



# ***Skid-Steer Loaders***

*S130 / S150 / S160 / S175 / S185 / S205*



# The first and still the best

When Bobcat introduced the world's first skid-steer loader, they didn't just invent a new vehicle category; they defined the tool-carrier concept.



## **Benchmark performance**

Today Bobcat is the world leader in compact equipment. It is the brand of choice for owner-operators, fleet operators, contractors and hire companies. Able to tackle a vast range of tasks in every industry, a Bobcat® skid-steer loader remains the benchmark for productivity.

## **A wise investment**

A Bobcat skid-steer loader optimizes return on investment by providing versatility and increased productivity throughout its exceptionally long service life. Thoughtful design and quality engineering keep service and maintenance costs low, while the renowned Bobcat durability keeps the resale value high. As a multi-functional tool carrier, a Bobcat skid-steer loader can tackle more tasks and more applications. Investing in a Bobcat skid-steer loader pays for itself many times over.



### **Made-to-measure**

Bobcat skid steer loaders are built to meet a vast range of customer needs. Whether it is a vertical lift boom for stacking pallets, a turbo-charged engine for use at altitude, higher flow hydraulics for enhanced attachment capabilities or enclosed cabs for greater comfort – Bobcat has the solutions.



### **More possibilities**

From excavation to landscaping, demolition to material handling, Bobcat skid steer loaders have what it takes to get the job done! With over 60 Bobcat attachments to choose from, a Bobcat skid steer loader can tackle virtually any job.

### **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.

# Putting the operator first

Operators deserve a safe, comfortable, quiet and efficient operating space. Bobcat cabs are designed around their needs. Space, ease of use, operational effectiveness, Bobcat delivers!



## Visibility and comfort

Take a seat in a Bobcat skid-steer 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 or air conditioning unit to create a more comfortable working environment. Operators have a choice of three different control patterns to meet their exact preferences. 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 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. The panel has multi-language displays, and offers a greater level of monitoring of vital functions.

### Selectable Joystick Controls (SJC)

This low-effort control option combines fingertip control with the ability to switch between H-pattern and ISO-pattern controls, thereby providing operators with the choice of their favourite control system. 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 constant improvement, Bobcat ensures its skid-steer loaders offer more in terms of increased productivity and versatility.



## Innovation through design

The heart of a Bobcat loader skid-steer loader is its transmission. Bobcat loaders use a single belt and different size pulleys to power the hydraulic system. This allows the pump to turn faster than the engine, and provides several benefits. The engine runs quieter and has a longer service life. With spring-loaded idlers to maintain belt tension, maintenance is reduced to a minimum. The final drive uses pre-stressed heavy-duty chains with a 'bow-tie' chain-drive configuration consisting of two continuous loops per side. 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.

## Next step in innovation

The Bobcat skid steer 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 in most conditions. 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.

### **High Flow**

The S160 and S185 are equipped as standard with high flow hydraulics to improve the hydraulic power available and to enhance attachment capabilities. High flow hydraulics are also available as an option for the S175 and S205 loaders. With this feature, your skid-steer will become your favourite tool for all-year round use in combination with attachments like 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 situated on the left panel inside the cab for extra convenience.



### **Change attachments while sitting comfortably**

The Bob-Tach™ mounting system allows attachments to be changed quickly by the operator while working on-site. 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 Bob-Tach™ levers can be opened and closed hydraulically, increasing the versatility and productivity of all Bobcat skid-steer loaders.

# More than just a machine

A Bobcat skid-steer loader is backed up with a world class service, parts and financing programs to keep it operational with minimum downtime.



## The journey starts here

The pleasure of owning and operating a Bobcat skid-steer 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 approved replacement parts.



### **Maintenance has never been easier**

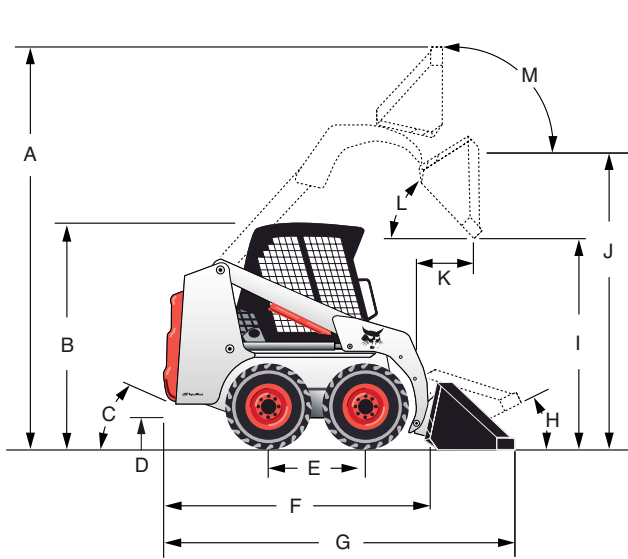
From the start, a Bobcat skid-steer loader is designed for cost-effective ownership. The use of maintenance-free and low-maintenance components is complemented with easy service access. All routine maintenance points are accessible from one side thanks to the transverse engine, while the large swing-out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



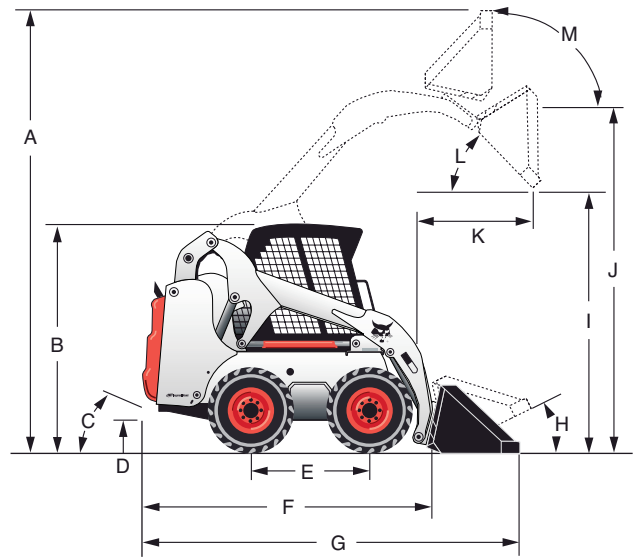
Other design aspects that assist maintenance.

Quick access to hydraulic and hydrostatic components is 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.

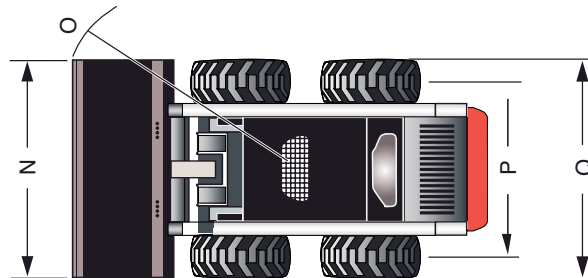
# Specifications



Radius lift path: S130, S150, S160H



Vertical lift path: S175(H), S185H, S205(H)



	S130	S150	S160H	S175/S175H	S185H	S205/S205H
A	3543	3759	3759	3862	3862	3862
B	1964	1938	1938	1938	1938	1938
C	23°	23°	23°	23°	23°	23°
D	188	191	191	191	191	191
E	900	1030	1030	1030	1030	1030
F	2432	2586	2586	2588	2588	2588
G	3152	3310	3310	3309	3309	3309
H	25°	25°	25°	25°	25°	25°
I	2100	2197	2197	2310	2310	2310
J	2781	2908	2908	3002	3002	3002
K	575	461	461	753	753	753
L	40°	44°	44°	42°	42°	42°
M	96°	92°	92°	95°	95°	95°
N	1575	1727	1727	1727	1727	1727
O	1745	2166	2166	2001	2001	2001
P	1165	1385	1385	1385	1385	1382
Q	1490	1676	1676	1676	1676	1676



Machine rating	S130	S150	S160H	S175/S175H	S185H	S205/S205H
Rated Operating Capacity (ROC)	590 kg	680 kg	726 kg	794 kg	840 kg	930 kg
Tipping Load	1195 kg	1407 kg	1497 kg	1872 kg	1849 kg	2019 kg
Pump capacity	64 l/min	64 l/min	100 l/min	64 l/min / 100 l/min	100 l/min	62 l/min / 96.5 l/min
High Flow hydraulics	-	-	Std	Opt / Std	Std	Opt / Std
System pressure	18.3 - 19.0 MPa	22.4 —23.1 MPa	22.4-23.1 MPa	22.4-23.1 MPa	22.4-23.1 MPa	22.4-23.1 MPa
Travel speed	11.8 km/h	11.3 km/h	11.8 km/h	11.8 km/h	11.8 km/h	11.75 km/h
Operating weight	2465 kg	2692 kg	2774 kg	2853 kg / 2873 kg	2821 kg	3023 kg / 3053 kg
Shipping weight	2128 kg	2327 kg	2409 kg	2488 kg	2456 kg	2658 kg

Engine						
Engine Kubota / Model	V2203-M-DI-E2B-BC-3	V2003-M-DI-E2B-BC-3	V2003-M-DI-TE28-BC-3 T	V2003-M-DI-E28-BC-3	V2003-M-DI-TE28-BC-3 T	V2403-M-DI-T
Fuel / Cooling	Diesel / Liquid	Diesel / Liquid	Diesel / Liquid	Diesel / Liquid	Diesel / Liquid	Diesel / Liquid
Type	Naturally aspirated	Naturally aspirated	Turbo	Naturally aspirated	Turbo	Turbo
Maximum power at RPM (ISO 9249)	34.3 kW / 2800	34.3 kW / 2800	41.8 kW / 2800	34.3 kW / 2800	41.8 kW / 2800	45.5 kW / 2700
Torque at RPM (SAE JI 995)	150 Nm / 1700	150 Nm / 1700	169 Nm / 1825	145 Nm / 1700	169.5 Nm / 1825	218 Nm / 1475
Number of cylinders / Displacement	4 / 2196 cm <sup>3</sup>	4 / 2196 cm <sup>3</sup>	4 / 1999 cm <sup>3</sup>	4 / 2196 cm <sup>3</sup>	4 / 1999 cm <sup>3</sup>	4 / 2433 cm <sup>3</sup>
Fuel tank capacity	50.3 l	90.8 l	90.8 l	90.8 l	90.8 l	90.8 l

Control options						
Bobcat Std (foot pedals / steering levers)	Std	Std	Std	Std	Std	Std
Advanced Control System (ACS)	Opt	Opt	Opt	Opt	Opt	Opt
Selectable Joystick Controls (SJC)	—	Opt	Opt	Opt	Opt	Opt

Tyres						
Standard duty 10 x 16.5 — 8-ply	Std	—	—	—	—	—
Heavy duty 10 x 16.5 — 10-ply	Opt	Std	Std	Std	Std	—
Heavy duty with offset rims 10 x 16.5 — 10-ply	Opt	Opt	Opt	Opt	Opt	—
Super float 31.5 x 13 - 16.5 — 10-ply	Opt	Opt	Opt	Opt	Opt	Std
Severe duty 10 x 16.5 — 10-ply	Opt	Opt	Opt	Opt	Opt	—
Severe duty poly filled 10 x 16.5 — 10-ply	Opt	Opt	Opt	Opt	Opt	—
Segmented 10 - 16.5	Opt	Opt	Opt	Opt	Opt	—
Segmented — industrial type 7.50 - 15	Opt	Opt	Opt	Opt	Opt	—

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

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