Hydraulic Cylinders

Tilt cylinder bore	76.20MM
Lift cylinder stroke	555.50 mmMM
Lift cylinder type	Double-acting
Lift cylinder bore	50.80MM
Tilt cylinder type	Double-acting
Lift cylinder rod	31.75 mmMM
Tilt cylinder stroke	268.20MM
Tilt cylinder rod	31.75 mmMM

Performance

Push force	1104.05 kgKILOGRAMS
Tipping load (ISO 14397-1)	724.00KG
Rated operating capacity (ISO 14397-1)	362.00KG
Tilt Breakout force (ISO 14397-2)	919.89 kgKILOGRAMS
Lift Breakout force (ISO 14397-2)	830.05 kgKG

Cycle Times

Lower lift arms	2.20
Bucket rollback	1.80
Bucket dump	2.10
Raise lift arms	3.50

Hydraulic System

Pump capacity	37.10
Pump type	Engine driven, gear type
Fluid lines	SAE standard tubelines, hoses, and fittings
System relief at quick couplers	13.79
Control valve	Three-spool, open-centre type with float detent o n lift and auxiliary spool with detent in one direction (manual)
Hydraulic filter	Full-flow replaceable — 10 µm synthetic media element

Drive System

Main drive	Fully hydrostatic; four-wheel drive
Final drive chains	Pre-stressed #60 HS endless roller chain (no master link) and sprockets in sealed chaincase with oil lubrication. (Chains do not require periodic adjustments.) Two chains per side with n o idler sprocket.
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Axle size	38.1 mm, heat treated. Axle tubes welded to chaincase.
Wheel bolts	Five 9/16–inch wheel bolts fixed to axle hubs

Traction

Max. travel speed	10.1 kmhKPH

Brakes

Parking brake	Rocker switch on left-hand instrument panel

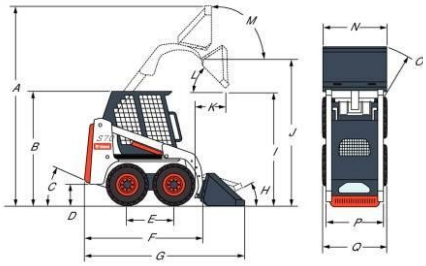
Fluid Capacities

Transmission chaincase reservoir	11.36 lL
Hydraulic / Hydrostatic system	15.14 lL
Cooling system with overflow bottle	5.68 lL
Fuel tank	24.61 lL
Hydraulic / Hydrostatic reservoir	5.02 lL
Engine oil with filter	3.69L

Fluid Specifications

Engine oil	* Can be used only when available with appropriate diesel rating. For synthetic oil use the recommendation from the oil manufacturer.
Oi	l must meet API Service Classification of CD, CE, CF4, CG4, or better. Recommended SAE viscosity number for anticipated temperature range.

Dimensions



(A) 3051.05 mm MM	(I) 1933.70 mm MM
(E) 721.61 mm MM	(F) 1921.02 mm MM
(G) 2472.44 mm MM	(J) 2399.28 mm MM
(L) 34.00	(P) 833.12 mm MM
(B) 1813.81 mm MM	(D) 140.72 mm MM
(O) 1491.49 mm MM	(M) 97.10
(Q) 900.94 mm MM	(K) 400.05 mm MM
(N) 914.40 mm MM	(H) 22.5
(C) 25.20	

Engine coolant	5 L can - 6904844A, 25 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D Propylene glycol/water mix (53% - 47%) with freeze protection to -37°C
Hydraulic fluid	Motor oil is not an acceptable alternative fluid. Bobcat Bio Hydraulic, 5 L can - 6904843A, 25 L container - 6904843B, 209 L drum - 6904843C, 1000 L tank - 6904843D Bobcat Superior SH, 5 L can - 6904842A, 25 L container - 6904842B, 209 L drum - 6904842C, 1000 L tank - 6904842D

Controls

Service brake	Two independent hydrostatic systems controlled by two hand-operated steering levers
Vehicle steering	Direction and speed controlled by two hand levers
Front auxiliary (standard)	Lateral movement of right-hand steering lever
Engine	Hand lever throttle
Auxiliary pressure release	Lateral movement of right-hand steering lever after engine has been shut off
Secondary brake	One of the hydrostatic transmissions
Loader hydraulics tilt and lift	Separate foot pedals
Starting	Key-type starter switch and shutdown. Automatically activated glow plugs.

Environmental

Whole body vibration (ISO 2631-1) uncertainty	0.77 m/s2MPERS2
Whole body vibration (ISO 2631-1)	1.92 m/s2MPERS2
Operator position noise level LpA (EU Directive 2006/42/EC)	86 dbDB
Hand-arm vibration (ISO 5349-1)	2.61 m/s2MPERS2
Hand-arm vibration (ISO 5349-1) uncertainty	1.31 m/s2MPERS2
Bystander noise level LwA (EU Directive 2000/14/EC)	97 dbDB

Electrical

Starter	12 V gear type 1.4 kW (1.88 HP)
Alternator	65 A ventilated
Battery	12 V - 650 A cold cranking at -18°C - 115 min reserve capacity at 25 A
Ignition Switch	Activates starter

Engine

Fuel	Diesel no. 2
Lubrication	Gear pump pressure
Number of cylinders	3
Ignition	Compression (diesel)
Make / Model	Kubota / D1005-E4B-BC-3
Maximum torque at rated speed (SAE J1995)	62.8 nmNEWTON-M
Rated torque speed	2200 rpmRPM
Bore	76.00MM
Maximum power at rated speed (ISO 14396)	17.2 kwKW
Air filter	Dry replaceable cartridge with separate safety element
Crankcase ventilation	Closed breathing
Compliancy	Stage V (V)
Displacement	1001.00
Stroke	73.60MM
Rated power speed	3000 rpmRPM
Cooling	Liquid

Weights

Operating Weight	1312.00KG
Shipping Weight	1154 kgKG

Options

Factory Options

- 23 x 8.50-12 6-ply, heavy duty tyres
- 7 and 14-pin electrical attachment control kit
- Cab enclosure kit
- Catalytic purifier kit
- Engine block heater kit
- Fire extinguisher kit
- Keyless kit
- Rear stabiliser kit
- Replacement operator cab structure
- Side windows kit
- Deluxe pressurized cab with heating

Dealer Installed Options

- Back up alarm kit
- Fresh air heater kit
- Front door kit
- Externally removable rear window
- Hydraulic bucket positioning kit
- Fuel cap locking kit
- Rear window wiper kit
- Seat belt kit
- Single-point lift kit

- Special applications front door kit
- 4-way flasher / rotating beacon / strobe
- Tailgate lock kit
- Water level sensor kit

Instrumentation

Standard Instrument Panel
- Hour-meter
- System voltage
- Indicators
- Seat belt
- Valve (lift and tilt functions)
- Warning lights
- Engine coolant temperature
- Hydraulic filter
- Hydrostatic charge pressure
- Gauges
- Engine coolant temperature
- Fuel level
- Bobcat Interlock Control System
- Seat bar
- Parking brake
- Engine oil pressure
- Transmission charge pressure
- Hydraulic oil temperature

Deluxe Instrument Panel

Same gauges, warning lights and other features as Standard Instrument Panel, plus:

Serviceability

Access is available to the following through the rear door/tailgate and rear screen:
- Alternator
- Cooling radiators
- Engine oil drain and dipstick
- Starter
- Air cleaner
- Battery
- Engine oil and fuel filters
- Hydraulic oil fill

Bob-Tach™ pivots have replaceable wear bushings

Axle hubs provide protection for the axle seals

Rod end of the tilt cylinder has a replaceable bushing

Easy access to all grease points

Tailgate is equipped with door-stop to hold door open while servicing

Tailgate has an optional lock for vandal-proofing

Tip-up operator cab gives access to certain hydraulic system components

Attachments

- Auger Accessories
- Boring Units
- Breakers
- Dumping Hoppers
- Landplanes
- Pallet Fork Accessories
- Root Grapples
- Stump Grinders
- Tillers
- Augers
- Breaker Accessories
- Dozer Blades
- Grapples, Industrial
- Miscellaneous
- Pallet Forks, Standard
- Soil Conditioners
- Sweepers
- Utility Forks

Standard Features

- Automatically activated glow plugs
- Back-up alarm
- Front auxiliary hydraulics
- Manual
- 23 x 5.70-12, 4–ply, Narrow tyres
- Operator cab
- Parking brake
- Seat belt
- Spark arrestor muffler
- Warranty: 24 months or 2000 hours (whichever occurs first)
- Bob-Tach™ frame
- Bobcat Interlock Control System (BICS)
- Suspension seat
- Lift arm support
- Operating lights, front and rear
- Roll Over Protective Structure (ROPS) – meets requirements of SAE-J1040 and ISO 3471
- Rear and top window
- Seat bar
- CE certification

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