Technical sheet :

# MBL-X 900 90KL ST3

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL X 900 is powered by Tier -II/III engine. The structure of MBL X 900 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.





#### **мвь-х 900 90кь sтз** Created on 17 May 2024 at 7:40:06 AM UTC

| Capacities   | Metric                                 |
|--|--|
| Vheelbase 2 wheels drive   | 2185 mm                                |
| /heelbase 4 wheels drive   | 2130 mm                                |
| leight and dimensions  |  |
| nladen weight  | 7730 kg                                |
| nladen weight with 4 WD  | 7730 kg                                |
| nladen weight with 4 WD 7 in 1   | 8018 kg                                |
| nladen weight 4WD - Center mount   | 7455 kg                                |
| nladen weight 4WD - Side shift   | 7730 kg                                |
| verall length  | l1 7330 mm                             |
| verall width   | b1 2330 mm                             |
|  | 3910 mm                                |
| verall width with stabilizers extended - Center mount only               |  |
| abin height  | h6 2830 mm                             |
| eight of cab with air conditioning (option)                              | h6** 2860 mm                           |
| verall height  | h17 3790 mm                            |
| xternal turning radius over tyres (braked)                               | Wa1 3850 mm                            |
| xternal turning radius over tyres (unbraked)                             | Wa1 4200 mm                            |
| xternal turning radius over bucket (braked)                              | Wa5 5550 mm                            |
| sternal turning radius over bucket (unbraked)                            | Wa5 5700 mm                            |
| andard tires front / rear  | 12.5 x 18 - 12 PR / 16.9 x 28-12PR     |
| ptional tyre (front / rear)  | 9 x 16 - 16 PR / 14 x 25 - 20 PR       |
| each at travelling   | c2 2098 mm                             |
| ear axle center to slew center   | c3 1293 mm                             |
| eparture angle   | a2 20 °                                |
| ngle of Approach   | a3 66 °                                |
| round clearance  | m4 280 mm                              |
| erformances  | 1114 200 11111                         |
|  | E 10 hm /h / 0 60 hm /h                |
| ravel speed forward 1st / 2nd  | 5.40 km/h / 8.60 km/h                  |
| ravel speed forward 3rd / 4th  | 19.90 km/h / 40 km/h                   |
| ngine  |  |
| ngine brand  | Kirloskar                              |
| ngine model  | 4R1040TA1 Turbo Charged Water Cooled B |
| lax. capacity  | 4.15                                   |
| ross Power / Power   | 67.12 kW @ 2200 rpm                    |
| fax. torque  | 350 Nm                                 |
| attery voltage / capacity  | 12 V / 65 Ah                           |
| ransmission  |  |
| ransmission brand  | Carraro                                |
| umber of gears (forward / reverse)                                       | 4 / 4                                  |
| orque converter stall ratio  | 2.64:1                                 |
| ervice brake   | Wet disc brakes                        |
| ydraulics  |  |
| ydraulic flow  | 142 l/min                              |
| •  |  |
| lain relief pressure   | 225 bar                                |
| ank capacities   |  |
| ydraulic oil   | 901                                    |
| quid cooling tank volume   | 16                                     |
| uel tank   | 145                                    |
| ansmission oil   | 17.50 l                                |
| ngine oil  | 9.10                                   |
| il rear axle   | 17.50 l                                |
| ucket  |  |
| ackhoe standard capacity   | 0.24 m³                                |
| lidth backhoe bucket   | 892 mm                                 |
| pader standard capacity  | 1 m <sup>3</sup>                       |
| lidth loader bucket  | 2235 mm                                |
| liscellaneous  |  |
|  | Vec                                    |
| ower steering  | Yes                                    |
|  | 20 °                                   |
| ront steer axle of oscillation 2WD<br>ront steer axle of oscillation 4WD | 16 °                                   |

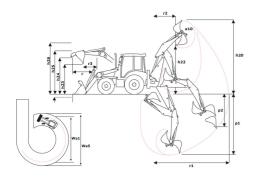
### Performance backhoe

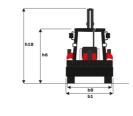
|   | Standard dipper |
|---|-----------------|
| p1 - Max dig depth (mm)                         | 4741            |
| r1 - Max reach ground level to slew center (mm) | 5730            |
| r2 - Max loading reach (mm)                     | 1996            |
| Max operating height (mm)                       | 5626            |
| Max loading height (mm)                         | 3871            |
| p2 - Max straight wall dig depth (mm)           | 2602            |
| a10 - Max bucket rotation (°)                   | 194             |
| Total side shift (mm)                           | 1198            |
| Dipper tearout (kgF)                            | 4336            |
| Bucket tearout (kgF)                            | 5810            |
| Hydraulic lift capacity (kg)                    | 1460            |

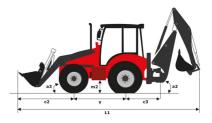
## Performance loader

|  | Standard shovel |
|--|-----------------|
| 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)                              | 5312            |
| Lifting capacity at full height (kg)             | 3819            |

#### MBL-X 900 90KL ST3 - Dimensional drawing











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