

# 926M, 930M, 938M

## Wheel Loaders



	926M	930M	938M***
<b>Engine Model*</b>	Cat® C7.1	Cat C7.1	Cat C7.1
<b>Engine Power:</b>			
ISO 14396	125 kW (168 hp)	125 kW (168 hp)	140 kW (188 hp)
ISO 14396 (DIN)	170 mhp	170 mhp	190 mhp
<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>	7599 kg (16,752 lb)** 8071 kg (17,792 lb)^	8811 kg (19,424 lb)** 9256 kg (20,405 lb)^	9949 kg (21,934 lb)** 10 399 kg (22,926 lb)~
<b>Operating Weight</b>	12 789 kg (28,193 lb)** 13 116 kg (28,914 lb)^	14 235 kg (31,382 lb)** 14 562 kg (32,103 lb)^	16 229 kg (35,778 lb)** 16 999 kg (37,476 lb)~

\*Engine meets U.S. EPA Tier 4 Final, EU Stage V and Korea Tier 5 emission standards.

\*\*General machine configuration.

\*\*\*J3R serial number prefix will meet U.S. EPA Tier 4 Final only in North America.

^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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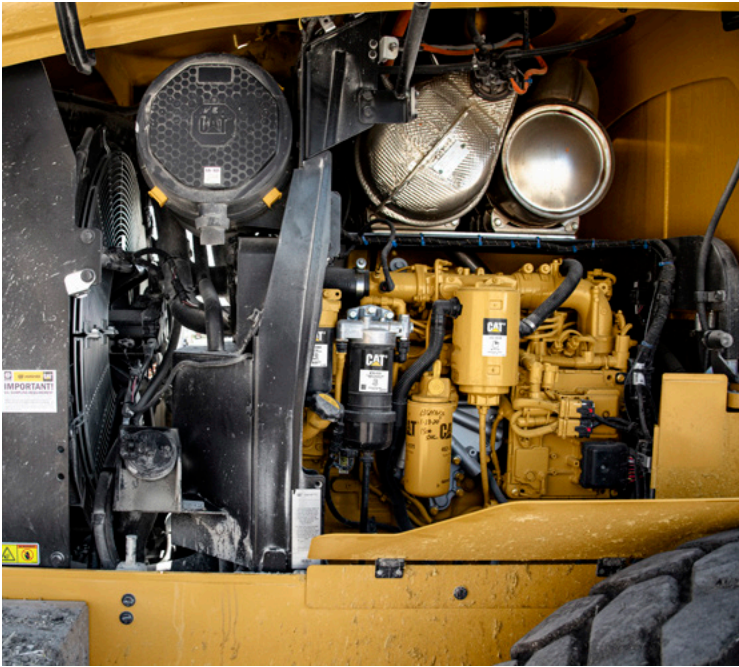


**The Cat® 926M, 930M and 938M Small Wheel Loaders set the standard for productivity, fuel efficiency and operator comfort. The improved optimized Z-bar loader linkage delivers the quick loading performance of a traditional Z-bar with the parallelism and load handling capability of a tool carrier. A high torque, low speed C7.1 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.**

# 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.





# 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 68 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 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.

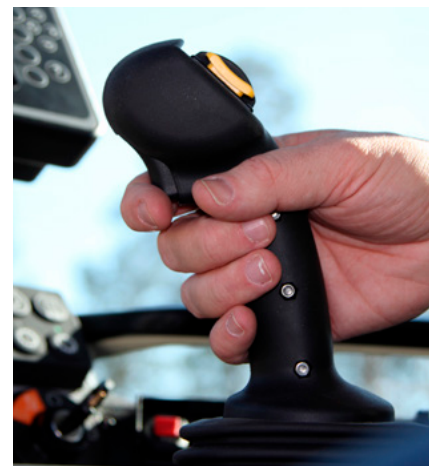
- **No downtime for regeneration** with a passive low temperature system that keeps you on the job.
- **Fit for Life Diesel Particulate Filter (DPF)** that is designed to exceed the engine overhaul life.
- **Extended fluid fill intervals** with minimal use of Diesel Exhaust Fluid (DEF) also referred 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 offers additional visibility when compared with previous plate style couplers.

*\*New lift arms only available on standard lift 926M, 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 178 mm (7 in) full color touch screen display.
- **An extra eye on the job site** with standard rear view camera, optional integrated rear object detection and optional\* forward facing camera system.
- **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.

*\*Forward facing camera system 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 ground speed 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

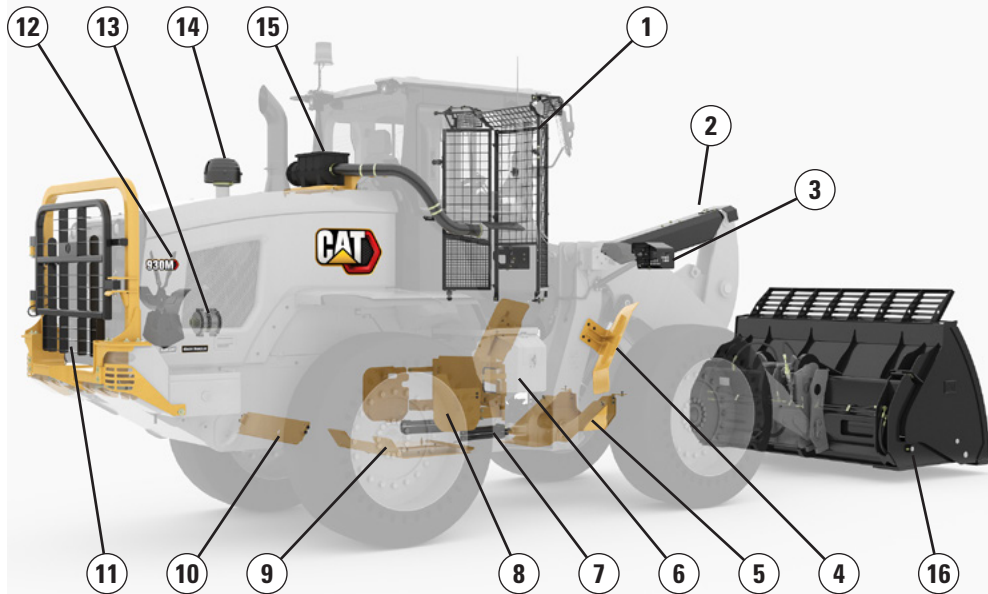
- The M Series Wheel Loaders will remember you and your personal settings with unique operator codes to make this machine truly yours and keep it secure.

# 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:

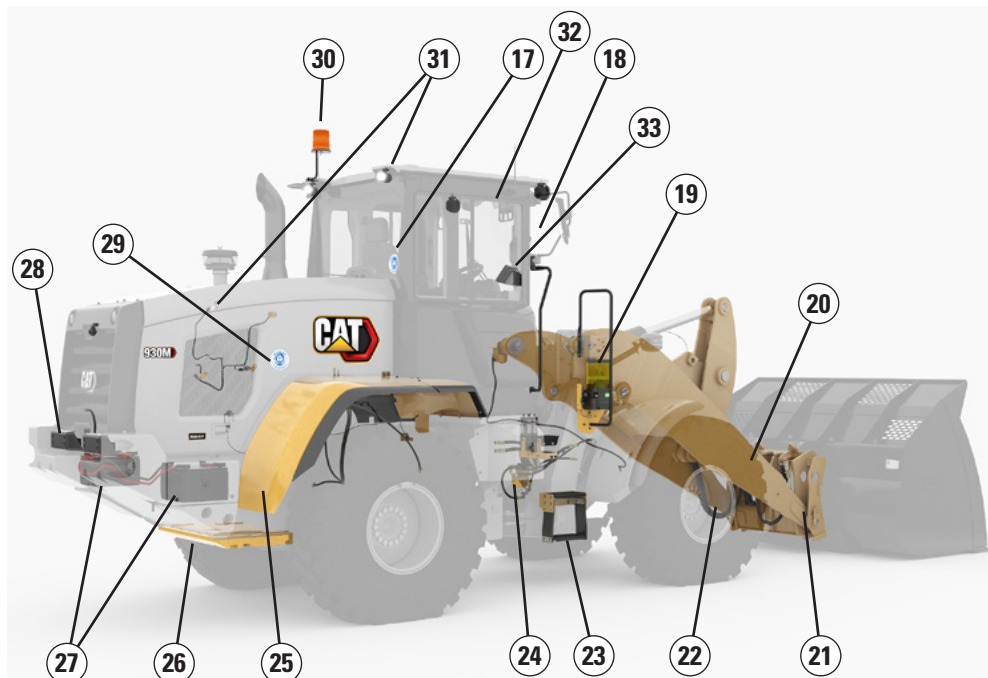
- 1) Windshield
- 2) Tilt cylinder
- 3) Lights
- 4) Fender deflectors
- 5) Drive shaft
- 6) Hitch
- 7) Steering cylinders
- 8) Side power train
- 9) Lower power train
- 10) Crank case
- 11) Rear radiator (930M and 938M only)

### 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

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

## Engine

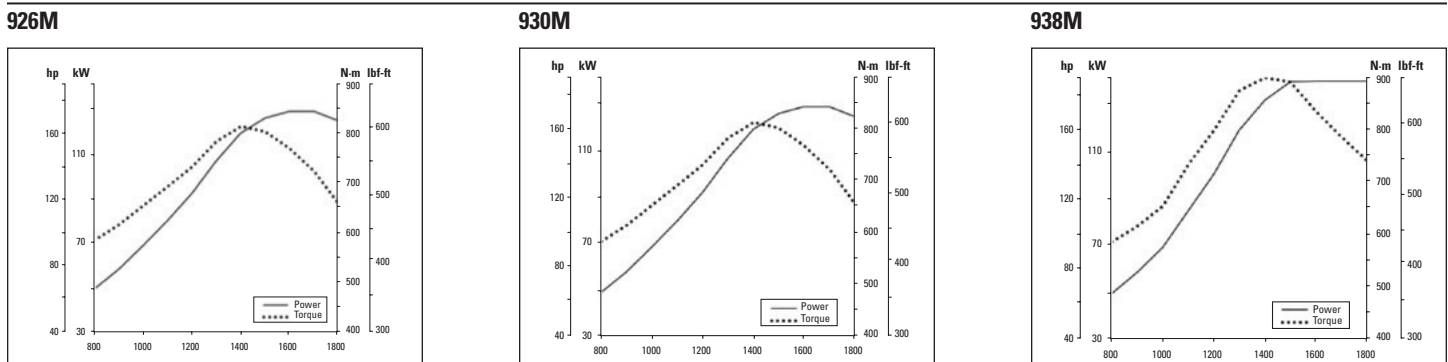
Power Mode	926M				930M				938M			
	Cat C7.1 **				Cat C7.1 **				Cat C7.1 **			
	Performance (HP+) Range 1-4		Standard Range 1-3*		Performance (HP+) Range 1-4		Standard Range 1-3*		Performance (HP+) Range 1-4		Standard Range 1-3*	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
Maximum Gross Power												
Maximum Engine Speed	1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm	
ISO 14396	125	168	119	160	125	168	119	160	140	188	129	173
ISO 14396 (DIN)	170 mhp		162 mhp		170 mhp		162 mhp		190 mhp		176 mhp	
Net Power	1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm		1,800 rpm		1,600 rpm	
SAE J1349 at Minimum Fan Speed	122	163	116	156	122	163	116	156	137	183	127	170
ISO 9249 at Minimum Fan Speed	122	164	116	156	122	164	116	156	137	184	127	170
ISO 9249 (DIN) at Minimum Fan Speed	166 mhp		158 mhp		166 mhp		158 mhp		186 mhp		172 mhp	
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	815	601	795	586	815	601	795	586	900	664	870	642
Maximum Net Torque												
SAE J1349	797	588	777	573	797	588	777	573	880	649	850	627
ISO 9249	796	587	776	572	796	587	776	572	882	650	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 engine meets Tier 4 Final/Stage V emission standards.

- Net power ratings are tested at the reference conditions for the specified standard in effect at the time on manufacture 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



## Cab



- ROPS: ISO 3471:2008, FOPS: ISO 3449:2005 LEVEL II
- Declared Sound Levels
  - Operator Sound Pressure Level (ISO 6396:2008): 68 dB(A)\*
  - Exterior Sound Power Level (ISO 6395:2008): 101 dB(A)\*

\* 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.

## 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.

# 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 – Standard Lift Linkage:						
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: Standard Lift Linkage:						
Bore Diameter	140 mm	5.5 in	150 mm	5.9 in	150 mm	5.9 in
Rod Diameter	75 mm	3.0 in	90 mm	3.5 in	90 mm	3.5 in
Stroke	516 mm	20.3 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

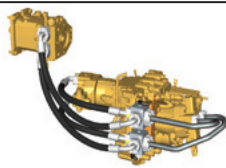


- Steering system uses a dedicated load sensing variable displacement pump with dual double acting cylinders.
- Flow values listed are for a machine running in Performance Power Mode (1,800 rpm).

	926M		930M		938M	
Steering Cylinder						
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
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

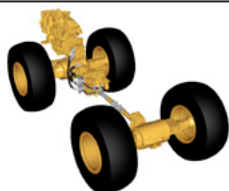
## Transmission



\* 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	Inboard 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 Axle	26 L	6.9 gal	26 L	6.9 gal	35 L	9.2 gal
Rear Axle	25 L	6.6 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 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

## Engine

- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

## 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 (4.2 lb) of refrigerant which has a CO2 equivalent of 2.717 metric tonnes (2.99 tons).

## Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

## Sound Performance

With cooling fan speed at 70% of maximum value:

Operator Sound Pressure Level (ISO 6396:2008) – 68 dB(A)\*

Exterior Sound Power Level (ISO 6395:2008) – 101 dB(A)

\*Measurements were conducted with properly installed and maintained cab doors and windows closed.

## Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Tire Pressure Monitoring
  - Cat Production Measurement
  - Rimpull
  - Power On Demand
  - Extended Maintenance Intervals
  - Intelligent Hystat Transmission
  - Performance Series Buckets
  - Engine Idle Hibernate
  - Engine Idle Shutdown
  - Variable Displacement Pumps

## Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	64.7%
Iron	15.1%
Nonferrous Metal	4.0%
Mixed Metal	1.0%
Mixed-Metal and Nonmetal	1.0%
Plastic	1.5%
Rubber	7.6%
Mixed Nonmetallic	0.9%
Fluid	2.5%
Other	0.6%
Uncategorized	2.0%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

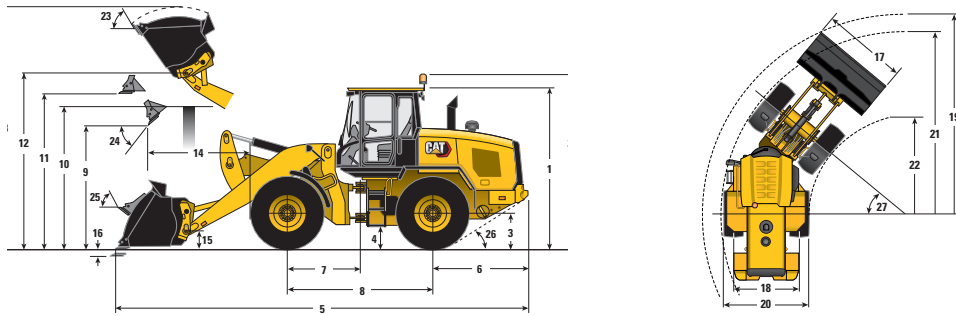
All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 94%

# 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	7383 mm	24'3"	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°	2881 mm	9'5"	2828 mm	9'3"	2834 mm	9'4"
** 10 Clearance: Load over Height	3351 mm	11'0"	3331 mm	10'11"	3354 mm	11'0"
** 11 Clearance: Level Bucket	3576 mm	11'9"	3580 mm	11'9"	3641 mm	11'11"
** 12 Height: Bucket Pin	3903 mm	12'10"	3907 mm	12'10"	3969 mm	13'0"
** 13 Height: Overall	5072 mm	16'8"	5147 mm	16'11"	5273 mm	17'4"
* 14 Reach: Bucket at 45°	928 mm	3'1"	1064 mm	3'6"	1146 mm	3'9"
15 Carry Height: Bucket Pin	382 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	1930 mm	6'4"	1930 mm	6'4"	2083 mm	6'10"
19 Turning Radius: Over Bucket	5903 mm	19'4"	5933 mm	19'6"	6120 mm	20'1"
20 Width: Over Tires	2540 mm	8'4"	2540 mm	8'4"	2693 mm	8'10"
21 Turning Radius: Outside of Tires	5402 mm	17'9"	5402 mm	17'9"	5546 mm	18'2"
22 Turning Radius: Inside of Tires	2851 mm	9'4"	2851 mm	9'4"	2843 mm	9'4"
23 Rack Angle at Full Lift	53°		54°		54°	
24 Dump Angle at Full Lift	50°		49°		49°	
25 Rack Angle at Carry	41°		43°		43°	
26 Departure Angle	33°		33°		33°	
27 Articulation Angle	40°		40°		40°	

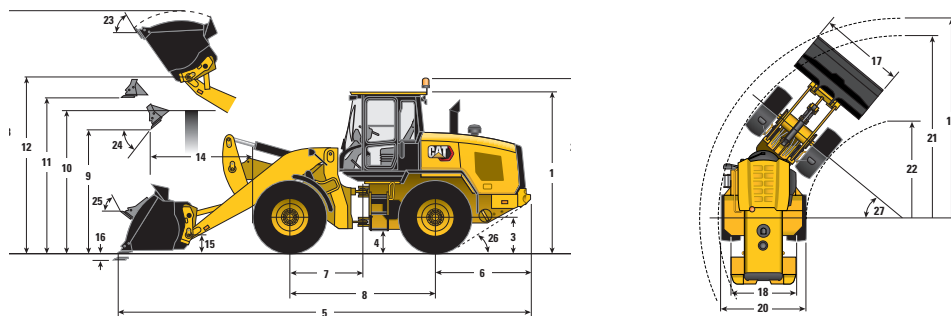
Unless otherwise noted, all Standard Lift dimensions and specifications listed are for a machine configured with the following:

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	Standard		Heavy		Heavy	



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

## Dimensions with Bucket



\*Vary with bucket.

\*\*Vary with tire.

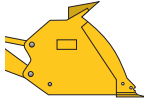
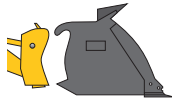

	High Lift					
	926M		930M		938M	
** 1 Height: Ground to Cab	3340 mm	10'11"	3340 mm	10'11"	3340 mm	10'11"
** 2 Height: Ground to Beacon	3707 mm	12'2"	3707 mm	12'2"	3707 mm	12'2"
** 3 Height: Ground Axle Center	685 mm	2'3"	685 mm	2'3"	685 mm	2'3"
** 4 Height: Ground Clearance	397 mm	1'4"	397 mm	1'4"	386 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	1930 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	2540 mm	8'4"	2540 mm	8'4"	2693 mm	8'10"
21 Turning Radius: Outside of Tires	5402 mm	17'9"	5402 mm	17'9"	5546 mm	18'2"
22 Turning Radius: Inside of Tires	2851 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	
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	Standard		Heavy		Heavy	

# Bucket Specifications

## 926M Operating Specifications with Buckets

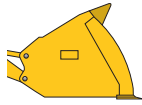
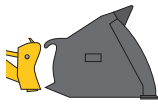
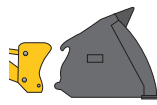
		General Purpose									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	1.9	2.1	2.3	1.9	2.1	2.3	2.1	2.3	–	
	yd <sup>3</sup>	2.5	2.7	3.0	2.5	2.7	3.0	2.7	3.0	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	2.1	2.3	2.5	2.1	2.3	2.5	2.3	2.5	–	
	yd <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>	1906	1712	1543	1818	1628	1471	1551	1401	–	
	lb/yd <sup>3</sup>	3,212	2,885	2,601	3,064	2,743	2,480	2,613	2,362	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2908	2851	2803	2881	2824	2775	2729	2680	+497	
	ft/in	9'6"	9'4"	9'2"	9'5"	9'3"	9'1"	8'11"	8'10"	+1'8"	
<b>14</b> Reach: full lift, 45° dump	mm	896	937	974	928	968	1006	1087	1123	+333	
	ft/in	2'11"	3'1"	3'2"	3'1"	3'2"	3'4"	3'7"	3'8"	+1'1"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1480	1492	1504	1499	1509	1520	1574	1581	+637	
	ft/in	4'10"	4'11"	4'11"	4'11"	4'11"	5'0"	5'2"	5'2"	+2'1"	
Reach: level arm, level bucket	mm	2231	2303	2366	2273	2345	2408	2496	2559	+570	
	ft/in	7'4"	7'7"	7'9"	7'5"	7'8"	7'11"	8'2"	8'5"	+1'10"	
<b>16</b> Dig depth	mm	100	100	100	100	100	100	93	93	+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	7341	7413	7476	7383	7455	7518	7601	7664	+677	
	ft/in	24'1"	24'4"	24'6"	24'3"	24'5"	24'8"	24'11"	25'2"	+2'3"	
<b>13</b> Height: overall	mm	5048	5118	5176	5072	5143	5201	5245	5303	+497	
	ft/in	16'7"	16'9"	17'0"	16'8"	16'10"	17'1"	17'2"	17'5"	+1'8"	
<b>19</b> Turning radius: over bucket	mm	5894	5916	5936	5903	5925	5945	5972	5993	+323	
	ft/in	19'4"	19'5"	19'6"	19'4"	19'5"	19'6"	19'7"	19'8"	+1'1"	
Tipping load – straight, ISO 14397-1*	kg	9270	9205	9098	8879	8793	8712	8381	8303	–2359	
	lb	20,436	20,294	20,057	19,574	19,385	19,207	18,477	18,303	–5,201	
Tipping load – straight, rigid tire**	kg	9556	9490	9379	9154	9065	8982	8641	8559	–2432	
	lb	21,068	20,921	20,677	20,180	19,985	19,801	19,049	18,869	–5,361	
Tipping load – full turn, ISO 14397-1*	kg	7967	7908	7808	7599	7519	7445	7164	7091	–2075	
	lb	17,563	17,435	17,214	16,752	16,577	16,412	15,793	15,632	–4,574	
Tipping load – full turn, rigid tire**	kg	8386	8325	8219	7999	7915	7837	7541	7464	–2184	
	lb	18,488	18,352	18,120	17,633	17,449	17,276	16,624	16,455	–4,815	
Breakout force	kg	12 073	11 265	10 618	11 557	10 798	10 206	9410	8941	–1843	
	lb	26,615	24,835	23,408	25,477	23,806	22,499	20,745	19,712	–4,063	
Operating weight	kg	12 450	12 468	12 532	12 789	12 833	12 870	12 803	12 841	+440	
	lb	27,446	27,487	27,627	28,193	28,290	28,374	28,224	28,308	+970	

\*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

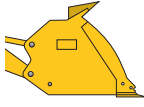
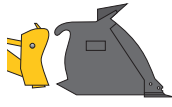

		Light Material									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	3.0	3.5	3.8	3.1	3.5	3.8	3.5	4.2	–	
	yd <sup>3</sup>	3.9	4.6	5.0	4.1	4.6	5.0	4.6	5.5	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	3.3	3.9	4.2	3.4	3.9	4.2	3.9	4.6	–	
	yd <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>	1141	960	868	1055	913	825	875	701	–	
	lb/yd <sup>3</sup>	1,923	1,617	1,463	1,778	1,538	1,391	1,475	1,181	–	
<b>9</b> Clearance: full lift, 45° dump	mm	2698	2625	2567	2667	2595	2538	2529	2358	+510	
	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	968	1040	1098	998	1070	1128	1101	1221	+353	
	ft/in	3'2"	3'5"	3'7"	3'3"	3'6"	3'8"	3'7"	4'0"	+1'2"	
Reach: 2130 mm (7'0") clearance, 45° dump	mm	1436	1463	1481	1448	1473	1490	1458	1485	+666	
	ft/in	4'9"	4'10"	4'10"	4'9"	4'10"	4'11"	4'9"	4'10"	+2'2"	
Reach: level arm, level bucket	mm	2454	2556	2638	2496	2598	2680	2667	2837	+570	
	ft/in	8'1"	8'5"	8'8"	8'2"	8'6"	8'9"	8'9"	9'4"	+1'10"	
<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	7563	7666	7747	7606	7708	7789	7796	7966	+677	
	ft/in	24'10"	25'2"	25'5"	24'11"	25'3"	25'7"	25'7"	26'2"	+2'3"	
<b>13</b> Height: overall	mm	5175	5280	5352	5200	5305	5378	5375	5541	+497	
	ft/in	17'0"	17'4"	17'7"	17'1"	17'5"	17'8"	17'8"	18'2"	+1'8"	
<b>19</b> Turning radius: over bucket	mm	6054	6086	6113	6064	6097	6123	6125	6182	+325	
	ft/in	19'10"	20'0"	20'1"	19'11"	20'0"	20'1"	20'1"	20'3"	+1'1"	
Tipping load – straight, ISO 14397-1*	kg	8806	8652	8507	8448	8268	8128	7932	7647	–2303	
	lb	19,413	19,073	18,755	18,624	18,228	17,918	17,487	16,858	–5,077	
Tipping load – straight, rigid tire**	kg	9078	8919	8770	8709	8524	8379	8177	7883	–2374	
	lb	20,014	19,663	19,335	19,200	18,792	18,473	18,028	17,380	–5,234	
Tipping load – full turn, ISO 14397-1*	kg	7532	7388	7256	7195	7027	6898	6740	6475	–2026	
	lb	16,604	16,288	15,997	15,862	15,491	15,207	14,859	14,274	–4,466	
Tipping load – full turn, rigid tire**	kg	7928	7777	7638	7574	7396	7261	7095	6816	–2133	
	lb	17,478	17,145	16,838	16,697	16,306	16,008	15,641	15,026	–4,702	
Breakout force	kg	9762	8950	8821	9405	8633	8508	8132	6849	–1532	
	lb	21,521	19,731	19,446	20,733	19,032	18,756	17,928	15,099	–3,377	
Operating weight	kg	12 760	12 846	12 911	13 076	13 194	13 259	13 118	13 281	+440	
	lb	28,130	28,319	28,464	28,826	29,086	29,231	28,918	29,278	+970	

\*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

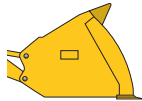
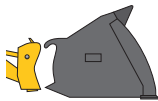

		General Purpose									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	2.1	2.3	2.5	2.1	2.3	2.5	2.1	2.3	–	
	yd <sup>3</sup>	2.7	3.0	3.3	2.7	3.0	3.3	2.7	3.0	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	2.3	2.5	2.8	2.3	2.5	2.8	2.3	2.5	–	
	yd <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

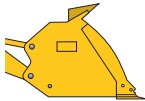


		Light Material									High Lift
		 <b>Pin On</b>			 <b>Fusion</b>			 <b>ISO 23727</b>			
Capacity – rated	m <sup>3</sup>	3.5	3.8	4.2	3.5	3.8	4.2	3.5	5.0	–	
	yd <sup>3</sup>	4.6	5.0	5.5	4.6	5.0	5.5	4.6	6.5	–	
Capacity – rated at 110% fill factor	m <sup>3</sup>	3.9	4.2	4.6	3.9	4.2	4.6	3.9	5.5	–	
	yd <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

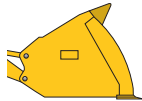
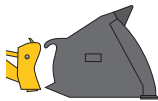

		General Purpose								
		 Pin On			 Fusion			 ISO 23727		
Capacity – rated	m <sup>3</sup>	2.5	2.7	2.9	2.5	2.7	2.9	2.5	2.7	–
	yd <sup>3</sup>	3.3	3.5	3.8	3.3	3.5	3.8	3.3	3.5	–
Capacity – rated at 110% fill factor	m <sup>3</sup>	2.8	3.0	3.2	2.8	3.0	3.2	2.8	3.0	–
	yd <sup>3</sup>	3.6	3.9	4.2	3.6	3.9	4.2	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%	115%		
m <sup>3</sup>	yd <sup>3</sup>	Counter-weight	kg/m <sup>3</sup>	1400	1475	1550	1625	1700	1775	1850	1925	2000	2075	2150	kg	lb
		lb/yd <sup>3</sup>	(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>	<b>Pin On</b>	1.9 (2.5)	Aggregate							115%	110%	105%	100%		8407	(18,534)
		2.1 (2.7)	Standard						115%	110%	105%	100%			7967	(17,563)
		2.3 (3.0)	Aggregate					115%	110%	105%	100%				8347	(18,401)
		2.3 (3.0)	Standard			115%	110%	105%	100%						7908	(17,435)
		2.3 (3.0)	Aggregate		115%	110%	105%	100%							8245	(18,175)
		2.3 (3.0)	Standard	115%	110%	105%	100%								7808	(17,214)
	<b>Fusion</b>	1.9 (2.5)	Aggregate							115%	110%	105%	100%		8033	(17,709)
		2.1 (2.7)	Standard					115%	110%	105%	100%				7599	(16,752)
		2.1 (2.7)	Aggregate				115%	110%	105%	100%					7952	(17,530)
		2.1 (2.7)	Standard		115%	110%	105%	100%							7519	(16,577)
		2.3 (3.0)	Aggregate		115%	110%	105%	100%							7845	(17,362)
		2.3 (3.0)	Standard	115%	110%	105%	100%								7445	(16,412)
<b>930M</b>	<b>Pin On</b>	2.1 (2.7)	Aggregate								115%	110%	105%		9626	(21,222)
		2.1 (2.7)	Heavy							115%	110%	105%	100%		9213	(20,310)
		2.1 (2.7)	Standard						115%	110%	105%	100%			8704	(19,189)
		2.3 (3.0)	Aggregate						115%	110%	105%	100%			9519	(20,985)
		2.3 (3.0)	Heavy				115%	110%	105%	100%					9107	(20,078)
		2.3 (3.0)	Standard			115%	110%	105%	100%						8601	(18,961)
	<b>Fusion</b>	2.1 (2.7)	Aggregate							115%	110%	105%	100%		9219	(20,323)
		2.1 (2.7)	Heavy						115%	110%	105%	100%			8811	(19,424)
		2.3 (3.0)	Aggregate					115%	110%	105%	100%				9137	(20,143)
		2.3 (3.0)	Heavy				115%	110%	105%	100%					8731	(19,247)
		2.5 (3.3)	Aggregate			115%	110%	105%	100%						9021	(19,888)
		2.5 (3.3)	Heavy	115%	110%	105%	100%								8617	(18,996)
<b>938M</b>	<b>Pin On</b>	2.5 (3.3)	Aggregate							115%	110%	105%	100%		10 828	(23,872)
		2.5 (3.3)	Heavy						115%	110%	105%	100%			10 420	(22,971)
		2.5 (3.3)	Standard					115%	110%	105%	100%				9918	(21,865)
		2.7 (3.5)	Aggregate					115%	110%	105%	100%				10 736	(23,668)
		2.7 (3.5)	Heavy				115%	110%	105%	100%					10 329	(22,772)
		2.7 (3.5)	Standard			115%	110%	105%	100%						9830	(21,670)
	<b>Fusion</b>	2.5 (3.3)	Aggregate			115%	110%	105%	100%						10 659	(23,498)
		2.5 (3.3)	Heavy		115%	110%	105%	100%							10 253	(22,604)
		2.5 (3.3)	Standard	115%	110%	105%	100%								9755	(21,506)
		2.7 (3.5)	Aggregate					115%	110%	105%	100%				10 352	(22,820)
		2.7 (3.5)	Heavy					115%	110%	105%	100%				9949	(21,934)
		2.7 (3.5)	Standard				115%	110%	105%	100%					10 260	(22,619)
2.9 (3.8)	Aggregate			115%	110%	105%	100%							10 860	(21,737)	
	Heavy		115%	110%	105%	100%								10 186	(22,455)	
2.9 (3.8)	Aggregate			115%	110%	105%	100%							9787	(21,575)	
	Heavy	115%	110%	105%	100%											

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

\*Full compliance to ISO 14397-1:2007 Section 1 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%		
		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)	Aggregate								115%	110%	105%	100%	7964	(17,558)			
				Standard														7532	(16,604)	
		3.5	(4.6)	Aggregate					115%	110%	105%	100%						7818	(17,235)	
				Standard				115%	110%	105%	100%							7388	(16,288)	
		3.8	(5.0)	Aggregate			115%	110%	105%	100%								7682	(16,935)	
				Standard	115%	110%	105%	100%										7256	(15,997)	
	<b>Fusion</b>	3.1	(4.1)	Aggregate							115%	110%	105%	100%				7622	(16,804)	
				Standard					115%	110%	105%	100%						7195	(15,862)	
		3.5	(4.6)	Aggregate				115%	110%	105%	100%							7451	(16,425)	
				Standard			115%	110%	105%	100%								7027	(15,491)	
		3.8	(5.0)	Aggregate		115%	110%	105%	100%										7319	(16,134)
				Standard	110%	105%	100%												6898	(15,207)
<b>930M</b>	<b>Pin On</b>	3.5	(4.6)	Aggregate								115%	110%	105%	100%	9075	(20,006)			
				Heavy								115%	110%	105%	100%			8670	(19,113)	
		3.8	(5.0)	Aggregate					115%	110%	105%	100%						8930	(19,686)	
				Heavy				115%	110%	105%	100%							8528	(18,800)	
		4.2	(5.5)	Aggregate			115%	110%	105%	100%									8804	(19,409)
				Heavy		115%	110%	105%	100%										8405	(18,529)
	<b>Fusion</b>	3.5	(4.6)	Aggregate							115%	110%	105%	100%				8695	(19,169)	
				Heavy						115%	110%	105%	100%						8295	(18,287)
		3.8	(5.0)	Aggregate				115%	110%	105%	100%							8554	(18,858)	
				Heavy			115%	110%	105%	100%								8157	(17,984)	
		4.2	(5.5)	Aggregate		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)	Aggregate								115%	110%	105%	100%	10319	(22,748)			
				Heavy								115%	110%	105%	100%			9919	(21,868)	
		4.2	(5.5)	Aggregate					115%	110%	105%	100%						10172	(22,424)	
				Heavy				115%	110%	105%	100%							9775	(21,549)	
		5.0	(6.5)	Aggregate			115%	110%	105%	100%									10169	(22,417)
				Heavy		115%	110%	105%	100%										9771	(21,541)
	<b>Fusion</b>	3.8	(5.0)	Aggregate									115%	110%	105%	100%	9859	(21,735)		
				Heavy								115%	110%	105%	100%			9466	(20,868)	
		4.2	(5.5)	Aggregate					115%	110%	105%	100%						9731	(21,452)	
				Heavy				115%	110%	105%	100%							9340	(20,591)	
		5.0	(6.5)	Aggregate		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 Gypsum, Pulverized Peat, Wet			Coal Anthracite, Raw Earth, Loam, Dry Salt, Fine Heavy Metal Scrap, Loose			Shale	Sand, Dry and Loose Clay and Gravel, Dry		Clay, Natural Bed, Dry						
Fill Factor %		105%	110%	110%	110%	110%	110%	105%	110%	105%	105%	105%	1435	1480	kg	lb		
Counterweight		kg/m <sup>3</sup> lb/yd <sup>3</sup>	1030 (1,736)	1075 (1,812)	1120 (1,888)	1165 (1,964)	1210 (2,039)	1255 (2,115)	1300 (2,191)	1345 (2,267)	1390 (2,343)	1435 (2,419)	1480 (2,495)	kg	lb			
926M High Lift	Pin On	1.9 (2.5)	Aggregate	Not Available													5861	(12,921)
		Standard	115% 110% 105% 100%															
		2.1 (2.7)	Aggregate	Not Available													5816	(12,822)
		Standard	115% 110% 105% 100%															
		2.3 (3.0)	Aggregate	Not Available													5730	(12,632)
		Standard	115% 110% 105% 100%															
	Fusion	1.9 (2.5)	Aggregate	Not Available													5523	(12,177)
		Standard	115% 110% 105% 100%															
		2.1 (2.7)	Aggregate	Not Available													5457	(12,031)
		Standard	115% 110% 105% 100%															
		2.3 (3.0)	Aggregate	Not Available													5396	(11,896)
		Standard	115% 110% 105% 100%															
930M High Lift	Pin On	2.1 (2.7)	Aggregate	Not Available													6650	(14,660)
		Standard	115% 110% 105% 100%															
		2.3 (3.0)	Aggregate	Not Available													6564	(14,471)
		Standard	115% 110% 105% 100%															
		2.5 (3.3)	Aggregate	Not Available													6450	(14,219)
		Standard	115% 110% 105% 100%															
	Fusion	2.1 (2.7)	Aggregate	Not Available													6287	(13,860)
		Standard	115% 110% 105% 100%															
		2.3 (3.0)	Aggregate	Not Available													6226	(13,726)
		Standard	115% 110% 105% 100%															
		2.5 (3.3)	Aggregate	Not Available													6129	(13,512)
		Standard	115% 110% 105% 100%															
938M High Lift	Pin On	2.5 (3.3)	Aggregate	Not Available													7688	(16,950)
		Standard	115% 110% 105% 100%															
		2.7 (3.5)	Aggregate	Not Available													7617	(16,791)
		Standard	115% 110% 105% 100%															
		2.9 (3.8)	Aggregate	Not Available													7557	(16,659)
		Standard	115% 110% 105% 100%															
	Fusion	2.5 (3.3)	Aggregate	Not Available													7272	(16,031)
		Standard	115% 110% 105% 100%															
		2.7 (3.5)	Aggregate	Not Available													7201	(15,875)
		Standard	115% 110% 105% 100%															
		2.9 (3.8)	Aggregate	Not Available													7143	(15,747)
		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

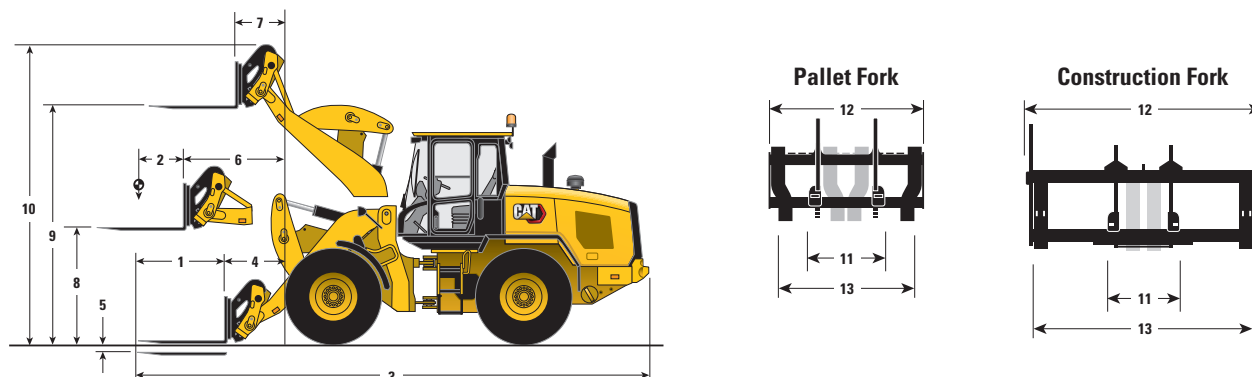
Material Type		Fill Factor %													Tip Load Full Turn*	
		Woodchips, Dry	Mulch, Wet	Municipal Solid Waste	Flour, Wheat	Compacted Solid Waste	Barley, Bulk	Asphalt, Crushed	Soy Beans, Bulk	Corn Shelled, Bulk	Glass, Semi Crushed	Bulk Grain	Wheat, Bulk	Silage, Packed		
926M High Lift	Pin On	Counter-weight	kg/m <sup>3</sup> lb/yd <sup>3</sup>	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
		926M High Lift	3.0 (3.9)	Aggregate	Not Available											
Standard											115%	110%	105%	100%		5477 (12,074)
3.5 (4.6)	Aggregate		Not Available													
	Standard							115%	110%	105%	100%					5355 (11,805)
3.8 (5.0)	Aggregate		Not Available													
	Standard					115%	110%	105%	100%							5249 (11,571)
3.1 (4.1)	Aggregate		Not Available													
	Standard									115%	110%	105%	100%			5169 (11,395)
3.5 (4.6)	Aggregate		Not Available													
	Standard						115%	110%	105%	100%						5020 (11,067)
3.8 (5.0)	Aggregate		Not Available													
	Standard				115%	110%	105%	100%								4917 (10,840)
930M High Lift	3.5 (4.6)	Aggregate	Not Available													
		Heavy								115%	110%	105%	100%		6191 (13,649)	
	Standard								115%	110%	105%	100%		5806 (12,799)		
	3.8 (5.0)	Aggregate	Not Available													
		Heavy								115%	110%	105%	100%		6084 (13,413)	
	Standard				115%	110%	105%	100%						5701 (12,568)		
	4.2 (5.5)	Aggregate	Not Available													
		Heavy								115%	110%	105%	100%		5988 (13,200)	
	Standard			115%	110%	105%	100%							5606 (12,360)		
	3.5 (4.6)	Aggregate	Not Available													
		Heavy								115%	110%	105%	100%		5852 (12,900)	
	3.8 (5.0)	Aggregate	Not Available													
Heavy									115%	110%	105%	100%		5747 (12,670)		
4.2 (5.5)	Aggregate	Not Available														
	Heavy								115%	110%	105%	100%		5652 (12,461)		
938M High Lift	3.8 (5.0)	Aggregate	Not Available													
		Heavy										115%	110%	105%	100%	7287 (16,066)
	Standard										115%	110%	105%	100%	6901 (15,214)	
	4.2 (5.5)	Aggregate	Not Available													
		Heavy										115%	110%	105%	100%	7170 (15,807)
	Standard								115%	110%	105%	100%		6786 (14,959)		
	5.0 (6.5)	Aggregate	Not Available													
		Heavy										115%	110%	105%	100%	7152 (15,768)
	Standard				115%	110%	105%	100%						6767 (14,918)		
	3.8 (5.0)	Aggregate	Not Available													
		Heavy										115%	110%	105%	100%	6883 (15,173)
	Standard										115%	110%	105%	100%	6501 (14,332)	
4.2 (5.5)	Aggregate	Not Available														
	Heavy										115%	110%	105%	100%	6783 (14,952)	
Standard										115%	110%	105%	100%	6403 (14,115)		
5.0 (6.5)	Aggregate	Not Available														
	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



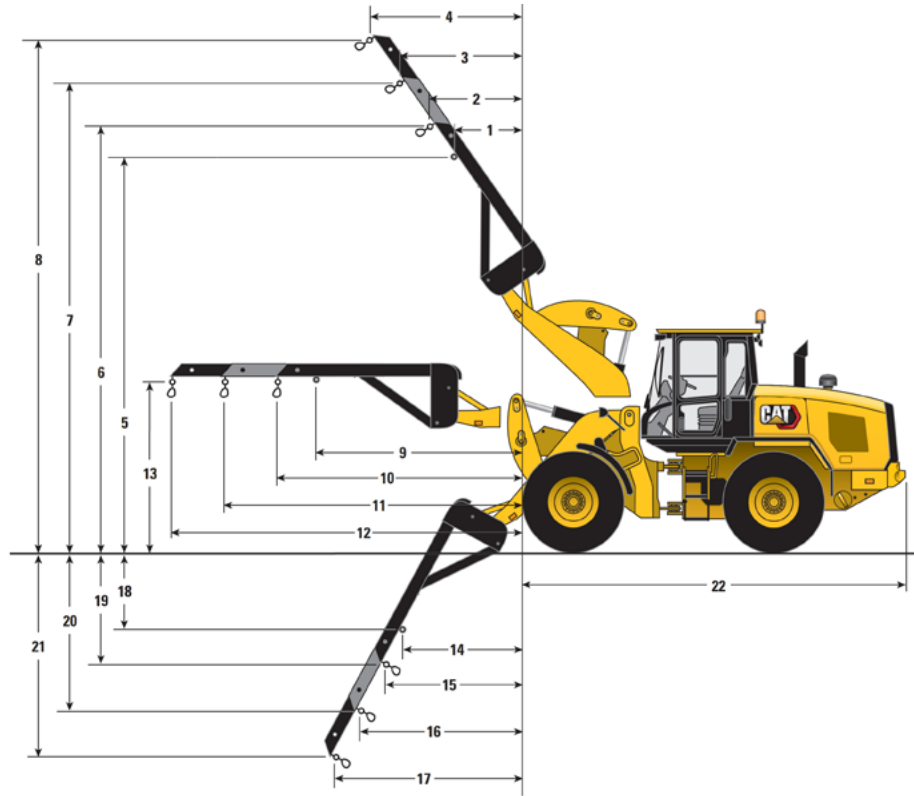
	Pallet Fork – Fusion						Construction Fork – Fusion					
	926M		930M		938M		926M		930M		938M	
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
<b>1</b> Fork tine length	1220	4'0"	1220	4'0"	1220	4'0"	1524	5'0"	1524	5'0"	1524	5'0"
<b>2</b> Load center	610	2'0"	610	2'0"	610	2'0"	762	2'6"	762	2'6"	762	2'6"
<b>3</b> Length: overall	7807	25'7"	7882	25'10"	7942	26'1"	8235	27'0"	8311	27'3"	8372	27'6"
Length: overall (high lift)	8495	27'10"	8689	28'6"	8695	28'6"	8907	29'3"	9098	29'10"	9107	29'11"
<b>4</b> Reach: ground	891	2'11"	926	3'0"	961	3'2"	1015	3'4"	1050	3'5"	1086	3'7"
<b>5</b> Height: minimum (bottom of tine)	47	1.8"	47	1.9"	44	1.7"	126	5.0"	126	5.0"	125	4.9"
<b>6</b> Reach: level arm	1522	5'0"	1569	5'2"	1617	5'4"	1581	5'2"	1628	5'4"	1676	5'6"
Reach: level arm (high lift)	2092	6'10"	2222	7'3"	2224	7'4"	2151	7'1"	2281	7'6"	2283	7'6"
<b>7</b> Reach: full lift	671	2'2"	767	2'6"	814	2'8"	730	2'5"	826	2'9"	873	2'10"
<b>8</b> Height: level arm (top of tine)	1761	5'9"	1792	5'11"	1830	6'0"	1693	5'7"	1724	5'8"	1760	5'9"
<b>9</b> Height: full lift (top of tine)	3689	12'1"	3693	12'1"	3758	12'4"	3620	11'11"	3625	11'11"	3688	12'1"
Height: full lift (top of tine, high lift)	4186	13'9"	4286	14'1"	4339	14'3"	4118	13'6"	4217	13'10"	4269	14'0"
<b>10</b> Height: overall	4671	15'4"	4676	15'4"	4740	15'7"	4931	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*	6794	14,979	8017	17,674	9226	20,340	6047	13,330	7196	15,863	8330	18,365
Tipping load – full turn, ISO 14397-1*	5838	12,870	6854	15,111	7871	17,352	5161	11,378	6117	13,485	7071	15,588
Operating weight	12 465	27,480	13 868	30,572	15 701	34,614	12 842	28,312	14 245	31,403	16 078	35,445
Rated load % of full turn tip:												
50% of tip: SAE J1197**	2919	6,435	3427	7,555	3935	8,676	2581	5,689	3059	6,743	3535	7,794
60% of tip: rough terrain EN474-3**	3503	7,722	4113	9,066	4723	10,411	3097	6,827	3670	8,091	4242	9,353
80% of tip: firm and level EN474-3**	4670	10,296	5483	12,089	6297	13,881	4129	9,103	4894	10,788	5657	12,470
Rated load % of full turn tip – High Lift												
50% of tip: SAE J1197**	2288	5,045	2627	5,792	3087	6,806	2011	4,434	2336	5,150	2770	6,106
60% of tip: rough terrain EN474-3**	2746	6,054	3153	6,950	3704	8,167	2414	5,321	2803	6,180	3324	7,328
80% of tip: firm and level EN474-3**	3661	8,072	4204	9,267	4939	10,889	3218	7,094	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>	1373 mm	4'6"	1451 mm	4'9"	1481 mm	4'10"	<b>12</b>	4707 mm	15'5"	4754 mm	15'7"	4802 mm	15'9"
<b>2</b>	1601 mm	5'3"	1676 mm	5'6"	1703 mm	5'7"	<b>13</b>	2483 mm	8'2"	2514 mm	8'3"	2550 mm	8'4"
<b>3</b>	2086 mm	6'10"	2156 mm	7'1"	2179 mm	7'2"	<b>14</b>	1221 mm	4'0"	1411 mm	4'8"	1452 mm	4'9"
<b>4</b>	2570 mm	8'5"	2636 mm	8'8"	2655 mm	8'9"	<b>15</b>	1374 mm	4'6"	1595 mm	5'3"	1637 mm	5'4"
<b>5</b>	5527 mm	18'2"	5544 mm	18'2"	5623 mm	18'5"	<b>16</b>	1507 mm	4'11"	1784 mm	5'10"	1829 mm	6'0"
<b>6</b>	5840 mm	19'2"	5859 mm	19'3"	5940 mm	19'6"	<b>17</b>	1641 mm	5'5"	1973 mm	6'6"	2021 mm	6'8"
<b>7</b>	6280 mm	20'7"	6304 mm	20'8"	6390 mm	21'0"	<b>18</b>	1586 mm	5'2"	1508 mm	4'11"	1512 mm	5'0"
<b>8</b>	6721 mm	22'1"	6750 mm	22'2"	6840 mm	22'5"	<b>19</b>	1941 mm	6'4"	1848 mm	6'1"	1852 mm	6'1"
<b>9</b>	3018 mm	9'11"	3065 mm	10'1"	3113 mm	10'3"	<b>20</b>	2582 mm	8'6"	2475 mm	8'1"	2478 mm	8'2"
<b>10</b>	3397 mm	11'2"	3444 mm	11'4"	3492 mm	11'5"	<b>21</b>	3224 mm	10'7"	3102 mm	10'2"	3104 mm	10'2"
<b>11</b>	4052 mm	13'4"	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	12 413 kg	27,364 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)	2218 kg	4,891 lb	2617 kg	5,770 lb	3019 kg	6,655 lb
Minimum extension (10)	2020 kg	4,453 lb	2385 kg	5,258 lb	2753 kg	6,069 lb
Middle extension (11)	1737 kg	3,829 lb	2055 kg	4,531 lb	2377 kg	5,241 lb
Maximum extension (12)	1522 kg	3,354 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% Fill Factor	m <sup>3</sup>	3.3	3.9	4.5	3.3	3.9	4.5	3.3	3.9	4.5	–	–	–
	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 110% Fill Factor	kg/m <sup>3</sup>	969	986	1051	963	956	908	896	911	873	–	–	–
	lb/yd <sup>3</sup>	1,633	1,662	1,772	1,623	1,611	1,531	1,511	1,535	1,471	–	–	–
<b>1</b> Length: Overall	mm	7839	7914	8044	7845	7986	8126	8097	8173	8303	+677	+794	+737
	ft/in	25'9"	26'0"	26'5"	25'9"	26'2"	26'8"	26'7"	26'10"	27'3"	+2'3"	+2'7"	+2'5"
<b>2</b> Dump Clearance: Full Lift Rolled Out	mm	4236	4252	4264	4259	4332	4354	4373	4516	4531	+456	+568	+545
	ft/in	13'11"	13'11"	14'0"	14'0"	14'3"	14'3"	14'4"	14'10"	14'10"	+1'6"	+1'10"	+1'9"
<b>3</b> Clearance: Level Bucket	mm	4578	4592	4647	4592	4609	4725	4727	4841	4896	+465	+574	+553
	ft/in	15'0"	15'1"	15'3"	15'1"	15'1"	15'6"	15'6"	15'11"	16'1"	+1'6"	+1'11"	+1'10"
<b>4</b> Height: Overall	mm	6241	6298	6367	6255	6315	6446	6389	6547	6597	+465	+574	+553
	ft/in	20'6"	20'8"	20'11"	20'6"	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	1333	1425	1489	1328	1458	1530	1515	1555	1620	+345	+329	+278
	ft/in	4'4"	4'8"	4'11"	4'4"	4'9"	5'0"	5'0"	5'1"	5'4"	+1'2"	+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	56	48	48	–	–	–
	degree	39	41	54	41	43	43	42	44	44	–	–	–
Tipping Load – Straight ISO 14397-1*	kg	7625	9011	11 284	7538	8767	9819	7031	8361	9440	–2134	–2545	–2698
	lb	16,809	19,864	24,876	16,619	19,328	21,646	15,500	18,432	20,810	–4,705	–5,611	–5,948
Tipping Load – Straight Rigid Tire**	kg	7860	9386	11 754	7772	9132	10 228	7248	8709	9833	–2200	–2651	–2811
	lb	17,328	20,692	25,912	17,133	20,133	22,548	15,979	19,200	21,677	–4,850	–5,844	–6,197
Tipping Load – Full Turn ISO 14397-1*	kg	6453	7593	9482	6356	7360	8194	5917	7011	7873	–1879	–2230	–2357
	lb	14,225	16,739	20,903	14,012	16,225	18,063	13,044	15,456	17,356	–4,142	–4,916	–5,196
Tipping Load – Full Turn Rigid Tire**	kg	6792	8078	10 087	6691	7830	8717	6228	7458	8375	–1978	–2372	–2507
	lb	14,974	17,807	22,237	14,750	17,261	19,216	13,730	16,443	18,464	–4,361	–5,229	–5,527
Breakout Force	kg	7481	8965	9493	7660	8742	8957	6345	7641	7900	–1299	–227	–368
	lb	16,493	19,764	20,929	16,888	19,272	19,745	13,988	16,845	17,415	–2,864	–500	–811
Operating Weight	kg	13 284	14 778	16 845	13 573	15 064	17 229	13 536	15 027	17 146	+440	+285	+327
	lb	29,286	32,579	37,136	29,922	33,210	37,981	29,840	33,128	37,798	+970	+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.

## High Dump Bucket Selection – Standard Lift

Material Type		Fill Factor %														Tip Load Full Turn*			
		115%	115%	110%	115%	100%	110%	100%	100%	105%	110%	115%	110%	105%	100%				
926M	Pin On	Counter-weight	kg/m <sup>2</sup> lb/yd <sup>3</sup>	560 (944)	620 (1,045)	680 (1,146)	740 (1,247)	800 (1,348)	860 (1,450)	920 (1,551)	980 (1,652)	1040 (1,753)	1100 (1,854)	1160 (1,955)	kg	lb			
		926M	Pin On	3.0 (4.0)	Aggregate							115%	110%	105%	100%		6854	(15,111)	
3.0 (4.0)	Standard									115%	110%	105%	100%		6453	(14,225)			
3.5 (4.6)	Aggregate										115%	110%	105%	100%		6780	(14,947)		
3.5 (4.6)	Standard								115%	110%	105%	100%			6378	(14,060)			
4.1 (5.4)	Aggregate															6354	(14,008)		
4.1 (5.4)	Standard				115%	110%	105%	100%								5955	(13,129)		
Fusion	3.0 (3.9)		Aggregate								115%	110%	105%	100%		6763	(14,908)		
	3.0 (3.9)		Standard								115%	110%	105%	100%		6356	(14,012)		
	3.5 (4.6)		Aggregate								115%	110%	105%	100%		6550	(14,440)		
	3.5 (4.6)		Standard						115%	110%	105%	100%			6150	(13,557)			
	4.1 (5.4)		Aggregate													6134	(13,523)		
	4.1 (5.4)		Standard		115%	110%	105%	100%								5737	(12,647)		
930M	Pin On	3.5 (4.6)	Aggregate								115%	110%	105%	100%		7973	(17,576)		
		3.5 (4.6)	Heavy								115%	110%	105%	100%		7593	(16,739)		
		3.5 (4.6)	Standard								115%	110%	105%	100%		7126	(15,709)		
		4.1 (5.4)	Aggregate													7544	(16,630)		
		4.1 (5.4)	Heavy													7167	(15,800)		
		4.1 (5.4)	Standard													6704	(14,778)		
	Fusion	3.5 (4.6)	Aggregate									115%	110%	105%	100%		7738	(17,059)	
		3.5 (4.6)	Heavy									115%	110%	105%	100%		7360	(16,225)	
		4.1 (5.4)	Aggregate													7319	(16,135)		
		4.1 (5.4)	Heavy													6944	(15,309)		
		4.1 (5.4)	Standard													7167	(15,799)		
		5.0 (6.5)	Aggregate													6794	(14,977)		
938M	Pin On	4.1 (5.4)	Aggregate									115%	110%	105%	100%		9892	(21,808)	
		4.1 (5.4)	Heavy									115%	110%	105%	100%		9482	(20,903)	
		4.1 (5.4)	Standard									115%	110%	105%	100%		8977	(19,791)	
		5.0 (6.5)	Aggregate														8665	(19,102)	
		5.0 (6.5)	Heavy														8296	(18,289)	
		5.0 (6.5)	Standard														7843	(17,289)	
	Fusion	4.1 (5.4)	Aggregate										115%	110%	105%	100%		8566	(18,883)
		4.1 (5.4)	Heavy										115%	110%	105%	100%		8194	(18,063)
		5.0 (6.5)	Aggregate														8410	(18,541)	
	5.0 (6.5)	Heavy															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%	110%	105%	100%	110%			100%	100%	105%
		m <sup>3</sup>	yd <sup>3</sup>	Counter-weight	kg/m <sup>3</sup>	lb/yd <sup>3</sup>	345	390	435	480	525	570	615	660	705	750	795	kg	lb	
<b>926M High Lift</b>	<b>Pin On</b>	3.0	(4.0)	Aggregate	Not Available														4626	(10,198)
				Standard	115% 110% 105% 100%															
		3.5	(4.6)	Aggregate	Not Available														4547	(10,024)
				Standard	115% 110% 105% 100%															
		4.1	(5.4)	Aggregate	Not Available														4156	(9,163)
				Standard	115% 110% 105% 100%															
	<b>Fusion</b>	3.0	(3.9)	Aggregate	Not Available														4477	(9,869)
				Standard	115% 110% 105% 100%															
		3.5	(4.6)	Aggregate	Not Available														4315	(9,514)
				Standard	115% 110% 105% 100%															
		4.1	(5.4)	Aggregate	Not Available														3934	(8,672)
				Standard	115% 110% 105% 100%															
<b>930M High Lift</b>	<b>Pin On</b>	3.5	(4.6)	Aggregate	Not Available														5363	(11,823)
				Heavy	115% 110% 105% 100%															
		4.1	(5.4)	Aggregate	Not Available														4974	(10,965)
				Standard	115% 110% 105% 100%															
		5.0	(6.5)	Aggregate	Not Available														4803	(10,590)
				Heavy	115% 110% 105% 100%															
	5.0	(6.5)	Aggregate	Not Available														4444	(9,796)	
			Standard	115% 110% 105% 100%																
	<b>Fusion</b>	3.5	(4.6)	Aggregate	Not Available														5130	(11,310)
				Heavy	115% 110% 105% 100%															
		4.1	(5.4)	Aggregate	Not Available														4750	(10,471)
				Heavy	115% 110% 105% 100%															
5.0		(6.5)	Aggregate	Not Available														4623	(10,191)	
			Heavy	115% 110% 105% 100%																
<b>938M High Lift</b>	<b>Pin On</b>	4.1	(5.4)	Aggregate	Not Available														6733	(14,844)
				Heavy	115% 110% 105% 100%															
		4.1	(5.4)	Standard	115% 110% 105% 100%														6338	(13,973)
				Aggregate	Not Available															
		5.0	(6.5)	Aggregate	Not Available														5987	(13,199)
				Heavy	115% 110% 105% 100%															
	5.0	(6.5)	Standard	115% 110% 105% 100%														5624	(12,399)	
			Aggregate	Not Available																
	<b>Fusion</b>	4.1	(5.4)	Aggregate	Not Available														5837	(12,867)
				Heavy	115% 110% 105% 100%															
		4.1	(5.4)	Standard	115% 110% 105% 100%														5471	(12,061)
				Aggregate	Not Available															
5.0		(6.5)	Aggregate	Not Available														5705	(12,576)	
			Heavy	115% 110% 105% 100%																
5.0	(6.5)	Standard	115% 110% 105% 100%														5341	(11,774)		
		Aggregate	Not Available																	

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

\*Full compliance to ISO 14397-1:2007 Section 1 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	
<b>Change with options removed:</b>	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
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	-30	-11	-23	-13	-28	-9	-20	-12	-27
Guard, power train lower	-77	-169	-71	-156	-77	-169	-68	-150	-68	-150	-60	-133
Guard, driveshaft	-43	-95	-11	-24	-43	-95	-10	-23	-43	-96	-10	-23
Secondary steer	-68	-151	-74	-164	-68	-151	-72	-158	-67	-148	-71	-156
Ride control	-48	-106	-26	-57	-48	-106	-25	-55	-47	-103	-25	-55
<b>Change with options added:</b>												
Aggregate counterweight	+299	+659	+436	+961	+299	+659	+410	+903	+298*	+658*	+402*	+886*
Guard, front window	+35	+76	+20	+45	+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	+22	+10	+22	+10	+21	+12	+26	+10	+22
Cold start package	+55	+120	+79	+173	+55	+120	+76	+167	+56	+123	+75	+166
Roading fenders	+18	+40	+26	+57	+18	+40	+25	+55	+20	+43	+25	+56

\*Not compatible with 23.5R25 tires.

## Tire Options



	926M				930M				938M*			
	550/65 R25 (L-3)		17.5 R25 (L-3)		600/65 R25 (L-3)		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"	+11	+0.4"	+98	+3.9"	-14	-0.6"	+38	+1.5"	-84	-3.3"
Turning radius: Outside of tires	+4	+0.2"	-5	-0.2"	+42	+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	-85	-187	-217	-478	+9	+20	+396	+873	+480	+1,058	+1555	+3,429
Tipping load – full turn	-73	-161	-187	-413	+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

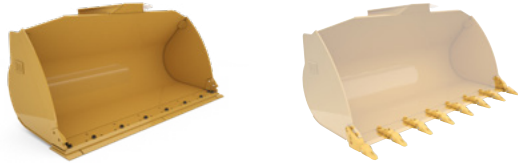
\*Offset rims available to meet European roading requirements.

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

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

# Supplemental Specifications

## Ground Engagement Options



### Dimension Change Compared to Bolt-on Cutting Edge

	mm	in
Dig Depth	+11	+0.4"
Length: overall	+154	+6.1"
Dump clearance	-109	-4.3"
Reach	+109	+4.3"

Change with Ground Engagement option compared to Bolt-on Cutting Edge	926M		930M		938M	
	General Purpose Teeth and Segments		General Purpose Teeth and Segments		General Purpose Teeth and Segments	
	kg	lb	kg	lb	kg	lb
Tipping Load – straight	-101	-222	-100	-221	-99	-218
Tipping Load – full turn	-98	-217	-98	-216	-97	-213
Breakout force	-83	-184	-83	-184	-82	-180
Operating weight	+80	+177	+80	+177	+79	+174

## Cat Advansys™ Tip and Adapter System

### Take your operation to the next level.

The Cat Advansys system gives you easier removal and installation, longer tip life and better penetration. Choose the Advansys system that offers the right balance for your application.

#### Advansys System Performance:

- Exclusive performance features offer less drag and higher productivity.
- New tip shapes put wear material where you need it most.

#### Advansys System Reliability:

- Stronger adapter noses result in up to a 50% stress reduction.
- Improved adapter nose geometry reduces sliding wear on adapter nose surfaces.
- Improved tip shapes shadow the adapter straps and welds for longer adapter life.

#### Advansys Installation and Removal:

- Retainer lock requires no special tools for quickest tip removal and installation.
- A half-turn of retention locks and unlocks the CapSure™ retention.
- Retention components come installed in tips.



General Purpose Tip



Aggregate Tip



Heavy Abrasion Tip



## Standard Equipment

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

### POWER TRAIN

- Axle Duo-Cone™ seal guards
- Auto idle shut down feature
- Cat C7.1 engine
  - Power modes (Standard and Performance)
  - Power by range (High Power in Range 4)
  - Turbocharged and aftercooled
  - Diesel particulate filter (Fit for Life)
- Coded start (requires secondary display)
- Differential lock in front axle
- Enclosed wet disc full hydraulic brakes
- Hydraulically driven demand cooling fan
- Hydrostatic transmission with electronic control
  - Operator modes (Default, TC, Hystat, and Ice)
  - Directional Shift Aggressiveness (fast, medium, slow)
  - Rimpull control, adjust wheel torque
  - Creeper control, adjust ground speed
- Parking brake, electric
- Single plane cooling package wide six fins per inch density
- Oil sampling ports
- Throttle lock and max speed limiter

### HYDRAULICS

- Automatic lift lower and tilt kickouts, adjustable in-cab
- Bucket and fork modes, adjustable in-cab
- Cylinder damping at kickout and mechanical end stops
- Fine mode control (fast, medium, slow)
- Hydraulic response setting (fast, medium, slow)
- Load sensing hydraulics and steering
- Seat-mounted hydraulic joystick controls

### ELECTRICAL

- Alternator, 115 amp, heavy duty
- Batteries, 1,000 CCA (2) 24V system, disconnect switch
- Back-up alarm
- Emergency shutdown switch
- Halogen work and roading lights, LED rear tail lights
- Product Link PRO with three year subscription
- Remote jump start post
- Resettable main and critical function breakers

### OPERATOR ENVIRONMENT

- 75 mm (3 in) High-Vis retractable seat belt, with audible alarm and indicator
- Automatic temperature control
- Cab, pressurized
- Camera, rearview
- External heated mirrors with lower parabolic
- Ground level cab door release
- Hydraulic control lockout
- Mirror, single
- Lunch box storage
- Radio ready speakers
- Rear window defrost, electric
- Column mounted multi function control – lights, wipers, turn signal
- Tilt and telescopic steering wheel
- Tinted front glass
- Wet arm wiper/washer, 2-speed and intermittent, front, lights, wipers, turn signal
- Suspension seat, fabric

### OTHER STANDARD EQUIPMENT

- Large-access enclosure doors with adjustable close/open force
- Cat optimized Z-bar linkage with parallel lift
- Recovery hitch, with pin
- Remote mounted lubrication points
- Lockable compartments and enclosures

## Optional Equipment

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

- Autolube, integrated in secondary display
- Auxiliary flow, third and fourth function
- Differential, limited slip, rear
- Beacon light, strobe
- Cab, deluxe (standard in Europe)
  - Camera, rearview integrated into advanced display
  - Electrically adjustable external heated mirrors (2)
  - Secondary display to enable features and adjust parameters
  - LED interior lighting
  - Sunscreen, front and rear
  - Touchscreen secondary display
  - Ride control adjustable speed activation
  - Preventative maintenance reminders
  - Integrated help function (26 languages)
- Camera, roof mounted, front view with separate display
- Cold start package
  - Ether starting aid, block heater and additional batteries, 1,000 CCA (4 total)
- Counterweight, additional options
- Coupler, (Fusion and ISO 23727)
- Debris packages (low, medium, high)
- Fenders (extended cover and full coverage)
- Guarding packages
- Linkage, high lift
- Lights, auxiliary, halogen or LED with engine and DEF compartment lights
- Payload Technology
  - Cat Production Measurement (CPM)
  - CPM Printer
- Product Link ELITE with capabilities for software push, data logging, histogram and trend mapping
- Radio packages
- Rear Object Detection
- Ride Control System, adjustable through secondary display
- 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. Seat is heated and ventilated on bottom cushion and backrest.
- Steering
  - Dual mode and secondary
- Tire Pressure Monitoring (TPM)

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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