

## Engine

Make / Model	Perkins / 1104D-44T
Compliance	EPA Tier 3 and EU Stage IIIA
Aspiration	Turbocharged
Number of cylinders	4.0
Displacement	4.40 L
Rated gross power (ISO 14396)	70.0 kW
Rated gross power (ISO 14396)	94.0 HP
Rated speed	2200.0 RPM
Maximum torque @1400 RPM	392.0 Nm
Bore	105.0 mm
Stroke	127.0 mm
Fuel	Diesel
Cooling	Coolant (Perkins ELC)

## Electrical System

Battery	12 V 130 Ah
Alternator	85 A
Starter	3.0 kW

## Transmission

Make / Model	Carraro
Type	Manual / Powershift
Max travel speed 1st forward/reverse	6.0 / 7.6 km/h
Max travel speed 2nd forward/reverse	9.6 / 12.2 km/h
Max travel speed 3rd forward/reverse	20.7 / 26.9 km/h
Max travel speed 4th forward/reverse	40.0 km/h / Automode, Max. 40.0 km/h

## Front Axle

Marca	Carraro
Type	4WD
2WD/4WD selection	By switch on dashboard
Design	Steered with oscillation
Limited slip	Without Limited Slip
Oscillation	20.0°

## Rear Axle

Make	Carraro
Design	Rigid
Differential lock	Standard

## Hydraulic System

System type	Open centre
Pump	Tandem gear pump
Flow	72.6 + 63.8 L/min
System pressure	220.00 bar
Controls, backhoe	Mechanical levers / Pilot
Controls, loader	Mechanical lever / Pilot

## Steering

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Type	2WS
Turning circle (unbraked), outside front tyres	7850.0 mm
Turning circle (unbraked), outside loader bucket	10704.0 mm

## Brakes

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

## Loader Performance

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Bucket width	2280.0 mm
Bucket capacity, GP	1.10 m <sup>3</sup>
Bucket capacity, 6 in 1	1.10 m <sup>3</sup>
Breakout force, bucket	60.00 kN
Breakout force, arm	56.74 kN
Rated operating capacity at max height	3232 kg
Height to hinge pin	3501.0 mm
Dump height	2728.0 mm

## Backhoe Performance

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Bucket width	600.0 mm
Bucket capacity	0.18 m <sup>3</sup>
Bucket tearout	60.00 kN
Dipper tearout retracted	29.47 kN
Dipper tearout extended	21.40 kN
Digging depth retracted	4633.0 mm
Digging depth extended	5623.0 mm
Maximum reach from swing center (retracted/extended)	5787/6735 mm

## Operating Weights

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Base machine	8300 kg
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## Tyres

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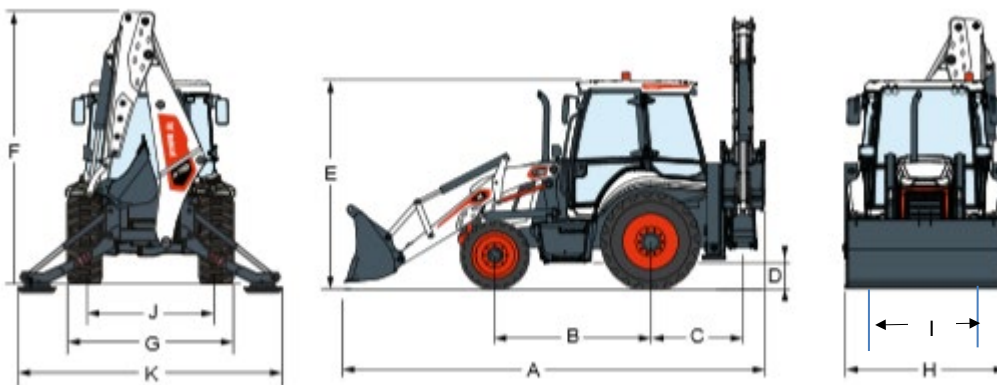
4WD front	12.5-18, 12PR
Rear	16.9-28, 12PR

## Fluid Capacities

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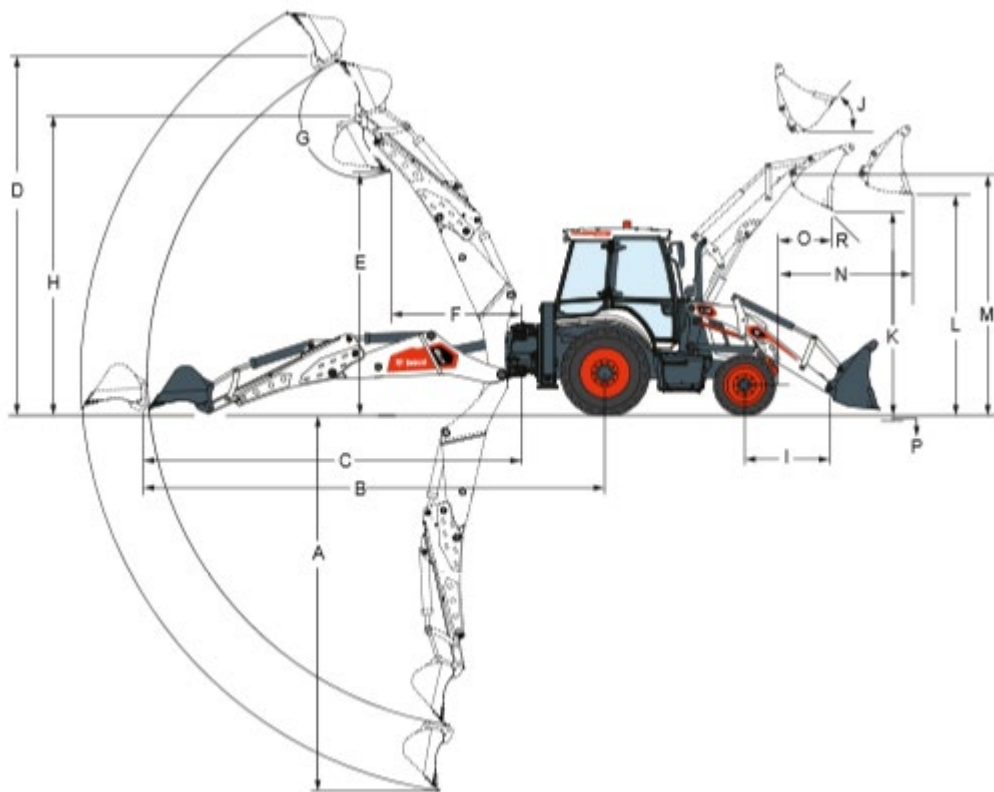
Engine oil	8.0 L
Cooling system	20.00 L
Fuel tank	160.00 L
Hydraulic tank	70.00 L
Hydraulic system	125.00 L
Front axle	9.1 L
Rear axle	17.5 L
Transmission oil	16.00 L

## Dimensions



(A) Overall length in travel position	6255.0 mm
(B) Wheelbase	2193.0 mm
(C) Backhoe swing center distance	1395.0 mm
(D) Ground clearance	420.0 mm
(E) Height to cab	2940.0 mm
(F) Overall transport height	3798.0 mm
(G) Machine width	2280.0 mm
(H) Overall width (bucket)	2280.0 mm
(I) Front wheel track	1719.0 mm
(J) Rear wheel track	1961.0 mm
(K) Stabilizers down width	3630.0mm
Stabilizers up width	2214 mm

## Working range



(A) Max. digging depth (retracted/extended)	4633/5623 mm
(B) Max. reach from rear axle center (retracted/extended)	7115/8063 mm
(C) Max. reach from swing center (retracted/extended)	5787/6735 mm
(D) Max. digging height (retracted/extended)	5855/6584 mm
(E) Max. dump height (retracted/extended)	4052/4783 mm
(F) Loading reach (retracted/extended)	1844/2527 mm
(G) Bucket rotation angle (retracted/extended)	202/202 °
(H) Max. bucket hinge pin height (retracted/extended)	4910/5641 mm
(I) Distance between hinge pin and front axle center	1133.0 mm
(J) Max. rollback angle, fully raised	64°
(K) Dump height	2728.0 mm
(L) Load over height	3200.0 mm
(M) Height to hinge pin	3501.0 mm
(N) Max. reach at full height	1171.0 mm
(O) Dumping reach	753.0 mm
(P) Digging Depth	127.0 mm
(R) Dump angle	44.0°

## Standard Features

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- ROPS/FOPS canopy
- 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
- 8 work lights (4 front, 4 rear)
- Side storage
- Exterior mirrors
- Radio/Pendrive player
- Rotating beacon
- Horn
- Cigarette lighter
- Reverse alarm
- Rear windscreen heater
- 600 mm backhoe bucket
- Air filter condition indicator lamp
- Front Headlights
- Fully equipped dashboards
- General purpose loader bucket
- Loader arm safety Brace
- Master switch
- Starting system thermal aid
- Visual and audible warning system for main functions
- Hydrailic assisted Brake

## Options

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- Air conditioning
- ROPS/FOPS Cabin enclosed
- Ride Control

## Optional Attachments

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