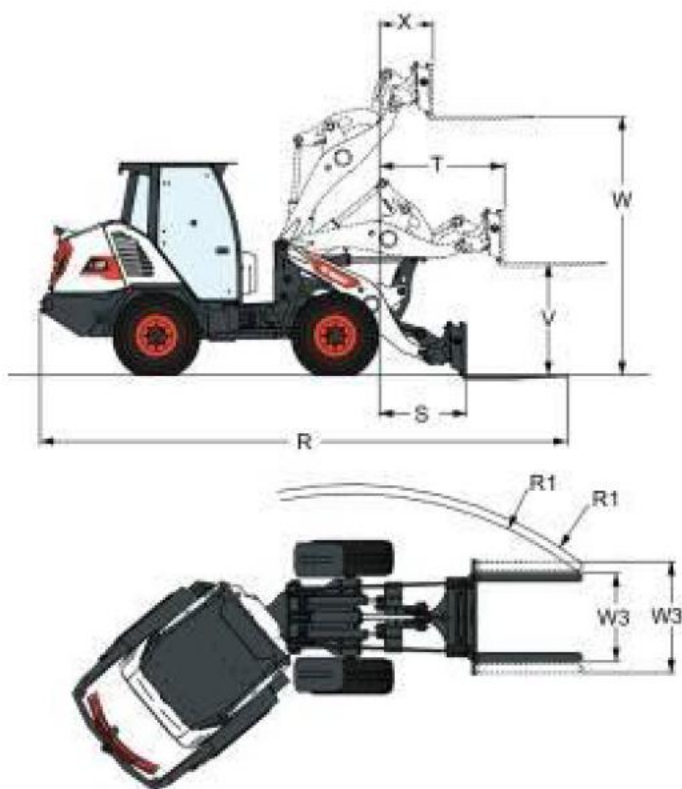




Bobcat

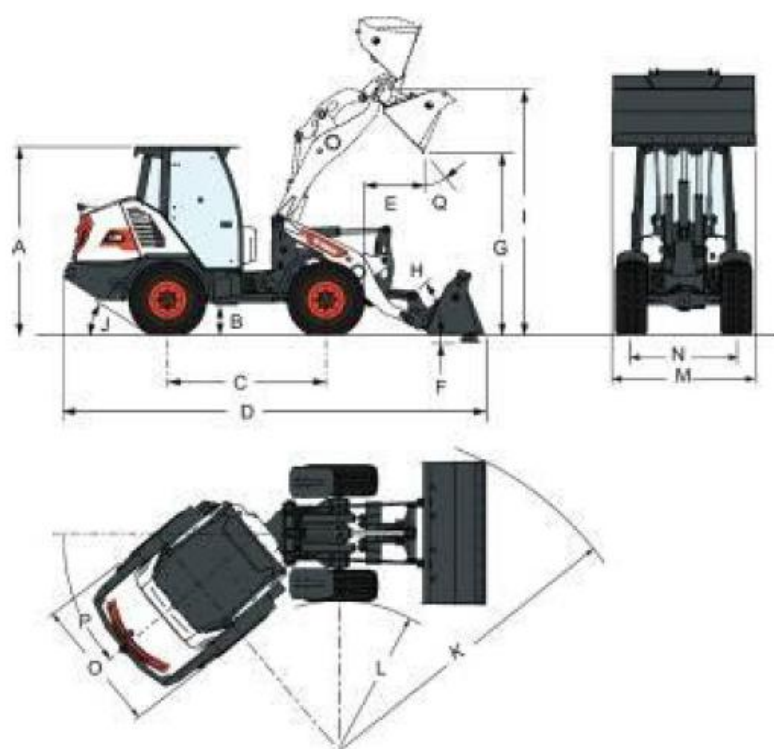
L100 | Loaders
Specifications



Dimensions - Pallet fork

(R) Overall Length with forks	5972.6 mm
(R*) Overall Length with Forks - BT	6202.7 mm
(S) Reach at Ground Level	740.1 mm
(S*) Reach at Ground Level - BT	970.6 mm
(T) Maximum Reach	1252.2 mm
(T*) Maximum Reach - BT	1441 mm
(V) Fork Height at Maximum Reach	1411.0 mm
(V*) Fork Height at Maximum Reach - BT	1359.3 mm
(W) Maximum fork height	3137.0 mm
(W*) Maximum fork height - BT	3085.3 mm
(X) Fork Reach at Maximum Height	416.4 mm
(X*) Fork Reach at Maximum Height - BT	603.8 mm

Dimensions, Bucket



(A) Cab Height	2534.7 mm
(B) Ground clearance	337.4 mm
(C) Wheelbase	2100 mm
(D) Overall Length with Bucket	5462.7 mm
(E) Reach at Maximum Dump Height	671.1 mm
(F) Dig Depth	63.0 mm
(G) Maximum Dump Height	2533.9 mm
(H) Rollback at ground position	49 deg
(I) Hinge Pin at Maximum Height	3287.0 mm
(J) Departure Angle	34.9
(K) Turning Radius Over Bucket	4329.2 mm
(L) Turning Radius Inside Tire	1982.1 mm
(M) Width Over Bucket	2000.0 mm
(N) Track, standard tyres	1400.0 mm
(O) Machine width	1807.0 mm
(P) Articulation Angle	40
(Q) Dump angle at maximum height	45
(R) Rollback fully raised at maximum height	70 deg

Performance with bucket

Tipping load, straight (ISO 14397-1) - light CW, BT	2756 kg
Rated operating capacity (ISO 14397-1) - light CW, QT	1982 kg
Lift capacity - heavy CW, BT (ISO 14397-2)	2312 kg
Bucket range	0.6 - 1.5 m³
Rated operating capacity, articulated (ISO 14397-1) - light CW, QT	1670 kg
Tipping load, straight (ISO 14397-1) - light CW, QT	3011 kg
Rated operating capacity, articulated (ISO 14397-1) - light CW, BT	1872 kg
Bucket capacity - light CW, BT	0.8 m³
Tipping load, articulated at 40° (ISO 14397-1) - light CW, BT	3025 kg
Lift Breakout force (ISO 14397-2)	4978 kg
Tipping load, articulated at 40° (ISO 14397-1) - light CW, QT	3339 kg
Rated operating capacity, straight (ISO 14397-1) - light CW, BT	2205 kg

Performance with pallet fork

Rated operating capacity, straight (ISO 14397-1) - QT	2409 kg
---	----------------

Hydraulic Cylinders

Lift cylinder bore	85 mm
Tilt cylinder bore	105 mm
Lift cylinder stroke	549 mm
Tilt cylinder stroke	437 mm
Lift cylinder rod	50 mm
Tilt cylinder rod	60 mm

Performance

Push force - 1 speed option	3880 kg
Tilt Breakout force (ISO 14397-2) - QT	5551 kg
Lift Breakout force (ISO 14397-2) - QT	4254 kg
Tilt Breakout force (ISO 14397-2) - BT	4465 kg
Push force - 2 speed option	4300 kg
Lift Breakout force (ISO 14397-2) - BT	4140 kg

Cycle Times

Lower lift arms	5.4 sec
Bucket rollback	2.9 sec
Raise lift arms	5.2 sec
Bucket dump	2.9 sec

Hydraulic System

Hydraulic filter	In tank with suction boost
System Relief	23.5
Implement pump Capacity	75.4 l/min
HF option capacity	103.5 l/min
Implement pump type	Section gear pump 2 (optionally 3)
Fluid lines	SAE standard tubelines, hoses, and fittings
Control valve	3 Spool (optionally 4) - parallel series type - open center
Charge pump capacity	35.88 l/min

Drive System

Main drive	Proportionally regulated hydrostatic motor
Transmission	Hydrostatic with electronic regulation

Fluid Capacities

Axles front	5 l
Gear box - 1 speed option	0.4 l
Hydraulic / Hydrostatic system	61 l
Axles rear - 2 speed option	5.3 l
Fuel tank	78.8 l
Cooling system with heater	11.8 l
Hydraulic / Hydrostatic reservoir	27.2 l
Cooling system without heater	11 l
Cooling recovery bottle	1.72 l
Gear box - 2 speed option	1.8 l
Engine oil with filter	8.4 l
Axles rear - 1 speed option	5.3 l

Controls

Vehicle braking	Combination of integrated 6 wet brake disk in rear axle with hydrostatic braking effect provision
Vehicle steering	Machine articulation via hydraulic steering with steering wheel
Travel Direction	Travel direction switch (F-N-R) on joysticks. Drive pedal in work and travel mode.
Machine hydraulics	Dual axis joystick for lift, tilt and auxiliary

Environmental

Bystander noise level LwA (EU Directive 2000/14/EC)	101 dB
Hand-arm vibration (ISO 5349-1)	0.82
Operator position noise level LpA (EU Directive 2006/42/EC)	78 dB
Whole body vibration (ISO 2631-1)	0.94
Whole body vibration (ISO 2631-1) uncertainty	0.47

Electrical

Alternator	13.5 V, 90 A nominal output
Starter	12V, 2.5kW
Ignition Switch	Activates starter and instrumentation
Battery	12 V, 110Ah, 1000CCA

Engine

Displacement	2393 cc
Bore	90 mm
Ignition	Diesel-compresion
Air filter	Dry replaceable cartridge with safety element
Rated torque speed	1800 rpm
Stroke	94 mm
Cooling	53% propylene glycol / 47% water mixture
Make / Model	DOOSAN INFRACORE / 2.4L BOBCAT ENGINE DM02-MFL11
Maximum torque at rated speed (SAE J1995)	281.4 Nm
Engine oil with filter capacity	8.4 l
Compliance	Stage V (V)
Rated power speed	2600 rpm
Fuel	Ultra low superfur diesel no. 1 or 2
Lubrication	Gear pump pressure
Number of cylinders	4
Crankshaft ventilation	Closed breathing
Maximum power at rated speed (ISO 14396)	55.2 kW

Weights

Shipping Weight - QT	4792 kg
Operating Weight - BT	5320 kg
Operating Weight- QT	5258 kg
Shipping Weight - BT	4853 kg

Options

- Beacon
- Brakes German
- Deluxe pressurized cab with HVAC
- Fire Extinguisher
- High-flow auxiliary hydraulics
- Road Package
- Road Lights LED German Homologation
- Radio FM/AM/DAB+/Phone Ready
- Power Bob-Tach™
- Differential Lock
- Automatic Ride Control
- 5" display
- Aux hydraulic coupler
- High Flow
- 40 km/h w/ mechanical gearbox
- Cloth seat
- Heated seat with air suspension
- Air Conditioning (HVAC)
- Telescopic steering column
- Leather steering wheel
- Radio Ready / Radio
- Work lights LED
- Heated Mirrors
- Reversible engine Fan
- 7 + 14 PIN Attachment control
- Bucket shake
- Return to Dig
- Bucket Level Indicator
- Storage Under Seat
- Load Hold Valves
- Backup alarm
- Additional counterweight
- Trailer hitch - ISO 50

Attachments

- Mixing Buckets
- Snow Blades
- Snow Pushers
- Snow V-Blades
- Spreaders
- Sweepers

Standard Features

- 40 km/h max drive speed
- Advanced Attachment Controls
- Automatic Ride Control
- Bobcat Telematics Europe
- Bucket Level Indicator
- Brakes Standard
- Automatic parking brake
- Cloth Heated Air Ride Seat w/LH armrest
- Deluxe pressurized cab with heating

- Key Ignition with Password
- Power Quicktach
- Rear View Camera
- Standard-flow auxiliary hydraulics
- Work Lights LED
- 12 V power outlet
- USB Charger
- Wheels 405/70 R20
- Warranty: 24 months or 2000 hours (whichever occurs first)

B7GB (11001 — B7GB 99999)

Specifications are subject to change without notice - Pictures of Bobcat units may show other than standard equipment