



Cat[®] 926M

WHEEL LOADER

M SERIES – MAKING YOUR CHOICE EASY:

■ **Enjoy All Day Comfort** – Have a seat in the new M Series Small Wheel Loader and enjoy automatic temperature control, class leading sound levels, and low-effort joystick controls that move with you on a fully adjustable seat suspension. A large spacious operator environment combined with Caterpillar’s hydraulic cylinder damping and smooth predictable controls make this the most comfortable seat on your job site.

■ **Work Made Easy** – Move more with Caterpillar’s patented quick loading Performance Series buckets and optimized Z-bar linkage with enhanced forward visibility that combines the digging efficiency of a traditional Z-bar with tool carrier capabilities. The parallel lift and high tilt forces throughout the working range allow you to confidently handle loads with precise control.

Multi-function work has never been easier with dedicated pumps for each system and a flow sharing implement valve governed by an intelligent power management system. Simultaneously lift, steer and drive without compromise. The M Series Small Wheel Loader simply does what you ask it to do.

■ **Efficiently Powerful** – Experience hybrid like fuel efficiency with an intelligent hydrostatic power train and industry leading fuel savings through a lower maximum engine speed of just 1,600 rpm in Standard Mode. Power when you need it with Caterpillar’s exclusive Power-by-Range technology that increases power in Range 4 for improved speed on grade. For your toughest and most demanding applications a new Performance Mode will allow you to boost the power and hydraulic speed in all ranges to get the job done even quicker. Meets U.S. EPA Tier 4 Final/EU Stage IV emission standards with a Cat[®] C7.1 ACERT[™] engine that is designed to manage itself so you can concentrate on your work.

■ **Customize Your Experience** – Meet your application requirements and individual preferences with Caterpillar’s industry first Hystat[™] Operator Modes featuring four unique power train settings. Select classic Torque Converter for smooth rollout, conventional Hystat for aggressive engine braking, an Ice Mode that maximizes your control on slippery underfoot, or default mode which blends the best of Hystat and Torque Converter characteristics. Fine tune machine performance with adjustments at your fingertips through the soft touch buttons and optional secondary display. Quickly set hydraulic response along with linkage kick-out positions, maximum wheel torque, and peak ground speed to efficiently perform a multitude of tasks.

Specifications

Engine

Engine Model	Cat C7.1 ACERT**			
Power Mode	Standard Mode		Performance Mode	
Speed Range	Range 1-3*		Range 1-4	
Maximum Gross Power				
Maximum Engine Speed	1,600 rpm		1,800 rpm	
ISO 14396	109 kW	146 hp	114 kW	153 hp
ISO 14396 (DIN)	110 kW	148 hp	116 kW	155 hp
Rated Net Power	1,600 rpm		1,800 rpm	
SAE J1349 at				
Minimum Fan Speed	105 kW	141 hp	110 kW	148 hp
ISO 9249 at				
Minimum Fan Speed	106 kW	142 hp	111 kW	149 hp
ISO 9249 (DIN) at				
Minimum Fan Speed	107 kW	144 hp	113 kW	151 hp

Engine (continued)

	Standard Mode		Performance Mode	
Maximum Gross Torque				
ISO 14396	721 N-m	531 lbf-ft	721 N-m	531 lbf-ft
Maximum Net Torque				
SAE J1349	694 N-m	511 lbf-ft	694 N-m	511 lbf-ft
ISO 9249:2007	702 N-m	517 lbf-ft	702 N-m	517 lbf-ft
Displacement	7.01 L	427 in ³	7.01 L	427 in ³

• 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.

*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 V off-highway emission standards.



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Buckets

Bucket Capacities – General Purpose	1.9-2.5 m ³	2.5-3.2 yd ³
Bucket Capacities – Light Material	3.1-5.0 m ³	4.0-6.5 yd ³

Steering

Steering Articulation Angle (each direction)	40°	
Maximum Flow – Steering Pump	130 L/min	34 gal/min
Maximum Working Pressure – Steering Pump	24 130 kPa	3,500 psi
Maximum Steering Torque:		
0 degrees (straight machine)	50 375 N·m	37,155 lbf·ft
40 degrees (full turn)	37 620 N·m	27,747 lbf·ft
Steering Cycle Times (full left to full right):		
At 1,800 rpm: 90 rpm steering wheel speed	2.4 seconds	
Number of Steering Wheel Turns – full left to full right or full right to full left	3.5 turns	

Loader Hydraulic System

Maximum Flow – Implement Pump	150 L/min	40 gal/min
3rd Function Maximum Flow*	150 L/min	40 gal/min
4th Function Maximum Flow*	150 L/min	40 gal/min
Maximum Working Pressure – Implement Pump	26 000 kPa	3,771 psi
Relief Pressure – Tilt Cylinder	28 000 kPa	4,061 psi
3rd and 4th Function Maximum Working Pressure	26 000 kPa	3,771 psi
3rd and 4th Function Relief Pressure	28 000 kPa	4,061 psi
Hydraulic Cycle Times:	Standard Mode	Performance Mode
	at 1,600 rpm	at 1,800 rpm
Raise (ground level to maximum lift)	6.2 seconds	5.5 seconds
Dump (at maximum lift height)	1.7 seconds	1.5 seconds
Float Down (maximum lift to ground level)	2.6 seconds	2.6 seconds
Total Cycle Time	10.5 seconds	9.5 seconds

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

Service Refill Capacities

Fuel Tank	195 L	51.5 gal
Cooling System	30 L	7.9 gal
Engine Crankcase	20 L	5.3 gal
Transmission (gearbox)	8.5 L	2.2 gal
Axles:		
Front	21 L	5.5 gal
Rear	21 L	5.5 gal
Hydraulic System (including tank)	160 L	42.3 gal
Hydraulic Tank	90 L	23.8 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	5 gal

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

Transmission

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

*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).

Tires

Standard Size	20.5 R25, radial (L-3)	
Other Choices Include:	20.5 R25, radial (L-2)	17.5 R25, radial (L-2)
	20.5 R25, radial (L-5)	17.5 R25, radial (L-3)
	20.5-25 12PR (L-2)	17.5 R25, radial (L-5)
	20.5-25 12PR (L-3)	550/65 R25 radial (L-3)
	20.5-25 16PR (L-5)	Skidder/Agriculture

- Other tire choices are available. Contact your Cat dealer for details.
- In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities.
- Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level II

- Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.
- The declared dynamic operator sound pressure levels per ISO 6396:2008*, when properly installed and maintained, are:
 - Standard cab: 68 ±3 dB(A)
 - Deluxe cab: 66 ±2 dB(A)

*The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

Sound

Operator Sound Pressure (ISO 6396:2008)	72 dB(A)
Average Exterior Sound Pressure (ISO 6395:2008)	101 dB(A)

- European Union Directive "2000/14/EC."

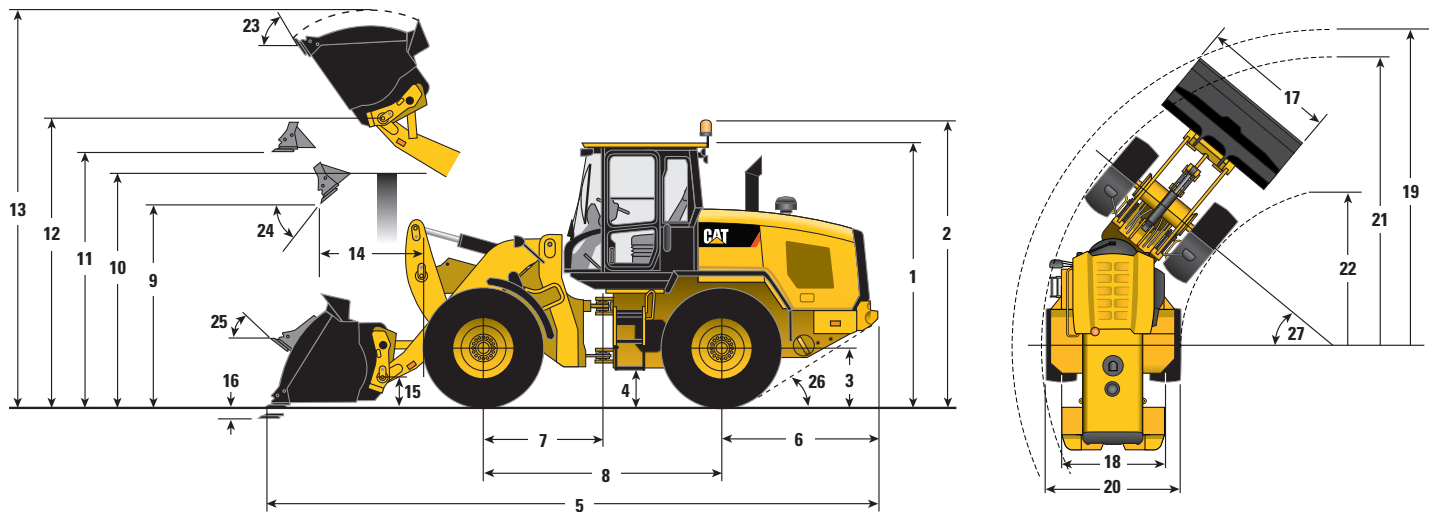
Axles

Front	Fixed
	Locking differential (standard)
Rear	Oscillating ±11 degrees
	Open differential (standard)
	Limited slip differential (optional)

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 CO₂ equivalent of 2.717 metric tonnes.

Dimensions and Operating Specifications (All dimensions are approximate. Dimensions vary with bucket and tire choice.)



	Standard Lift		High Lift	
** 1 Height: Ground to Cab	3340 mm	10'11"	3340 mm	10'11"
** 2 Height: Ground to Beacon	3707 mm	12'2"	3707 mm	12'2"
** 3 Height: Ground Axle Center	685 mm	2'3"	685 mm	2'3"
** 4 Height: Ground Clearance	397 mm	1'4"	397 mm	1'4"
* 5 Length: Overall	7418 mm	24'4"	8060 mm	26'5"
6 Length: Rear Axle to Bumper	1953 mm	6'5"	1953 mm	6'5"
7 Length: Hitch to Front Axle	1500 mm	4'11"	1500 mm	4'11"
8 Length: Wheel Base	3000 mm	9'10"	3000 mm	9'10"
* 9 Clearance: Bucket at 45 degrees	2885 mm	9'6"	3378 mm	11'1"
** 10 Clearance: Loadover Height	3330 mm	10'11"	3550 mm	11'8"
** 11 Clearance: Level Bucket	3580 mm	11'9"	4073 mm	13'4"
** 12 Height: Bucket Pin	3907 mm	12'10"	4400 mm	14'5"
** 13 Height: Overall	5076 mm	16'8"	5569 mm	18'3"
* 14 Reach: Bucket at 45 degrees	1024 mm	3'4"	1261 mm	4'2"
15 Carry Height: Bucket Pin	390 mm	1'3"	582 mm	1'11"
** 16 Dig Depth	100 mm	3.9"	135 mm	5.3"
17 Width: Bucket	2550 mm	8'4"	2550 mm	8'4"
18 Width: Tread Center	1933 mm	6'4"	1933 mm	6'4"
19 Turning Radius: Over Bucket	5911 mm	19'5"	6226 mm	20'5"
20 Width: Over Tires	2543 mm	8'4"	2543 mm	8'4"
21 Turning Radius: Outside of Tires	5404 mm	17'9"	5404 mm	17'9"
22 Turning Radius: Inside of Tires	2850 mm	9'4"	2850 mm	9'4"
23 Rack Angle at Full Lift	54 degrees		51 degrees	
24 Dump Angle at Full Lift	50 degrees		49 degrees	
25 Rack Angle at Carry	43 degrees		47 degrees	
26 Departure Angle	33 degrees		33 degrees	
27 Articulation Angle	40 degrees		40 degrees	
* Tipping Load – Straight (ISO 14397-1)	8657 kg	19,084 lb	6531 kg	14,397 lb
* Tipping Load – Full Turn (ISO 14397-1)	7415 kg	16,346 lb	5542 kg	12,217 lb
* Breakout	10 222 kg	22,536 lb	9713 kg	21,414 lb
* Operating Weight	12 944 kg	28,535 lb	13 222 kg	29,148 lb

*Vary with bucket.

**Vary with tire.

Dimensions listed are for a machine configured with 1.9 m³ (2.5 yd³) general purpose Fusion™ bucket, bolt-on cutting edge, heavy counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 20.5 R25 (L-3) XHA2 tires.

926M Wheel Loader

STANDARD EQUIPMENT

POWER TRAIN

- 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
 - Filtered crankcase breather
 - Diesel particulate filter
 - Selective Catalyst Reduction
- Coded start (requires secondary display)
- Coolant protection to -34° C (-29° F)
- Enclosed wet disc full hydraulic brakes
- Fuel priming pump, automatic
- 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
- Throttle lock and max speed limiter

HYDRAULICS

- Automatic lift and bucket 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) in fork mode
- Hydraulic response setting (fast, medium, slow)
- Hydraulic diagnostic connectors and S-O-SSM ports
- Load sensing hydraulics and steering

ELECTRICAL

- Alternator, 115 amp, heavy duty
- 12V power supply in cab (2)
- 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) retractable seat belt, with audible alarm and indicator
- Automatic temperature control
- External heated mirrors with lower parabolic
- Hydraulic control lockout
- Interior cab lighting, door and dome
- Interior rearview mirrors (2)
- Lunch box storage
- Radio ready speakers
- Rear window defrost, electric
- Seat-mounted electronic implement controls, adjustable
- 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

OTHER STANDARD EQUIPMENT

- Large-access enclosure doors with adjustable close/open force
- Parallel lift loader linkage

EU STANDARD EQUIPMENT

- Deluxe cab
- Secondary display
- Rearview camera

OPTIONAL EQUIPMENT

- Autolube, integrated in secondary display
- Auxiliary flow, third and fourth function, adjustable through secondary display
- Beacon light, strobe
- Cab, deluxe (standard in Europe, optional in North America)
 - Electrically adjustable external heated mirrors (2)
 - Secondary display to enable features and adjust parameters
 - Sunscreen, front and rear
- Camera, rearview (standard in Europe)
- Cold start package
- Counterweight, (heavy and logger)
- Coupler, (Fusion and ISO 23727)
- Debris packages (low, medium, high)
- Fenders (extended cover and full coverage)
- Guarding (machine and operator)
- Linkage, high lift
- Lights, auxiliary, halogen or LED with engine and DEF compartment lights
- Object Detection
- Product Link ELITE with capabilities for software push, data logging, histogram and trend mapping
- Radio packages
- Ride Control System, adjustable through secondary display
- Seats
 - Deluxe seat – fully adjustable fabric air suspension seat with mid backrest and mechanical lumbar support
 - 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
- NOTE: Not all features are available in all regions.

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

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