



Bobcat®

New M-Series Skid-Steer Loaders



One Tough Animal™



ARE YOU M-POWERED?

The best is now even better. With the new M-Series Bobcat® loaders, there's a difference you can see – and a difference you'll experience on the job.

The M-Series Bobcat loader has a completely re-engineered cab that keeps you comfortable, with superior performance that will help you do more, do it faster and do it better.





DELUXE INSTRUMENTATION



SEAT-MOUNTED JOYSTICKS



PROTECTED TAILGATE

The shape of things to come.

It's the biggest, most comfortable cab we've ever had, with even better visibility.

PREMIUM CAB: Bobcat already has one of the best cabs on the market with the largest cab space in the industry, but when we re-engineered our M-Series loaders, we went even bigger. The new cab, with new positioning and design for better visibility, is the best one yet. Bobcat increased the cab space provided with our traditional loaders by 10% – with more room for your arms, legs, shoulders, head and feet. It's not just bigger; it's quieter. The sound within the cab is reduced by more than 60% for a more comfortable working environment. It also has a best-in-class pressurized interior to keep you clean and comfortable.

SUPERIOR PERFORMANCE: If you want big performance in a smaller package, this is the loader for you. All of the hallmarks of superior Bobcat performance remain: the toughest chaincase, the largest chains in the industry, smart cooling and easy maintenance. But we've further enhanced the machine with 18% stronger hydraulics for improved attachment performance. Increased fuel capacity, more powerful and brighter lighting and many other features will save you time and effort on the job. Plus, we've protected your machine and simplified maintenance in numerous ways – enabling you to stay on the job longer.

Cab-Forward Design: The new cab-forward design moves the operator area closer to the attachment, and gives you a better vantage point for your work area.

Better Visibility: Visibility has been significantly increased in all directions. The rear window is 14% larger. The size of the top window is now 43% larger. This provides a big advantage when loading a truck or using attachments with raised lift arms.

The new cab features industry-leading forward visibility down to the bucket, up through the top window and to the back of the machine. The side windows are larger than ever before, increasing your visibility to the tires and the sides.

Bigger Entry/Exit: Bobcat re-engineered the largest cab front opening in the industry and made it bigger – and the front cab-door surface area has increased, too. A lowered door threshold gives you an easier entry and exit. This doesn't just make it easier to enter and exit the cab, it increases visibility to your attachment and the surrounding work area – making it easier to see and do your work.





Productivity and Protection from

It's not just the operator area that's changed for the better. Operation, maintenance and machine design is greatly enhanced – delivering colossal performance in a smaller package. New features keep you running longer, increase your uptime and make it easier to do routine maintenance.

Stronger Hydraulics: Hydraulic systems have been re-engineered to outperform existing larger Bobcat® loaders – working faster and stronger to increase operator performance. The standard flow is 23 gpm at 3500 psi. These new M-Series loaders feature a high flow of 30.5 gpm. These higher standard flows equate to a hydraulic horsepower increase of 18%.

Increased Tractive Effort: The new loaders feature 15 to 20% more tractive effort. That means you can push more and dig harder than ever before.

Adjustment-Free Belts: There are no belt adjustments needed on these loaders – including the drive and accessory belt.

Simple Machine Tie-Downs: Secure your loader quickly, without searching for hard-to-reach tie-downs. New tie-downs are easy to find and easy to reach.

Increased Cooling Capacity with Easier Cleaning: The re-engineered cooling system gives you more efficient, higher-capacity cooling for better performance and longer machine life. Additionally, the swing-up cleaning access feature makes removing dust and debris easy and ensures peak performance from your cooling system.

Increased Fuel Capacity: Work longer between fueling and increase your productivity on long days.



▲ **Powerful Lighting:** Light output is now increased by over 50%. This new lighting system emits a high-intensity beam that illuminates a broader working area around the front of the machine.

● **Removable Hose Guide:** When you're changing attachments, it's easy to get your hydraulic hoses routed correctly for better protection.

■ **Protected Quick Couplers:** The integrated, pressure-release quick couplers are mounted directly into the front plate of the lift arm – with no exposed hoses to damage. Your couplers are protected even further with a guard that extends out beyond the coupler.

● **Counterweight Ready:** The new Bobcat loaders come with holes for frame-mounted counterweights – so you can increase lifting performance with certain attachments.

Back to Front

■ **Protected Tailgate:** The lower rear frame sticks out past the tailgate – protecting it from obstacles, scrapes and bumps on the worksite.



Shift your perspective.

NEW CAB-FORWARD DESIGN



Improved Visibility: Bobcat moved operator switches down to the cab corner posts. This puts important controls right in front of you and allows a larger top window for superior visibility to the raised lift arms.



Heat and A/C: Heat and air conditioning controls are mounted down in the front for convenience and ease of operation. They are also lighted – so you can quickly see your temperature settings in low-light conditions. The three directional ducts point the air flow to wherever you need it – allowing for longer periods of steady work and reduced fatigue.

Rear Defrost: Defrost the new, larger rear window with new rear air ducts.

Deluxe Instrumentation Panel:

This intelligent Bobcat option helps you prevent theft with keyless start and enables better operation by closely monitoring and interacting with your machine. A new seven-inch LED screen with full-color capability offers increased readability and interaction. Easy-to-read virtual sweep gauges allow you to quickly read and understand operation levels.



Radio Capable: All M-Series loaders can be easily equipped with a stereo system. The radio features an auxiliary audio input jack that is ready for a MP3 player or other device.

12-Volt Power Accessory: Your cab is your office. That's why Bobcat installed a 12-volt power accessory for charging your mobile phone, MP3 player or other accessories.



Convenient Engine Speed Control: The engine speed control has been moved out in front of the operator, on the right-hand corner post of the cab.

Cup Holders: The cup holders hold 20 oz. soda bottles all the way up to super-sized cups and coffee mugs.

Convenient Storage: New storage bins are located throughout the machine. Store items wherever it's convenient – on your right-hand side or to the left.

Convenient Rear Window Removal: Quick-turn latches help remove and reinstall the rear window quickly. The quick-turn latches are convenient for the Radio Remote Control System, as this requires the removal of the rear window.





Instrument cluster on the left side of the dashboard, featuring a digital display and a tachometer.

Instrument cluster on the right side of the dashboard, featuring a digital display showing '1220' and other engine metrics.

FASTEN SEAT BELT

EMERGENCY EXIT

WARNING

12V

Comfort Cab

As soon as you open the door of the new Bobcat M-Series loader, you can see the difference – even before the automotive-style dome and door lights turn on. In this machine, the premium features surround you:

Pressurized Cab: Bobcat® loaders with enclosed cabs have a best-in-class, pressurized interior space that helps keep dust to a minimum. A new, one-piece pressure seal engages the entire door on the front and sides – compressing the door seal into a specialized curved door pocket. This seal provides a more enjoyable working environment with less dust and debris.

Quiet Operation: Keep sound levels down considerably with the quieter M-Series loader. Sound levels are reduced by over 60% for more enjoyable, comfortable operation, improved jobsite communications and better productivity. New engine mounts better isolate the sound levels and vibration.



Improved Seat Adjustment: The adjustable seat features two additional inches of forward or aft movement to accommodate different-sized operators.

Easy-Pull, Easy-Secure Side Window: Simply pull the new window knob to slide the side window to five lockable positions. The window stays exactly where you want it to get consistent air flow.

Seat-Mounted Joysticks: On machines with Selectable Joystick Controls (SJC), the joysticks are mounted to the seat. As your suspension seat moves up and down, the joysticks move with the seat. This helps reduce arm movement and fatigue as you operate the machine.

Flexible Joystick Positioning: Joystick mounts on our SJC-equipped machines slide forward and backward independent of the seat, adjusting to the individual comfort positions of different-sized operators.

Extra Elbow Room, Easier Cleaning: Windows are mounted on the outside of the Roll-Over Protection System (ROPS) – which provides extra elbow room in the cab, and makes window cleaning much faster. Quickly wipe or pressure-wash the windows outside where the dirt is.



NEW, MORE POWERFUL HYDRAULICS

**Flex your
muscle.**

Specifications M-Series Skid-Steer Loaders

LOADER	S630	S650
Rated Operating Capacity (ROC)	2180 lb. (989 kg)	2690 lb. (1220 kg)
ROC with Counterweight (optional)	See dealer for details	
Tipping Load	4360 lb. (1978 kg)	5380 lb. (2440 kg)
Lift Height to Bucket Pin	121 in. (3073 mm)	124 in. (3149 mm)
Lift Arm Path	Radius	Vertical

SIZE AND SPEED	S630	S650
Operating Weight	7707 lb. (3496 kg)	8327 lb. (3777 kg)
Width (with Bucket)	74 in. (1880 mm)	74 in. (1880 mm)
Cab Height	81.3 in. (2065 mm)	81.3 in. (2065 mm)
Travel Speed - Low	7.1 mph (11.4 km/hr.)	7.1 mph (11.4 km/hr.)
Travel Speed - High	12.3 mph (19.8 km/hr.)	12.3 mph (19.8 km/hr.)

ENGINE	S630	S650
Horsepower	74.3 hp	74.3 hp
Type	Turbo Diesel	Turbo Diesel
Fuel Tank Capacity	27.3 gal (103.3 L)	27.3 gal (103.3 L)
Dual Path Cooling System	Std	Std
Machine Shutdown Protection Feature	Std	Std
Bobcat SmartFAN™	Std	Std
Horsepower Management	Included with SJC option	Included with SJC option

CHAINCASE	S630	S650
Chain Size	120 HSOC	120 HSOC
Axle Tubes Welded to Chaincase	Std	Std
Labyrinth Axle Seal Protection	Std	Std
Required Chain Adjustment	Never	Never

TIRES	S630	S650
Bobcat Heavy Duty, 12 ply, 12-16.5	Std	Std
Bobcat Super Float (33x15.5-16.5)	Opt	Opt

CONTROL OPTIONS	S630	S650
Bobcat Std (foot pedals/steering levers)	Std	Std
Advanced Control System (SJC)	Opt	Opt
Selectable Joystick Control (SJC)	Opt	Opt

MACHINE FEATURES	S630	S650
Operating Lights	Std	Std
Front Horn & Back-up Alarm	Std	Std
Bobcat Interlock Control System (BICS)	Std	Std
ROPS/FOPS Approved Cab Structure	Std	Std
Suspension Seat	Opt	Opt
Cab with Heat	Opt	Opt
Cab with Heat and Air Conditioning	Opt	Opt
Sound Reduction Package	Opt	Opt
Deluxe Instrumentation (Keyless Start)	Opt	Opt
Ride Control	Opt	Opt
Hydraulic Bucket Positioning	Opt	Opt

FEATURES FOR ATTACHMENTS	S630	S650
Bob-Tach™ Mounting System	Std	Std
Power Bob-Tach™	Opt	Opt
Hydraulic Standard Flow	23.0 gpm (87.1 L/min.)	23.0 gpm (87.1 L/min.)
Hydraulic High Flow (optional)	30.5 gpm (115.5 L/min.)	30.5 gpm (115.5 L/min.)
Hydraulic Pressure	3500 psi	3500 psi
Pressure Release Hyd Quick Couplers	Std	Std
Fingertip Auxiliary Control	Std	Std
Attachment Control Kit	Opt	Opt
Speed Management	Included with SJC Option	Included with SJC Option



Uptime Protection

No other manufacturer provides so many job-proven features to give you more uptime in the field. Features such as machine shutdown and battery rundown protection, on-board diagnostics and sealed connectors. Uptime protection not only means you can stay in the field longer, it protects your investment for a greater resale.

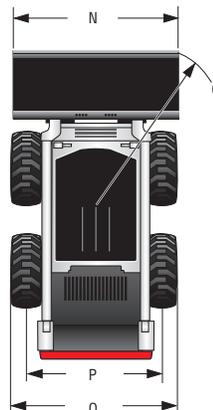
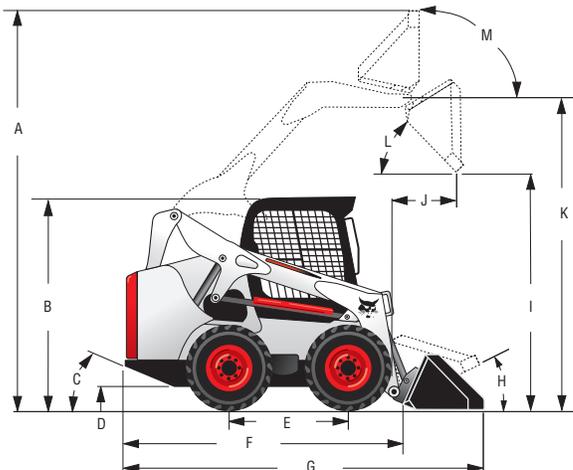


Maintenance-Free Chaincase

The rugged Bobcat® chaincase is the only maintenance-free chaincase in the industry, with an exclusive bowtie drive train design, fixed axle tubes, stronger axles and fully sealed bearings. Bobcat loaders have pre-stressed #120 endless roller, high-strength oval chains (HSOC) with no master link, thick side-link plates and hardened pins. These chains are 38% stronger than those used by other manufacturers. The result? No adjustments – ever.

Training Resources

Train operators and technicians in the safe operation and servicing of Bobcat equipment. Operator training courses, safety videos and other training materials are available at your Bobcat dealer's parts department or online at www.bobcat.com/training or www.training.bobcat.com



	S630	S650
A	155.5 in. (3950 mm)	158.5 in. (4026 mm)
B	81.3 in. (2065 mm)	81.3 in. (2065 mm)
C	25.2"	25.2"
D	8.1 in. (207 mm)	8.1 in. (207 mm)
E	45.3 in. (1150 mm)	45.3 in. (1150 mm)
F	108.4 in. (2754 mm)	108.4 in. (2754 mm)
G	136.8 in. (3474 mm)	136.8 in. (3474 mm)
H	30"	30"
I	93.2 in. (2367 mm)	96.3 in. (2447 mm)
J	21.4 in. (544 mm)	31.5 in. (800 mm)
K	121.0 in. (3073 mm)	124.0 in. (3149 mm)
L	42.4"	42"
M	97"	97"
N	74.0 in. (1880 mm)	74.0 in. (1880 mm)
O	83.4 in. (2119 mm)	82.9 in. (2106 mm)
P	59.3 in. (1507 mm)	59.3 in. (1507 mm)
Q	72.1 in. (1832 mm)	72.1 in. (1832 mm)

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