



**Bobcat®**

**SKID STEER LOADERS**

**S590**



***One Tough Animal.***

# S590 - SPECIFICATIONS

## MACHINE RATINGS

Rated Operating Capacity (ISO 14397-1)	907 kg
Tipping load (ISO 14397-1)	1814 kg
Bucket capacity	0,5 m <sup>3</sup>
Pump Capacity	64,7 L/min
Pump capacity (with high flow option)	101,1 L/min
System relief at quick couplers	23,8 – 24,5 Mpa
Max. travel speed (high range - option)	18,4 km/h
Max. travel speed (low range)	11,2 km/h

## ENGINE

Make / Model	Bobcat/DM02-LEL02
Fuel	Diesel
Cooling	Liquid
Maximum Power (SAE J 1995 Gross) @ 2600 rpm	51,4 kW (69.0 hp)
Torque (SAE J1995 Gross) @ 1800 rpm	255,5 N·m
Number of Cylinders	4
Displacement	2392 cm <sup>3</sup>
Fuel Tank	93,70 L

## WEIGHTS

Operating Weight	3069 kg (6765 lb)
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## CONTROLS

Vehicle Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader hydraulics tilt and lift	Separate foot pedals or Optional Selectable Joystick Controls (SJC)
Front Auxiliary (standard)	Electrical switch on right-hand steering lever

## DRIVE SYSTEM

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
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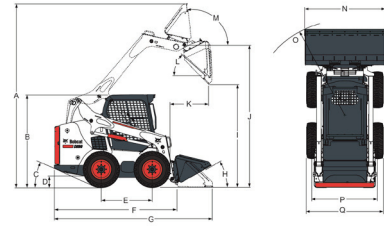
## STANDARD FEATURES

Automatically activated glow plugs	Lift arm support
Auxiliary hydraulics:	Work lights, front and rear
Bob-Tach™ frame	Parking brake
Bobcat Interlock Control System (BICS)	Seat belt
Standard Cab (ROPS & FOPS certified)	Seat bar
Electrically activated proportional front auxiliary hydraulics	Spark arrestor muffler
Engine/hydraulics system shutdown	10 x 16.5, 10-ply, Severe Duty tyres
Instrumentation	ICAT Certification
Backup Alarm	

## OPTIONS

High-Flow Hydraulics	Two speed
Deluxe instrument panel	Beacon
Power Bob-Tach™	Engine block heater
Air Conditioned Cab	Fire extinguisher
Selectable Joystick Controls (SJC)	Radio
Solid Tyres	Strobe
Bucket Positioning Valve	

## DIMENSIONS



## DIMENSIONS

(A) Operating height	3901 mm
(B) Height with operator cab	1972 mm
(C) Angle of Departure	24.2°
(D) Ground clearance	185 mm
(E) Wheelbase	1082 mm
(F) Length without attachment	2657 mm
(G) Length with standard bucket	3378 mm
(H) Rollback at ground position	30.0°
(I) Dump height with standard bucket	2319 mm
(J) Height to bucket hinge pin	3023 mm
(K) Dump reach at maximum height	828 mm
(L) Dump angle at maximum height	42°
(M) Rollback fully raised at maximum height	97°
(N) Bucket width	1879,6 mm
(O) Turning radius with standard bucket	2024 mm
(P) Track width 10 X 16.5, 10 ply, Bobcat Heavy Duty Tyres	1410 mm
(Q) Width over tyres, 10 X 16.5, 10 ply, Bobcat Heavy Duty Tyres	1656 mm

## ATTACHMENTS

Angle Brooms*	Planers*
Augers	Rear Stabilizers
Backhoes	Root Grapples
Bale Forks	Rotary Grinders
Box Blades	Scarifiers
Breakers	Scrapers
Brushcat™ Rotary Cutters	Seeders
Brush Saws	Skeleton Buckets
Combination Buckets	Snow & Light Material - Buckets
Concrete Mixers*	Snow Blades
Concrete Pumps*	Snow Blowers*
Construction / Industrial - Buckets	Snow Pushers
Cutter Crushers	Snow V-Blades
Diggers	Sod Layers*
Dozer Blades*	Soil Conditioners*
Drop Hammers	Spreaders
Dumping Hoppers	Steel Tracks
Fertilizer and Grain Buckets	Stump Grinders*
Flail Cutters	Sweepers
Graders*	Tillers
Grapples, Industrial	Tilt-Tatch
Landplanes	Tree Transplanters*
Landscape Rakes	Trench Compactors
Laser Equipment	Trenchers
Low Profile Buckets	Utility Forks
Mixing Buckets	Utility Frames
Mowers	Vibratory Rollers
Packer Wheels	Water Kits
Pallet Fork Accessories	Wheel Saws*
Pallet Forks, Hydraulic	Whisker Brooms
Pallet Forks, Standard	Wood Chippers*

\*Attachment Control kit required

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Disclaimer: All Dimensions, weights and other specifications are subject to +/- 5% variation. Doosan Bobcat reserves the right to change the values given in this catalogue and designs indicated without prior notification.

# S590 Skid-Steer Loader



Tackle bigger projects and cut down working hours with the Bobcat S590 skid-steer loader. More practical features and patented vertical-lift-path design, this no-nonsense M3-Series machine gives you the edge to take on whatever work comes your way. Get all the productivity-enhancing features your projects demand, including rapid cycle times, powerful breakout forces and a wider range of power thanks to the Tier 4 Bobcat engine and powerful hydraulic system. So whether your next job requires demolition, material hauling or chores around the farm, maximize your efficiency and get more done with the nimble and powerful S590.

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## S590 Features

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### ▲ Performance <sup>5</sup>

#### ▲ Overall Loader Performance Advantages

Bobcat® loaders will meet your high expectations for performance, every time you use them. The design, balance and weight distribution have been perfected to deliver more usable horsepower, powerful breakout forces and faster cycle times. With a Bobcat loader you can work quicker, lift more and outperform your competition.

#### ▲ Effective Weight Balance

Bobcats are better balanced! When not carrying a load, your Bobcat® skid-steer loader has a weight distribution of 70% in the rear and 30% in the front. This is the optimum weight distribution, giving you balanced, easy turning and skidding for ideal performance. What's more, it minimises fuel consumption and power requirements, while maximising drive train and tyre life, leading to less wear and tear compared to “flat-footed” machines sold by some other manufacturers.

#### ▲ Superior Lift Arms

Bobcat Skid-Steer Loaders offer you the choice of two lift-path options, so we're sure to meet your needs. Vertical lift-path machines provide more reach at full lift height, while radius lift-path models offer maximum reach at truck-bed height. Both options feature our durable and patented single-plane design which reduces side-to-side lift arm movement and minimises load on the pins.

#### ▲ Smart Cooling

When the dust flies, the machine temperature rises and you're pushing to finish a project, you need a cooling system that won't let you down! The patented Bobcat® cooling system features a dual-path design that cools more efficiently, with a quiet fan that only turns as fast as needed. For added reliability, the radiator and hydraulic oil cooler are safely protected from jobsite hazards.

## ▲ Instrumentation

The optional M-Series Deluxe Instrumentation Panel brings the latest advances in communication, monitoring, productivity and control to your Bobcat® skid-steer loader or compact track loader. It monitors key loader functions, communicates alerts and provides additional attachment information to track usage. Using the ultra-sharp LCD screen and simple interface, you will be able to access data and helpful notifications to keep your loader operating at peak capacity with maximum uptime.

## ▲ Comfort <sup>2</sup>

### ▲ Improved Visibility

For safety and increased efficiency, Bobcat® skid-steer loader (SSL) and compact track loader (CTL) cabs are designed for the best possible all-around visibility. As you grade next to a building or load the machine on a trailer, you'll gain better sight lines for easier and faster operation. You can easily see the bucket corners and cutting edge from your seat. Your tracks or tyres are also visible without raising the loader arms.

### ▲ Pressurised Cab

In your line of work, you have to dive right in – where the dirt, dust, mud and debris are at their worst. That's why you need a Bobcat loader - our enclosed cabs have a best-in-class pressurised interior space that keeps down dust to a minimum, keeping you clean and comfortable. The one-piece seal and unique, curved door pocket ensure that you enjoy the best-possible protection. Keep warm air in the cab during cold weather, and ensure that cool air keeps you comfortable on hot days.

## ▲ Uptime Protection <sup>5</sup>

### ▲ Choice of tires

Bobcat offers extended choice of factory installed tires, ensuring they can be more closely matched to your job right from the start.

### ▲ Machine Protection

With Bobcat® skid-steer loaders (SSL) and compact track loaders (CTL), you're ready for almost anything that you could possibly encounter on the jobsite. The radiator and hydraulic oil cooler are protected from danger, while hoses are routed through the loader arms and frame uprights for extra protection. Quick couplers are mounted directly into the front plate of the lift arm. The solid-steel tailgate has no cooling holes or other openings for intrusions that could damage the machine.

### ▲ Uptime Protection

The Bobcat reputation for reliable equipment and maximum uptime protects your own reputation for timely, productive work. These better-built loaders rely on a range of features that help minimise maintenance and protect your machine: machine shutdown protection, self-diagnostics, battery run-down protection, cold weather protection and other features. What's more, Bobcat skid-steer loaders feature the industry's only maintenance-free chaincase, which further reduces maintenance and gives you added peace of mind.

### ▲ Maintenance-free chaincase

Another unique Bobcat advantage ... the only maintenance-free chaincase on the market! With exclusive fixed axle tubes, stronger axles, and fully sealed bearings to maximise uptime and your peace of mind. The protected axle seals never need adjustments or greasing. Endless roller, high-strength oval chains (HSOC) are manufactured to very strict tolerances, with thick side-link plates and hardened pins. The chains are 38% stronger than other manufacturers' chains.

### ▲ Keel-Shaped Undercarriage

Most other skid-steer loaders have flat bottoms. This means that when conditions turn wet and muddy, they can easily sink, spin and struggle. Bobcat® Skid-Steer Loaders are designed differently and they perform better in challenging conditions. The undercarriage is keel-shaped, with the lowest point at the centre of the machine, so the loader passes over most obstructions just like a boat slices through water. You'll be able to work more effectively, even in difficult conditions.

## ▲ Serviceability <sup>4</sup>

### ▲ Panoramic Serviceability

No other loaders are as easy to access for maintenance and servicing as Bobcat® skid-steer loaders (SSL) and compact track loaders (CTL). You receive easy, full access to the engine checks and fills, filters and battery. Unlike other brands, you do not need to raise the lift arms to service the machine. So you can spend your time completing maintenance work, rather than struggling to gain access.

### ▲ Grease Point Access

Bobcat makes maintenance simpler and faster with easy-to-access grease point locations on critical pivot points. So you don't have to lie on the ground or stand on the wheels or tracks to grease the pins.

### ▲ Transverse Engine and Belt Drive

Bobcat® loaders can be serviced from one side thanks to the exclusive belt-drive system. This durable technology with a multi-groove Kevlar™ belt allows your loader engine to run slower, which reduces noise and gives your machine longer durability. This optimised engine-to-pump package is also more efficient.

### ▲ Hydraulic Oil Site Gauge

You can check your hydraulic oil level quickly and easily as you walk by your machine. Always keep an eye on hydraulic oil levels and simplify your daily checks.

## ▲ Attachment Versatility <sup>3</sup>

^ **Do More**

Bobcat attachments help you do so much more. The versatility of our attachments and the support from the Bobcat dealer network is an unbeatable combination. Quick couplers give you clean, rapid attachment changes every time, and the attachment control kit simplifies operation. On selected attachments, high-flow hydraulics provide a big power boost.

^ **Bob-Tach**

With the standard Bob-Tach® mounting system you can change an attachment on your loader in less than a minute. So you can easily use different attachments - bucket, auger, landscape rake, grapple and many others - throughout your day. Developed more than 35 years ago, the Bob-Tach system is time-tested.

^ **Instrumentation**

The optional M-Series Deluxe Instrumentation Panel brings the latest advances in communication, monitoring, productivity and control to your Bobcat® skid-steer loader or compact track loader. It monitors key loader functions, communicates alerts and provides additional attachment information to track usage. Using the ultra-sharp LCD screen and simple interface, you will be able to access data and helpful notifications to keep your loader operating at peak capacity with maximum uptime.

## S590 Specifications

## Similar Machines



### S450 Skid-Steer Loader

This Bobcat® S450 is our most versatile skid-steer loader - the perfect machine for all your loading, carrying and cleaning jobs.

<b>Horsepower</b>	48.9 hp
<b>Rated Operating Capacity (ISO)</b>	608 kg
<b>Operating Weight</b>	2365 kg

### S590 Skid-Steer Loader

The Bobcat® S590 Skid-Steer Loader is our highest-lifting and most powerful 500 model.

<b>Horsepower</b>	69 hp
<b>Rated Operating Capacity (ISO)</b>	907 kg
<b>Operating Weight</b>	3069 kg

### S70 Skid-Steer Lo

The Bobcat® S70 Skid-spaces.

<b>Horsepower</b>	
<b>Rated Operating Capacity (ISO)</b>	
<b>Operating Weight</b>	

