

Machine Rating

Rated operating capacity (no more than 35% of
 Tipping Load)

Hydraulic Cylinders

| | |
|----------------------|--|
| Tilt cylinder bore | 60.0 mmMM |
| Lift cylinder type | Double-acting |
| Lift cylinder bore | 50.0 mmMM |
| Tilt cylinder rod | 32.0 mmMM |
| Lift cylinder stroke | 665.0 mmMM |
| Tilt cylinder stroke | 353.9 mmMM |
| Tilt cylinder type | Double-acting with cushioning feature on dump and rollback |
| Lift cylinder rod | 32.0 mmMM |

Performance

| | |
|--|------------------|
| Ground pressure | 34 kPaKPA |
| Tilt Breakout force | 1781 kgKILOGRAMS |
| Tipping load (ISO 14397-1) | 2049 kgKG |
| Lift breakout force | 1426 kgKILOGRAMS |
| Rated operating capacity (ISO 14397-1) | 717 |
| Push force | 2388 kgKILOGRAMS |

Cycle Times

| | |
|-----------------|------------|
| Raise lift arms | 2.7 secSEC |
| Bucket rollback | 1.6 secSEC |
| Lower lift arms | 2.2 secSEC |
| Bucket dump | 2.3 secSEC |

Hydraulic System

| | |
|---------------------------------|---|
| Hydraulic filter | Full-flow replaceable — 10 µm synthetic media element |
| Fluid lines | SAE standard tubelines, hoses, and fittings |
| Pump type | Engine driven, gear type |
| Control valve | Three-spool, open-centre type with float detent on lift and electrically controlled auxiliary spool |
| System relief at quick couplers | 22.4-23.1 MPa |
| Pump capacity | 63.2 lL |

Drive System

| | |
|---------------------|--|
| Tracks | 300 mm width. Tension-grease cylinder and triple-flange spring rollers |
| 300 mm wide, rubber | |

Traction

| | |
|---|-------|
| Max. travel speed | 10.04 |
| Max. travel speed (high range – optional) | 14.40 |

Brakes

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

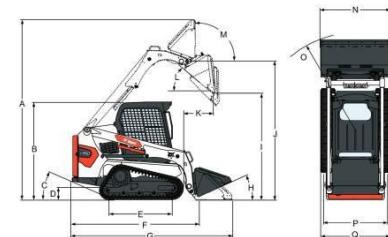
Fluid Capacities

| | |
|-----------------------------------|--------|
| Fuel tank | 64.90L |
| Hydraulic / Hydrostatic system | 21.00L |
| Cooling system without heater | 11.30L |
| Engine oil with filter | 8.60L |
| Cooling system with heater | 12.30L |
| Hydraulic / Hydrostatic reservoir | 5.30L |

Fluid Specifications

| | |
|--|-----------------------|
| Hydraulic fluid 25 L container - 6904842 | 209 L drum - 6904843C |
| 1000 L tank - 6904842D | B |
| 1000 L tank - 6904843 | D |
| Bobcat Superior SH 209 L drum - 6904842C 5 L | can - 6904843A |
| 5 L can - 6904842A 25 L container | r - 6904843B |
| Bobcat Bio Hydraulic | |

Dimensions



Width with standard bucket

| | |
|------------------|------------------|
| (A) 3604.3 mm MM | (J) 2781.3 mm MM |
| (B) 1976.1 mm MM | (K) 596.9 mm MM |
| (C) 28.00 | (L) 40.00 |
| (D) 213.4 mm MM | (M) 91.00 |
| (E) 1275.1 mm MM | (N) 1422.4 mm MM |
| (F) 2499.4 mm MM | (N*) 1575.00 MM |
| (G) 3215.6 mm MM | (O) 1978.7 mm MM |
| (H) 26.00 | (P) 1310.4 mm MM |
| (I) 2128.5 mm MM | (Q) 1397.00 MM |

| | |
|---|---|
| Engine oil | For synthetic oil use the recommendation from the oil manufacturer. |
| Oil must meet API Service | Classification of CJ-4 or better, or ACEA E9 or better. |
| Recommended SAE viscosity number for | anticipated temperature range. |
| * Can be used on | y when available with appropriate diesel rating. |
| Engine coolant 25 L container - 6904844B | Bobcat PG Coolant |
| 5 L can - 6904844A 209 L | 1000 L tank - 6904844D drum - 6904844C |

Controls

| | |
|---------------------------------|---|
| Loader hydraulics tilt and lift | Separate foot pedals or Selectable Joystick Control (SJC) |
| Service brake | Two independent hydrostatic systems controlled by two hand-operated steering levers |
| Engine Starting | Hand lever throttle Key-type starter switch and shutdown or optional keyless start. Glow plugs automatically activated by Standard or Deluxe instrument panel. |
| Vehicle steering | Direction and speed controlled by two hand levers or optional joysticks |
| Auxiliary pressure release | Pressure is relieved through the coupler block. Push in and hold for 5 s. |
| Front auxiliary (standard) | Electrical switch on right-hand steering lever |
| Rear auxiliary (optional) | Electrical switch on left-hand steering lever |

Environmental

| | |
|---|-----------|
| Whole body vibration (ISO 2631-1) uncertainty | 0.40 msMS |
| Operator LpA (98/37 & 474-1) | 85.00 |
| Whole body vibration (ISO 2631-1) | 1.00 |
| Hand-arm vibration (ISO 5349-1) | 2.42 |
| Noise level LWA (EU Directive 2000/14/EC) | 101.00 |

Safety

| | |
|--|---|
| Seat bar, standard | Secondary operator restraint, also serves as an arm rest. |
| Attachment steps, standard | Should always be used when entering/exiting loader. |
| Back-up alarm, optional | For use in areas with high traffic |
| Rear window, standard | For emergency exit. |
| Bobcat Interlock Control System (BICS), standard | Requires the operator to be seated in the loader with the seat bar in place and the engine running. After the operator presses the "Press to Operate Loader" button, the loader's hydraulic lift and tilt functions and traction drive can be operated. |
| Lift arm bypass control, standard | Used to lower the lift arms in the event that the lift arms cannot be lowered during normal operating conditions. |
| Parking brake, standard | Always set brake when leaving loader. |
| Operator cab, standard | An enclosed operator cab with side screens with a minimal inside cab width of 838 mm. Meets SAE-J1040 and ISO 3471 for Roll Over Protective Structure (ROPS) and SAE-J1043 and ISO 3449 Level I * for Falling Objects Protective Structure (FOPS). Level II ** option is available. |
| Seat belt, standard | Should always be worn when operating the loader. Three-point shoulder belt provides restraint for high range speeds. |
| Lift kits, optional | Lift kits are available so loader may be lifted into remote areas. |
| Lift arm support, standard | Use for servicing when lift arms are raised. |
| Safety tread, standard | Slip resistant tread on lift arms and main frame to be used when entering/exiting loader. |
| Grab handles, standard | Should always be used when entering/exiting loader. |
| Front and rear work lights, standard | Use for indoor and low light operation. |
| Operator handbook, standard | Weather-resistant operator handbook attached to the inside of the cab, providing operational instructions and warnings decals with pictorials and international symbols. |
| Special applications kit, optional | Restricts objects and material from entering cab openings. |

Electrical

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

Engine

| | |
|--------------------------------------|--|
| Torque at 1800 RPM (SAE J1995 Gross) | 205.0 nm/NEWTON-M |
| Power at 2600 RPM (ISO 14396) | 41.00kW |
| Make / Model | DOOSAN INFRACORE / 2.4L BOBCAT ENGINE DM02-MFL04 |
| Cooling | Liquid |
| Stroke | 94.00MM |
| Air filter | Dry replaceable cartridge with safety element |
| Ignition | Diesel-compression |
| Crankcase ventilation | Closed breathing |
| Bore | 90.00MM |
| Number of Cylinders | 4 |
| Displacement | 2393.00 |
| Fuel | Ultra low sulfur diesel no. 1 or 2 |
| Lubrication | Gear pump pressure |
| Compliancy | Stage V (V) |

Weights

| | |
|------------------|-----------|
| Operating Weight | 2961.00KG |
| Shipping Weight | 2665.00KG |

Options

| | |
|---------------------------------------|--|
| Factory Options | <ul style="list-style-type: none"> Deluxe pressurized cab with heating Selectable Joystick Controls (SJC) Cloth Suspension Seat Hydraulic bucket positioning (including ON/OFF switch) Radio Back-up alarm Work Lights LED Custom paint color (min order of 5 units) Rear Camera with Display kit Cab enclosure kit 200 lbs (74.4 kg) counterweight kit Fuel cap locking kit Replacement Bob-Tach™ Front door kit Plumbing kit for fresh air heater FOPS kit ** Power Bob-Tach™ 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 |
| • Deluxe pressurized cab with HVAC | |
| • 2 Speed | |
| • Attachment control device | |
| • Power Bob-Tach™ | |
| • Strobe | |
| • Beacon | |
| • Road Option | |
| Dealer Installed Options | |
| • Ride control | |
| • Special applications front door kit | |
| • Front axle counterweight kit | |
| • Deluxe instrument panel | |
| • Fresh air heater kit | |
| • Door sensor kit | |
| • Back up alarm kit | |
| • Single-point lift kit | |
| • Operator cab, CE, enclosure 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 | <ul style="list-style-type: none"> Gauges Fuel level Engine preheat Turn signals General warning Seatbar down Hydraulic system malfunction Parking brake Engine oil pressure Buttons Auxiliary hydraulics |
| ◦ Engine coolant temperature | |
| • Indicators | |
| ◦ Two speed | |
| • Warning lights | |
| ◦ Seat belt | |
| ◦ Engine malfunction | |
| ◦ Lift and tilt valve, hydraulics lock-out | |
| ◦ Hydraulic oil temperature | |
| ◦ Hydraulic oil pressure | |
| ◦ Work lights and road lights | |
| ◦ Information (Hour meter, Engine RPM, Battery voltage, Service codes, Service reminder) | |
| ◦ 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:

| | |
|-------------------------------------|--|
| ◦ Engine oil pressure / temperature | <ul style="list-style-type: none"> Gauges Hydrostatic charge pressure Battery Keyless start with password capability User name and hourmeter Current job hours |
| ◦ Hydraulic oil temperature | |
| • Additional features | |
| ◦ Digital clock, date and time | |
| ◦ Attachment 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

- Multi-language display
- Diagnostic capability
- Password lockout
- Active warnings

- Service
- Attachment control information
- Display
- Left scroll
- Right scroll

Serviceability

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

- Alternator
- Cooling system (engine oil and hydraulic oil coolers easily separable for cleaning)
- Engine oil drain and dipstick
- Starter

Easy access to all lift arm grease points

Tailgate has an optional lock for vandal-proofing

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

- Air filter
- Battery
- Engine oil and fuel filters
- Hydraulic oil fill and filter (access at the upper right side of the machine)

Access available via the side of the machine:

Rod end of the tilt cylinder has a replaceable bushing

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

Bob-Tach™ pivots have replaceable wear bushings

Attachments

- Auger Accessories
- Backhoes
- Box Blades
- Breakers
- Brushcat™ Rotary Cutters
- Concrete Mixers
- Diggers
- Dumping Hoppers
- Graders
- Landplanes
- Laser Equipment
- Miscellaneous
- Pallet Fork Accessories
- Planer Accessories
- Remote Control
- Scarifiers
- Seeders
- Snow Blades
- Snow V-Blades
- Soil Conditioners
- Spreaders
- Tillers
- Utility Forks
- Vibratory Rollers
- Augers
- Bale Forks
- Breaker Accessories
- Brush Saws
- Combination Buckets
- Construction / Industrial Buckets
- Dozer Blades
- Flail Cutters
- Grapples, Industrial
- Landscape Rakes
- Low Profile Buckets
- Mowers
- Pallet Forks, Hydraulic
- Rear Stabilizers
- Root Grapples
- Scrapers
- Skeleton Buckets
- Snow Pushers
- Sod Layers
- Spreader
- Sweepers
- Tilt-Tatch
- Utility Frames
- Wood Chippers

Standard Features

- Bobcat Interlock Control System (BICS)
- Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light and electrical power port
- Noise reduction kit
- Deluxe instrument panel
- Suspension seat
- Seat bar
- Bob-Tach™ frame
- Lift arm support
- Spark Arrester
- Electrically activated proportional front auxiliary hydraulics
- Machine IQ (telematic)
- CE certification
- Parking brake
- 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
- Operating lights, front and rear
- Keyless start with password capability
- Seat belt
- Tracks — rubber — 300 mm
- Cushioned lift and tilt cylinders
- Engine/hydraulics system shutdown
- Automatically activated glow plugs
- Auxiliary hydraulics: variable flow/maximum flow
- Manual
- Warranty: 24 months or 2000 hours (whichever occurs first)