

CAPACITIES

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	3790 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 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 28-12 PR
Optional tyre (front / rear)	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	MCVNC35TI074CE5A Turbocharged CEV BS-V
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	143 l/min
Main relief pressure	225 bar
Hydraulic pump type	Axial 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

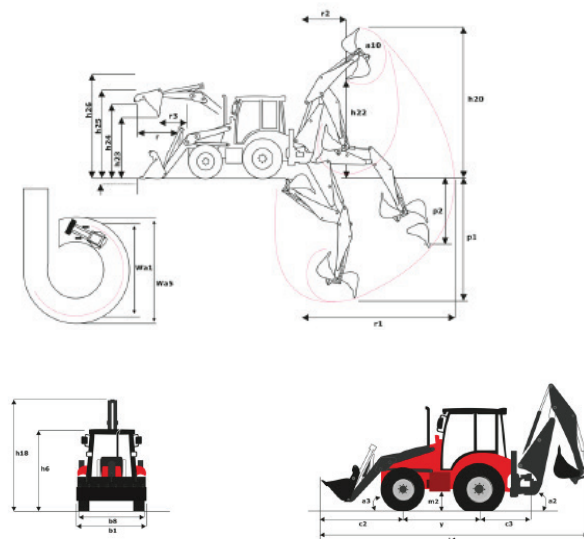
PERFORMANCE BACKHOE

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
2602	
p2 - Max straight wall dig depth (mm)	194
a10 - Max bucket rotation (°)	1198
Total side shift (mm)	3942
Dipper tearout (kgF)	5810
Bucket tearout (kgF)	1460
Hydraulic lift capacity (kg)	

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
Arms breakout (kgF)	4691
Lifting capacity at full height (kg)	3467

MBL 745 HT + -DIMENSIONAL DRAWING



1st Floor, Plot No. A-10, Block-B1, Main Mathura Road,
Mohan Cooperative, New Delhi-110044
Email: info.mind@manitou-group.com, Web: www.manitou.com

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TOUGH JOBS MADE EASY WITH MBL 745 HT+

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

INDIA BUILT
FOR THE WORLD

BETTER FUEL EFFICIENCY AND FASTER OPERATIONS

MBL 745HT+ is equipped with a variable type displacement pump enables to deliver the required hydraulic flow based on the specific task, optimizing efficiency and reducing energy consumption which further results in precise and responsive control during operations, enhancing the machine's overall performance and fuel efficiency.



THE ULTIMATE OPERATOR EXPERIENCE WITH MANITOU

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
- Floor-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.



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.

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.



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%.

Auto idle

When the vehicle isn't in motion, the engine RPM automatically reduces to idle, even if the accelerator is pressed, helping control engine temperature and prevent fuel wastage.

Auto Shutoff

The engine automatically shuts down after being idle for a preset duration, ensuring optimal fuel savings.

Quality that Stands the Test of Time

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.

REDUCED TOTAL COST OF OWNERSHIP (TCO)

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.

Leading the Way with Flawless 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.

Easy Manager App

