

Engine

Make / Model	Perkins / 1104C-44T
Compliance	EU Stage II and EPA Tier 2
Aspiration	Turbocharged
Number of cylinders	4.0
Displacement	4.40 L
Rated gross power (ISO 14396)	74.5 kW
Rated gross power (ISO 14396)	100.0 HP
Rated speed	2200.0 RPM
Maximum torque @1350 RPM	408.0 Nm
Bore	105.0 mm
Stroke	127.0 mm
Fuel	Diesel
Cooling	Water

Electrical System

Battery	12 V 120 Ah
Alternator	75 A
Starter	3.2 kW

Transmission

Make / Model	ZF
Type	Powershift
Max travel speed 1st forward/reverse	6.5/7.0 km/h
Max travel speed 2nd forward/reverse	11.0/12.0 km/h
Max travel speed 3rd forward/reverse	26.0/30.0 km/h
Max travel speed 4th forward/reverse	40.0/0.0 km/h

Front Axle

Make	ZF
Type	4WD
2WD/4WD selection	By switch on dashboard
Design	Outboard planetary
Limited slip	Standard
Oscillation	20.0°

Rear Axle

Make	ZF
Design	Outboard planetary
Differential lock	Standard

Hydraulic System

System type	Open centre
Pump	Tandem gear pump
Flow	90.0 + 64.0 L/min
System pressure	220.00 bar
Controls, backhoe	Mechanical levers
Controls, loader	Mechanical lever

Steering

Type	2WS
Turning circle (unbraked), outside front tyres	9500.0 mm
Turning circle (unbraked), outside loader bucket	12320.0 mm

Brakes

Service type	Hydraulic wet multi disc, dual pedal braking
Parking type	Mechanical control on rear axle

Loader Performance

Bucket width	2280.0 mm
Bucket capacity, GP	1.10 m³
Bucket capacity, 6 in 1	1.10 m³
Breakout force, bucket	81.50 kN
Breakout force, arm	60.50 kN
Rated operating capacity at max height	3500 kg
Height to hinge pin	3520.0 mm
Dump height	2810.0 mm

Backhoe Performance

Bucket width	600.0 mm
Bucket capacity	0.20 m³
Bucket tearout	59.10 kN
Dipper tearout retracted	31.80 kN
Dipper tearout extended	22.40 kN
Digging depth retracted	4600.0 mm
Digging depth extended	5800.0 mm
Maximum reach from swing center (retracted/extended)	5700/6800 mm

Operating Weights

Base machine	7800 kg
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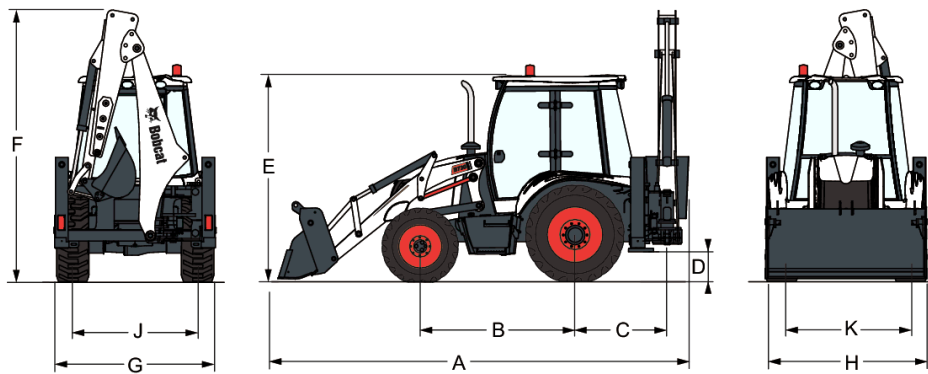
Tyres

Make	Michelin
4WD front	12.5-18
Rear	16.9-28

Fluid Capacities

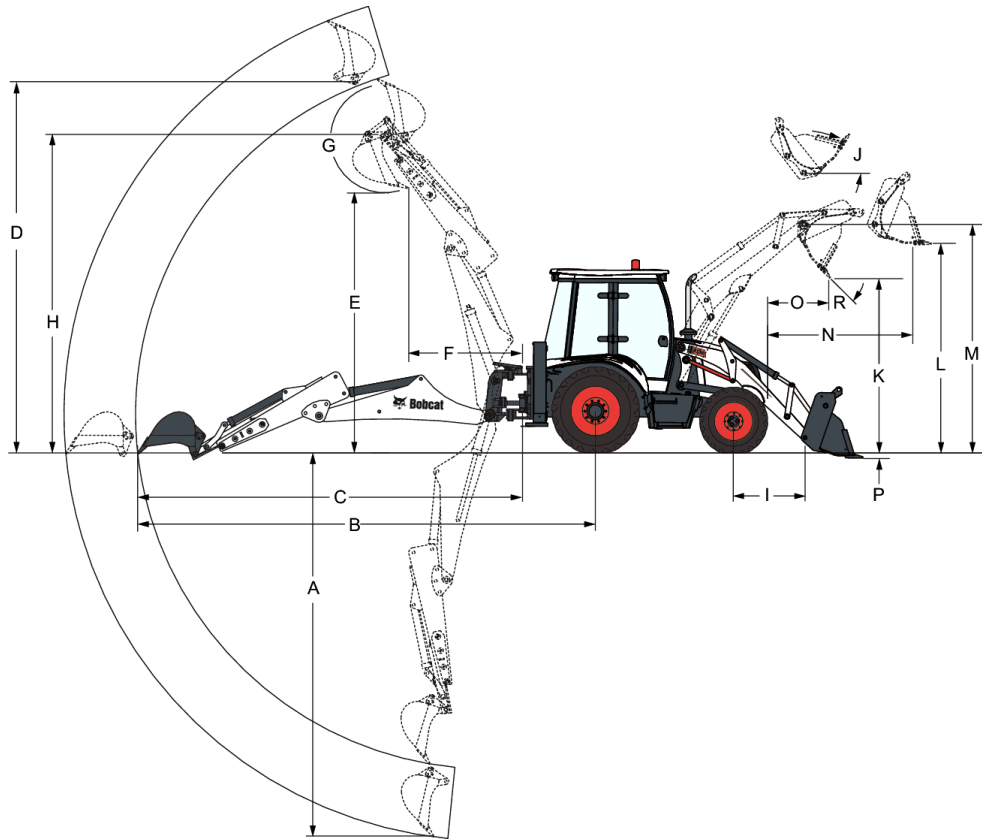
Engine oil	8.40 L
Cooling system	25.00 L
Fuel tank	140.00 L
Hydraulic tank	75.00 L
Hydraulic system	130.00 L
Front axle	8.00 L
Rear axle	16.00 L
Brake oil	0.40 L
Transmission oil	19.00 L

Dimensions



(A) Overall length in travel position	5950.0 mm
(B) Wheelbase	2180.0 mm
(C) Backhoe swing center distance	1300.0 mm
(D) Ground clearance	380.0 mm
(E) Height to cab	2900.0 mm
(F) Overall transport height	3900.0 mm
(G) Machine width	2280.0 mm
(H) Overall width (bucket)	2280.0 mm
(J) Rear wheel track	1770.0 mm
(K) Font wheel track	1895.0 mm

Working range



(A) Max. digging depth (retracted/extended)	4600/5800 mm
(B) Max. reach from rear axle center (retracted/extended)	7000/8100 mm
(C) Max. reach from swing center (retracted/extended)	5700/6800 mm
(D) Max. digging height (retracted/extended)	5600/6450 mm
(E) Max. dump height (retracted/extended)	3850/4700 mm
(F) Loading reach (retracted/extended)	1800/2650 mm
(G) Bucket rotation angle (retracted/extended)	200.4/200.4 °
(H) Max. bucket hinge pin height (retracted/extended)	4750/5550 mm
(I) Distance between hinge pin and front axle center	1220.0 mm
(J) Max. rollback angle, fully raised	59.2°
(K) Dump height	2810.0 mm
(L) Load over height	3280.0 mm
(M) Height to hinge pin	3520.0 mm
(N) Max. reach at full height	1070.0 mm
(O) Dumping reach	620.0 mm
(P) Digging depth	115.0 mm
(R) Dump angle	45.0°

Standard Features

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- ROPS/FOPS Enclosed cab
- Mechanical suspension seat with seat belt
- Arm rest
- Headrest
- Sunvisor
- Floormat
- Tilted steering column
- Steering wheel knob
- Tinted front windscreen and wiper
- Tinted rear windscreen and wiper
- 6 work lights (2 front, 4 rear)
- Side storage
- Exterior mirrors
- Radio/CD player
- Rotating beacon
- Horn
- Cigarette lighter
- Reverse alarm
- Heater
- Rear windscreen heater
- 600 mm backhoe bucket
- Air filter condition indicator lamp
- Front headlights
- Fully equipped dashboards
- General purpose loader bucket
- Loader arm safety strut
- Master switch
- Starting system thermal aid
- Visual and audible warning system for main functions

Options

Options

- Air conditioning
- ROPS/FOPS Canopy
- Ride Control

Optional Attachments

Attachments

- Backhoe
 - Hammer piping
 - Different sizes of backhoe buckets
 - Hydraulic hammer
 - Extendable boom
- Loader
 - 6 in 1 loader bucket
 - Pallet forks