



Bobcat®

BACKHOE LOADERS

B900



One Tough Animal™

B900 SPECIFICATIONS

ENGINE

Make	Ashok Leyland
Model	H4C47422
Emission compliance	CEV Stage - IV
Aspiration	Turbo Charged
Gross Power	74 Hp @ 2200 Rpm
Maximum Torque	336Nm @ 1400 +/-100 Rpm
No of cylinders	4
Displacement	3839 cc
Engine Cooling	Water Cooled

ELECTRICAL SYSTEM

Battery	12 volts / 130 Ah
Alternator	Output 90A

TRANSMISSION

Make / Type	Carraro /Synchro Shuttle.
Maximum Travel Speed	40 Kmph

SPEED DIFFERENT GEAR POSITIONS

Forward	Reverse
1st 5.7 kmph	1st 5.7 kmph
2nd 9.1 kmph	2nd 9.1 kmph
3rd 20.5 kmph	Not recommended
4th 40.0 kmph	Not recommended

AXLES

Front Axle	Steer axle, centrally Pivoted, with oscillation angle 16°
Rear Axle	Rigidly mounted rear axle with outbound planetary drives.

HYDRAULIC SYSTEM

Type	Open Center Hydraulics
Pump Type	Variable Displacement Axial Piston Pump
Maximum Pump Capacity	54cc. (119 Lpm @ 2200 Rpm)
System Pressure	220 Bar

STEERING

Type	Front Wheel Steering (With dedicated steering pump)
Steering Pump Type / Capacity	Gear Pump / 16cc (33 Lpm) @ 2200 Rpm

TURNING CIRCLE

Outside Front Wheels (mm) (without brake)	8500
Outside Widest Loader Bucket (mm) (without brake)	11700
Outside Front Wheels (mm) (with brake)	6300
Outside Widest Loader Bucket (mm)(with brake)	9200

BRAKES

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

STANDARD WEIGHTS

Operating Weight (kg)	7990
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TYRES

Standard tyre type	Industrial
Size - Front	9 x 16
Size - Rear	16.9 x 28
Optional Tyre Type	Heavy Duty
Optional Tyre Size (Rear)	14 x 25

BACKHOE PERFORMANCE

Standard Backhoe Bucket Capacity	0.27 m ³
Bucket Tear out Force (Kgf)	6121
Dipper Tear out Force (Kgf)	3072
Lift capacity of bucket pivot at full reach (no bucket fitted) (kg)	1685
Bucket Rotation Angle	202°

LOADER PERFORMANCE

Standard (GP) Loader Bucket Capacity	1.1 m ³
Lift Capacity at Maximum Height (ISO 14397-2), Kg	4152
Pay Load (kg)	2000
Shovel Breakout Force, Kgf	6115
Loader Arm Breakout Force, Kgf	6222
Maximum Hinge Pin Height (mm)	3514
Bucket Roll Back Angle at Maximum Hinge Pin Height (mm)	64°
Maximum Bucket Rollback at Ground Level	45°

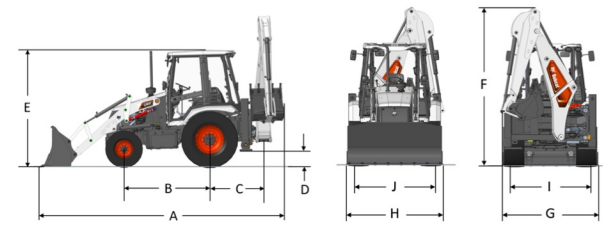
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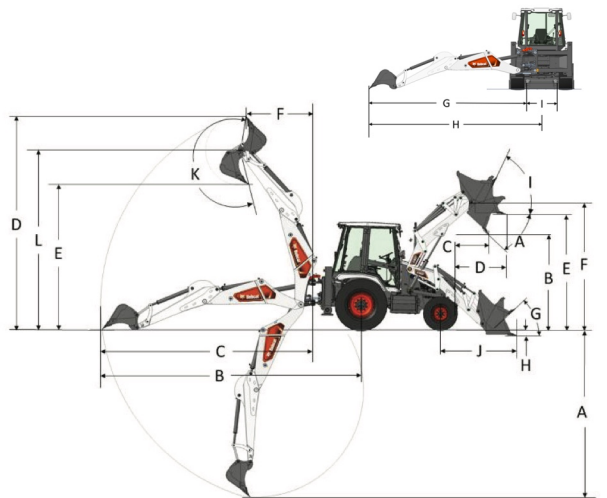
MACHINE DIMENSIONS



OVERALL MACHINE DIMENSIONS

[A]	6144	[F]	3760
[B]	2170	[G]	2286
[C]	1328	[H]	2350
[D]	382	[I]	1725
[E]	2983	[J]	1965

BACKHOE AND LOADER SPECIFICATIONS



BACKHOE DIMENSIONS

[A]	4966
[B]	7135
[C]	5807
[D]	6288
[E]	4418
[F]	1812
[G]	5773
[H]	6313

LOADER DIMENSIONS

[A]	43°
[B]	2737
[C]	853
[D]	1329
[E]	3211
[F]	3514
[G]	45°
[H]	145
[I]	64°
[J]	1619

STANDARD FEATURES

Enclosed Cabin	Radio / MP3 Player
Cabin Fan	Horn
Reverse Alarm	Rear View Mirrors
Steering Wheel Knob	Road Kit
Industrial Tyres	Bobcat i-Connect Telematics

OPTIONAL FEATURES

Heavy Duty Tyres
Hydraulic Breaker Piping

OPTIONAL ATTACHMENTS


Hydraulic Breaker
6 in 1 Multi-Purpose Loader Bucket
Different Sizes of backhoe buckets




Bobcat®

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B900 Backhoe Loader



Bobcat's B900 Backhoe Loader demonstrates superior performance with Best-in-class Digging Depth, Higher Breakout Forces, Increased Component Durability, Comfortable Operator Cabin, Advanced Hydraulic System and Excellent Total Cost of Ownership advantages. Bobcat B900 offers 3~5% higher maximum digging depth compared to other backhoe loaders in its class. That makes B900 best performer in its class. With optimized design of Bobcat B900, economy mode operations can be achieved with 1200 Rpm and Power Model can be achieved with 1400 Rpm. Higher performance even at low engine rpm helps in great fuel savings.

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B900 Features

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▲ Telematics ¹

▲ Bobcat i-Connect

B900 now comes with Bobcat i-Connect Telematics solution as standard which allows you to monitor your machine from anywhere. Track your machine's work location and even create a Geo Fence to restrict machine movement. You will also receive instant alerts on machine Fuel Level, Increase in Temperature and water contamination in fuel. Trip details of the machine like HMR and daily movement can also be seen.

▲ Digging Depth ¹

▲ Best in Class Digging Depth

Bobcat B900 offers 3~5% higher maximum digging depth compared to other backhoe loaders in its class. That makes B900 best performer in its class.

▲ Optimized Design ⁵

▲ Fuel Efficiency

B900 is powered by 74 HP Ashok Leyland Engine which is reliable and renowned. It is powerful in performance and low in fuel consumption

▲ Durability

B900 is equipped with Industry's best and proven components for increased durability, higher performance and reduced maintenance.

Major structural components are reinforced to enhance life and manufactured inhouse in Bobcat Manufacturing Facility at Chennai Hydraulic Hose Distribution Box is provided in Backhoe hydraulic circuit of B900 for increased life of hydraulic hoses, less leakages and reduces down time.

▲ Eco and Power Mode Engine RPM

With optimized design of Bobcat B900, economy mode operations can be achieved with 1200 Rpm and Power Model can be achieved with 1400 Rpm. Higher performance even at low engine rpm helps in great fuel savings.

▲ Reinforced Structures

Major structural components are reinforced to enhance life and manufactured inhouse in Bobcat Manufacturing Facility at Chennai

▲ Hydraulic Hose Distribution Box

Hydraulic Hose Distribution Box is provided in Backhoe hydraulic circuit of B900 for increased life of hydraulic hoses, less leakages and reduces down time.

Performance ⁶

Breakout Forces & Higher Performance

B900 offers 7-10% higher breakout forces. Higher breakout force helps in increased capability for working in hard ground excavation, higher dozing and loading performance.

Best in class torque

Heavy Duty Carraro Transmission and Rear Axle for higher torque and best performance with higher drawbar pull.

16 Degree Oscillation Angle

Front axle is provided with balanced cylinders for better steering performance and 16 degree Oscillation for better performance at uneven terrains.

High Ground Clearance

Higher Ground Clearance for better performance even at rough & undulated surface. Higher ground clearance also helps in protecting power train components from damages.

Short Turning Radius

Best in class front wheel turning radius for higher maneuverability and best performance to work in confined areas.

Efficient Cooling Package

Large cooling package and more efficient cooling fan helps in working long hours without overheating issues and also ensures longer life of components.

Comfort ³

Comfortable Operator Cabin

Operator cabin is one of major consideration in B900 design. Operator cabin is spacious and has excellent visibility.

Ergonomic Controls

Control Levers and Switches are ergonomically designed and placed for convenient operation. Side Control Panel cluster has large sized displays and easy to read indicators.

Enhanced Convenience

Enhanced convenience features like Standard Radio Cum MP3 Player is provided. Multi direction fan provides better air flow. LED Dome lights are also provided for better lighting inside the cabin.

Advanced Hydraulics ²

Advanced Hydraulics

Extensive savings come with B900's load sensing Variable Displacement Hydraulic pump from Parker. It delivers 119 Liters per minute flow @ 2200 Rpm. Advantage of a Variable Displacement Pump is that it varies its flow based on load requirement. Flow increases when Load increases during activities such as Excavation or Dozing and decreases when Load decreases during idling or marching. As a result productivity goes up but not the fuel consumption.

Dedicated Steering Pump

Addition to load sensing system with variable displacement pump, B900 CEV Stage IV Backhoe Loader also equipped with a dedicated steering pump. This hugely reduces the engine power required to operate steering system.

So, when you drive machine, the main hydraulic pump is free from power consumption from engine & saves fuel consumption.

Total Cost of Ownership ²

Durability

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Low cost of maintenance

Lower fuel consumption and increased service interval for periodic maintenance results in low cost of ownership.

B900 Specifications

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