Hydraulic Cylinders

Tilt cylinder bore	69.90MM
Tilt cylinder type	Double-acting with cushioning feature on dump and rollback
Lift cylinder rod	44.5 mmMM
Lift cylinder stroke	551.2 mmMM
Lift cylinder bore	69.90MM
Tilt cylinder stroke	331 mmMM
Tilt cylinder rod	38.10MM
Lift cylinder type	Double-acting

Performance

Lift Breakout force (ISO 14397-2)	2033 kgKG
Rated operating capacity (ISO 14397-1)	1134 kgKG
Tipping load (ISO 14397-1)	2268 kgKG
Push force	2773 kgKILOGRAMS
Tilt Breakout force (ISO 14397-2)	2290 kgKG

Cycle Times

Raise lift arms	3.80
Bucket rollback	1.6 secSEC
Lower lift arms	2.2 secSEC
Bucket dump	2.30

Hydraulic System

Pump capacity	66.50
Control valve	Three-spool, open-centre type with float detent o n lift and electrically controlled auxiliary spool
System relief at quick couplers	23.8-24.5 MPa
Pump capacity (with high flow option)	101.80
Hydraulic filter	Full-flow replaceable — 10 µm synthetic media element
Fluid lines	SAE standard tubelines, hoses, and fittings
Pump type	Engine driven, gear type

Drive System

Main drive	Fully hydrostatic; four-wheel drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Axle size	50.3 mm, heat treated. Axle tubes welded to chaincase. Labyrinth axle seal protection.
Final drive chains	Pre-stressed #80 HSOC 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.
Wheel bolts	Eight 9/16–inch wheel bolts fixed to axle hubs
Gradeability	11.00

Traction

Max. travel speed - High (Optional)	17.7 kmhKPH
Max. travel speed - Low (Optional)	11.8 kmhKPH

Brakes

Parking brake	Mechanical disc, hand-operated rocker switch on dash panel

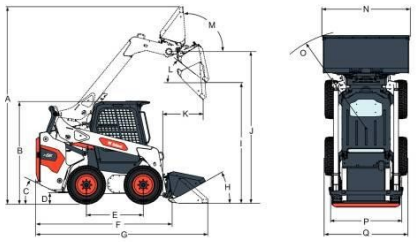
Fluid Capacities

Transmission chaincase reservoir	26.5 lL
Cooling system with heater	11.2 lL
Fuel tank	107.1 lL
Cooling recovery bottle	2.6 lL
Hydraulic / Hydrostatic system	41.6 lL
Hydraulic / Hydrostatic reservoir	18.9 lL
Cooling system without heater	11.8
Engine oil with filter	8.1 lL

Fluid Specifications

Engine oil	* Can be used only when available with

Dimensions



(F) 2717.80 MM	(K) 868.8 mm MM
(A) 3909.60 MM	(L) 37.00
(D) 188 mm MM	(N) 1727.20 MM
(M) 94.00	(B) 2044.70 MM
(G) 3427.00 MM	(I) 2395.80 MM
(C) 25.00	(J) 3048.00 MM
(H) 30.00	(O) 2033.40 MM
(Q) 1641.50 MM	(E) 1133.30 MM
(P) 1378.7 mm MM	

Oi	appropriate diesel rating. For synthetic oil use the recommendation from the oil manufacturer.
	l must meet API Service Classification of CD, CE, CF4, CG4, or better. Recommended SAE viscosity number for anticipated temperature range.
Engine coolant	Propylene glycol/water mix (53% - 47%) with freeze protection to -37°C
5 L can - 6904844A, 2	5 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D
Hydraulic fluid	Bobcat Superior SH, 5 L can - 6904842A, 25 L container - 6904842B, 209 L drum - 6904842C, 1000 L tank - 6904842D
Bobcat Bio Hydraulic, 5 L can	- 6904843A, 25 L container - 6904843B, 209 L drum - 6904843C, 1000 L tank - 6904843D
Motor oil is	not an acceptable alternative fluid.

Controls

Secondary brake	One of the hydrostatic transmissions
Engine	Hand lever throttle
Parking brake, two-speed option	Spring applied, pressure released multi-disk brak e activated by rocker switch
Service brake	Two independent hydrostatic systems controlled by two hand-operated steering levers
Front auxiliary (standard)	Electrical switch on right-hand steering lever
Auxiliary pressure release	Pressure is relieved through the coupler block. Push in and hold for 5 s.
Starting	Key-type starter switch and shutdown or optional keyless start. Glow plugs automatically activated by Standard or Deluxe instrument panel.
Rear auxiliary (optional)	Electrical switch on left-hand steering lever
Loader hydraulics tilt and lift	Selectable Joystick Controls (SJC) or separate foot pedals
Vehicle steering	Direction and speed controlled by Selectable Joystick Controls (SJC) or two hand levers

Environmental

Bystander noise level (ISO 6395)	101 dbDB
Operator position noise level per (ISO 6396 / ISO 4871)	78 dbDB
Whole body vibration (ISO 5349-1/2)	0.76 m/s2MPERS2
Whole body vibration (EN 12096) uncertainty	0.38 m/s2MPERS2
Hand-arm vibration (ISO 5349-1/2)	0.76 m/s2MPERS2

Electrical

Battery	12 V BCI group 31 - 1000 A cold cranking at -18°C - 186 min reserve capacity at 25 A
Starter	12 V gear type 2.7 kW (3.62 HP)
Alternator	90 A open frame with internal regulator
Ignition Switch	If equipped, activates starter and instrumentation

Engine

Maximum torque at rated speed (SAE J1995)	281.4 nmNEWTON-M
Crankcase ventilation	Closed breathing
Rated torque speed	1800 rpmRPM
Air filter	Dry replaceable cartridge with safety element
Stroke	94.00MM
Rated power speed	2600 rpmRPM
Lubrication	Ger pump pressure with filter
Bore	90.00MM
Make / Model	DOOSAN INFRACORE / D24 BSH SV 74 HP DM02-MFL01
Displacement	2400.00
Number of cylinders	4
Cooling	Liquid
Ignition	Diesel-compression
Compliancy	Stage V (V)
Fuel	Ultra low sulfur diesel no. 1 or 2
Maximum power at rated speed (ISO 14396)	55.2 kwKW

Weights

Shipping Weight	2948 kgKG
Operating Weight	3262 kgKG

Options

Factory Options	• 10 x 16.5, 10–ply, Heavy duty tyres, offset rim s

- 10 x 16.5, 10–ply, Severe duty tyres
- 31 x 12-16.5, 10–ply, Superflotation tyres , offset rims
- Auto HVAC
- Beacon
- Heated Cloth Air ride seat with 3 point seat belt
- Power Bob-Tach™
- Reversable Fan
- Strobe
- Cab enclosure kit
- 200 lbs (74.4 kg) counterweight kit
- Deluxe instrument panel
- Fresh air heater kit
- Door sensor kit
- Back up alarm kit
- Single-point lift kit
- 7-pin attachment control
- Rear auxiliary hydraulic kit
- Road kit
- Keyless kit
- 14-pin attachment control kit
- 80 mm Suspension seat kit
- Headlight guard kit
- Tail light guard kit
- 12 x 16.5, Solid flex tyres
- 7” Touch Display (Integrated Bluetooth, Hands Free Calling, Radio, Reversing Camera)
- Auto Ride Control
- Clear View Cab
- Manual Hand and Foot Controls
- Radio
- Reversing Camera

Dealer Installed Options

- Special applications front door kit
- Front axle counterweight kit
- Replacement Bob-Tach™
- Front door kit
- Plumbing kit for fresh air heater
- FOPS kit **
- Power Bob-Tach™ kit
- Four-point lift kit
- Engine block heater kit
- Bucket positioning kit
- Rear window wiper kit
- 4-Way flasher kit
- Cup holder kit
- Muffler guard kit

Instrumentation

Standard Instrument Panel

- Indicators
  - ◦ Engine preheat
  - ◦ Turn signals
  - ◦ Engine coolant temperature
  - ◦ General warning
  - ◦ Seatbar down
  - ◦ Hydraulic system malfunction
  - ◦ Parking brake
  - ◦ Engine oil pressure
- Buttons
  - ◦ High flow auxiliary hydraulics
  - ◦ Information (Hour meter, Engine RPM, Battery voltage, Service codes, Service reminder, Maintenance clock)
  - ◦ Press to operate loader
  - ◦ Parking brake
  - ◦ Beep when error, warning or shutdown condition exists

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

- Additional features
  - ◦ Digital clock
  - ◦ Attachments control information
  - ◦ High Flow lockouts
  - ◦ Help screens
  - ◦ Engine/hydraulic systems shutdown function
- Icons
  - ◦ Vitals (Engine speed, Oil Pressure, Temperature , System voltage, Hydraulic charge pressure, Oil temperature)
  - ◦ Main screen
  - ◦ Security
- Buttons
  - ◦ Enter
- Gauges
  - ◦ Fuel
  - ◦ Bobcat Interlock Control System
  - ◦ Two speed
- Warning lights
  - ◦ Fuel level
  - ◦ Seat belt
  - ◦ Engine malfunction
  - ◦ Lift and tilt valve, hydraulics lock-out
  - ◦ Hydraulic oil temperature
  - ◦ Hydraulic oil pressure
  - ◦ Work lights and road lights
  - ◦ Auxiliary hydraulics
  - ◦ Traction lock override
- Rocker switch
- Alarm

Deluxe Instrument Panel

- Gauges
  - ◦ Hydrostatic charge pressure
  - ◦ Battery
- Keyless start with password capability
  - ◦ User name and hourmeter
  - ◦ Current job hours
  - ◦ Multi-language display
  - ◦ Diagnostic capability
  - ◦ Password lockout
  - ◦ Active warnings
  - ◦ Service
  - ◦ Attachments
  - ◦ Display
- Buttons
  - ◦ Left scroll
  - ◦ Right scroll

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

Rod end of the tilt cylinder has a replaceable bushing

Tailgate is equipped with door-stop to hold door

Axle hubs provide protection for the axle seals

Easy access to all grease points

Tailgate has an optional lock for vandal-proofing

open while servicing

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

Attachments

- Auger Accessories
- Augers
- Backhoe Accessories
- Backhoes
- Bale Forks
- Boring Units
- Box Blades
- Breaker Accessories
- Breakers
- Brush Saws
- Brushcat™ Rotary Cutters
- Combination Buckets
- Concrete Mixers
- Concrete Pumps
- Construction / Industrial Buckets
- Diggers
- Dozer Blades
- Drop Hammers
- Dumping Hoppers
- Flail Cutters
- Forestry Cutters
- Graders
- Grapples, Industrial
- Landplanes
- Landscape Rakes
- Laser Equipment
- Low Profile Buckets
- Miscellaneous
- Mixing Buckets
- Mowers
- Pallet Fork Accessories
- Pallet Forks, Hydraulic
- Pallet Forks, Standard
- Planer Accessories
- Planers
- Rear Stabilizers
- Remote Control
- Root Grapples
- Rotary Grinders
- Sand Cleaners
- Scarifiers
- Scrapers
- Seeders
- Silt Fence Installers
- Skeleton Buckets
- Snow Blades
- Snow Pushers
- Snow V-Blades
- Sod Layers
- Soil Conditioners
- Spreader
- Spreaders
- Steel Tracks
- Stump Grinders
- Sweepers
- Tillers
- Tilt-Tatch
- Tree Transplanters
- Trench Compactors
- Trenchers
- Utility Forks
- Utility Frames
- Vibratory Rollers
- Wheel Saws
- Wood Chippers

Standard Features

- 10 x 16.5, 10–ply, Heavy duty tyres
- 3 Point Seat belt
- 5” Standard Display (Radio Ready)
- Adjustable suspension seat
- Auxiliary hydraulics: variable flow/maximum flow
- Backup Alarm
- Bobcat Interlock Control System (BICS)
- Bob-Tach™ Attachment System
- Deluxe pressurized cab with HVAC
- Dual Direction Bucket Positioning (including ON /OFF switch)
- Engine/hydraulics system shutdown
- High flow hydraulics
- Horn
- Key start
- LED Working Lights front and rear
- Lift arm support
- Manual
- Parking brake
- Seat bar
- Selectable Joystick Controls (SJC)
- Spark arrestor muffler
- Two speed travel
- Warranty: 24 months or 2000 hours (whichever occurs first)
- Machine IQ (telematic)

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