## CAPACITIES

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

## WEIGHT AND DIMENSIONS

| | |
|---|---|
| Unladen weight with 2 WD | 7750 kg |
| Unladen weight with 2 WD 7 in 1 | 8040 kg |
| Unladen weight with 4 WD | 7845 kg |
| Unladen weight with 4 WD 7 in 1 | 8135 kg |
| Overall length | 7340 mm |
| Overall width | 2330 mm |
| Cabin height | 2900 mm |
| Overall height | 3520 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 radiusover tyres (unbraked) 4WD | |
| External turning radius over bucket (braked) | 5 m / 5.55 m |
| External turning radiusover bucket (braked) 4WD | |
| External turning radius over bucket (unbraked) | 5.70 m |
| Standard tires (front / rear) | 9.0 x 16 - 16 PR / 16.9 x 28-12 PR |
| Optional tyre (front / rear) | 9 x 16 - 16 PR / 12.50 x 18 -12 PR / 9 x 16 - 16 PR /14 x 25 - 20 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 | MCVNC35TI074CE5ATurbocharged CEV BS-V |
| Displacement | 3.50 l |
| Gross Power / Power | 55 kW @ 2200 rpm |
| Max. torque | 400 Nm @ 1200 rpm |
| 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 $m^3$ |
| Width backhoe bucket | 889 mm |
| Loader standard capacity | 1 $m^3$ |
| Width loader bucket | 2235 mm |

## MISCELLANEOUS

| | |
|---|---|
| Power steering | Yes |
| Steering wheels (front / rear) | 2 / 2 |

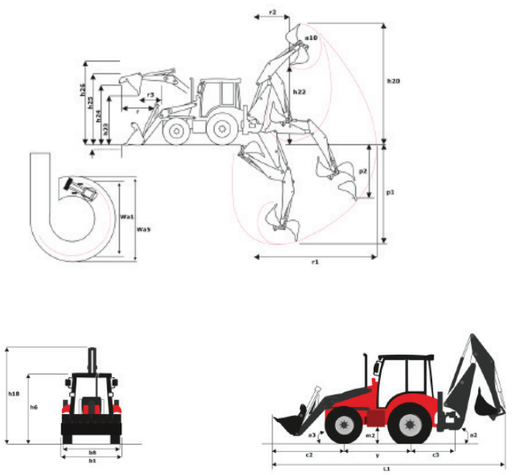
## PERFORMANCE BACKHOE

| | |
|---|---|
| p1 - Max dig depth (mm) | 4415 |
| r1 - Max reach ground level to slew center (mm) | 5710 |
| r2 - Max loading reach (mm) | 2570 |
| Max operating height (mm) | 5650 |
| Max loading height (mm) | 3555 |
| a10 - Max bucket rotation (°) | 197 |
| Total side shift (mm) | 1181 |
| Dipper tearout (kgF) | 3163 |
| Bucket tearout (kgF) | 5685 |
| Hydraulic lift capacity (kg) | 1460 |

## PERFORMANCE LOADER

| | |
|---|---|
| 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 |
| Lifting capacity at full height (kg) | 3467 |

## MBL 745 HT-DIMENSIONAL DRAWING



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# TAKE THE LEAD WITH THE MBL 745 HT RANGER

CEV V READY


| | |
|---|---|
| **Engine Power** | 74.8 hp |
| **Engine Brand** | Mahindra |
| **Operating weight** | 7750kg |
| **Bucket Capacity:** | |
| • *Backhoe* | 0.27cum |
| • *Loader* | 1cum |

**Powered by BSV Engine**

BHARAT BUILT FOR THE WORLD


## THE **BANANA BOOM**

design ensures a lower transportation height, improving operator visibility and allowing for better access when working close to trucks. Its robust construction ensures durability for demanding tasks. A smart choice for maximizing productivity on challenging job sites.

# COMFORT-LED DESIGN FOR **EFFORTLESS OPERATIONS**

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

### 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.

## 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.

### Durable, Reliable, & Built for the Long Haul

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.

### Backing you with Peak 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.

BHARAT **BUILT** FOR THE **WORLD**

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.

# A LEGACY OF **66 YEARS**

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.

# **NEW BSV ENGINE** - THE FUTURE OF FUEL EFFICIENCY

**74.8 hp** Power output with **400 Nm** torque

Provides higher output power and torque rise while enhancing fuel efficiency by 7%.

# INVEST IN LONG-TERM GAINS

1. **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.

2. **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.

3. **Improved serviceability**
   The machine layout has been optimized to provide easy access to all main components facilitating better service.

**Easy Manager App**