

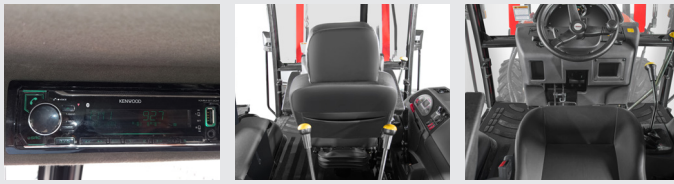


**Operator Comfort**

You will never leave the cabin of your BACKHOE !

- **Easy to access**  
The conveniently placed grab rails allows easy entry and exit to the cab ensuring best in class safety.
- **Comfortable seat**  
Adjustable Suspension seat with armrest provided as standard feature for enhanced operator comfort. Additionally, the operator can rotate the seat by 180 deg to access the excavator levers.
- **Cabin Ventilation**  
Improved operator comfort is realized through the use of rear quarter windows which when open, allows air flow as well as improved right-angle trenching visibility.

- **Ergonomically position switches and lever**  
Control Panel cluster has large sized displays and easy to read indicators and warnings.



**AC**  
Work in better conditions with our optional air conditioning and heating unit for MBL 745 HT.

**Securing the operators and their environment**

Manitou is committed to designing machines that provide optimum safety for users.

- **Improve visibility cab'**  
wide openings in the front, side and rear of the machine, give the operator unobstructed view of the jobsite surroundings and nearby bystanders.
- **Swing safety**  
Boom and swing lock facility, lever provided in the cabin. Its user friendly, safe and suitable during road movements. It helps to reduce the cycle time and enhances operator safety.
- **Safe battery location**  
Battery is kept at a safe location.
- **Battery cut off switch**  
A safety measure device to cut off electrical power. Protect against electrical fires and theft when machine is not in use.

- **Emergency stop switch**  
An emergency stop push button switch is used as a safety measure to stop hazardous action. Switch helps the operator to stop the engine immediately on emergency.

**Simplified user's guide Videos**  
Reduce Risks help you to use your machines safely.

**Level II ROPs/FOPs**  
MBL provides an optional cabin which is Compliant with Level II ROPs & FOPs standard, which provides added levels of protection for the operator.



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«As a backhoe operator and owner, we live in the day and age where machines are required to single-handedly perform multiple tasks. Mul - tifunctional machines is the trend of the changing times.»

Your dealer



This publication describes the versions and configuration possibilities of Manitou products which may differ in equipment. The equipment shown in this brochure may be standard, optional, or not available depending on the version. Manitou reserves the right to change the specifications described and shown at any time without notice. The specifications shown are not binding on the manufacturer. For more details, contact your Manitou dealer. Non contractual document. All logos and corporate identity are the property of Manitou and may not be used without permission. All rights reserved. The photos and diagrams contained in this brochure are provided for reference purposes only. Manitou BF-SA - Public limited company with a Board of Directors - Share capital: 39 547



Discover the new Backhoe loader on [manitou.com](http://manitou.com)



**Manitou is committed to reducing your total cost of ownership (TCO)**

Throughout the project, we integrate your total cost of ownership in order to develop high-performance, robust and cost-optimized machines.

**2 years/4000 hours**  
For added peace of mind, the MBL range offers a standard warranty to ensure the machine is working properly

- **New DCPD styled bonnet**  
The new bonnet and nose offers strength and robustness which is able to absorb the impact during loading to avoid breakage and denting. Also the flip opening offers easy maintenance.
- **Reduce downtime**  
Easy and best availability of parts.

- **Hose Routing**  
Covered protected and well routed hoses for higher protection against wear and tear. Additional nylon sleeves added.
- **Easy access**  
To improve serviceability, the machine layout has been optimized to provide an easy access to all main components .
- **Large access area available**  
The easy serviceability due to large access area available when opening the new tiltable front engine hood.
- **Easy filling**  
The hydraulic and diesel tanks are conveniently positioned for easy filling. The easily removable front grill allows access to the battery and coolers.
- **Reduce cost**  
Efficient gear driven water pump eliminates belt requirement & risk. The reduction of our front axle sub-assembly gives you greater reliability and lower maintenance costs.



**Protect your equipment and control access !**  
As an option, you can manage driving authorizations and control operator access to your machines to ensure their safety and that of the workplace.

**Connected solutions**

Follow your machine's position 24 hours a day in real time and optimize its operational follow-up.





- **View in real time**  
Manage your fleet remotely and benefit from a multitude of information on your machines accessible on PC, tablet or smartphone.
- **Anticipate maintenance**  
Save time: share your alerts directly with the technician to anticipate parts intervention and reduce response time.
- **Analyze performance**  
Visualize the performance of your machines in a graphical format that is easy to follow and interpret.





Performance and versatility  
for your daily life

Manitou backhoe loaders are true tool carriers on which you can easily attach the Manitou-approved accessory which is specifically adapted to your application.

Extending Dipper	Excavator bucket	Loader bucket	Rock breaker
The extending dipper adds the additional machine reach by 3.5 feet. This allows to dig a longer flat-button trench without having to reposition the machine, thus improving productivity. It also allows the operator to place the soil farther from the trench	In the new deep bucket profile, the material spillage is avoided 0,10 m³ 0,12 m³ 0,15 m³ 0,18 m³ 0,24 m³ 0,27 m³ 0,31 m³ Ditch cleaning - 0,08 m³ Heavy Duty Bucket - 0,20 m³	1,2 m³ multi porpose bucket with pallet fork standard bucket with fork Grapple bucket	Max energy Per Blow - 1017 J High blow energy constant throughout the engine Revolution range Powerful, gas fired hammer uses less oil at lower working pressures for greater efficiency
			

<b>Self levelling mechanism</b> MBL is designed with a standard loader bucket self levelling system which offers bucket stability during loading application and avoids spillage of the material. It helps to reduce the cycle time and offers maximum productivity	<b>Loader bucket cylinder</b> 1 Cubic Meters capacity with best in class 45° roll back angle of loader bucket helps in more efficient material handling and loading performance.	<b>Serrated Loader bucket</b> MBL is equipped with serrated loader bucket which avoids the wear and tear of bucket plate around teeth.
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Engine power up to  
**74.5** hp

Lift capacity to full height  
**3467**

Unbreakable  
DCPD honnet

Smart Unique  
controlled hydraulics

Engine Brand  
**Kirlorskar**

**BSIV Engine - 74.5 Naturally Aspirated and 74.5 High Torque**  
- New fuel efficient CEV IV Kirloskar engine  
- Superior Performance  
- ECU coupled with CRDI (Common Rail Direct Injection) system provides higher - output power and torque rise while offering  
- Enhanced fuel efficiency by 10%  
- Engine mounted After Treatment Device (DOC- Diesel Oxidation Catalyst)



**Extreme conditions**  
Regionalized cooling system designed to operate in dusty & high ambient temperature environment

**Loader locking mechanism**

In built Loader arm locking strut offering safety during idle position and maintenance work offering best in class safety and less maintenance.

**Higher lifting and dumping height**  
MBL offers higher lift height and best in class dumping height for more efficient loader performance.Suitable for filing Tipperes and heavy body trucks.

**Boom & dipper reinforcement**

Additional reinforcements on boom and dipper tubes which adds extra strength and is more reliable. Thereby reducing maintenance cost and increasing productivity

**Why choose Manitou backhoe loader?**

Manitou is committed to bringing more value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL's are rock solid and reliable. They deliver higher uptime and require low maintenance, even after prolonged usage. Customers get quick returns on their investments on top of an optimum Total Cost of Ownership



	MBL 745	MBL 745 HT
Wheelbase (y)	2185	2130
Ground clearance	280	280
Overall length	7330	7330
Overall width	2330	2330
Cabin height	2830	2830
Overall height	3790	3790
External turning radius over tyres (unbraked / braked)	5.75 m / 5 m	5.7 m / 5.55 m
Engine brand	KOEL	KOEL
Engine model	4R1190NA1 Naturally Aspirated Water Cooled BS IV CEV	4R1190TA-H.T Turbo Charged Water Cooled BS IV CEV
Gross Power (kW) / Gross Power	54.8 kW @ 2200 rpm	54.8 kW @ 2200 rpm
Max. torque	300 Nm @ 1320 rpm	400 Nm @ 1200 rpm
Transmission brand	Carraro	Carraro
Number of gears (forward / reverse)	4/4	4/4
Hydraulic flow	119 l/min	119 l/min
Main relief pressure	225 Bar	225 Bar
<b>Backhoe performance</b>		
Max dig depth (mm)	4741	4741
Max loading reach (mm)	1996	1996
Max operating height (mm)	5626	5626
Max load height (mm)	3871	3871
Dipper tearout (kgF)	3942	3942
Bucket tearout (kgF)	5810	5810
<b>Loader performance</b>		
Max operating height (loader version) (mm)	4230	4230
Max dump height at 45° (mm)	2780	2780
Shovel breakout (kgf)	5229	5229
Arms breakout (kgF)	4691	4691
Lifting capacity to full height (kg)	3467	3467



**Increased breakout forces**

MBL offers best in class breakout force allowing the machine to dig without being stressed.

**Boom & swing cylinder**

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.

