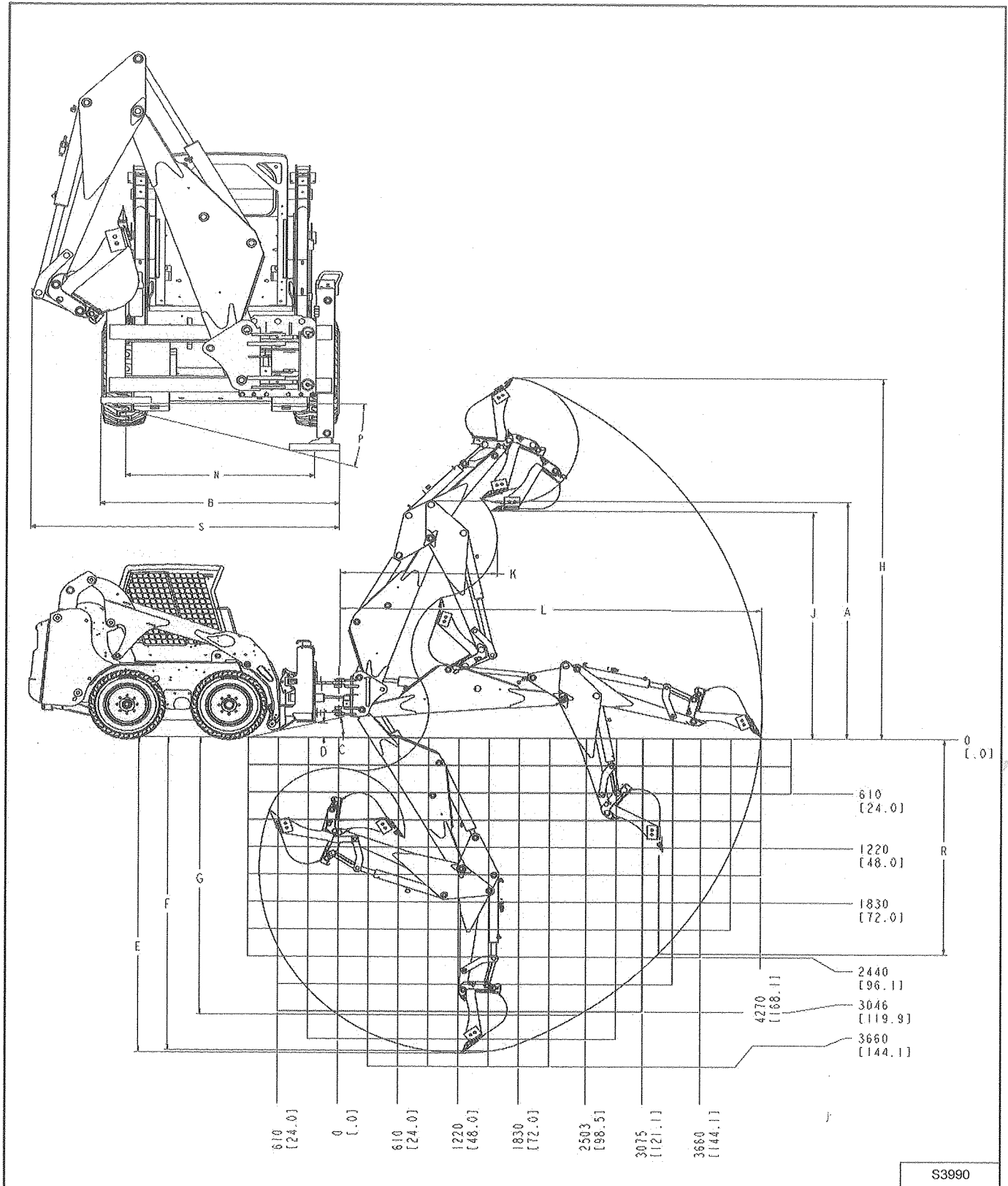


Loader/Backhoe specifications (R35S Backhoe)

Loader/backhoe dimensions

- Dimensions are given for loader equipped with standard tires. Dimensions may vary with other types. All dimensions are shown in millimetres.
- Where applicable, specifications conform to ISO standards and are subject to change without notice.

Figure 157



Hydraulic specifications

Reference	Value		
System relief valve setting	150 bar (15000 kPa)		
Boom relief valve setting:			
at piston side of cylinder	160 bar (16000 kPa)		
at rod side of cylinder	210 bar (21000 kPa)		
Dipper relief valve setting:			
at piston side of cylinder	205 bar (20500 kPa)		
at rod side of cylinder	190 bar (19000 kPa)		
Swing cylinder relief setting	150 bar (15000 kPa)		
Oil	SAE 10W40		
Cylinders	bore dia. (mm)	stroke dia. (mm)	rod (mm)
boom cylinder	88.9	654.8	38.1
arm cylinder	88.9	652.3	43.2
bucket cylinder	76.2	585.5	50.8
swing cylinder	76.2	224.8	38.1
stabilizer cylinder	57.2	359.7	31.8

Dimensional specifications

Reference	[Figure 155]	Value
Weight of backhoe with bucket	–	850 kg
Transport height	A	2655 mm
Stabilizer width	B	1547 mm
Ground clearance	C	135 mm
Angle of approach	D	11.0°
Digging depth maximum	E	3510 mm
Digging depth 2 ft flat bottom	F	3487 mm
Digging depth 8 ft flat bottom	G	3079 mm
Overall operating height fully raised	H	4032 mm
Loading height	J	2535 mm
Loading reach	K	1592 mm
Reach from swing pivot	L	4272 mm
Bucket rotation	M	201°
Swing arc		180°
Stabilizer spread operating position	N	1223 mm
Sideshift		738 mm
Levelling angle	P	15°
Straight wall digging depth	R	2344 mm
Transport width	S	1997 mm

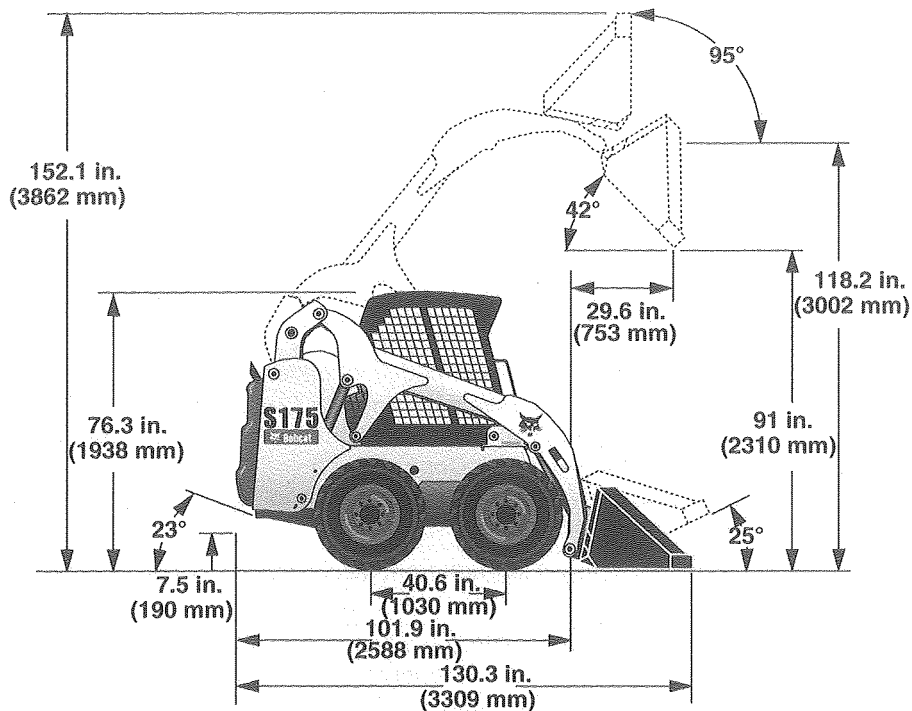
Operational specifications

Reference	Value
Digging force:	
using bucket cylinder	31296 N
using arm cylinder	22568 N
Controls	
Two lever main controls	
Left lever	
Lever forward	Arm extended
Lever backward	Arm retracted
Lever left	Swing left
Lever right	Swing right
Right lever	
Lever forward	Boom down
Lever backward	Boom up
Lever left	Bucket curl
Lever right	Bucket dump
Depress button	Momentary auxiliary flow
Two center stabilizers controls	
Levers down	Stabilizers down
Levers up	Stabilizers up
Sideshift locking lever	
Clockwise	Locked
Counterclockwise	Unlocked

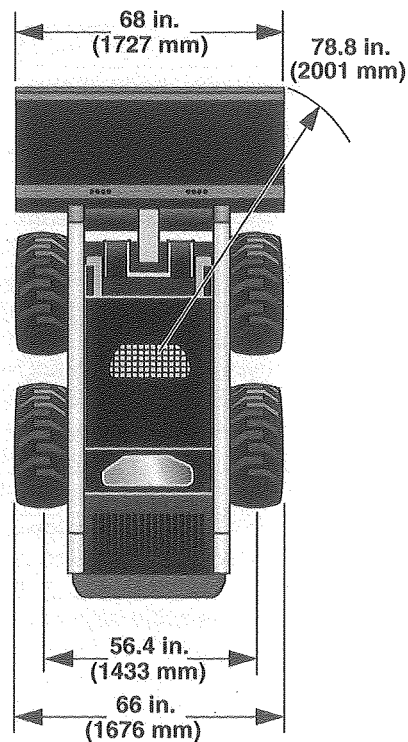
(S175) LOADER SPECIFICATIONS

Dimensions

- Dimensions are given for loader equipped with standard tires and Construction & Industry bucket and may vary with other bucket types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



B-16431



B-16432

Changes of structure or weight distribution of the loader can cause changes in control and steering response and can cause failure of the loader parts.