Technical sheet:

# MBL-X 920 94P ST3

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL X 920 is powered by Tier -II/III engine. The structure of MBL X 920 is durable and designed for intensive operations. It comes with the latest cabin design and unbreakable bonnet which promises to deliver higher up-time and require low maintenance, even after prolonged usage. Customers get quick returns on their investments on top of an optimum Total Cost of Ownership. It comes with an option of features such as AC, multipurpose bucket.





|   | MBL-X 920 94P ST3 Created on 6 May 2024 at 3:08:22 F |   |  |
|---|--|---|--|
| Capacities  | Metric   | ;   |  |
| Wheelbase 2 wheels drive  | 2185 m   |   |  |
| Wheelbase 4 wheels drive  | 2130 m   | m   |  |
| Weight and dimensions   |  |   |  |
| Unladen weight  | 7620 k   | g   |  |
| Unladen weight with 4 WD  | 7620 k   |   |  |
| Unladen weight with 4 WD 7 in 1   | 7908 k   |   |  |
| Overall length  | l1 7330 m  |   |  |
| Overall width   | b1 2330 m  | m   |  |
| Overall width with stabilizers extended - Center mount only   | 3910 m   | m   |  |
| Cabin height  | h6 2830 m  | m   |  |
| Height of cab with air conditioning (option)  | h6** 2860 m  | m   |  |
| Overall height  | h17 3790 m   | m   |  |
| External turning radius over tyres (braked)   | Wa1 3850 m   | m   |  |
| External turning radius over tyres (unbraked)   | Wa1 4200 m   |   |  |
| External turning radius over bucket (braked)  | Wa5 5550 m   |   |  |
| External turning radius over bucket (unbraked)  | Wa5 5700 m   |   |  |
| Standard tires front / rear   | 12.5 x 18 - 12 PR / 1                                |   |  |
| Optional tyre (front / rear)  | 9 x 16 - 16 PR / 14                                  |   |  |
| Reach at travelling   | c2 2098 m  |   |  |
| Rear axle center to slew center   | c3 1293 m  |   |  |
| Departure angle   | a2 20 °  |   |  |
| Angle of Approach   | a3 66°   |   |  |
| Ground clearance  | m4 280 mr  | m   |  |
| Performances  |  | •   |  |
| Travel speed forward 1st / 2nd  | 5 40 km/h / 8  | 60 km/h   |  |
| Travel speed forward 3rd / 4th  |  | 5.40 km/h / 8.60 km/h<br>19.90 km/h / 40 km/h           |  |
| Engine  | 15:50 km/m/  | TO KIN, II  |  |
| Engine brand  | Perkins  | s   |  |
| Engine model  |  |   |  |
| Max. capacity   |  | 1104D 44T Turbo Charged Water Cooled Tier-III<br>4.40 I |  |
| Gross Power / Power   | 70 kW @ 220  |   |  |
| Max. torque   | 395 Nn   |   |  |
| Battery voltage / capacity  | 12 V / 75  |   |  |
| Transmission  | 12.7770  | 7.111   |  |
| Transmission brand  | Сапас  | 0   |  |
| Number of gears (forward / reverse)   |  | 4 / 4   |  |
| Torque converter stall ratio  |  | 3.01:1  |  |
| Service brake   | Wet disc bi  |   |  |
| Hydraulics  |  |   |  |
| Hydraulic flow  | 142 l/m  | in  |  |
| Main relief pressure  | 225 ba   |   |  |
| Tank capacities   |  |   |  |
| Hydraulic oil   | 901  |   |  |
| Liquid cooling tank volume  | 161  |   |  |
| Fuel tank   | 145 I  |   |  |
| Transmission oil  | 17.50  |   |  |
| Engine oil  | 9.10   |   |  |
| Oil rear axle   | 17.50  |   |  |
| Bucket  | 17.50  |   |  |
| Backhoe standard capacity   | 0.24 m   | 3   |  |
| Width backhoe bucket  | 892 mr   |   |  |
| Loader standard capacity  | 1 m³   |   |  |
|   | 2235 m   |   |  |
| Width loader hucket   |  | •••   |  |
|   | 2255 111   |   |  |
| Miscellaneous   |  |   |  |
| Miscellaneous<br>Power steering   | Yes  |   |  |
| Miscellaneous<br>Power steering<br>Front steer axle of oscillation  | Yes<br>2°  |   |  |
| Width loader bucket  Miscellaneous  Power steering  Front steer axle of oscillation  Front steer axle of oscillation 2WD  Front steer axle of oscillation 4WD | Yes  |   |  |

## Performance backhoe

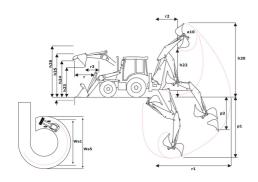
|   | Standard dipper | Extending dipper |
|---|-----------------|------------------|
|   |                 | Retracted        |
| p1 - Max dig depth (mm)                         | 4741            | 5815             |
| r1 - Max reach ground level to slew center (mm) | 5730            | 7019             |
| r2 - Max loading reach (mm)                     | 1996            | 4849             |
| Max operating height (mm)                       | 5626            | 6637             |
| h22 - Max loading height SAE (mm)               | -               | 4531             |
| Max loading height (mm)                         | 3871            | 4849             |
| p2 - Max straight wall dig depth (mm)           | 2602            | 3991             |
| a10 - Max bucket rotation (°)                   | 194             | 194              |
| Total side shift (mm)                           | 1198            | 1198             |
| Dipper tearout (kgF)                            | 4336            | 2644             |
| Bucket tearout (kgF)                            | 5810            | 5219             |
| Hydraulic lift capacity (kg)                    | 1460            | 812              |

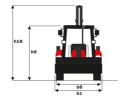
## Performance loader

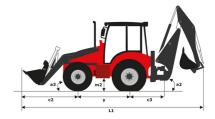
| Max dump angle (°)                               |  |
|--|--|
| h26 - Max operating height (loader version) (mm) |  |
| h23 - Max dump height at 45° (mm)                |  |
| h24 - Max loadover height (mm)                   |  |
| h25 - Max hinge pin height (mm)                  |  |
| r - Max reach at full height (mm)                |  |
| r3 - Max reach at full height 45° (mm)           |  |
| p3 - Below ground dig depth (mm)                 |  |
| a13 - Rollback at ground (°)                     |  |
| Shovel breakout (kgf)                            |  |
| Arms breakout (kgF)                              |  |
| Lifting capacity at full height (kg)             |  |

| Standard shovel |
|-----------------|
| 51              |
| 4230            |
| 2780            |
| 3310            |
| 3570            |
| 1153            |
| 710             |
| 156             |
| 45              |
| 5229            |
| 5312            |
| 3819            |

#### MBL-X 920 94P ST3 - Dimensional drawing











#### **Head Office**

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