

## CAPACITIES

Wheelbase	2185 mm
Wheelbase 2 wheels drive	2185 mm
Wheelbase 4 wheels drive	2140 mm

## WEIGHT AND DIMENSIONS

Unladen weight with 2 WD	7860 kg
Unladen weight with 2 WD 7 in 1	8150 kg
Unladen weight with 4 WD	7955 kg
Unladen weight with 4 WD 7 in 1	8245 kg
Overall length	7290 mm
Overall width	2330 mm
Cabin height	2900 mm
Overall height	2900 mm
External turning radius over tyres (braked)	3.30 m / 3.85 m
External turning radius over tyres (braked) 4WD	
External turning radius over tyres (unbraked)	4.30 m / 4.20 m
External turning radius over tyres (unbraked) 4WD	
External turning radius over bucket (braked)	5.55 m / 5.55 m
External turning radius over bucket (braked) 4WD	
External turning radius over bucket (unbraked)	5.70 m
Standard tires front / rear	9 x 16 - 16 PR / 16.9 x 28-12PR
Optional tyre	9 x 16 - 16 PR / 12.5 x 18 - 12 PR /
(front / rear)	14.0 x 25 - 20 PR/ 16.9 x 28 - 12 PR
Reach at travelling	2030 mm
Rear axle center to slew center	1308 mm
Ground clearance	315 mm

## PERFORMANCES

Travel speed forward 1st / 2nd	5.40 km/h / 8.60 km/h
Travel speed forward 3rd / 4th	19.90 km/h / 40 km/h

## ENGINE

Engine brand	M&M
Engine model / norm	MCVNC35TI074CE5A
Displacement	3.50 l
Gross Power / Power	55 kW @ 2200 rpm
Max. torque	400 Nm
Battery voltage / capacity	12 V / 165 Ah

## TRANSMISSION

Transmission brand	Carraro
Number of gears (forward / reverse)	4 / 4
Torque converter stall ratio	2.64:1
Service brake	Wet disc brakes

## HYDRAULICS

Hydraulic flow	119 l/min
Main relief pressure	225 bar
Hydraulic pump type	Fixed displacement piston

## TANK CAPACITIES

Hydraulic oil	75 l
Liquid cooling tank volume	16 l
Fuel tank	130 l
Transmission oil	17.50 l
Engine oil	13.50 l
Oil rear axle	17.10 l
Oil rear axle 4WD	17.50 l

## BUCKET

Backhoe standard capacity	0.27 m³
Width backhoe bucket	889 mm
Loader standard capacity	1 m³
Width loader bucket	2235 mm

## MISCELLANEOUS

Power steering	Yes
Front steer axle of oscillation 2WD	20 °
Front steer axle of oscillation 4WD	16 °
Steering wheels (front / rear)	2 / 2

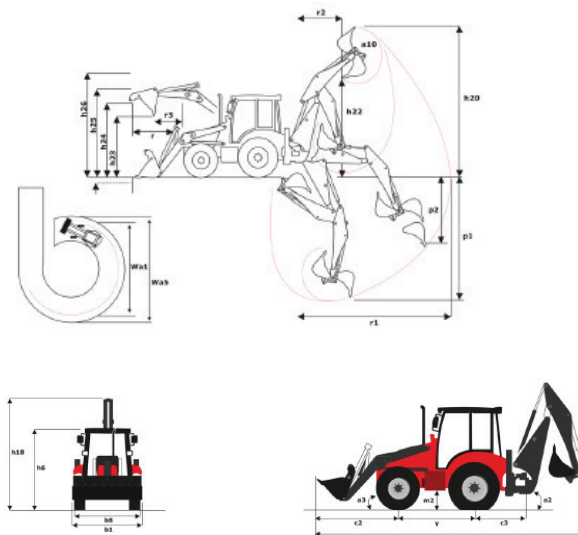
## PERFORMANCE BACKHOE

p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
Total side shift (mm)	1198
Dipper tearout (kgF)	3942
Bucket tearout (kgF)	5810
Hydraulic lift capacity (kg)	1460

## PERFORMANCE BACKHOE

Max dump angle (°)	51
h26 - Max operating height (loader version) (mm)	4230
h23 - Max dump height at 45° (mm)	2780
h24 - Max loadover height (mm)	3310
h25 - Max hinge pin height (mm)	3570
r3 - Max reach at full height 45° (mm)	710
p3 - Below ground dig depth (mm)	156
a13 - Rollback at ground (°)	45
Shovel breakout (kgf)	5229
Arms breakout (kgF)	4691
Lifting capacity at full height (kg)	3467

## MBL 745 HT-DIMENSIONAL DRAWING



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# LIFT IT LIKE A PRO WITH MBL 745HT

**CEV V READY**



**Engine Power** 74.8 hp  
**Engine Brand** Mahindra  
**Operating weight** 7860kg  
**Bucket Capacity:**  
• Backhoe 0.27cum  
• Loader 1cum  
**Powered by BSV Engine**

**BHARAT  
BUILT**  
FOR THE WORLD





## MAXIMIZE SAVINGS WITH REDUCED FUEL CONSUMPTION

Fuel is one of the biggest costs of Construction equipment hence we have designed our Backhoe Loader to provide reduced fuel consumption and higher productivity, thus saving more money.



## EXPERIENCE THE DIFFERENCE WITH MANITOU BACKHOE LOADERS

### Comfort and Ease of Use

A spacious cabin designed to maximise the operator's comfort and optimize the output. The presence of curved quarter glass at the rear cabin corners improves the operator's visibility, reducing the blind spots, and leading to safer operations.

- Comfortable seat with headrest & armrest
- Adjustable steering wheel
- Smooth & effortless levers
- Standard stereo system
- Foot-mounted throttle paddle

## LEVEL II ROPS/FOPS

The MBL offers an standard cabin that meets Level II ROPS and FOPS standards, ensuring enhanced safety and protection for the operator in demanding conditions. Operator ear level Noise 83dB (A) offering Negligible operator health hazard and improved operator comfort.

### Service Made Easy with Optimized Component Access

The optimized machine layout ensures easy access to all key components, enhancing maintenance efficiency. The large access area and new tiltable front engine hood simplify servicing, reducing downtime and keeping your machine running seamlessly.

### Quality and Durability

Engineered with steel castings on boom and dipper ends to avoid wear and tear while doing hard strata operations making it reliable to work in tough conditions. Additional reinforcements on boom and dipper tubes to provide resistance while bending, flexing, and impact. The unbreakable DCPD material on the bonnet enhances its durability and reliability.

### Versatility and Performance

Boost your productivity with our best-in-class dig depth, and 30% higher dipper tearout force than the competitors. Dig through tough materials with great ease and efficiency. 194-degree bucket curl adding up to its versatility of handling different conditions.

## EXPERIENCE THE POWER OF BSV

### 74.5HP High Torque Engine

Provides higher output power and torque rise while enhancing fuel efficiency by 10%.

## HISTORY OF INNOVATION

From the invention of the first all-terrain forklift truck to designing, manufacturing, distributing, and servicing different equipment for construction, agriculture, and industry sectors, we have been there to handle it all.

Today, our product range includes fixed all-terrain telescopic forklifts, compact wheeled and tracked skid-steers, backhoe loaders, scissor lifts, and different accessories. With 1050 dealers in 140 countries, we continued evolving and innovating to offer the best solution for our customers.



Continuing our legacy of delivering world-class quality and innovation, Manitou brings the best of Indian engineering to drive global innovation and shape the future. With fuel efficiency, smart technology, and eco-friendly solutions, our BSV Engine machines are ready to take on the world, redefining what Manitou machines can achieve.



### Easy Manager App



## REDUCED TOTAL COST OF OWNERSHIP (TCO)

- 2 years/4000 hours**  
We focus on optimizing your total cost of ownership by designing high-performance, durable, and cost-efficient machines tailored to your needs.
- Low Maintenance Cost**  
Our efficient gear-driven water pump eliminates the need for belts, reducing risks and improving durability. Additionally, the streamlined front axle sub-assembly ensures enhanced reliability and minimizes maintenance costs.
- Improved serviceability**  
The machine layout has been optimized to provide easy access to all main components facilitating better service.