



**Bobcat®**

**BACKHOE LOADERS**

**B780**



***One Tough Animal®***

# B780 — SPECIFICATIONS

## 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
Fuel	Diesel
Cooling	Lukoil Antifreeze G11 Green

## Electrical System

Battery	12 V 140 Ah
Starter	3.2 kW

## Transmission

Make / Model	Carraro
Type	Auto Powershift
Max travel speed 1st forward/reverse	5.8/5.8 km/h
Max travel speed 2nd forward/reverse	9.6/9.6 km/h
Max travel speed 3rd forward/reverse	21.2/21.2 km/h
Max travel speed 4th forward/reverse	40.0/40.0 km/h

## Front Axle

Type	4WD
Oscillation	16.0°

## Rear Axle

Make	Carraro
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	Hydraulic joysticks
Controls, loader	Hydraulic joystick

## Steering

Type	2WS, 4WS, Crab steering
Turning circle (unbraked), outside front tyres	9485.0 mm
Turning circle (unbraked), outside loader bucket	11400.0 mm

## Brakes

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

## Operating Weights

Base machine	8700 kg
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## Tyres

4WD front	16.9-28
Rear	16.9-28

## Standard Features

ROPS/FOPS Enclosed cab	Cigarette lighter
Mechanical suspension seat with seat belt	Reverse alarm
Arm rest	Heater
Sunvisor	Rear windscreen heater
Floormat	600 mm backhoe bucket
Tilted steering column	Front headlights
Steering wheel knob	Fully equipped dashboards
Tinted front windscreen and wiper	General purpose loader bucket
Tinted rear windscreen and wiper	Loader arm safety strut
6 work lights (2 front, 4 rear)	Master switch
Side storage	Visual and audible warning system for main functions
Exterior mirrors	Return to dig
AM/FM MP3 stereo radio	Mudguards
Rotating beacon	4WD Shaftguard
Horn	



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## Dimensions



(A)	6375.0 mm	(F)	3880.0 mm
(B)	2223.0 mm	(G)	2400.0 mm
(C)	1355.0 mm	(H)	2400.0 mm
(D)	385.0 mm	(J)	1950.0 mm
(E)	2930.0 mm	(K)	1950.0 mm

## Working range



(Retracted/Extended)			
(A)	4600/5800 mm	(J)	59.2°
(B)	7000/8100 mm	(K)	2865.0 mm
(C)	5700/6800 mm	(L)	3450.0 mm
(D)	5600/6450 mm	(M)	3590.0 mm
(E)	3850/4700 mm	(N)	1620.0 mm
(F)	1800/2650 mm	(O)	595.0 mm
(G)	200.4/200.4 °	(P)	117.0 mm
(H)	4750/5550 mm	(R)	45.0°
(I)	1550.0 mm		

## Loader Performance

Bucket capacity, GP	1.10 m <sup>3</sup>
Breakout force, bucket	81.60 kN
Breakout force, arm	56.10 kN
Rated operating capacity at max height	3178 kg

## Backhoe Performance

Bucket capacity	0.20 m <sup>3</sup>
Bucket tearout	59.10 kN
Dipper tearout retracted	31.80 kN

## Options

Air conditioning	Ride Control
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## Optional Attachments

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



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