



Compact Loaders

S220 / S250 / S300 / A300



First choice for the toughest jobs

Bobcat large-frame loaders deliver more versatility so you can excel in the toughest applications!



A wise investment

With the widest range of skid-steer loaders, Bobcat remains the benchmark against which all others are measured. With more power and larger lift capacities, Bobcat skid-steer and all-wheel steer loaders are ideal for tackling the toughest jobs.

Bobcat delivers power and versatility in a compact package, allowing you to work efficiently in confined spaces. Engineered for the most rugged applications, Bobcat loaders deliver low maintenance costs and high resale values. Designed not just as a loader but as a multi-functional tool-carrier, a Bobcat skid-steer or all-wheel steer loader is a truly wise investment.

Made-to-measure

Bobcat skid-steer and all-wheel steer loaders are built to meet a vast range of customer needs. Whether it is a vertical lift boom for stacking pallets, high flow hydraulics for enhanced attachment capabilities, enclosed cab for greater comfort or all-wheel steer for reduced ground disturbance – Bobcat has the solution.



More possibilities

From digging, loading, pushing and backfilling to hauling, spreading and demolishing, Bobcat loaders have what it takes to get the job done. There are over 60 Bobcat attachments to choose from, so a Bobcat loader is easily adapted to tackle any task.

Driven by innovation

The skid-steer concept was born of Bobcat's pioneering spirit and innovative thinking. These characteristics still drive the company's product development, and continually lead to advances in efficiency, ergonomics, comfort, safety and ease-of-use. The net result is higher productivity and a more profitable operation.

More comfort and safety for the operator

A comfortable, quiet and efficient cab is essential for operators working long hours in difficult conditions. Bobcat cabs are designed to optimize the use of space and provide maximum operational effectiveness.



Visibility and comfort

Take a seat in a Bobcat loader, and you'll notice the excellent all-round visibility and generous head-, waist-, leg- and elbow-room. Drive it and feel how the seat suspension provides a comfortable ride. The cab can be fitted with an optional heater (standard on A300) or air conditioning unit to create a more comfortable working environment. On Bobcat skid-steer loaders, the operator has a choice of three different control patterns to meet their exact preference. Safety comes standard with the Bobcat Interlock Control System (BICS). This system reduces the potential for accidents caused by inadvertent manoeuvres.

Failsafe system monitoring

This system monitors vital engine and hydraulic system functions (such as coolant temperature, oil pressure and hydraulic oil temperature). If a parameter is out of the normal operating range, both audible and visible warnings are given. If the situation could lead to a critical failure, the machine immediately shuts down.



Deluxe instrumentation

The optional deluxe instrumentation enables the operator to closely monitor the machine as well as adding another level of security. The keyless start feature allows the panel to be locked out to prevent unauthorised starting. Providing multi-language displays and enhanced monitoring of vital functions, the deluxe instrumentation panel delivers peace of mind.

Selectable Joystick Controls (SJC)

Selectable joystick controls use the latest technology to make the operator more comfortable. Optional on Bobcat skid-steer loaders, these controls allow the operator to change control patterns with the flip of a switch. The controls utilize a horsepower management system that automatically adjusts the drive system to maximize pushing and digging power. While the hand engine speed control lever allows for the setting of specific speeds, the accelerator pedal can increase speed on demand for extra operating efficiency.

Driven by innovation

Through a program of continual improvement, Bobcat ensures its skid-steer and all-wheel-steer loaders offer more in terms of increased productivity and versatility.



Designed for reliability and a long service life

At the heart of every Bobcat skid-steer and all-wheel steer loader lies the exclusive Bobcat transmission. This transmission uses a “bow-tie” chain drive configuration consisting of two continuous loops per side using pre-stressed 120 HSOC drive chains for unmatched strength. Unlike other transmissions, this design requires no chain adjustment or axle seal greasing. So, apart from 1000-hour oil changes, it is virtually maintenance-free.

Another Bobcat feature: The loader hydraulic pump is belt-driven, with spring-loaded idlers to maintain belt tension. This system is quiet in operation, enables a long service life, and reduces maintenance to a minimum.

The next step

The Bobcat loader's innovative new cooling system features SmartFAN™, a hydraulically-driven variable-speed cooling fan that is more efficient in many respects. It cools better in extreme operating conditions, is quieter, and requires less engine power. Driven by a hydraulic motor, the fan turns only when it's needed, and is not dependent on engine speed. Bobcat loaders continue to feature dual-path cooling, which draws cool, clean air from above the loader while pulling hot air from the engine and hydrostatic area.



Change attachments while sitting comfortably

The Bob-Tach™ mounting system allows attachments to be changed quickly by the operator while working on-site. And, with the optional Power Bob-Tach™, the operator can change non-hydraulic attachments without even leaving the cab. Activated by a switch in the centre panel, the Power Bob-Tach™ levers can be opened and closed hydraulically, increasing the versatility and productivity of all Bobcat loaders.

High flow

With the 151 l/min High Flow option, you can increase the hydraulic power available from your machine, enhancing attachment capabilities and performance. With this feature, your loader will become your favourite tool for all-year round use in combination with attachments such as the planer, wheel saw, Brushcat® rotary cutter, snow blower, wood chipper, stump grinder and trencher. The "High Flow" function is activated by an electrical control switch conveniently located on the left panel inside the cab.

Two machines in one!

With the Bobcat all-wheel-steer loader A300, you can choose at the flip of a switch between two different steering modes to suit the job: skid-steer mode to manoeuvre in tight spaces and turn within the length of the loader or all-wheel steer mode to reduce ground disturbance and tyre wear thanks to the 4 steerable axles.

With the Bobcat A300, you have in one machine the features and benefits of two different types of steering.



How does it work?

All-wheel steer mode

- Controlled by a single low-effort joystick.
- The inside tyres turn at a different angle and speed than the outside tyres.
- Both the right and left sides work together to minimise disturbance and damage to the turf as well as tyre wear.

Skid-steer mode

- Also controlled by a single joystick.
- The wheels on the left side turn independently of the wheels on the right side, allowing the loader to counter-rotate for maximum manoeuvrability.

Steerable axles

Unique in design, the A300 combines in one machine the smooth efficiency of an all-wheel steer loader and the agility of a skid-steer loader.

The illustrations below show the position of the steerable axles in all-wheel steer and skid-steer mode.

(1) All-wheel steer mode Axle shown at maximum turn angle of all-wheel steer mode.

(2) Skid-steer mode Axles remain straight for skid-steer mode operation.

Steerable axle ends have permanently lubricated U-joints for minimum maintenance.



Turf Friendly

In all-wheel steer mode, the A300 is gentle on grass and other sensitive surfaces, so there's little or no rework after the main job is finished. All-wheel steering is thus ideal for minimising disturbance to soft surfaces.

Tyre Friendly

Less tyre wear means longer tyre life. In all-wheel steer mode, the A300 is tyre-friendly, even when you're working on asphalt and other hard surfaces.

The Bobcat A300 features vertical lift path, giving superior lift height, reach, dump angle and excellent visibility for easy truck loading.

A heated cab, 2 speed ranges, and joystick controls are standard for increased comfort, efficiency and productivity.

All the tools you need ...

With Bobcat® compact equipment, you can do more work in less time with fewer people. With the industry's most reliable line of loaders and more attachment options than anyone else offers, Bobcat has the solution for you.



With Bobcat equipment, you can take on almost any task.

Site preparation — Has never been easier or more productive than today with Bobcat's extensive range of soil engaging attachments. From standard utility buckets to hydraulic powered graders and soil conditioners. Bobcat offers proven solutions with the most advanced technology right there at your fingertips. Whether you are site stripping, leveling the ground in preparation for seeding, Bobcat has it all! Bobcat equipment offers the size, power and versatility needed to carry out tasks in limited access areas where larger equipment cannot be used.

Material-handling — No matter what you need to lift and carry, there's a Bobcat loader and attachment to do the job. A wide range of different types of buckets is available to handle everything from digging and earthmoving to light materials such as removing snow in the winter. Heavy bulky materials like broken slabs of concrete and demolition debris can easily be handled using either a bucket and grapple or fork and grapple attachment. And the pallet fork is available to handle palletized loads.

Demolition work — A range of powerful, efficient hydraulic breakers using state-of-the-art engineering and components make fast work of any demolition project. The unique tool holder design allows the demolition tool to be replaced quickly and easily with Clip Bucket and Clip Ram accessories, the former used to clear debris from the worksite and the latter to compact the spoil when refilling the trench.

Heavy-duty work — The largest Bobcat loaders are designed to tackle the most demanding construction projects. Cold planers up to a metre in width make it possible to remove old asphalt and concrete fast and efficiently. With fingertip



controls, the operator is always completely in control of the machine and attachment, whether adjusting the precise depth or inclining the planer for a sloped cut. Cutting a channel cleanly through asphalt and even reinforced concrete up to 45 cm deep is no problem with the heavy-duty wheel saw.

Site maintenance — The sweeper attachment is ideal for general cleanup work where the material has to be collected and emptied into a truck or hauled offsite. On the other hand, a rotary broom can be angled to either side to keep sidewalks and access ways clear from mud and debris.

Landscaping work — No other compact equipment manufacturer offers such a variety of tools to do landscaping work. Stump grinders, flail cutters, rotary cutters and mowers are available to clear stumps and thick overgrowth on a new jobsite or for general groundcare and maintenance work along pedestrian walkways and roadways. Tools to work and prepare the soil include the tiller, soil conditioner and landscape rake, the latter ideal for removing debris and levelling the soil prior to laying turf.

More than just a machine

A Bobcat loader is backed up with service, parts and financing programs to keep it operational with minimum downtime.



The journey starts here

The pleasure of owning and operating a Bobcat loader begins with your local authorised Bobcat dealer. Knowledgeable sales personnel are on hand to guide you to the best machine, options and attachments for a specific application. They can also offer advice on financing possibilities, and the optional Protection Plus program for extended protection (24 months/3000 hours or 36 months/4000 hours) is available.

After-sales support

Bobcat dealer technicians are factory trained to enable them to make repairs and service machines in the most effective way. They have the latest diagnostic equipment to quickly get to the cause of any problem, and possess the skills and knowledge to carry out speedy repairs with genuine Bobcat parts.

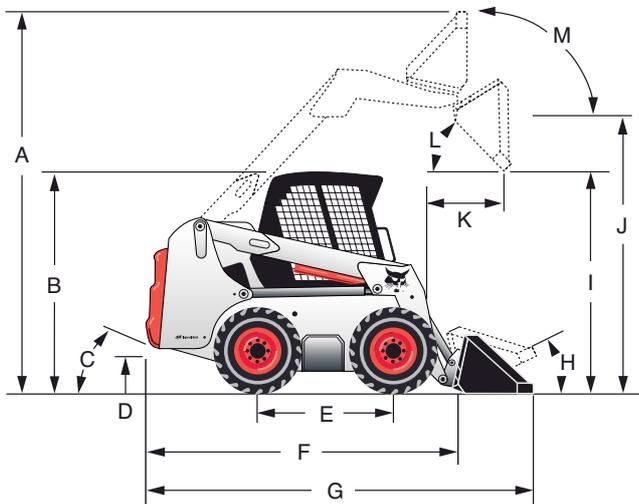
Maintenance has never been easier

From the start, a Bobcat loader is designed for cost-effective ownership. The use of maintenance-free and low-maintenance components is complemented with easy service access. All routine maintenance points are accessible from one side thanks to the transverse engine, while the large swing-out tailgate provides access to engine check and fill points, filters and battery.

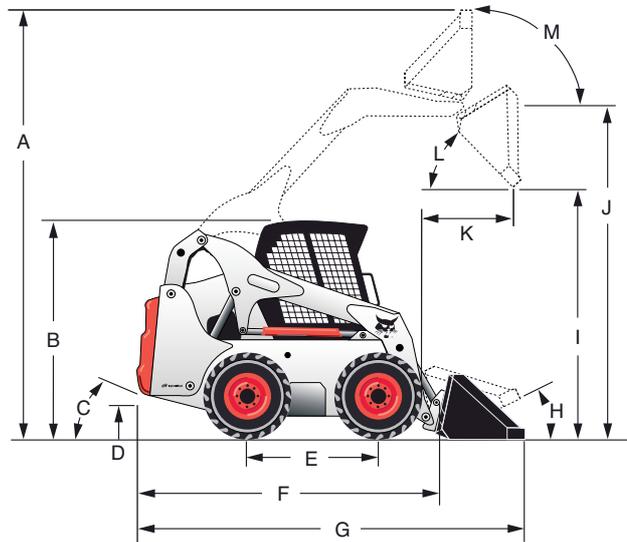


Another design feature that assists maintenance is the quick access to hydraulic and hydrostatic components, gained by simply removing two nuts at the front of the cab and tilting it up and back. Furthermore, the lift arms do not need to be raised to service the machine.

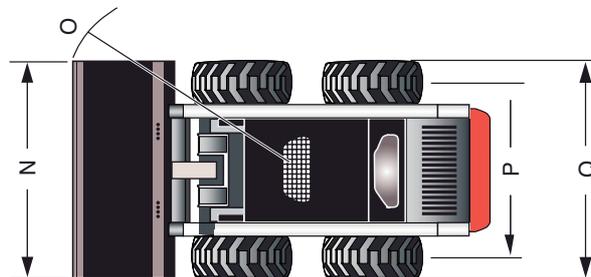
Specifications



Radius lift path: S220(H)



Vertical lift path: S250(H), S300(H), A300(H)



	S220/S220H	S250/S250H	S300/S300H	A300/A300H
A	3978	4079	4079	4079
B	2055	2055	2055	2055
C	25°	25°	25°	25°
D	216	216	221	221
E	1227	1227	1227	1227
F	2908	2908	2908	2908
G	3630	3630	3630	3630
H	30°	30°	30°	30°
I	2423	2517	2517	2517
J	3109	3272	3272	3272
K	549	859	859	859
L	41.1°	41.9°	41.9°	41.9°
M	90°	96.1°	96.1°	96.1°
N	1880	1880	2032	1880
O	2139	2139	2139	2139
P	1504	1504	1504	1580
Q	1829	1829	1829	1885

Machine rating	S220/S220H	S250/S250H	S300/S300H	A300/A300H
Rated Operating Capacity (ROC)	999 kg	1135 kg	1362 kg	1362 kg
Tipping load	2069 kg	2568 kg	2772 kg	2772 kg
Pump capacity	78.4 l/min / 151 l/min			
High flow hydraulics	Opt / Std	Opt / Std	Opt / Std	Opt / Std
System pressure	22.4-23.1 MPa	22.4-23.1 MPa	22.4-23.1 MPa	22.4-23.1 MPa
Travel speed (inching)	—	—	—	6.4 km/h
Travel speed (standard)	10.6 km/h	10.6 km/h	10.6 km/h	11.1 km/h
Travel speed (2 speed option (high range))*	18.5 km/h	18.5 km/h	18.5 km/h	19.1 km/h
Operating weight	3394 kg / 3414 kg	3549 kg / 3570 kg	3832 kg / 3860 kg	3934 kg / 3954 kg
Shipping weight	3018 kg	3181 kg	3363 kg	3538 kg

* optional for S220 / 250, std for S300, A300

Engine

Engine Kubota / Model	V3300-DI-T turbo	V3300-DI-T turbo	V3300-DI-T turbo	V3300-DI-T turbo
Fuel / Cooling	Diesel / Liquid	Diesel / Liquid	Diesel / Liquid	Diesel / Liquid
Type	Turbo	Turbo	Turbo	Turbo
Maximum power at RPM (ISO 9249)	54 kW / 2400	54 kW / 2400	58 kW / 2400	58 kW / 2400
Torque at RPM (SAE J1 995)	272 Nm / 1400	272 Nm / 1400	295 Nm / 1400	295 Nm / 1400
Number of cylinders / Displacement	4 / 3318 cm ³			
Fuel tank capacity	87.1 l	87.1 l	87.1 l	87.1 l

Control options

Bobcat Std (foot pedals / steering levers)	Std	Std	Std	—
Advanced Control System (ACS)	Opt	Opt	Opt	—
Selectable Joystick Controls (SJC)	Opt	Opt	Opt	—
Joystick controls for SSL / AWS Mode	—	—	—	Std

Tyres

Heavy duty 12-16.5 — 12-ply	Std	Std	Std	Std
Heavy duty with offset rims 12-16.5 — 12-ply	—	Opt	Opt	—
Severe duty polly-filled 12-16.5 — 12-ply	Opt	Opt	Opt	Opt
Super float 33 x 15.5 - 16.5 — 12-ply	Opt	Opt	Opt	Opt
Severe duty 12 x 16.5 — 12-ply	Opt	Opt	Opt	Opt
Segmented 12 - 16.5	Opt	Opt	Opt	—
Segmented — industrial type 8.25 - 15	Opt	Opt	Opt	—
Turf and sand 33 x 15.5 x 16.5 — 12-ply	—	—	—	Opt

Machine features

Bob-Tach™ — mechanical coupler	Std	Std	Std	Std
Power Bob-Tach™ — hydraulic coupler	Opt	Opt	Opt	Opt
Operating lights, front and rear	Std	Std	Std	Std
Bobcat Interlock Control System (BICS)	Std	Std	Std	Std
Deluxe operator cab*	Std	Std	Std	Std
Cab enclosure with heat	Opt	Opt	Opt	Std
Cab enclosure with heat and air conditioning	Opt	Opt	Opt	Opt
Deluxe instrument panel	Opt	Opt	Opt	Opt
Pressure release hyd. quick couplers	Std	Std	Std	Std
Fingertip auxiliary control	Std	Std	Std	Std
CE certification	Std	Std	Std	Std
Warranty: 12 months or 2000 hours	Std	Std	Std	Std

* Roll Over Protective Structure (ROPS) - meets requirements of SAE-J1040 and ISO 3471;
Falling Object Protective Structure (FOPS) - meets requirements of SAE-J1043 and ISO 3449, Level I*.

Attachments

Angle (snow) blade, Angle broom, Auger, Backhoe, Box blade, Brushcat, Buckets, Bucket adapter, Chipper, Combination bucket, Digger, Dozer blade, Drop hammer, Dumper, Flail cutter, Grader, Hydraulic breaker, Indus bkt grapple, Indus fork grapple, Landplane, Landscape rake, Mixing bucket, Mower, Pallet forks, Planer, Rear stabiliser, Salt and sand spreader, Scarifier, Scraper, Snow V-blade, Snow blower, Sod layer, Soil conditioner, Stump grinder, Sweeper, Three-point hitch, Tiller, Tilt-Tatch™, Tracks (steel), Trench compactor, Trencher, Utility forks, Utility frame, Utility grapple, Vibratory roller, Water kit, Wheel saw, Whisker broom



Ingersoll Rand is a world leader in the field of compact vehicles and equipment. Our widely known Bobcat® brand includes an extensive line of powerful, nimble compact construction equipment and attachments, and our state-of-the-art engineering capabilities and stylish designs are reflected in our world famous Club Car® vehicles.

www.clubcar.com www.bobcat.com www.ingersollrand.com

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