

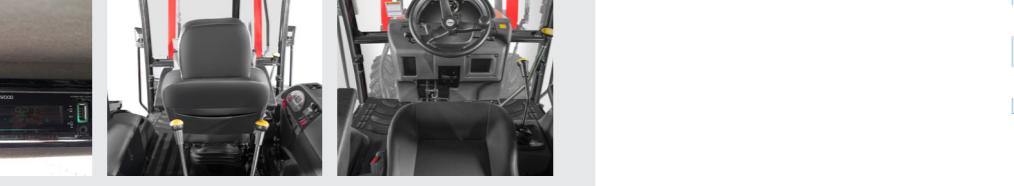


Operator Comfort

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

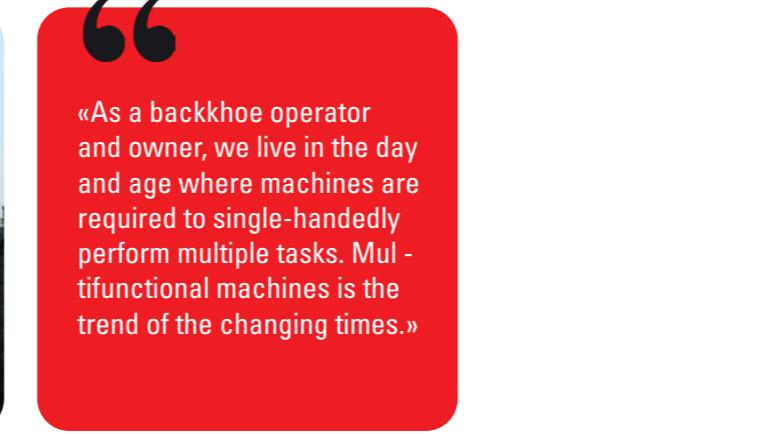
Manitou is committed to designing machines that provide optimum safety for users.

- 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.
- 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.
- 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.

- 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.



“

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

Your dealer

MANITOU
HANDLING YOUR WORLD

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

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Discover

the new Backhoe loader

on manitou.com

MANITOU
HANDLING YOUR WORLD



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.

- 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.



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.



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.



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

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



Excavator bucket

Various buckets available as per the application requirement

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



Loader bucket

1,2 m³
multi purpose bucket
with pallet fork
standard bucket with fork
Grapple bucket



Rock breaker

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



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
environnement



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



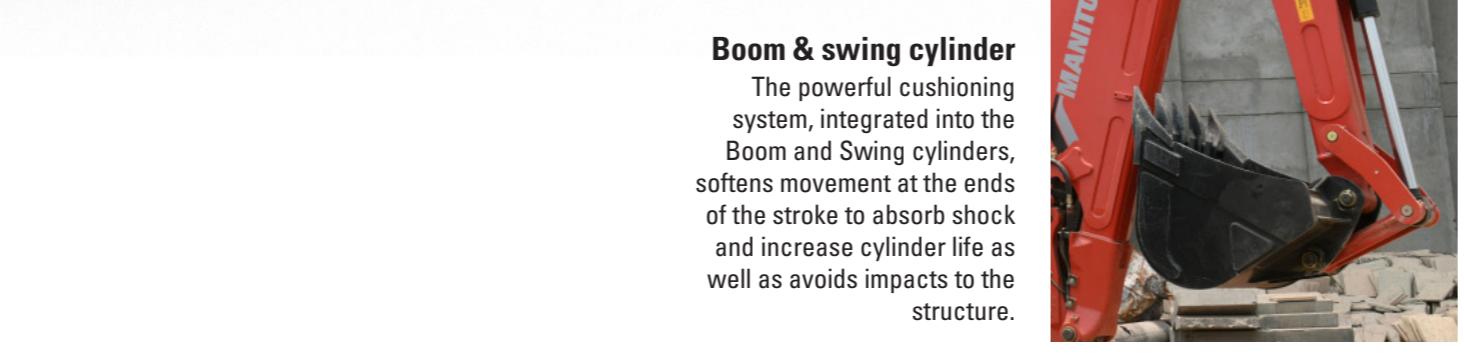
Boom & dipper reinforcement

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



Smart UCH optimises your consumption

MBL has a powerful hydraulic system, its high performance dual delivery pump unique unloader controlled(UCH) hydraulics are engineered to optimize engine power and thus increases the fuel efficiency.



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 |
| 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) | 5,7 m / 5,55 m | 5,7 m / 5,55 m |
| Engine brand | PERKINS | PERKINS |
| Engine model | 1104D 4AT Turbo Charged Water Cooled Tier-III | 1104C 4AT Turbo Charged Water Cooled Tier-II |
| Gross Power (kW) / Gross Power | 70 kW @ 2200 rpm | 68.5 kW @ 2200 rpm |
| Max. torque | 395 Nm | 395 Nm |
| Transmission brand | Carraro | Carraro |
| Number of gears (forward / reverse) | 4/4 | 4/4 |
| Hydraulic flow | 142 l/min | 142 l/min |
| Main relief pressure | 225 Bar | 225 Bar |
| Backhoe performance | | |
| 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) | 4336 | 4336 |
| Bucket tearout (kgf) | 5810 | 5810 |
| Loader performance | | |
| Max operating height (loader version) (mm) | 4230 | 4230 |
| Max dump height at 45° (mm) | 2780 | 2780 |
| Shovel breakout (kgf) | 5229 | 5229 |
| Arms breakout (kgf) | 5312 | 5312 |
| Lifting capacity to full height (kg) | 3819 | 3819 |