

RANGE
MBL
BACKHOE LOADER



Discover
the new Backhoe loader
on manitou.com

 **MANITOU**
HANDLING YOUR WORLD



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 allow 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/HVAC

Work in better conditions with our optional air conditioning and heating unit

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.

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/2000 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 hard nose offering strength and robustness, able to absorb the impact during loading to avoid breakage and denting. Also the flip opening should be 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
<p>The extending dipper adds the additional machine reach by 3.5 feet. This allows to dig a longer flat-bottom trench without having to reposition the machine, thus improving productivity. It also allows the operator to place the soil farther from the trench</p>	<p>Various buckets available as per the application requirement</p> <ul style="list-style-type: none"> 0,10 m³ 0,12 m³ 0,15 m³ 0,18 m³ 0,24 m³ 0,27 m³ 0,31 m³ <p>Ditch cleaning - 0,08 m³ Heavy Duty Bucket - 0,20 m³</p>	<p>1,2 m³ multi purpose bucket with pallet fork standard bucket with fork Grapple bucket</p>	<p>Max energy Per Blow - 1017 J High blow energy constant throughout the engine revolution range Power ful, gas fired hammer uses less oil at lower working pressures for greater efficiency</p>
			

Self levelling mechanism
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

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

Serrated Loader bucket
MBL is equipped with serrated loader bucket which avoids the wear and tear of bucket plate around teeth.

Engine power up to
92 hp / 90 hp

Lift capacity to full height
3467

Unbreakable
DCPD bonnet

Smart Unique
controlled hydraulics

Engine Brand
**Perkins or
Kirlorskar**



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

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

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.

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

Loader bucket cylinder
MBL is equipped with a Single Tilt Diversion Loader Arm. The loader arm is made up of high tensile strength steel offering, better visibility, ease in operation and higher tear out forces



Smart UCH optimises your consumption
MBL has a powerful hydraulic dual delivery pump unique unloader controlled(UCH) hydraulics are engineered to optimize engine power and thus increases the fuel efficiency.



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.



	MBL-X 920 94P ST3	MBL-X 920 92P ST2	MBL-X 900 90 KL ST3
Wheelbase (y)	2130	2130	2130
Ground clearance	280	280	280
Overall length	7330	7330	7330
Overall width	2330	2330	2330
Cabin height	2830	2830	2830
Overall height	3790	3790	3790
External turning radius over tyres (unbraked / braked)	5.7 m / 5.55 m	5.7 m / 5.55 m	5.7 m / 5.55 m
Engine brand	PERKINS	PERKINS	KIRLOSKAR
Engine model	1104D 44T Turbo Charged Water Cooled Tier-III	1104C 44T Turbo Charged Water Cooled Tier-II	4R1040TA1 Turbo Charged Water Cooled BSIII
Gross Power (kW) / Gross Power	70 kW @ 2200 rpm	68.5 kW @ 2200 rpm	90 HP @2200 rpm
Max. torque	395 Nm	395 Nm	350 Nm
Transmission brand	Carraro	Carraro	Carraro
Number of gears (forward / reverse)	4/4	4/4	4/4
Hydraulic flow	142 l/min	142 l/min	142 l/min
Main relief pressure	225 Bar	225 Bar	225 Bar
Backhoe performance			
Max dig depth (mm)	4741	4741	4741
Max loading reach (mm)	1996	1996	1996
Max operating height (mm)	5626	5626	5626
Max load height (mm)	3871	3871	3871
Dipper tearout (kgF)	4336	4336	4336
Bucket tearout (kgF)	5810	5810	5810
Loader performance			
Max operating height (loader version) (mm)	4230	4230	4230
Max dump height at 45° (mm)	2780	2780	2780
Shovel breakout (kgf)	5229	5229	5229
Arms breakout (kgf)	5312	5312	5312
Lifting capacity to full height (kg)	3819	3819	3819



"Let's Build Together"



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