



Bobcat®

BACKHOE LOADERS

B900



One Tough Animal™

BOBCAT B900 ADVANTAGES

7990 Kg
Operating Weight

74 HP,
Turbocharged
Engine

16cc Dedicated
Steering Pump

2 Wheel Drive
Synchro shuttle
Transmission

119 Lpm Hydraulic flow
with Variable
Displacement Pump

Side Shift
Stabilizers

1.1 m³
Loader Bucket
Capacity

0.27 m³
Backhoe Bucket
Capacity



Best in Class Digging Depth



Optimized Design for Fuel Efficiency & Component Durability



Best in Class Breakout Forces and Higher Performance



Comfortable Operator Cabin



Advanced Hydraulics System



Total Cost of Ownership Advantages



Advanced Hydraulics System

- Equipped with Parker Axial Piston Pump
- Advanced Load Sensing Hydraulic System
- Low fuel consumption and higher performance



Comfortable Operator Cabin

- Spacious operator cabin with Ergonomic controls
- Operator convenient features



Best in Class Breakout Forces and Higher Performance

- B900 offers 7 ~ 10 % higher breakout forces
- Heavy duty Carraro Transmission and Rear Axle
- Front axle - 16° Oscillation
- Higher Ground clearance
- Best in class front wheel turning radius
- Large cooling package and more efficient cooling fan



Total Cost of Ownership Advantages

- Highly durable Engine, Hydraulics and Power Train components
- Lower fuel consumption
- Increased service intervals



Optimized Design for Fuel Efficiency

- B900 is powered by Fuel Efficient and durable Ashok Leyland Engine
- Better Performance even at low engine speed



Best in Class Digging Depth

- 3 ~ 5 % higher maximum digging depth

BOBCAT B900 ADVANTAGES



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.



Best in Class Breakout Forces and Higher Performance.

Breakout Forces



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



Comfortable Operator Cabin



Operator Comfort is one of major consideration in B900 design. Spacious operator cabin with Ergonomic controls and operator convenient features makes B900 a preferred choice for comfortable operation.



Optimized Design for Fuel Efficiency & Component Durability

Fuel Efficiency



B900 is powered by Popular and Fuel-Efficient Ashok Leyland Engine. Helps in better fuel consumption and productivity.



**ECONOMY
1200 RPM**

**POWER
1400 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.

Durability



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



Major Structural Items are reinforced to enhance life and manufactured inhouse with Bobcat Manufacturing Facility in Chennai.



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

Higher Performance



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



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



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



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



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



Advanced Hydraulics System



B900 Hydraulics system is equipped with Parker Axial Piston Pump & Dedicated pump for steering. The advanced load sensing feature helps in optimizing engine power requirements and increasing fuel efficiency



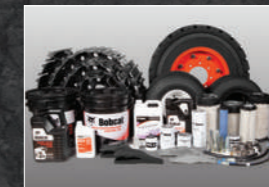
Equipped with Electronic Control for efficient hydraulic system and increasing productivity.



Total Cost of Ownership Advantages



Highly durable Engine, hydraulics and Power Train components gives longer life.



Lower fuel consumption and Increased service intervals for periodic maintenance results in low cost of ownership.

BOBCAT BACKHOE ADVANTAGES



Bobcat® B900 offers best in class digging depth & more horizontal and vertical reach.

More side shift travel of swing carrier helps in more side reach and increased trenching performance at confined areas.

Higher Breakout Forces



While offering the best in class digging depth and reach, Bobcat B900 also offers superior performance with 7 to 8% higher breakout force, enabling machine to dig in to loads without being stressed.

Cushion Cylinders for Boom & Swing



The powerful cushioning system, integrated into the Boom and Swing cylinders, softens movement at the ends of the stroke to absorb shock and increase cylinder life as well as avoids impacts to the structure.

Higher Bucket Curl Angle



Higher bucket curl angle helps in more efficient material handling.

0.27 m³ Backhoe Bucket



The standard bucket of B900 offers higher bucket capacity of 0.27 m³ cubic meter.

With unique bucket profile, B900 Offers more perfect trench finish.

BOBCAT LOADER ADVANTAGES



Optimal parallelogram lifting for excellent loading performances



Bobcat® B900 designed with parallelogram loader linkage for more stability and higher visibility for maximum loader performance.

Higher Lifting & Dumping height



B900 Provides higher lift height and Best in class dumping height for more efficient loader performance.

Higher Breakout Forces



B900 offers 10 – 13% more tear out forces. Together with higher dumping height & great breakout forces, Bobcat B900 offers highest performance for powerful and efficient loader operation.

Reinforced Structures for long durability



B900 offers reinforced structures which is highly durable and capable enough to work for various jobsite requirements. All the main structure items are manufactured inhouse with Bobcat Company's Manufacturing facility.

1.1 Cubic Meter Loader Bucket



1.1 Cubic Meters capacity with best in class 45° roll back angle of loader bucket helps in more efficient material handling and loading performance.

OPERATOR COMFORT



Higher Visibility



Stylish and dynamic design cabin provides all round visibility for the operator from working position.



Large Side view mirrors and additional rear view mirror improves rear visibility for more convenient and safe operation.

Spacious Cabin

Large roomy cab space for comfortable operation.



Adjustable Suspension seat Provided as standard feature for enhanced operator comfort.



Large Storage Box and various storage compartments in the front and side panels provided for ideal storage and more keeping areas.

Ergonomic Controls



Control Levers and Switches are ergonomically designed for convenient operation.



Electronic Control FNR lever for more convenient operation.



Easy to reach Lights cum Wiper Control Lever provided with two wiper speed option.



Large foot area for accelerator and break pedals for ease of access and comfortable operation.

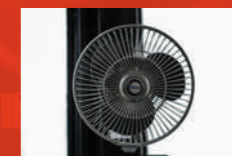


Steering knob Provided for ease of steering control.

Enhanced Operator Convenience Features



Standard Radio Cum MP3 Player Provided.



Multi direction fan provided with easy to access control switch.



LED Dome Light Provided for better lighting inside cabin.



Equipped with a full digital display control panel for better monitoring of key machine parameters.

ALWAYS BE IN TOUCH










i-CONNECT^W WIRELESS COMMUNICATIONS



No matter where you are, you can always stay in touch with your Bobcat machine. Bobcat i-Connect wireless communications connect you to your Bobcat backhoe loader machine's information at any time, anywhere, from any smart device. Using Bobcat i-Connect you can track live location, get alerts on your machines' health, and remotely track information that enhances maintenance, security and performance.

i-CONNECT FEATURES



-  **Battery Health**
-  **Speed Alerts**
-  **Geo Fencing**
-  **Tow Alert**
-  **Service Reminders**
-  **Trip Records**
-  **Live Fuel Level**
-  **Live Location Tracking**
-  **Live HMR and RPM**



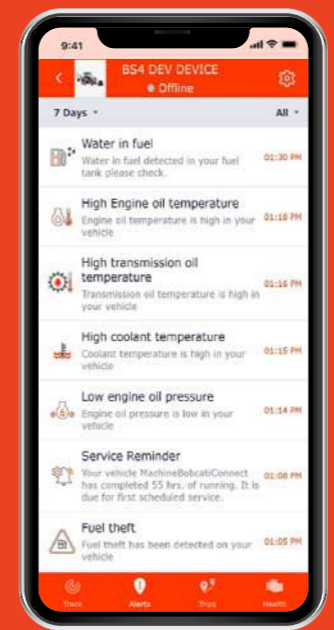
TRACK

- Locate Machine
- Live Tracking
- Share Machine Location
- Geo Fence Set up
- Last Seen Location Info
- Machine Speed Live data



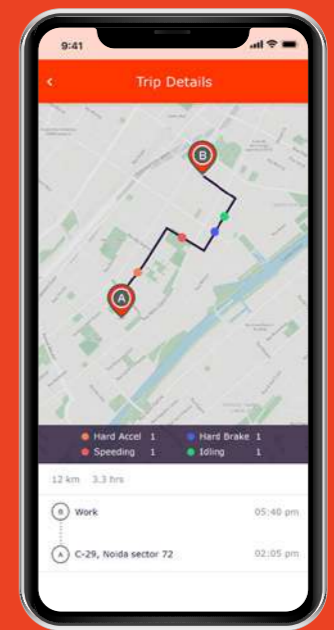
ALERT

- Machine Start / Off Alert
- Fuel Level Alerts
- Temperature Alerts
- Speed Alerts
- Battery Disconnect Alert
- Machine Tow Alert
- Geo Fence Alerts



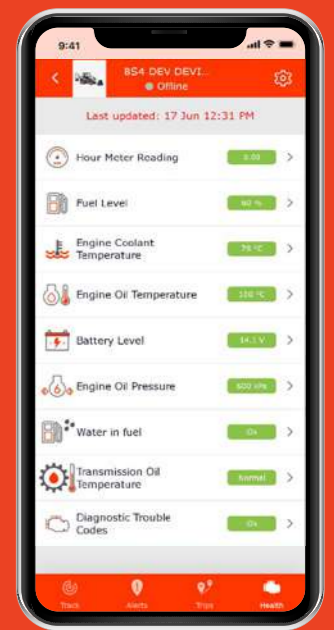
TRIP

- Machine Activity Maps
- Total Hour Meter Reading Records
- Machine Working Hours Records
- Machine Travelling Hours Records
- Detailed Trip Records
- Trip Detail (Route Map)
- Machine Movement History up to 6 months



HEALTH

- Scheduled Maintenance Status
- Engine RPM
- Diagnostic Trouble Codes
- Hour Meter Reading
- Fuel Level Live Data
- Temperature Alerts
- Engine Oil Pressure Alert
- Battery Voltage Level
- Status of Water in Fuel Condition



SERVICEABILITY ADVANTAGES

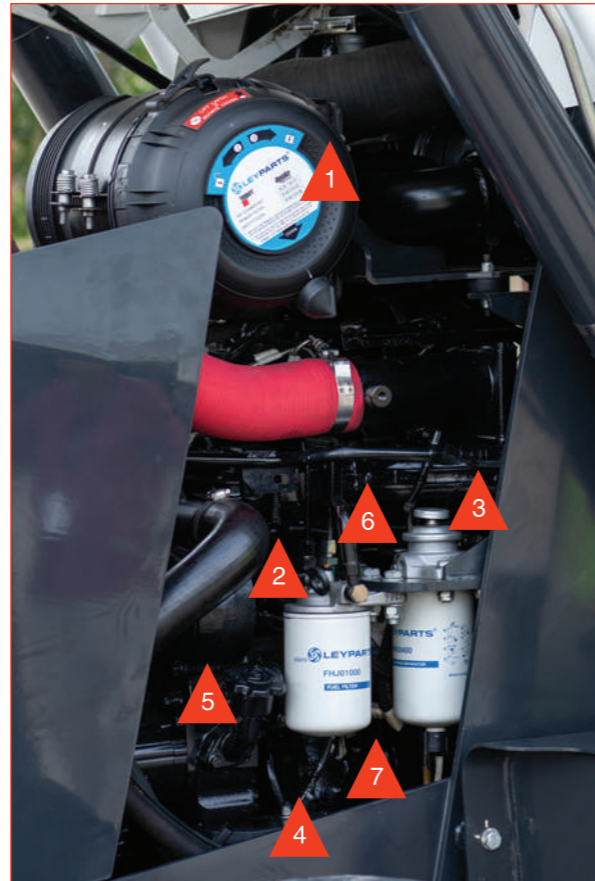
B900 IN ACTION

Engine hood - Easy opening from operator cabin.



Easy access for maintenance and daily checks.

Access multiple maintenance points from one location. Saves maintenance time.



- 1 Air Filter
- 2 Fuel Water Separator
- 3 Fuel Filter
- 4 Engine Oil Filter
- 5 Engine oil filling
- 6 Engine oil level check
- 7 Transmission Oil Level Check



ATTACHMENT

1.1 m³
(Width 2280 mm)

6-in-1 Bucket



0.30 m³ (Width 925 mm)

Backhoe Bucket



0.09 m³
(Width 360 mm)

Trenching Buckets



0.07 m³
(Width 260 mm)



Hydraulic Breaker

TECHNICAL 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

HYDRAULIC SYSTEM	
Type	Open Center Hydraulics
Total Hydraulic System Capacity	140 Liters
Pump Type	Axial Piston Pump
Maximum Pump Capacity	54cc. (119 Lpm @ 2200 Rpm)
System Pressure	220 Bar
Control Valve (Backhoe and Loader)	Section Valves (Sandwich Type) Individually Replaceable

SERVICE REFILL CAPACITIES	
	Capacity in Liters
Engine Oil	12.5
Hydraulic Tank	70
Transmission Oil	16
Rear Axle Oil	14.5
Planetary	2.6 (1.3 + 1.3)
Fuel Tank Maximum Capacity	160

TRANSMISSION	
TYPE: 4 Speed (4 Forward and 4 Reverse). 2 Wheel Drive with Synchro Shuttle Transmission. Electrically operated reversing 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

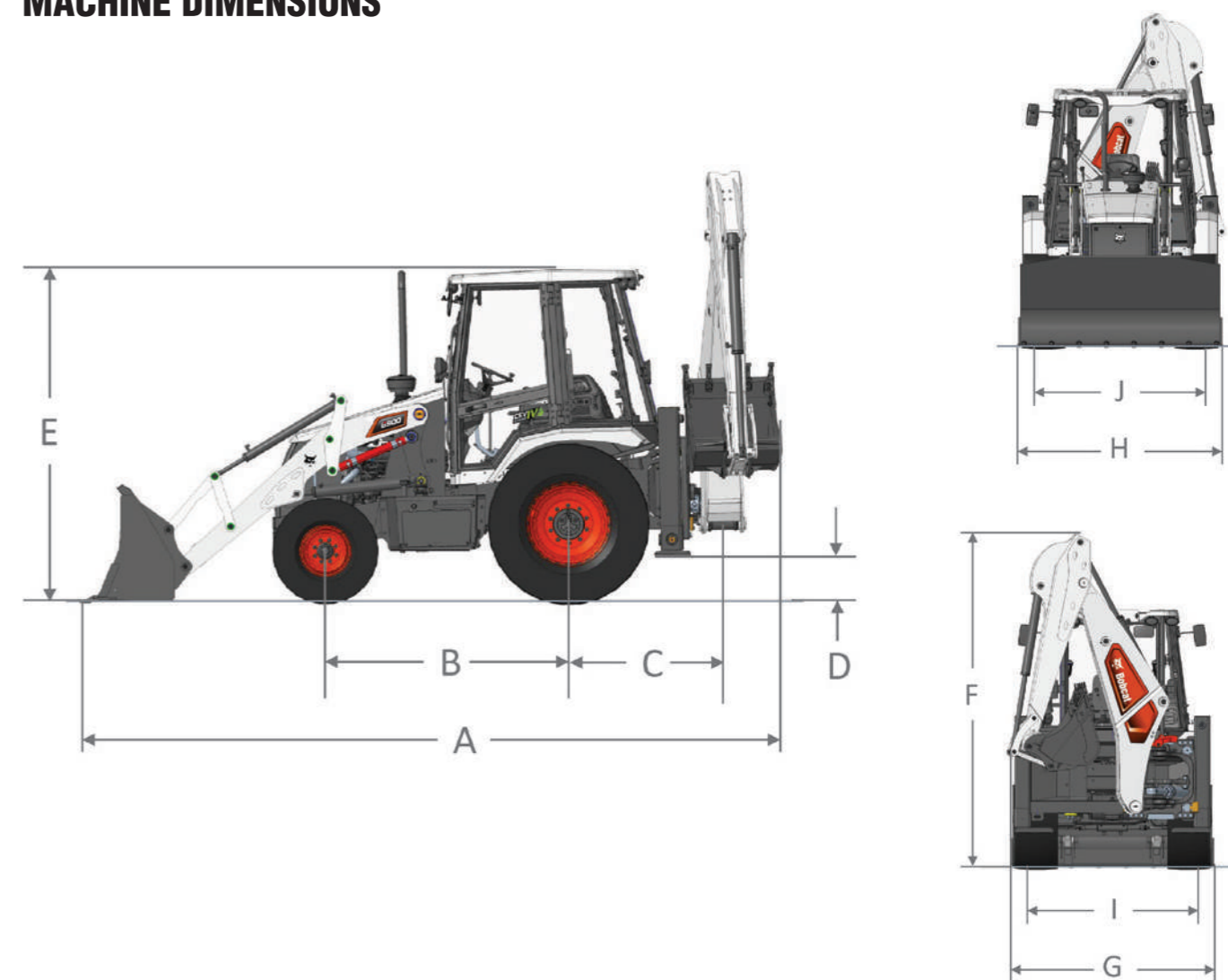
AXLES	
Front Axle	Steer axle, centrally Pivoted, with oscillation angle 16°
Rear Axle	Rigidly mounted rear axle with outbound planetary drives.

STANDARD WEIGHTS	
Operating Weight (kg)	7990

STEERING SYSTEM	
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

MACHINE DIMENSIONS



OVERALL MACHINE DIMENSIONS	
[A] Overall machine Length in Travel Position (mm)	6144
[B] Wheelbase (mm)	2170
[C] Backhoe Swing Centre Distance (mm)	1328
[D] Minimum Ground Clearance (mm)	382
[E] Cab Height (mm)	2983
[F] Machine Height in Travel Position (mm)	3760
[G] Machine Width (mm)	2286
[H] Overall Width with Bucket (mm)	2350
[I] Rear Wheel Track Width (mm)	1725
[J] Front Wheel Track Width (mm)	1965

ELECTRICAL SYSTEM	
Battery	12 volts / 130 Ah
Alternator	Output 90A

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

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

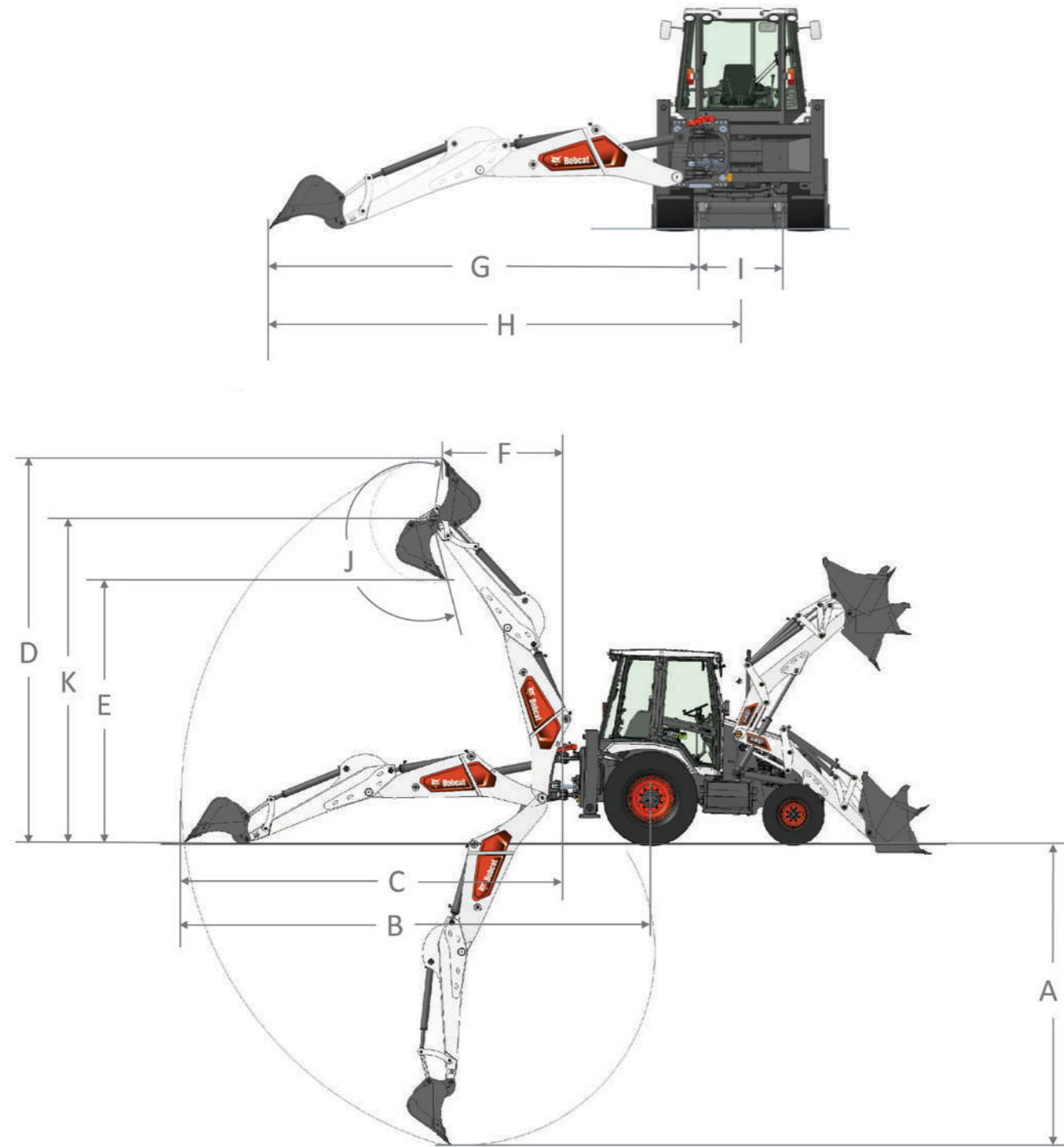
STANDARD FEATURES	
Enclosed Cabin	Rear View Mirrors
Radio / MP3 Player	Steering Wheel Knob
Cabin Fan	Road Kit
Horn	Industrial Tyres
Reverse Alarm	Bobcat i-Connect Telematics

OPTIONAL FEATURES	
Heavy Duty Tyres	
Hydraulic Breaker Piping	

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

BACKHOE SPECIFICATIONS

Backhoe Dimensions and Performance



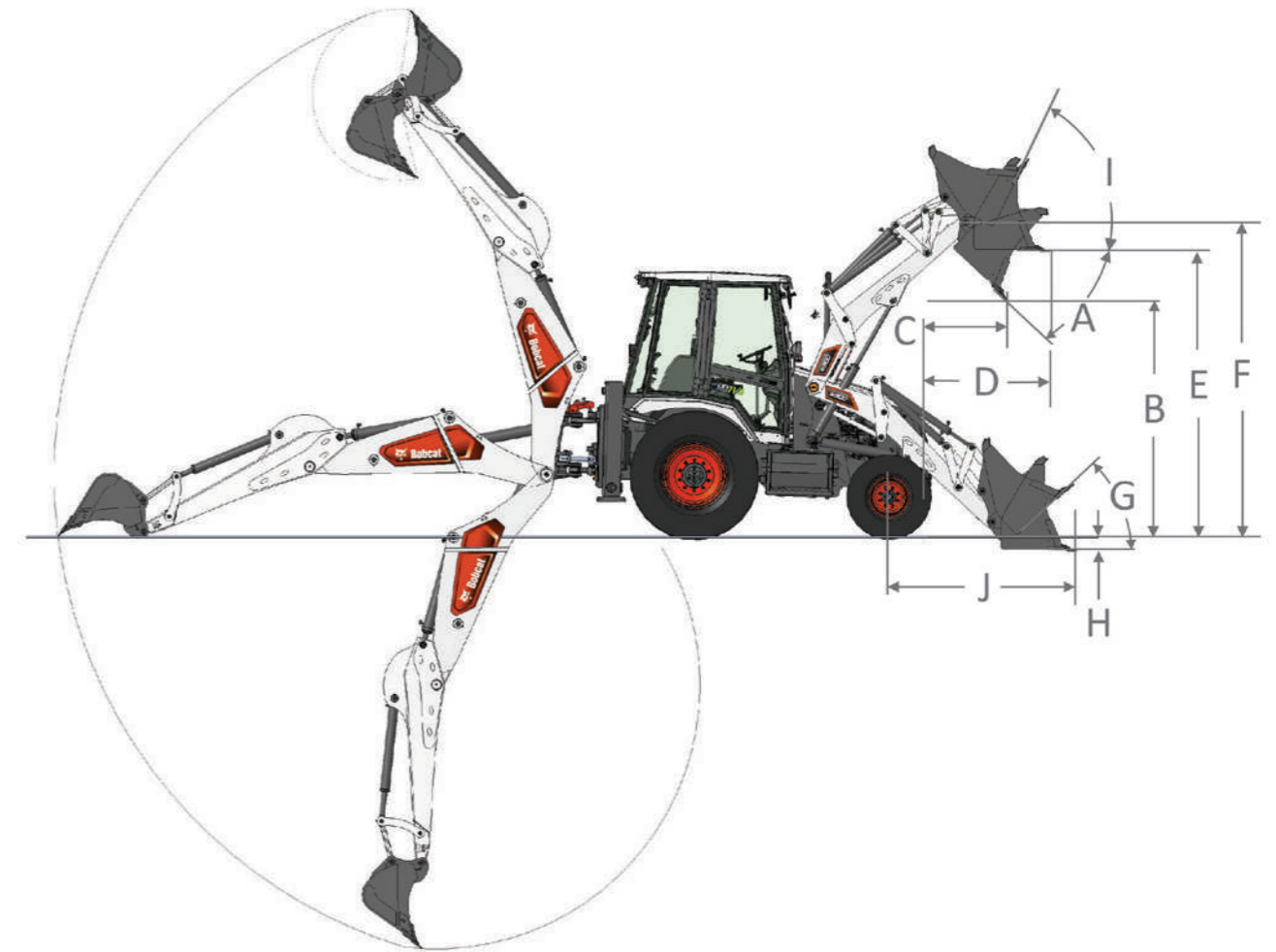
BACKHOE DIMENSIONS	
[A] Maximum Digging Depth – Bobcat (mm)	4966
[B] Max Reach from Rear Axle Centre (mm)	7135
[C] Max Reach from Swing Centre (mm)	5807
[D] Maximum Digging Height (Stabilizer fully extended position) (mm)	6288
[E] Maximum Dumping Height (Stabilizer fully extended position) (mm)	4418
[F] Reach at full height to slew center (mm)	1812
[G] Reach-ground level to slew center (mm)	5773
[H] Side reach to center line of machine (mm)	6313

BACKHOE DIMENSIONS	
[I] Side Shift Carriage Travel Distance (mm)	1080
[J] Bucket Rotation Angle	202°
[K] Maximum Height from hinge pin (Stabilizer fully extended position) (mm)	5360

BACKHOE PERFORMANCE	
Standard Backhoe Bucket Capacity/ Width	0.27m ³ / 821 mm
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

LOADER SPECIFICATIONS

Loader Performance & Dimensions



LOADER DIMENSIONS	
[A] Dump Angle at Full Height	43°
[B] Dump Height at Maximum Angle (mm)	2737
[C] Dump Reach at Maximum Angle (mm)	853
[D] Maximum Reach at full height (mm)	1329
[E] Maximum Load over height (mm)	3211
[F] Hinge Pin Height (mm)	3514
[G] Maximum Bucket Rollback at Ground Level	45°
[H] Maximum Digging Depth (mm)	145
[I] Bucket Roll Back Angle at Maximum Hinge Pin Height (mm)	64°
[J] Reach at ground(mm)	1619

LOADER PERFORMANCE	
Standard (GP) Loader Bucket Capacity/ Width	1.1m ³ / 2350 mm
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

*Disclaimer: All Dimensions, weights and other specifications are subject to +/- 5% variation.

B900
BACKHOE LOADER

CEV IV
STAGE

BIGGER THAN THE CHALLENGE



CUSTOMER SUPPORT

We are committed towards building and growing long-lasting relationships through our products and support services. With consistent support provided throughout the lifecycle of every product, we strive to achieve maximum equipment utilization.



PRODUCT SUPPORT

Adequately resourced with qualified and experienced manpower, our channel network can offer quick resolution to all technical challenges. These technical specialists undergo regular training to help improve product & service quality.



PARTS SUPPORT

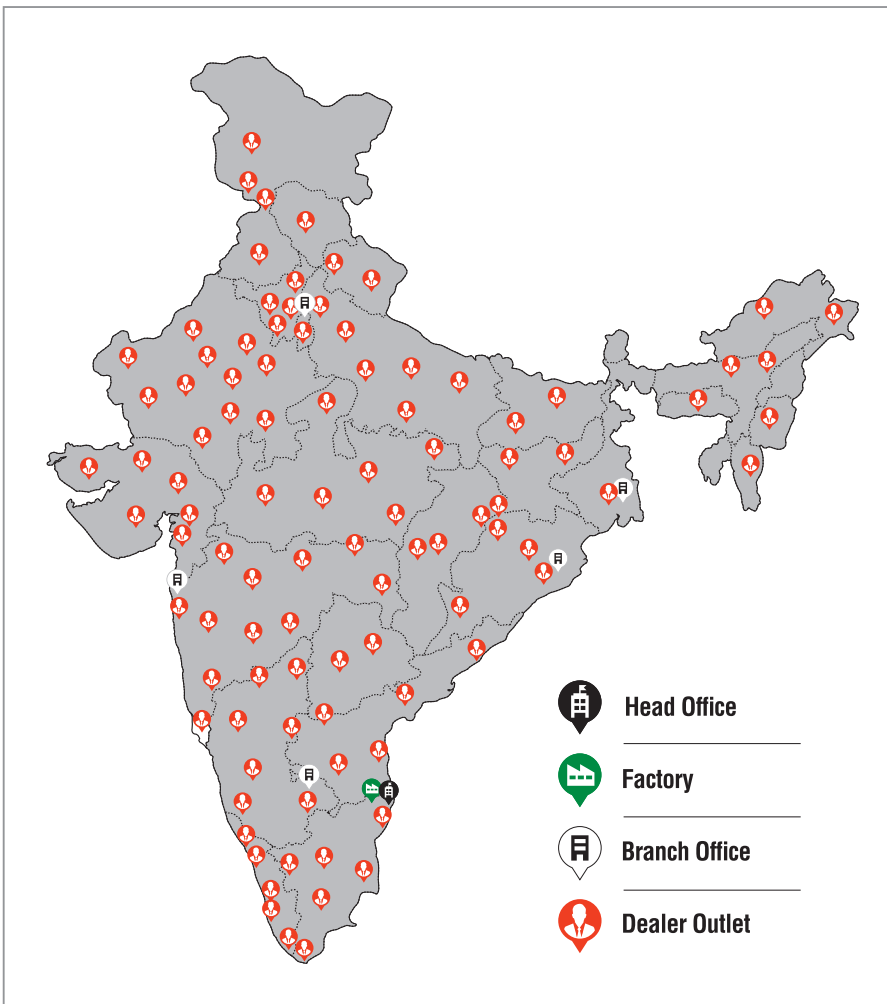
Bobcat parts inventory is well planned and stocked to ensure availability and ease in ordering and delivery.



REPAIR & MAINTENANCE

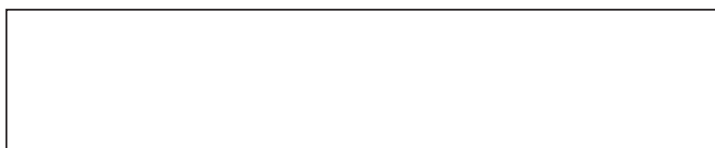
Our repair options and maintenance packages are designed to ensure that machines are always up and running. This helps you to focus on the job at hand.

DOOSAN BOBCAT NETWORK



Toll Free No.  1800 1032 869

Scan to visit
our website





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This is a representative image of the product. The final image of the product may vary. Pictures of Bobcat products may show other than standard equipment.

*Disclaimer: All Dimensions, weights and other specifications are subject to +/- 5% variation. Doosan Bobcat reserves the right to change the values given in this catalogue and designs indicated without prior notification.