573	29,260	29,620	+613	

\*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.

# Bucket Specifications

## 930M Operating Specifications with Buckets

		General Purpose									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	2.1	2.3	2.5	2.1	2.3	2.5	2.1	2.3	–	
	yd <sup>3</sup>	2.7	3.0	3.3	2.7	3.0	3.3	2.7	3.0	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	2.3	2.5	2.8	2.3	2.5	2.8	2.3	2.5	–	
	yd <sup>3</sup>	3.0	3.3	3.6	3.0	3.3	3.6	3.0	3.3	–	
<b>17</b> Width: bucket	mm	2550	2550	2550	2550	2550	2550	2550	2550	–	
	ft/in	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	–	
Nominal material density, 110% fill factor	kg/m <sup>3</sup>	1994	1800	1632	1907	1725	1567	1819	1646	–	
	lb/yd <sup>3</sup>	3,361	3,034	2,751	3,214	2,908	2,641	3,066	2,774	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2855	2807	2761	2828	2779	2733	2734	2684	+593	
	ft/in	9'4"	9'3"	9'1"	9'3"	9'1"	9'0"	9'0"	8'10"	+1'11"	
<b>14</b> Reach: full lift, 45° dump	mm	1033	1070	1109	1064	1102	1140	1183	1219	+320	
	ft/in	3'5"	3'6"	3'8"	3'6"	3'7"	3'9"	3'11"	4'0"	+1'1"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1560	1573	1587	1578	1590	1603	1646	1654	+715	
	ft/in	5'1"	5'2"	5'2"	5'2"	5'3"	5'3"	5'5"	5'5"	+2'4"	
Reach: level arm, level bucket	mm	2350	2413	2475	2392	2455	2517	2543	2606	+653	
	ft/in	7'9"	7'11"	8'1"	7'10"	8'1"	8'3"	8'4"	8'7"	+2'2"	
<b>16</b> Dig depth	mm	100	100	100	100	100	100	94	94	+35	
	in	3.9"	3.9"	3.9"	3.9"	3.9"	3.9"	3.7"	3.7"	+1.4"	
<b>5</b> Length: overall	mm	7488	7551	7613	7530	7593	7655	7676	7739	+794	
	ft/in	24'7"	24'9"	25'0"	24'8"	24'11"	25'1"	25'2"	25'5"	+2'7"	
<b>13</b> Height: overall	mm	5122	5180	5239	5147	5205	5264	5249	5307	+593	
	ft/in	16'10"	17'0"	17'2"	16'11"	17'1"	17'3"	17'3"	17'5"	+1'11"	
<b>19</b> Turning radius: over bucket	mm	5924	5943	5961	5933	5952	5971	5977	5997	+389	
	ft/in	19'5"	19'6"	19'7"	19'6"	19'6"	19'7"	19'7"	19'8"	+1'3"	
Tipping load – straight, ISO 14397-1*	kg	10 777	10 663	10 523	10 349	10 261	10 139	9876	9791	–2885	
	lb	23,758	23,507	23,198	22,814	22,621	22,352	21,773	21,585	–6,360	
Tipping load – straight, rigid tire**	kg	11226	11107	10961	10780	10689	10561	10288	10199	–3006	
	lb	24,748	24,487	24,165	23,765	23,564	23,283	22,680	22,485	–6,627	
Tipping load – full turn, ISO 14397-1*	kg	9213	9107	8976	8811	8731	8617	8405	8327	–2524	
	lb	20,310	20,078	19,787	19,424	19,247	18,996	18,529	18,358	–5,564	
Tipping load – full turn, rigid tire**	kg	9801	9689	9549	9373	9288	9167	8942	8859	–2685	
	lb	21,607	21,359	21,050	20,663	20,476	20,209	19,712	19,530	–5,919	
Breakout force	kg	13 429	12 668	11 972	12 884	12 185	11 544	11 252	10 700	–316	
	lb	29,605	27,926	26,393	28,404	26,862	25,448	24,807	23,588	–697	
Operating weight	kg	13 871	13 934	14 033	14 235	14 273	14 355	14 205	14 243	+285	
	lb	30,579	30,719	30,937	31,382	31,465	31,647	31,316	31,400	+628	

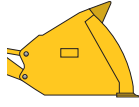


\*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

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



# Bucket Specifications

## 930M Operating Specifications with Buckets

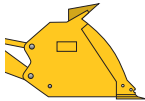


		Light Material									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	3.5	3.8	4.2	3.5	3.8	4.2	3.5	5.0	–	
	yd <sup>3</sup>	4.6	5.0	5.5	4.6	5.0	5.5	4.6	6.5	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	3.9	4.2	4.6	3.9	4.2	4.6	3.9	5.5	–	
	yd <sup>3</sup>	5.0	5.5	6.0	5.0	5.5	6.0	5.0	7.2	–	
<b>17</b> Width: bucket	mm	2750	2750	2750	2750	2750	2750	2750	2750	–	
	ft/in	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	–	
Nominal material density, 110% fill factor	kg/m <sup>3</sup>	1126	1020	910	1077	976	870	1034	696	–	
	lb/yd <sup>3</sup>	1,898	1,719	1,533	1,816	1,645	1,466	1,744	1,174	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2631	2573	2510	2600	2543	2480	2535	2364	+607	
	ft/in	8'8"	8'5"	8'3"	8'6"	8'4"	8'2"	8'4"	7'9"	+2'0"	
<b>14</b> Reach: full lift, 45° dump	mm	1138	1196	1259	1167	1225	1287	1199	1370	+342	
	ft/in	3'9"	3'11"	4'2"	3'10"	4'0"	4'3"	3'11"	4'6"	+1'1"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1538	1559	1579	1549	1569	1588	1536	1580	+746	
	ft/in	5'1"	5'1"	5'2"	5'1"	5'2"	5'3"	5'0"	5'2"	+2'5"	
Reach: level arm, level bucket	mm	2603	2685	2773	2645	2726	2815	2714	2956	+653	
	ft/in	8'6"	8'10"	9'1"	8'8"	8'11"	9'3"	8'11"	9'8"	+2'2"	
<b>16</b> Dig depth	mm	100	100	100	100	100	100	125	125	+35	
	in	3.9"	3.9"	3.9"	3.9"	3.9"	3.9"	4.9"	4.9"	+1.4"	
<b>5</b> Length: overall	mm	7741	7823	7911	7783	7865	7953	7872	8114	+794	
	ft/in	25'5"	25'8"	25'11"	25'6"	25'10"	26'1"	25'10"	26'7"	+2'7"	
<b>13</b> Height: overall	mm	5284	5356	5445	5309	5383	5471	5379	5834	+593	
	ft/in	17'4"	17'7"	17'10"	17'5"	17'8"	17'11"	17'8"	19'2"	+1'11"	
<b>19</b> Turning radius: over bucket	mm	6091	6117	6145	6102	6128	6156	6128	6208	+392	
	ft/in	20'0"	20'1"	20'2"	20'0"	20'1"	20'2"	20'1"	20'4"	+1'3"	
Tipping load – straight, ISO 14397-1*	kg	10 195	10 039	9905	9795	9644	9513	9406	9081	–2792	
	lb	22,475	22,131	21,835	21,595	21,260	20,971	20,737	20,019	–6,155	
Tipping load – straight, rigid tire**	kg	10 620	10 457	10 317	10 204	10 046	9909	9798	9459	–2909	
	lb	23,411	23,053	22,745	22,494	22,146	21,845	21,601	20,853	–6,413	
Tipping load – full turn, ISO 14397-1*	kg	8670	8528	8405	8295	8157	8037	7965	7661	–2444	
	lb	19,113	18,800	18,529	18,287	17,984	17,718	17,559	16,888	–5,388	
Tipping load – full turn, rigid tire**	kg	9223	9072	8941	8825	8678	8550	8473	8150	–2599	
	lb	20,333	20,000	19,711	19,454	19,131	18,849	18,680	17,966	–5,730	
Breakout force	kg	10 717	10 576	9416	10 348	10 211	9116	9771	8214	–260	
	lb	23,627	23,316	20,757	22,812	22,511	20,097	21,541	18,107	–573	
Operating weight	kg	14 248	14 314	14 378	14 596	14 662	14 726	14 520	14 743	+285	
	lb	31,411	31,556	31,697	32,178	32,323	32,464	32,010	32,501	+628	

\*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.

# Bucket Specifications

## 938M Operating Specifications with Buckets

		General Purpose									High Lift
		 Pin On			 Fusion			 ISO 23727			
Capacity – rated	m <sup>3</sup>	2.5	2.7	2.9	2.5	2.7	2.9	2.5	2.7	–	
	yd <sup>3</sup>	3.3	3.5	3.8	3.3	3.5	3.8	3.3	3.5	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	2.8	3.0	3.2	2.8	3.0	3.2	2.8	3.0	–	
	yd <sup>3</sup>	3.6	3.9	4.2	3.6	3.9	4.2	3.6	3.9	–	
<b>17</b> Width: bucket	mm	2750	2750	2750	2750	2750	2750	2750	2750	–	
	ft/in	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	–	
Nominal material density, 110% fill factor	kg/m <sup>3</sup>	1895	1739	1607	1809	1660	1534	1742	1597	–	
	lb/yd <sup>3</sup>	3,193	2,931	2,709	3,049	2,798	2,585	2,937	2,692	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2869	2822	2786	2834	2787	2751	2746	2698	+581	
	ft/in	9'5"	9'3"	9'2"	9'4"	9'2"	9'0"	9'0"	8'10"	+1'11"	
<b>14</b> Reach: full lift, 45° dump	mm	1108	1146	1178	1146	1185	1216	1257	1294	+267	
	ft/in	3'8"	3'9"	3'10"	3'9"	3'11"	4'0"	4'1"	4'3"	+11"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1637	1652	1664	1658	1672	1684	1722	1733	+665	
	ft/in	5'4"	5'5"	5'6"	5'5"	5'6"	5'6"	5'8"	5'8"	+2'2"	
Reach: level arm, level bucket	mm	2452	2514	2563	2504	2566	2615	2645	2707	+607	
	ft/in	8'0"	8'2"	8'4"	8'2"	8'5"	8'6"	8'8"	8'11"	+2'0"	
<b>16</b> Dig depth	mm	100	100	100	101	101	101	94	94	+35	
	in	3.9"	3.9"	3.9"	4"	4"	4"	3.7"	3.7"	+1.4"	
<b>5</b> Length: overall	mm	7604	7666	7715	7656	7718	7767	7792	7854	+740	
	ft/in	24'11"	25'2"	25'4"	25'1"	25'4"	25'6"	25'7"	25'9"	+2'5"	
<b>13</b> Height: overall	mm	5242	5301	5348	5273	5332	5379	5369	5428	+581	
	ft/in	17'2"	17'5"	17'7"	17'4"	17'6"	17'8"	17'7"	17'10"	+1'11"	
<b>19</b> Turning radius: over bucket	mm	6109	6127	6142	6120	6139	6154	6162	6182	+362	
	ft/in	20'1"	20'1"	20'2"	20'1"	20'2"	20'2"	20'3"	20'3"	+1'2"	
Tipping load – straight, ISO 14397-1*	kg	12 234	12 135	12 052	11 729	11 631	11 551	11 292	11 189	–3069	
	lb	26,970	26,752	26,569	25,857	25,641	25,464	24,895	24,667	–6,766	
Tipping load – straight, rigid tire**	kg	12 744	12 641	12 554	12 218	12 115	12 032	11 763	11 655	–3197	
	lb	28,094	27,867	27,676	26,934	26,709	26,525	25,932	25,694	–7,048	
Tipping load – full turn, ISO 14397-1*	kg	10 420	10 329	10 253	9949	9860	9787	9582	9487	–2678	
	lb	22,971	22,772	22,604	21,934	21,737	21,575	21,125	20,915	–5,904	
Tipping load – full turn, rigid tire**	kg	11 085	10 989	10 908	10 585	10 489	10 411	10 194	10 093	–2849	
	lb	24,438	24,225	24,047	23,334	23,124	22,952	22,473	22,250	–6,281	
Breakout force	kg	13 816	13 085	12 555	13 167	12 495	12 006	11 677	11 126	–507	
	lb	30,457	28,847	27,678	29,028	27,546	26,468	25,744	24,527	–1,118	
Operating weight	kg	15 832	15 877	15 914	16 229	16 273	16 310	16 135	16 186	+327	
	lb	34,903	35,002	35,082	35,778	35,876	35,955	35,569	35,683	+721	

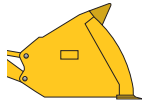
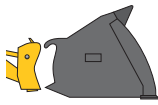
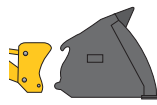
\*Full compliance to ISO 14397-1 (2007) Sections 1 thru 6, which requires 2% verification between calculation and testing.

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



# Bucket Specifications

## 938M Operating Specifications with Buckets

		Light Material								
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>		
Capacity – rated	m <sup>3</sup>	3.8	4.2	5.0	3.8	4.2	5.0	4.2	5.0	–
	yd <sup>3</sup>	5.0	5.5	6.5	5.0	5.5	6.5	5.5	6.5	–
Capacity – rated at 110% fill factor	m <sup>3</sup>	4.2	4.6	5.5	4.2	4.6	5.5	4.6	5.5	–
	yd <sup>3</sup>	5.5	6.0	7.2	5.5	6.0	7.2	6.0	7.2	–
<b>17</b> Width: bucket	mm	2750	2750	2750	2750	2750	2750	2750	2750	–
	ft/in	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	–
Nominal material density, 110% fill factor	kg/m <sup>3</sup>	1187	1058	888	1132	1011	846	975	817	–
	lb/yd <sup>3</sup>	2,000	1,783	1,497	1,908	1,704	1,426	1,644	1,378	–
<b>9</b> Clearance: full lift, 45° dump	mm	2633	2571	2571	2596	2534	2534	2424	2424	+598
	ft/in	8'8"	8'5"	8'5"	8'6"	8'4"	8'4"	7'11"	7'11"	+2'0"
<b>14</b> Reach: full lift, 45° dump	mm	1232	1294	1294	1268	1331	1331	1355	1406	+292
	ft/in	4'0"	4'3"	4'3"	4'2"	4'4"	4'4"	4'5"	4'7"	+11"
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1631	1654	1654	1644	1666	1666	1649	1662	+695
	ft/in	5'4"	5'5"	5'5"	5'5"	5'6"	5'6"	5'5"	5'5"	+2'3"
Reach: level arm, level bucket	mm	2723	2812	2812	2775	2864	2864	2922	2994	+607
	ft/in	8'11"	9'3"	9'3"	9'1"	9'5"	9'5"	9'7"	9'10"	+2'0"
<b>16</b> Dig depth	mm	100	100	100	101	101	101	125	125	+35
	in	3.9"	3.9"	3.9"	4"	4"	4"	4.9"	4.9"	+1.4"
<b>5</b> Length: overall	mm	7875	7964	7964	7928	8016	8016	8095	8167	+740
	ft/in	25'10"	26'2"	26'2"	26'0"	26'4"	26'4"	26'7"	26'10"	+2'5"
<b>13</b> Height: overall	mm	5418	5507	5786	5450	5539	5820	5607	5895	+581
	ft/in	17'9"	18'1"	19'0"	17'11"	18'2"	19'1"	18'5"	19'4"	+1'11"
<b>19</b> Turning radius: over bucket	mm	6192	6220	6220	6205	6234	6234	6259	6283	+372
	ft/in	20'4"	20'5"	20'5"	20'4"	20'5"	20'5"	20'6"	20'7"	+1'3"
Tipping load – straight, ISO 14397-1*	kg	11 687	11 530	11 529	11 200	11 062	11 032	10 672	10 657	–2959
	lb	25,764	25,418	25,416	24,691	24,388	24,320	23,528	23,493	–6,523
Tipping load – straight, rigid tire**	kg	12 174	12 010	12 009	11 667	11 523	11 491	11 117	11 101	–3083
	lb	26,837	26,477	26,475	25,720	25,404	25,333	24,508	24,472	–6,797
Tipping load – full turn, ISO 14397-1*	kg	9919	9775	9771	9466	9340	9307	9010	8991	–2583
	lb	21,868	21,549	21,541	20,868	20,591	20,518	19,864	19,822	–5,694
Tipping load – full turn, rigid tire**	kg	10 553	10 399	10 395	10 070	9936	9901	9586	9565	–2748
	lb	23,264	22,925	22,915	22,200	21,905	21,827	21,132	21,087	–6,058
Breakout force	kg	11 606	10 333	10 295	11 119	9940	9885	9085	9040	–437
	lb	25,586	22,780	22,695	24,513	21,913	21,792	20,028	19,929	–963
Operating weight	kg	16 102	16 178	16 225	16 495	16 559	16 637	16 472	16 531	+327
	lb	35,497	35,666	35,770	36,365	36,506	36,676	36,313	36,444	+721

\*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.

# Bucket Selection Tables

## General Purpose Bucket Selection – Standard Lift

Material Type		Fill Factor %													Tip Load Full Turn*		
		105%	105%	110%	105%	105%	110%	105%	115%	105%	110%	115%	110%	105%			110%
m <sup>3</sup>	yd <sup>3</sup>	Counter-weight	kg/m <sup>3</sup> lb/yd <sup>3</sup>	1400	1475	1550	1625	1700	1775	1850	1925	2000	2075	2150	kg	lb	
				(2,360)	(2,486)	(2,613)	(2,739)	(2,865)	(2,992)	(3,118)	(3,245)	(3,371)	(3,497)	(3,624)			
<b>926M</b>	Pin On	1.9 (2.5)	Log/Agg								115%	110%	105%	100%	8202	(18,082)	
		Heavy							115%	110%	105%	100%	7777	(17,145)			
		2.1 (2.7)	Log/Agg					115%	110%	105%	100%	8143	(17,952)				
		Heavy			115%	110%	105%	100%	7720	(17,018)							
		2.3 (3.0)	Log/Agg		115%	110%	105%	100%	8042	(17,730)							
		Heavy	115%	110%	105%	100%	7621	(16,801)									
	Fusion	1.9 (2.5)	Log/Agg							115%	110%	105%	100%	7834	(17,271)		
		Heavy							115%	110%	105%	100%	7415	(16,346)			
		2.1 (2.7)	Log/Agg					115%	110%	105%	100%	7754	(17,095)				
		Heavy			115%	110%	105%	100%	7336	(16,174)							
		2.3 (3.0)	Log/Agg		115%	110%	105%	100%	7679	(16,929)							
		Heavy	110%	105%	100%	7263	(16,012)										
<b>930M</b>	Pin On	2.1 (2.7)	Log/Agg								115%	110%	105%	100%	9626	(21,222)	
		Heavy								115%	110%	105%	100%	9213	(20,310)		
		Standard							115%	110%	105%	100%	8704	(19,189)			
		2.3 (3.0)	Log/Agg							115%	110%	105%	100%	9519	(20,985)		
		Heavy						115%	110%	105%	100%	9107	(20,078)				
		Standard			115%	110%	105%	100%	8601	(18,961)							
	Fusion	2.5 (3.3)	Log/Agg									115%	110%	105%	100%	9386	(20,691)
		Heavy						115%	110%	105%	100%	8976	(19,787)				
		Standard		115%	110%	105%	100%	8471	(18,676)								
		2.1 (2.7)	Log/Agg								115%	110%	105%	100%	9219	(20,323)	
		Heavy								115%	110%	105%	100%	8811	(19,424)		
		2.3 (3.0)	Log/Agg							115%	110%	105%	100%	9137	(20,143)		
Fusion	2.5 (3.3)	Log/Agg									115%	110%	105%	100%	9021	(19,888)	
	Heavy								115%	110%	105%	100%	8617	(18,996)			
	Standard		115%	110%	105%	100%											
	<b>938M</b>	Pin On	2.5 (3.3)	Log/Agg								115%	110%	105%	100%	10 828	(23,872)
			Heavy								115%	110%	105%	100%	10 420	(22,971)	
			Standard						115%	110%	105%	100%	9918	(21,865)			
2.7 (3.5)			Log/Agg								115%	110%	105%	100%	10 736	(23,668)	
Heavy										115%	110%	105%	100%	10 329	(22,772)		
Standard					115%	110%	105%	100%	9830	(21,670)							
Fusion		2.9 (3.8)	Log/Agg									115%	110%	105%	100%	10 659	(23,498)
		Heavy										115%	110%	105%	100%	10 253	(22,604)
		Standard		115%	110%	105%	100%	9755	(21,506)								
		2.5 (3.3)	Log/Agg								115%	110%	105%	100%	10 352	(22,820)	
		Heavy								115%	110%	105%	100%	9949	(21,934)		
		2.7 (3.5)	Log/Agg								115%	110%	105%	100%	10 260	(22,619)	
Fusion	2.9 (3.8)	Log/Agg									115%	110%	105%	100%	9860	(21,737)	
	Heavy										115%	110%	105%	100%	10 186	(22,455)	
	Standard		115%	110%	105%	100%	9787	(21,575)									

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 thru 6, which requires 2% verification between calculation and testing.



## Light Material Bucket Selection – Standard Lift

Material Type		Material Type														Tip Load Full Turn*						
		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 Peat, Wet	Coal Anthracite, Raw Earth, Loam, Dry Salt, Fine	Heavy Metal Scrap, Loose											
Fill Factor %		100%	110%	115%	110%	110%	110%	105%	105%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%			
		m <sup>3</sup>	yd <sup>3</sup>	Counter-weight	kg/m <sup>3</sup>	805	850	895	940	985	1030	1075	1120	1165	1210	1255	kg	lb				
		lb/yd <sup>3</sup>	(1,357)	(1,433)	(1,509)	(1,584)	(1,660)	(1,736)	(1,812)	(1,888)	(1,964)	(2,039)	(2,115)									
<b>926M</b>	<b>Pin On</b>	3.0	(3.9)	Log/Agg									115%	110%	105%	100%	7766	(17,120)				
				Heavy							115%	110%	105%	100%				7348	(16,198)			
		3.5	(4.6)	Log/Agg					115%	110%	105%	100%							7621	(16,801)		
				Heavy					115%	110%	105%	100%							7206	(15,887)		
		3.8	(5.0)	Log/Agg			115%	110%	105%	100%										7488	(16,508)	
				Heavy			115%	110%	105%	100%										7077	(15,602)	
	<b>Fusion</b>	3.1	(4.1)	Log/Agg											115%	110%	105%	100%	7429	(16,378)		
				Heavy							115%	110%	105%	100%						7017	(15,469)	
		3.5	(4.6)	Log/Agg					115%	110%	105%	100%								7260	(16,005)	
				Heavy					115%	110%	105%	100%								6850	(15,102)	
		3.8	(5.0)	Log/Agg			115%	110%	105%	100%											7131	(15,720)
				Heavy			110%	105%	100%												6725	(14,825)
<b>930M</b>	<b>Pin On</b>	3.5	(4.6)	Log/Agg										115%	110%	105%	100%	9075	(20,006)			
				Heavy												115%	110%	105%	100%	8670	(19,113)	
		3.8	(5.0)	Log/Agg							115%	110%	105%	100%						8930	(19,686)	
				Heavy							115%	110%	105%	100%						8528	(18,800)	
		4.2	(5.5)	Log/Agg						115%	110%	105%	100%								8804	(19,409)
				Heavy							115%	110%	105%	100%							8405	(18,529)
	<b>Fusion</b>	3.5	(4.6)	Log/Agg											115%	110%	105%	100%	8695	(19,169)		
				Heavy												115%	110%	105%	100%	8295	(18,287)	
		3.8	(5.0)	Log/Agg							115%	110%	105%	100%						8554	(18,858)	
				Heavy							115%	110%	105%	100%						8157	(17,984)	
		4.2	(5.5)	Log/Agg						115%	110%	105%	100%								8431	(18,587)
				Heavy							115%	110%	105%	100%							8037	(17,718)
<b>938M</b>	<b>Pin On</b>	3.8	(5.0)	Log/Agg										115%	110%	105%	100%	10 319	(22,748)			
				Heavy												115%	110%	105%	100%	9919	(21,868)	
		4.2	(5.5)	Log/Agg											115%	110%	105%	100%	9429	(20,787)		
				Heavy												115%	110%	105%	100%	9172	(22,424)	
		5.0	(6.5)	Log/Agg											115%	110%	105%	100%	9775	(21,549)		
				Heavy												115%	110%	105%	100%	9287	(20,475)	
	<b>Fusion</b>	3.8	(5.0)	Log/Agg											115%	110%	105%	100%	10 169	(22,417)		
				Heavy												115%	110%	105%	100%	9771	(21,541)	
		4.2	(5.5)	Log/Agg											115%	110%	105%	100%	9282	(20,463)		
				Heavy												115%	110%	105%	100%	9340	(20,591)	
		5.0	(6.5)	Log/Agg											115%	110%	105%	100%	9699	(21,381)		
				Heavy												115%	110%	105%	100%	9307	(20,518)	

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 thru 6, which requires 2% verification between calculation and testing.

# Bucket Selection Tables

## General Purpose Bucket Selection – High Lift

Material Type		Fill Factor %													Tip Load Full Turn*						
		Fertilizer, Mixed	Coal Anthracite, Washed	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw	Coal Anthracite, Raw			Coal Anthracite, Raw				
926M High Lift	Pin On	Counter-weight	kg/m <sup>3</sup>	1030	1075	1120	1165	1210	1255	1300	1345	1390	1435	1480	kg	lb					
		yd <sup>3</sup>	lb/yd <sup>3</sup>	(1,736)	(1,812)	(1,888)	(1,964)	(2,039)	(2,115)	(2,191)	(2,267)	(2,343)	(2,419)	(2,495)							
926M High Lift	Pin On	1.9 (2.5)	Log/Agg	Not Available											5876	(12,954)					
		1.9 (2.5)	Heavy							115%	110%	105%	100%								
		2.1 (2.7)	Log/Agg	Not Available													5831	(12,856)			
		2.1 (2.7)	Heavy				115%	110%	105%	100%											
		2.3 (3.0)	Log/Agg	Not Available															5746	(12,667)	
		2.3 (3.0)	Heavy		115%	110%	105%	100%													
	Fusion	1.9 (2.5)	Log/Agg	Not Available											5541	(12,216)					
		1.9 (2.5)	Heavy						115%	110%	105%	100%									
		2.1 (2.7)	Log/Agg	Not Available													5475	(12,070)			
		2.1 (2.7)	Heavy			115%	110%	105%	100%												
		2.3 (3.0)	Log/Agg	Not Available															5415	(11,937)	
		2.3 (3.0)	Heavy		115%	110%	105%	100%													
930M High Lift	Pin On	2.1 (2.7)	Log/Agg	Not Available											6650	(14,660)					
		2.1 (2.7)	Heavy							115%	110%	105%	100%								
		2.1 (2.7)	Standard									115%	110%	105%							
		2.3 (3.0)	Log/Agg	Not Available													6564	(14,471)			
		2.3 (3.0)	Heavy						115%	110%	105%	100%									
		2.3 (3.0)	Standard			115%	110%	105%	100%												
	2.5 (3.3)	Log/Agg	Not Available											6450	(14,219)						
	2.5 (3.3)	Heavy			115%	110%	105%	100%													
	2.5 (3.3)	Standard		115%	110%	105%	100%														
	Fusion	2.1 (2.7)	Log/Agg	Not Available													6287	(13,860)			
		2.1 (2.7)	Heavy							115%	110%	105%	100%								
		2.3 (3.0)	Log/Agg	Not Available															6226	(13,726)	
		2.3 (3.0)	Heavy				115%	110%	105%	100%											
		2.5 (3.3)	Log/Agg	Not Available											6129	(13,512)					
		2.5 (3.3)	Heavy			115%	110%	105%	100%												
	938M High Lift	Pin On	2.5 (3.3)	Log/Agg	Not Available													7688			(16,950)
			2.5 (3.3)	Heavy							115%	110%	105%	100%							
			2.5 (3.3)	Standard									115%	110%			105%				
2.7 (3.5)			Log/Agg	Not Available													7617		(16,791)		
2.7 (3.5)			Heavy							115%	110%	105%	100%								
2.7 (3.5)			Standard			115%	110%	105%	100%												
2.9 (3.8)		Log/Agg	Not Available											7557	(16,659)						
2.9 (3.8)		Heavy			115%	110%	105%	100%													
2.9 (3.8)		Standard		115%	110%	105%	100%														
Fusion		2.5 (3.3)	Log/Agg	Not Available													7272	(16,031)			
		2.5 (3.3)	Heavy							115%	110%	105%	100%								
		2.5 (3.3)	Standard				115%	110%	105%	100%											
		2.7 (3.5)	Log/Agg	Not Available											7201	(15,875)					
		2.7 (3.5)	Heavy				115%	110%	105%	100%											
		2.7 (3.5)	Standard		115%	110%	105%	100%													
2.9 (3.8)		Log/Agg	Not Available											7143			(15,747)				
2.9 (3.8)		Heavy			115%	110%	105%	100%													
2.9 (3.8)		Standard		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.

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## Light Material Bucket Selection – High Lift

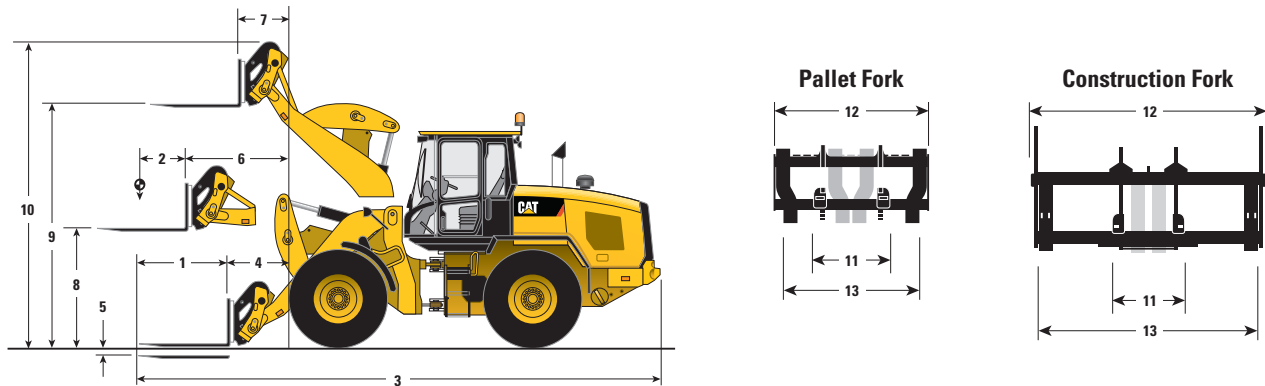
Material Type			Fill Factor %											Tip Load Full Turn*			
			Woodchips, Dry	Mulch, Wet	Municipal Solid Waste	Flour, Wheat Compacted Solid Waste	Barley, Bulk	Asphalt, Crushed Soy Beans, Bulk	Corn Shelled, Bulk	Glass, Semi Crushed Bulk Grain Wheat, Bulk	Silage, Packed Manure/Muck, Wet	Coal Bituminous, Washed Peat, Moist					
926M High Lift	Counter-weight		kg/m³ lb/yd³	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	
	Pin On	3.0 (3.9)	Log/Agg	Not Available													
Heavy											115%	110%	105%	100%	5495	(12,113)	
3.5 (4.6)		Log/Agg	Not Available														
		Heavy						115%	110%	105%	100%				5373	(11,846)	
3.8 (5.0)		Log/Agg	Not Available														
		Heavy				115%	110%	105%	100%						5268	(11,614)	
3.1 (4.1)		Log/Agg	Not Available														
		Heavy								115%	110%	105%	100%		5189	(11,440)	
3.5 (4.6)		Log/Agg	Not Available														
		Heavy				115%	110%	105%	100%						5042	(11,114)	
3.8 (5.0)		Log/Agg	Not Available														
		Heavy			115%	110%	105%	100%							4939	(10,888)	
Pin On	3.5 (4.6)	Log/Agg	Not Available														
		Heavy									115%	110%	105%	100%	6191	(13,649)	
	3.8 (5.0)	Standard										115%	110%	105%	100%	5806	(12,799)
		Log/Agg	Not Available														
	4.2 (5.5)	Heavy						115%	110%	105%	100%				6084	(13,413)	
		Standard				115%	110%	105%	100%						5701	(12,568)	
	3.5 (4.6)	Log/Agg	Not Available														
		Heavy				115%	110%	105%	100%						5988	(13,200)	
	3.8 (5.0)	Standard				115%	110%	105%	100%						5606	(12,360)	
		Log/Agg	Not Available														
	3.5 (4.6)	Heavy								115%	110%	105%	100%		5852	(12,900)	
		Log/Agg	Not Available														
3.8 (5.0)	Heavy				115%	110%	105%	100%						5747	(12,670)		
	Log/Agg	Not Available															
4.2 (5.5)	Heavy			115%	110%	105%	100%							5652	(12,461)		
	Standard																
Pin On	3.8 (5.0)	Log/Agg	Not Available														
		Heavy										115%	110%	105%	100%	7287	(16,066)
	4.2 (5.5)	Standard										115%	110%	105%	100%	6901	(15,214)
		Log/Agg	Not Available														
	5.0 (6.5)	Heavy										115%	110%	105%	100%	7170	(15,807)
		Standard						115%	110%	105%	100%				6786	(14,959)	
	3.8 (5.0)	Log/Agg	Not Available														
		Heavy				115%	110%	105%	100%						7152	(15,768)	
	4.2 (5.5)	Standard				115%	110%	105%	100%						6767	(14,918)	
		Log/Agg	Not Available														
	3.8 (5.0)	Heavy										115%	110%	105%	100%	6883	(15,173)
		Standard									115%	110%	105%	100%	6501	(14,332)	
4.2 (5.5)	Log/Agg	Not Available															
	Heavy								115%	110%	105%	100%		6783	(14,952)		
5.0 (6.5)	Standard						115%	110%	105%	100%				6403	(14,115)		
	Log/Agg	Not Available															
3.8 (5.0)	Heavy				115%	110%	105%	100%						6736	(14,850)		
	Standard			115%	110%	105%	100%							6395	(14,011)		

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 thru 6, which requires 2% verification between calculation and testing.

# Operating Specifications

## Operating Specifications with Forks



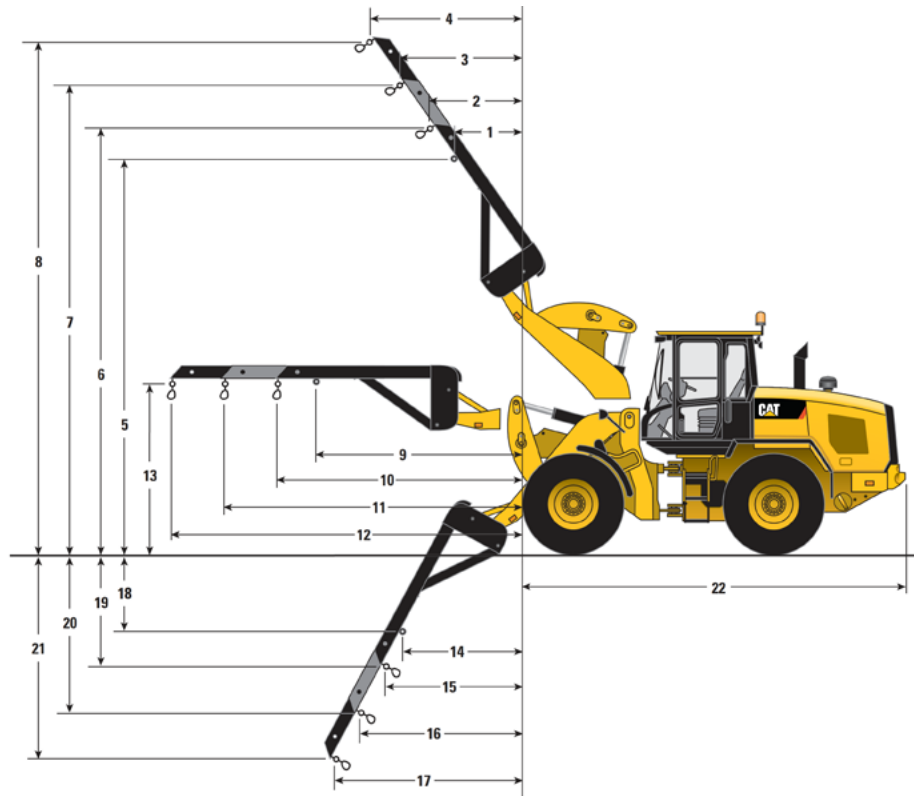
	Pallet Fork – Fusion						Construction Fork – Fusion					
	926M		930M		938M		926M		930M		938M	
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
<b>1</b> Fork tine length	1220	4'0"	1220	4'0"	1220	4'0"	1524	5'0"	1524	5'0"	1524	5'0"
<b>2</b> Load center	610	2'0"	610	2'0"	610	2'0"	762	2'6"	762	2'6"	762	2'5"
<b>3</b> Length: overall	7842	25'9"	7882	25'10"	7942	26'1"	8271	27'2"	8311	27'3"	8372	27'6"
<b>4</b> Reach: ground	926	3'0"	926	3'0"	961	3'2"	1050	3'5"	1050	3'5"	1086	3'7"
<b>5</b> Dig depth	47	1.9"	47	1.9"	44	1.7"	126	5.0"	126	5.0"	125	4.9"
<b>6</b> Reach: level arm	1569	5'2"	1569	5'2"	1617	5'4"	1628	5'4"	1628	5'4"	1676	5'6"
Reach: level arm (high lift)	2092	6'10"	2222	7'3"	2224	7'3"	2150	7'0"	2280	7'5"	2282	7'5"
<b>7</b> Reach: full lift	767	2'6"	767	2'6"	814	2'8"	826	2'9"	826	2'9"	873	2'10"
<b>8</b> Clearance: level arm	1792	5'11"	1792	5'11"	1830	6'0"	1724	5'8"	1724	5'8"	1760	5'9"
<b>9</b> Clearance: full lift	3693	12'1"	3693	12'1"	3758	12'4"	3625	11'11"	3625	11'11"	3688	12'1"
Clearance: full lift (high lift)	4186	13'8"	4286	14'0"	4339	14'2"	4123	13'6"	4223	13'10"	4274	14'0"
<b>10</b> Height: overall	4676	15'4"	4676	15'4"	4740	15'7"	4935	16'2"	4935	16'2"	4999	16'5"
<b>11</b> Minimum fork spacing	300	1'0"	300	1'0"	300	1'0"	300	1'0"	300	1'0"	300	1'0"
<b>12</b> Carriage width	1566	5'2"	1566	5'2"	1566	5'2"	2498	8'2"	2498	8'2"	2498	8'2"
<b>13</b> Maximum fork spacing	1550	5'1"	1550	5'1"	1550	5'1"	2375	7'10"	2375	7'10"	2375	7'10"
	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>
Tipping load – straight, ISO 14397-1*	6681	14,729	8017	17,674	9226	20,340	5950	13,117	7196	15,863	8330	18,365
Tipping load – full turn, ISO 14397-1*	5746	12,667	6854	15,111	7871	17,352	5084	11,207	6117	13,485	7071	15,588
Operating weight	12 620	27,822	13 868	30,572	15 701	34,614	12 997	28,654	14 245	31,403	16 078	35,445
Rated load % of full turn tip:												
50% of tip: SAE J1197**	2873	6,334	3427	7,555	3935	8,676	2542	5,603	3059	6,743	3535	7,794
60% of tip: rough terrain EN474-3**	3448	7,600	4113	9,066	4723	10,411	3050	6,724	3670	8,091	4242	9,353
80% of tip: firm and level EN474-3**	4597	10,134	5483	12,089	6297	13,881	4067	8,966	4894	10,788	5657	12,470
Rated load % of full turn tip – High Lift												
50% of tip: SAE J1197**	2294	5,058	2627	5,792	3087	6,806	2018	4,450	2336	5,150	2770	6,106
60% of tip: rough terrain EN474-3**	2753	6,069	3153	6,950	3704	8,167	2422	5,339	2803	6,180	3324	7,328
80% of tip: firm and level EN474-3**	3671	8,092	4204	9,267	4939	10,889	3229	7,119	3738	8,240	4432	9,770

\*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.

NOTE: Values listed are for a standard lift machine, except where otherwise noted.

## Operating Specifications with Material Handling Arm



### Material Handling Arm – Fusion

	926M		930M		938M		926M		930M		938M		
<b>1</b>	1451 mm	4'9"	1451 mm	4'9"	1481 mm	4'10"	<b>12</b>	4754 mm	15'7"	4754 mm	15'7"	4802 mm	15'9"
<b>2</b>	1676 mm	5'6"	1676 mm	5'6"	1703 mm	5'7"	<b>13</b>	2514 mm	8'3"	2514 mm	8'3"	2550 mm	8'4"
<b>3</b>	2156 mm	7'1"	2156 mm	7'1"	2179 mm	7'2"	<b>14</b>	1411 mm	4'8"	1411 mm	4'8"	1452 mm	4'9"
<b>4</b>	2636 mm	8'8"	2636 mm	8'8"	2655 mm	8'9"	<b>15</b>	1595 mm	5'3"	1595 mm	5'3"	1637 mm	5'4"
<b>5</b>	5544 mm	18'2"	5544 mm	18'2"	5623 mm	18'5"	<b>16</b>	1784 mm	5'10"	1784 mm	5'10"	1829 mm	6'0"
<b>6</b>	5859 mm	19'3"	5859 mm	19'3"	5940 mm	19'6"	<b>17</b>	1973 mm	6'6"	1973 mm	6'6"	2021 mm	6'8"
<b>7</b>	6304 mm	20'8"	6304 mm	20'8"	6390 mm	21'0"	<b>18</b>	1508 mm	4'11"	1508 mm	4'11"	1512 mm	5'0"
<b>8</b>	6750 mm	22'2"	6750 mm	22'2"	6840 mm	22'5"	<b>19</b>	1848 mm	6'1"	1848 mm	6'1"	1852 mm	6'1"
<b>9</b>	3065 mm	10'1"	3065 mm	10'1"	3113 mm	10'3"	<b>20</b>	2475 mm	8'1"	2475 mm	8'1"	2478 mm	8'2"
<b>10</b>	3444 mm	11'4"	3444 mm	11'4"	3492 mm	11'5"	<b>21</b>	3102 mm	10'2"	3102 mm	10'2"	3104 mm	10'2"
<b>11</b>	4099 mm	13'5"	4099 mm	13'5"	4147 mm	13'7"	<b>22</b>	5697 mm	18'8"	5737 mm	18'10"	5762 mm	18'11"

	926M		930M		938M	
Operating weight	12 568 kg	27,706 lb	13 815 kg	30,456 lb	15 649 kg	34,498 lb
Rated load* (50% of full turn tip** SAE J1197)						
Fixed tab (9)	2192 kg	4,833 lb	2617 kg	5,770 lb	3019 kg	6,655 lb
Minimum extension (10)	1998 kg	4,405 lb	2385 kg	5,258 lb	2753 kg	6,069 lb
Middle extension (11)	1721 kg	3,794 lb	2055 kg	4,531 lb	2377 kg	5,241 lb
Maximum extension (12)	1510 kg	3,328 lb	1804 kg	3,977 lb	2090 kg	4,608 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.



# Operating Specifications

## Operating Specifications with High Dump Buckets



		Pin On			Fusion			ISO 23727			High Lift		
		926M	930M	938M	926M	930M	938M	926M	930M	938M	926M	930M	938M
Rated Capacity	m <sup>3</sup>	3.0	3.5	4.1	3.0	3.5	4.1	3.0	3.5	4.1	–	–	–
	yd <sup>3</sup>	4.0	4.6	5.4	3.9	4.6	5.4	3.9	4.6	5.4	–	–	–
Capacity – Rated at 110%	m <sup>3</sup>	3.3	3.9	4.5	3.3	3.9	4.5	3.3	3.9	4.5	–	–	–
	Fill Factor yd <sup>3</sup>	4.4	5.0	5.9	4.3	5.0	5.9	4.3	5.0	5.9	–	–	–
Bucket Width	mm	2528	2728	3030	2528	2728	3032	2528	2728	3032	–	–	–
	ft/in	8'4"	8'11"	9'11"	8'4"	8'11"	9'11"	8'4"	8'11"	9'11"	–	–	–
Nominal Material Density	kg/m <sup>3</sup>	946	986	1051	939	956	908	875	911	873	–	–	–
	110% Fill Factor lb/yd <sup>3</sup>	1,594	1,662	1,772	1,582	1,611	1,531	1,474	1,535	1,471	–	–	–
<b>1</b> Length: Overall	mm	7874	7914	8044	7880	7986	8126	8133	8173	8303	+642	+794	+737
	ft/in	25'10"	26'0"	26'5"	25'10"	26'2"	26'8"	26'8"	26'10"	27'3"	+2'1"	+2'7"	+2'5"
<b>2</b> Dump Clearance: Full Lift Rolled Out	mm	4252	4252	4264	4275	4332	4354	4392	4516	4531	+440	+568	+545
	ft/in	13'11"	13'11"	14'0"	14'0"	14'3"	14'3"	14'5"	14'10"	14'10"	+1'5"	+1'10"	+1'9"
<b>3</b> Clearance: Level Bucket	mm	4592	4592	4647	4606	4609	4725	4743	4841	4896	+451	+574	+553
	ft/in	15'1"	15'1"	15'3"	15'1"	15'1"	15'6"	15'7"	15'11"	16'1"	+1'6"	+1'11"	+1'10"
<b>4</b> Height: Overall	mm	6255	6298	6367	6268	6315	6446	6405	6547	6597	+451	+574	+632
	ft/in	20'6"	20'8"	20'11"	20'7"	20'9"	21'2"	21'0"	21'6"	21'8"	+1'6"	+1'11"	+1'10"
<b>5</b> Reach: Full Lift Rolled Out	mm	1425	1425	1489	1421	1458	1530	1607	1555	1620	+253	+329	+278
	ft/in	4'8"	4'8"	4'11"	4'8"	4'9"	5'0"	5'3"	5'1"	5'4"	+0'10"	+1'1"	+0'11"
<b>6</b> Dig Depth	mm	80	80	96	100	100	116	93	93	109	+35	+35	+35
	in	3.2"	3.2"	3.8"	3.9"	3.9"	4.6"	3.7"	3.7"	4.3"	+1.4"	+1.4"	+1.4"
<b>7</b> Maximum Dump Angle	degree	52	52	51	50	49	49	55	48	48	–	–	–
<b>8</b> Rack Angle at Carry	degree	41	41	54	43	43	43	44	44	44	–	–	–
Tipping Load – Straight ISO 14397-1*	kg	7434	9011	11 284	7344	8767	9819	6854	8361	9440	–1921	–2545	–2698
	lb	16,389	19,864	24,876	16,190	19,328	21,646	15,110	18,432	20,810	–4,235	–5,611	–5,948
Tipping Load – Straight Rigid Tire**	kg	7744	9386	11754	7650	9132	10 228	7140	8709	9833	–2001	–2651	–2811
	lb	17,072	20,692	25,912	16,865	20,133	22,548	15,740	19,200	21,677	–4,411	–5,844	–6,197
Tipping Load – Full Turn ISO 14397-1*	kg	6297	7593	9482	6197	7360	8194	5772	7011	7873	–1695	–2230	–2357
	lb	13,881	16,739	20,903	13,661	16,225	18,063	12,725	15,456	17,356	–3,737	–4,916	–5,196
Tipping Load – Full Turn Rigid Tire**	kg	6699	8078	10087	6592	7830	8717	6141	7458	8375	–1803	–2372	–2507
	lb	14,767	17,807	22,237	14,533	17,261	19,216	13,538	16,443	18,464	–3,975	–5,229	–5,527
Breakout Force	kg	6560	8965	9493	6722	8742	8957	5539	7641	7900	–361	–227	–368
	lb	14,463	19,764	20,929	14,819	19,272	19,745	12,211	16,845	17,415	–796	–500	–811
Operating Weight	kg	13 439	14 778	16 845	13 728	15 064	17 229	13 691	15 027	17 146	+278	+285	+327
	lb	29,628	32,579	37,136	30,264	33,210	37,981	30,182	33,128	37,798	+613	+628	+721

\*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.

# Bucket Selection Tables

## High Dump Bucket Selection – Standard Lift

Material Type		Material Type														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			Sugar, Raw Cane	Fertilizer, Mixed	Coal Anthracite, Washed Gypsum, Pulverized		
Fill Factor %		Fill Factor %																				
926M	Pin On	m <sup>3</sup>	Counter-weight	kg/m <sup>3</sup>	560	620	680	740	800	860	920	980	1040	1100	1160	kg	lb					
		yd <sup>3</sup>	lb/yd <sup>3</sup>	(944)	(1,045)	(1,146)	(1,247)	(1,348)	(1,450)	(1,551)	(1,652)	(1,753)	(1,854)	(1,955)								
926M	Pin On	3.0 (4.0)	Log/Agg								115%	110%	105%	100%		6685	(14,737)					
			Heavy								115%	110%	105%	100%		6297	(13,881)					
		3.5 (4.6)	Log/Agg								115%	110%	105%	100%			6611	(14,573)				
			Heavy							115%	110%	105%	100%				6222	(13,716)				
		4.1 (5.4)	Log/Agg			115%	110%	105%	100%									6192	(13,651)			
			Heavy		115%	110%	105%	100%										5807	(12,801)			
	Fusion	3.0 (3.9)	Log/Agg									115%	110%	105%	100%		6590	(14,527)				
			Heavy									115%	110%	105%	100%		6197	(13,661)				
		3.5 (4.6)	Log/Agg							115%	110%	105%	100%					6382	(14,069)			
			Heavy						115%	110%	105%	100%						5995	(13,216)			
		4.1 (5.4)	Log/Agg			115%	110%	105%	100%										5973	(13,169)		
			Heavy		115%	110%	105%	100%											5589	(12,322)		
930M	Pin On	3.5 (4.6)	Log/Agg								115%	110%	105%	100%		7973	(17,576)					
			Heavy								115%	110%	105%	100%		7593	(16,739)					
		4.1 (5.4)	Log/Agg							115%	110%	105%	100%					7126	(15,709)			
			Standard							115%	110%	105%	100%					7544	(16,630)			
		5.0 (6.5)	Log/Agg			115%	110%	105%	100%										7167	(15,800)		
			Standard			115%	110%	105%	100%										6704	(14,778)		
	Fusion	3.5 (4.6)	Log/Agg									115%	110%	105%	100%		7738	(17,059)				
			Heavy									115%	110%	105%	100%		7360	(16,225)				
		4.1 (5.4)	Log/Agg							115%	110%	105%	100%						7319	(16,135)		
			Heavy						115%	110%	105%	100%							6944	(15,309)		
		5.0 (6.5)	Log/Agg			115%	110%	105%	100%											7167	(15,799)	
			Heavy		115%	110%	105%	100%												6794	(14,977)	
938M	Pin On	4.1 (5.4)	Log/Agg										115%	110%	105%	100%	9892	(21,808)				
			Heavy										115%	110%	105%	100%	9482	(20,903)				
		5.0 (6.5)	Log/Agg							115%	110%	105%	100%							8977	(19,791)	
			Standard							115%	110%	105%	100%							8665	(19,102)	
		5.0 (6.5)	Log/Agg							115%	110%	105%	100%								8296	(18,289)
			Standard							115%	110%	105%	100%								7843	(17,289)
	Fusion	4.1 (5.4)	Log/Agg											115%	110%	105%	100%			8566	(18,883)	
			Heavy											115%	110%	105%	100%			8194	(18,063)	
		5.0 (6.5)	Log/Agg							115%	110%	105%	100%								8410	(18,541)
			Heavy							115%	110%	105%	100%								8040	(17,725)

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 thru 6, which requires 2% verification between calculation and testing.

# Bucket Selection Tables

## High Dump Bucket Selection – High Lift

Material Type		Fill Factor %													Tip Load Full Turn*		
		115%	115%	115%	110%	105%	110%	115%	115%	110%	115%	100%	110%	100%			100%
m <sup>3</sup>	yd <sup>3</sup>	Counter-weight	kg/m <sup>3</sup>	345	390	435	480	525	570	615	660	705	750	795	kg	lb	
		lb/yd <sup>3</sup>	(581)	(657)	(733)	(809)	(885)	(961)	(1,037)	(1,112)	(1,188)	(1,264)	(1,340)				
<b>926M High Lift</b>	Pin On	3.0 (4.0)	Log/Agg Heavy	Not Available													
		3.5 (4.6)	Log/Agg Heavy	Not Available													
		4.1 (5.4)	Log/Agg Heavy	Not Available													
	Fusion	3.0 (3.9)	Log/Agg Heavy	Not Available													
		3.5 (4.6)	Log/Agg Heavy	Not Available													
		4.1 (5.4)	Log/Agg Heavy	Not Available													
<b>930M High Lift</b>	Pin On	3.5 (4.6)	Log/Agg Heavy	Not Available													
		4.1 (5.4)	Log/Agg Heavy	Not Available													
		5.0 (6.5)	Log/Agg Heavy	Not Available													
	Fusion	3.5 (4.6)	Log/Agg Heavy	Not Available													
		4.1 (5.4)	Log/Agg Heavy	Not Available													
		5.0 (6.5)	Log/Agg Heavy	Not Available													
<b>938M High Lift</b>	Pin On	4.1 (5.4)	Log/Agg Heavy	Not Available													
		5.0 (6.5)	Log/Agg Heavy	Not Available													
		5.0 (6.5)	Standard														
	Fusion	4.1 (5.4)	Log/Agg Heavy	Not Available													
		5.0 (6.5)	Log/Agg Heavy	Not Available													
		5.0 (6.5)	Standard														

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 thru 6, which requires 2% verification between calculation and testing.



## Optional Equipment

	926M				930M				938M			
	Operating weight		Tipping load – full turn		Operating weight		Tipping load – full turn		Operating weight		Tipping load – full turn	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
<b>Change with options removed:</b>												
Heavy counterweight	N/A	N/A	N/A	N/A	-319	-704	-501	-1,104	-320	-705	-494	-1,089
Guard, crankcase	-11	-23	-13	-29	-11	-23	-13	-28	-9	-20	-12	-27
Guard, power train lower	-77	-169	-68	-150	-77	-169	-68	-150	-68	-150	-60	-133
Guard, driveshaft	-43	-95	-10	-23	-43	-95	-10	-23	-43	-96	-10	-23
Secondary steer	-68	-151	-72	-159	-68	-151	-72	-158	-67	-148	-71	-156
Ride control	-48	-106	-25	-55	-48	-106	-25	-55	-47	-103	-25	-55
<b>Change with options added:</b>												
Logger/Aggregate counterweight	+299	+659	+421	+928	+299	+659	+410	+903	+298*	+658*	+402*	+886*
Guard, front window	+35	+76	+20	+43	+35	+76	+20	+43	+36	+79	+20	+44
Guard, rear radiator	N/A	N/A	N/A	N/A	+264	+583	+467	+1,029	+286	+630	+494	+1,088
Guard, power train side	+10	+22	+10	+21	+10	+22	+10	+21	+12	+26	+10	+22
Cold start package	+55	+120	+76	+168	+55	+120	+76	+167	+56	+123	+75	+166
Roading fenders	+18	+40	+25	+55	+18	+40	+25	+55	+20	+43	+25	+56

\*Not compatible with 23.5R25 tires.

## Tire Options



	926M				930M				938M*			
	550/65 R25		17.5 R25 (L-3)		600/65 R25		20.5R25 (L-5)		23.5R25**		Solid Tires***	
<b>Change with tire option as compared to 20.5R25 L3 tire</b>	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Vertical heights	-70	-2.8"	-65	-2.6"	-15	-0.6"	+35	+1.4"	+65	+2.6"	+39	+1.5"
Reach: bucket at 45°	+43	+1.7"	+73	+2.9"	+29	+1.1"	-21	-0.8"	-63	-2.5"	-6	-0.2"
Width: Over tires	+21	+0.8"	-69	-2.7"	+101	+4.0"	-14	-0.6"	+38	+1.5"	-84	-3.3"
Turning radius: Outside of tires	+4	+0.2"	-45	-1.8"	+44	+1.7"	+26	+1.0"	+20	+0.8"	-1	0.0"
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Tipping load – straight	-83	-182	-212	-466	+9	+20	+396	+873	+480	+1,058	+1555	+3,429
Tipping load – full turn	-72	-158	-183	-403	+8	+18	+343	+755	+415	+914	+1345	+2,965
Operating weight	-126	-277	-322	-709	+14	+31	+605	+1,335	+738	+1,626	+2392	+5,272

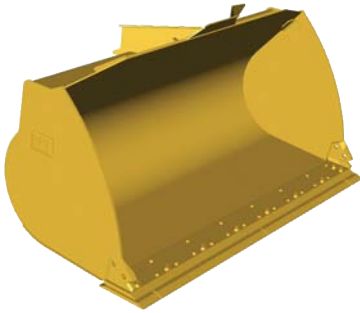
\*Offset rims available to meet European roading requirements.

\*\*938M compatible with standard counterweight for general construction and heavy counterweight for Aggregate or Forest Handlers.

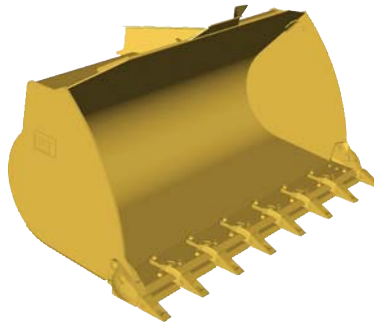
\*\*\*938M compatible with standard counterweight (solid tires) only.

# Supplemental Specifications

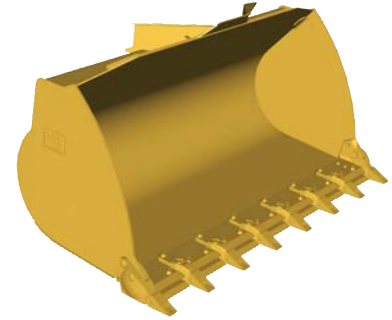
## Ground Engagement Options



**Bolt-on Cutting Edge**



**Long Teeth and Segments**



**Short Teeth and Segments**

Change with Ground Engagement option compared to Bolt-on Cutting Edge	926M				930M				938M			
	Long Teeth and Segments		Short Teeth and Segments		Long Teeth and Segments		Short Teeth and Segments		Long Teeth and Segments		Short Teeth and Segments	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Dig depth	+12	+0.5"	+5	+0.2"	+12	+0.5"	+5	+0.2"	+12	+0.5"	+5	+0.2"
Length: overall	+146	+5.7"	+121	+4.8"	+146	+5.7"	+121	+4.8"	+146	+5.7"	+121	+4.8"
Dump clearance	-103	-4.1"	-82	-3.2"	-104	-4.1"	-83	-3.3"	-105	-4.1"	-84	-3.3"
Reach	+104	+4.1"	+89	+3.5"	+103	+4.0"	+88	+3.5"	+102	+4"	+87	+3.4"
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Tipping Load – straight	-147	-325	-141	-311	-149	-329	-143	-315	-138	-304	-144	-317
Tipping Load – full turn	-144	-318	-138	-305	-146	-322	-140	-309	-135	-298	-141	-310
Breakout force	-121	-266	-115	-254	-121	-266	-115	-254	-112	-246	-115	-254
Operating weight	+120	+265	+116	+255	+120	+265	+116	+255	+111	+245	+116	+255

## Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential – 1430). The system contains 1.9 kg of refrigerant which has a CO<sub>2</sub> equivalent of 2.717 metric tonnes.

## Standard Equipment

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

### POWER TRAIN

- Axle seal guards
- Auto idle shut down feature
- Cat C7.1 ACERT engine
  - Power Modes (Standard and Performance)
  - Power by Range (High Power in Range 4)
  - Turbocharged and aftercooled
  - Diesel particulate filter (Fit for Life)
- Coolant protection to  $-34^{\circ}\text{C}$  ( $-29^{\circ}\text{F}$ )
- Differential lock in front axle
- Dry type air cleaner
- Enclosed wet disc full hydraulic brakes
- Fuel priming pump, automatic
- Fuel water separator
- Hydraulically driven demand cooling fan
- Intelligent hydrostatic transmission
  - Power train modes
  - Directional shift aggressiveness
  - Rimpull control, adjust wheel torque
  - Creeper control, adjust ground speed
- Lubed for life driveshafts
- Parking brake, electric
- Wide spaced 6 fins per inch cooling package
- S-O-S<sup>SM</sup> sampling ports
- Throttle lock and maximum speed limiter

### HYDRAULICS

- Automatic lift, lower and tilt kickouts
- Bucket and Fork Modes, adjustable in-cab
- Cylinder damping at kickout and end stops
- Fine Mode control in Fork Mode
- Hydraulic Response setting
- Load sensing hydraulics and steering
- Seat-mounted hydraulic joystick controls

### ELECTRICAL

- Alternator, 115-amp, heavy duty
- 12V power supply in cab (2)
- Batteries, 1,000 CCA (2) 24 volt system
- Back-up alarm
- Emergency shutdown switch
- Heavy duty gear reduction starter
- Product Link PRO with subscription
- Remote jump start post
- Resettable critical function breakers

### OPERATOR ENVIRONMENT

- 75 mm (3 in) retractable seat belt, with audible alarm and indicator
- Automatic temperature control
- Cab, enclosed and pressurized
- Cup holders
- External heated mirrors with lower parabolic
- Ground level cab door release

- Gauges
  - Digital hour, odometer, tachometer, ground speed and direction indicator
  - Engine coolant temperature gauge
  - Fuel and Diesel Exhaust Fluid level
  - Hydraulic oil temperature gauge
- Hydraulic control lockout
- Interior cab lighting, door and dome
- Interior rearview mirrors (2)
- Lunch box storage
- Operator warning system indicators
- Radio ready speakers
- Rear window defrost, electric
- Seat-mounted controls, adjustable
- Sliding glass on the side windows
- Column mounted multi function control – lights, wipers, turn signal
- Suspension seat, fabric
- Tilt and telescopic steering wheel
- Wet arm wiper/washer, front and rear

### OTHER STANDARD EQUIPMENT

- Large-access enclosure doors
- Parallel lift loader linkage
- Recovery hitch with pin
- Remote mounted lubrication points
- Lockable compartments and enclosures

## Optional Equipment

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

- Antifreeze/coolant, extended-life
- Autolube, integrated in secondary display
- Auxiliary flow, third and fourth function
- Axles, differential, limited slip, rear
- Beacon light, strobe
- Cab, deluxe (standard in Europe):
  - Automatic blower control
  - Electrically adjustable heated mirrors (2)
  - LED interior lighting
  - Touchscreen secondary display
- Ride control adjustable speed activation
- Preventative maintenance reminders
- Integrated help function (26 languages)
- Sunscreen, front and rear
- Camera, rearview (standard in Europe)
- Camera, roof mounted, front view with separate monitor\*
- Cold start package:
  - Ether starting aid, block heater and additional batteries, 1,000 CCA (4 total)
- Counterweight, (heavy and logger)
- Coupler, (Fusion and ISO 23727)
- Debris packages (low, medium, high)
- Fenders (extended cover and full coverage)
- Guards
  - Power train, (lower, side, driveshaft and crankcase)
  - Windshield and lights
  - Cylinders, tilt and steering
  - Rear radiator, heavy duty
- Linkage, high lift
- Lights, auxiliary, halogen or LED with engine and DEF compartment lights
- Lights, roading LED
- Payload Technology
  - Cat Production Measurement (CPM)
  - CPM Printer
- Rear Object Detection
- Radio packages:
  - Radio ready with Bluetooth
  - Radio, AM/FM with Bluetooth and clock
  - Radio, AM/FM with CD player deluxe, weatherband, Bluetooth and clock
- Seats:
  - Deluxe seat – fully adjustable fabric air suspension seat with mid seat backrest
  - Premium seat – fully adjustable leather and fabric air suspension with high backrest and air lumbar support. Heated and cooled bottom cushion and backrest.
- Steering:
  - Dual mode and Secondary
- Tires:
  - Bias ply, 17.5, 20.5-25, Skidder
  - Radial, 17.5, 20.5, 23.5, 550/65, 600/65, 650/65 R25
  - Solid tires, 620/65, 750/65 Agriculture
- Tire Pressure Monitoring (TPM)
- Toolbox
- Work tools

\*May be required for local EU requirements.



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AEHQ7475-03 (09-2019)  
Replaces AEHQ7475-02  
(Americas North, Europe,  
Israel, South Korea)

