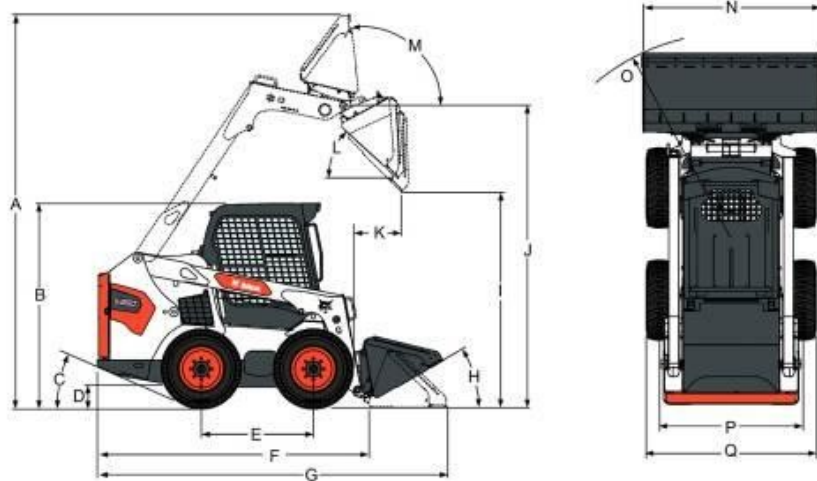




Dimensions



| | |
|---|------------|
| (A) Operating height | 3787.00 mm |
| (B) Height with operator cab | 1972.00 mm |
| (C) Angle of departure | 24.20 |
| (D) Ground clearance | 185.00 mm |
| (E) Wheelbase | 1082.00 mm |
| (F) Length without attachment | 2657.00 mm |
| (G) Length with standard bucket | 3378.00 mm |
| (H) Rollback at ground position | 30.00 |
| (I) Dump height with standard bucket | 2205.00 mm |
| (J) Height to bucket hinge pin | 2908.00 mm |
| (K) Dump reach at maximum height | 432 mm mm |
| (L) Dump angle at maximum height | 42.00 |
| (M) Rollback fully raised at maximum height | 97.00 |
| (N) Width over standard bucket | 1727.00 mm |
| (N) Bucket width, 62-inch | 1575.00 mm |
| (N) Bucket width, 74-inches | 1880.00 mm |

| | |
|---|------------|
| (O) Turning radius with standard bucket | 2032.00 mm |
| (P) Track, standard tyres | 1402 mm mm |
| (Q) Width over standard tyres | 1643.00 mm |
| (Q*) Width over tyres, 10 x 16.5, 10-ply, Heavy duty, offset rims | 1520.00 mm |

Hydraulic Cylinders

| | |
|----------------------|--|
| Lift cylinder stroke | 698.50 MM |
| Tilt cylinder bore | 70 mm MM |
| Tilt cylinder stroke | 331 mm MM |
| Lift cylinder type | Double-acting |
| Lift cylinder bore | 58 mm MM |
| Tilt cylinder type | Double-acting with cushioning feature on dump and rollback |
| Lift cylinder rod | 40 mm MM |
| Tilt cylinder rod | 40 mm MM |

Performance

| | |
|--|------------|
| Push force | 2521 |
| Rated operating capacity (ISO 14397-1) | 926.00 KG |
| Tilt Breakout force (ISO 14397-2) | 2156 |
| Tipping load (ISO 14397-1) | 1852.00 KG |
| Lift Breakout force (ISO 14397-2) | 1902 |

Cycle Times

| | |
|-----------------|-------------|
| Lower lift arms | 3.3 sec SEC |
| Raise lift arms | 3.60 |
| Bucket dump | 2.7 sec SEC |
| Bucket rollback | 2.0 sec SEC |

Hydraulic System

| | |
|---------------------------------------|---|
| System relief at quick couplers | 23.8-24.5 MPa |
| Fluid lines | SAE standard tubelines, hoses, and fittings |
| Pump capacity (with high flow option) | 101.10 |
| Hydraulic filter | Full-flow replaceable — 10 µm synthetic media element |
| Pump capacity | 64.70 |
| Pump type | Engine driven, gear type |
| Control valve | Three-spool, open-centre type with float detent on lift and electrically controlled auxiliary spool |

Drive System

| | |
|--------------------|---|
| Axle size | 50.3 mm, heat treated. Axle tubes welded to chaincase. Labyrinth axle seal protection. |
| Wheel bolts | Eight 9/16–inch wheel bolts fixed to axle hubs |
| Transmission | Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors |
| Gradeability | 20° Continuous and 30° Intermittent |
| 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 no idler sprocket. |
| Main drive | Fully hydrostatic; four-wheel drive |

Traction

| | |
|---|-------|
| Max. travel speed (high range - option) | 17.30 |
| Max. travel speed (low range) | 11.80 |

Brakes

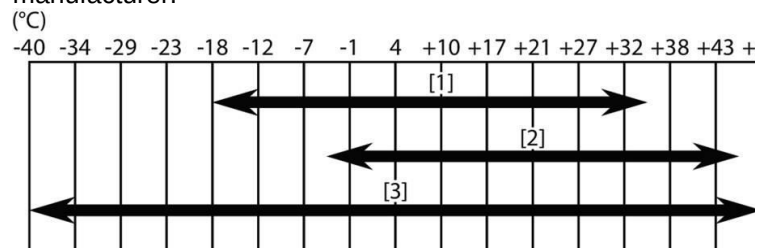
| | |
|---------------|--|
| Parking brake | Mechanical disc activated by manually operated switch on left instrument panel |
|---------------|--|

Fluid Capacities

| | |
|-----------------------------------|---------|
| Hydraulic / Hydrostatic system | 32.20 L |
| Hydraulic / Hydrostatic reservoir | 7.57 L |
| Cooling system without heater | 10.6 |
| Cooling system with heater | 10.90 L |
| Fuel tank | 93.70 L |
| Transmission chaincase reservoir | 32.20 L |
| Engine oil with filter | 8.60 L |

Fluid Specifications

| | |
|-----------------|--|
| Hydraulic fluid | <p>Motor oil is not an acceptable alternative fluid.</p> <p>Bobcat Bio Hydraulic, 5 L can - 6904843A, 25 L container - 6904843B, 209 L drum - 6904843C, 1000 L tank - 6904843D</p> <p>Bobcat Superior SH, 5 L can - 6904842A, 25 L container - 6904842B, 209 L drum - 6904842C, 1000 L tank - 6904842D</p> |
| Engine coolant | <p>Propylene glycol/water mix (53% - 47%) with freeze protection to -37°C</p> <p>5 L can - 6904844A, 25 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D</p> |
| Engine oil | <p>Must use API Category CI-4 or better, or ACEA E7 or better.</p> <p>Bobcat engine oils are recommended for use in this machine. If Bobcat engine oil is not available, use a good quality engine oil that meets API Service Category of CI-4 or better, or ACEA E7 or better</p> <p>Must use API Category CI-4 or better, or ACEA E7 or better.</p> <p>[1] SAE 10W-30</p> <p>[3] Bobcat Synthetic Oil – SAE 5W-40</p> <p>Refer to temperature range anticipated before next oil change.</p> <p>Bobcat engine oils are recommended for use in this machine. If Bobcat engine oil is not available, use a good quality engine oil that meets API Service Category of CI-4 or better, or ACEA E7 or better</p> <p>Do not use API Category FA-4 engine oil.</p> <p>[2] SAE 15W-40</p> <p>Refer to temperature range anticipated before next oil change.</p> <p>* Can be used only when available with appropriate diesel rating. For synthetic oil use the recommendation from the oil manufacturer.</p> |



Controls

| | |
|---------------------------------|---|
| Parking brake, two-speed option | Spring applied, pressure released multi-disk brake activated by rocker switch |
| Rear auxiliary (optional) | Electrical switch on left-hand steering lever or joystick (SJC) |
| Front auxiliary (standard) | Selectable Joystick Controls (SJC) or optional Proportional switch on Hand Levers |
| Auxiliary pressure release | Pressure is relieved through the coupler block. Push in and hold for 5 s. |
| Vehicle steering | Selectable Joystick Controls (SJC) or optional Hand Levers |
| Engine | Hand throttle or optional foot accelerator pedal (SJC) |
| Starting | Keyless start. Glow plugs automatically activated. |
| Service brake | Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s) (SJC) |
| Loader hydraulics tilt and lift | Selectable Joystick Controls (SJC) or optional Foot Pedals |

Environmental

| | |
|---|------------|
| Hand-arm vibration (ISO 5349-1) | 1.14 ms MS |
| Noise level LwA (EU Directive 2000/14/EC) | 99 |
| Whole body vibration (ISO 2631-1) | 1.01 |
| Operator LpA (98/37 & 474-1) | 82 |
| Whole body vibration (ISO 2631-1) uncertainty | 0.41 ms MS |

Electrical

| | |
|------------|---|
| Starter | 12 V gear type 3.2 kW (4.29 hp) |
| Alternator | 90 A open frame with internal regulator |
| Battery | 12 V L2 EFB - 700 A cold cranking at -18°C - 110 min reserve capacity |

Engine

| | |
|---|---|
| Fuel | Ultra low sulfur diesel no. 1 or 2 |
| Maximum power at rated speed (ISO 14396) | 68.3 kw KW |
| Air filter | Dry replaceable cartridge with safety element |
| Cooling | Liquid |
| Ignition | Diesel-compression |
| Make / Model | DOOSAN INFRACORE / 2.4L BOBCAT ENGINE |
| Number of cylinders | 4 |
| Bore | 90.00 MM |
| Maximum torque at rated speed (SAE J1995) | 186.8 nm NEWTON-M |
| Rated torque speed | 1800 rpm RPM |
| Compliance | Stage V (V) |
| Displacement | 2392.00 |
| Stroke | 94.00 MM |
| Rated power speed | 2600 rpm RPM |
| Crankcase ventilation | Closed breathing |
| Lubrication | Gear pump pressure |

Weights

| | |
|------------------|------------|
| Shipping Weight | 2612.00 KG |
| Operating Weight | 2995.00 KG |

Options

Factory Options

- Deluxe pressurized cab with heating
- Deluxe pressurized cab with HVAC
- Cloth Suspension Seat
- 10 x 16.5, 10-ply, Heavy duty tyres, offset rims
- 31 x 12-16.5, 10-ply, Superflotation tyres
- 10 x 16.5, 10-ply, Severe duty tyres
- 31 x 10 - 20, Industrial duty tyres

- Power Bob-Tach™
- Back-up alarm
- Radio
- Beacon
- Work Lights LED
- Strobe
- Road Option
- Automatic Ride Control
- Automatic Reversing Fan
- Custom paint color (min order of 5 units)

Dealer Installed Options

- Cab enclosure kit
- Special applications front door kit
- 200 lbs (74.4 kg) counterweight kit
- Front axle counterweight kit
- Fuel cap locking kit
- Deluxe instrument panel
- Replacement Bob-Tach™
- Fresh air heater kit
- Front door kit
- Door sensor kit
- Plumbing kit for fresh air heater
- Back up alarm kit
- FOPS kit **
- Single-point lift kit
- Power Bob-Tach™ kit
- Operator cab, CE, enclosure kit
- 7-pin attachment control
- Four-point lift kit
- Rear auxiliary hydraulic kit
- Engine block heater kit
- Road kit
- Bucket positioning kit
- Keyless kit
- Rear window wiper kit
- 14-pin attachment control kit
- 4-Way flasher kit
- 80 mm Suspension seat kit
- Cup holder kit
- Headlight guard kit
- Muffler guard kit
- Tail light guard kit

Instrumentation

Standard Instrument Panel

- Gauges
 - Engine coolant temperature
 - Fuel
- Indicators

- Bobcat Interlock Control System
- Engine preheat
- Two speed
- Turn signals
- Warning lights
- Engine coolant temperature
- Fuel level
- General warning
- Seat belt
- Seatbar down
- Engine malfunction
- Hydraulic system malfunction
- Lift and tilt valve, hydraulics lock-out
- Parking brake
- Hydraulic oil temperature
- Engine oil pressure
- Hydraulic oil pressure
- Buttons
- Work lights and road lights
- High flow auxiliary hydraulics
- Auxiliary hydraulics
- Information (Hour meter, Engine RPM, Battery voltage, Service codes, Service reminder, Maintenance clock)
- Traction lock override
- Press to operate loader
- Rocker switch
- Parking brake
- Alarm
- Beep when error, warning or shutdown condition exists

Deluxe Instrument Panel

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

- Gauges
 - Engine oil pressure / temperature
 - Hydrostatic charge pressure
 - Hydraulic oil temperature
 - Battery
- Additional features
 - Keyless start with password capability
 - Digital clock
 - User name and hourmeter
 - Attachments control information
 - Current job hours
 - High Flow lockouts
 - Multi-language display
 - Help screens
 - Auto Idle
 - DPF Management
 - Diagnostic capability
 - Engine/hydraulic systems shutdown function
 - Password lockout
- Icons

- Active warnings
- Vitals (Engine speed, Oil Pressure, Temperature, System voltage, Hydraulic charge pressure, Oil temperature)
- Service
- Main screen
- Attachments
- Security
- DPF Regeneration
- HEST Lamp
- Inhibit DPF Regeneration
- Forced Parked Regeneration
- Display
- Buttons
- Left scroll
- Enter
- Right scroll

Serviceability

Access is available to the following through the rear door/tailgate and rear screen:

- Air cleaner
- Alternator
- Battery
- Cooling radiators
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Hydraulic oil fill
- Starter

Axle hubs provide protection for the axle seals

Bob-Tach™ pivots have replaceable wear bushings

Easy access to all grease points

Rod end of the tilt cylinder has a replaceable bushing

Tailgate has an optional lock for vandal-proofing

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

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

Attachments

- Auger Accessories
- Augers
- Backhoes
- Bale Forks
- 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
- Graders
- Grapples, Industrial
- Landplanes
- Landscape Rakes
- Laser Equipment
- Low Profile Buckets
- Miscellaneous
- Mixing Buckets
- Mowers
- Pallet Fork Accessories
- Pallet Forks, Hydraulic
- Planer Accessories
- Planers
- Rear Stabilizers
- Remote Control
- Root Grapples
- Scarifiers
- Scrapers
- Seeders
- 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, Versatile duty tyres
- Selectable Joystick Controls (SJC - R/C Ready)
- High-flow auxiliary hydraulics

- 7-pin attachment control
- 2 Speed
- Bobcat Interlock Control System (BICS)
- Parking brake
- Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light and electrical power port
 - 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
- Noise reduction kit
- Operating lights, front and rear
- Deluxe instrument panel
- Keyless start with password capability
- Suspension seat
- Seat belt
- Seat bar
- Hydraulic bucket positioning (including ON/OFF switch)
- Bob-Tach™ frame
- Cushioned lift and tilt cylinders
- Lift arm support
- Engine/hydraulics system shutdown
- Spark Arrester
- Automatically activated glow plugs
- Electrically activated proportional front auxiliary hydraulics
- Auxiliary hydraulics: variable flow/maximum flow
- Machine IQ (telematic)
- Manual
- CE certification
- Warranty: 24 months or 2000 hours (whichever occurs first)

B4ZD 11001 — B4ZD 99999 •

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