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 21 May 2024 at 4:24:09 PM UTC

| Capacities   | Metric                                   |
|--|--|
| Wheelbase 2 wheels drive   | 2185 mm                                  |
| Wheelbase 4 wheels drive   | 2130 mm                                  |
| Neight and dimensions  |  |
| Jnladen weight   | 7730 kg                                  |
| Jnladen weight with 4 WD   | 7730 kg                                  |
| Inladen weight with 4 WD 7 in 1  | 8018 kg                                  |
| Inladen weight 4WD - Center mount  | 7455 kg                                  |
| Jnladen weight 4WD - Side shift  | 7730 kg                                  |
| Dverall length   | l1 7330 mm                               |
| )verall width  | b1 2330 mm                               |
|  |  |
| Overall width with stabilizers extended - Center mount only              | 3910 mm                                  |
| Cabin height   | h6 2830 mm                               |
| leight of cab with air conditioning (option)                             | h6** 2860 mm                             |
| )verall height   | h17 3790 mm                              |
| external turning radius over tyres (braked)                              | Wa1 3850 mm                              |
| ixternal turning radius over tyres (unbraked)                            | Wa1 4200 mm                              |
| xternal turning radius over bucket (braked)                              | Wa5 5550 mm                              |
| xternal turning radius over bucket (unbraked)                            | Wa5 5700 mm                              |
| tandard tires front / rear   | 12.5 x 18 - 12 PR / 16.9 x 28-12PR       |
| Optional tyre (front / rear)   | 9 x 16 - 16 PR / 14 x 25 - 20 PR         |
| leach at travelling  | c2 2098 mm                               |
| lear axle center to slew center  | c3 1293 mm                               |
| leparture angle  | a2 20 °                                  |
|  | a2 20<br>a3 66 °                         |
| ingle of Approach  |  |
| iround clearance   | m4 280 mm                                |
| Performances   |  |
| 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                     |
| ingine   |  |
| ingine brand   | Kirloskar                                |
| ingine model   | 4R1040TA1 Turbo Charged Water Cooled BSI |
| fax. capacity  | 4.15 l                                   |
| Bross Power / Power  | 67.12 kW @ 2200 rpm                      |
| Aax. torque  | 350 Nm                                   |
| Battery 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                          |
| lydraulics   |  |
|  | 1401/min                                 |
| lydraulic flow   | 142 l/min                                |
| lain relief pressure   | 225 bar                                  |
| ank capacities   |  |
| lydraulic oil  | 90                                       |
| iquid cooling tank volume  | 16                                       |
| uel tank   | 145                                      |
| ransmission oil  | 17.50                                    |
| ngine oil  | 9.10                                     |
| il rear axle   | 17.50 l                                  |
| ucket  |  |
| ackhoe standard capacity   | 0.24 m³                                  |
| /idth backhoe bucket   | 892 mm                                   |
| oader standard capacity  | 1 m <sup>3</sup>                         |
| Vidth loader bucket  | 2235 mm                                  |
|  |  |
| /iscellaneous  |  |
| Power steering   | Yes                                      |
|  | 20 °                                     |
| ront steer axle of oscillation 2WD<br>ront steer axle of oscillation 4WD | 16 °                                     |

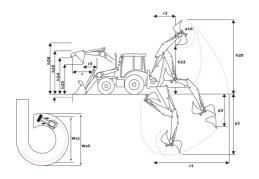
### Performance backhoe

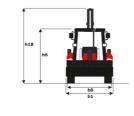
|   | Standard dipper |
|---|-----------------|
| p1 - Max dig depth (mm)                         | 4741            |
| r1 - Max reach ground level to slew center (mm) | 5730            |
| r2 - Max loading reach (mm)                     | 1996            |
| Max operating height (mm)                       | 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            |

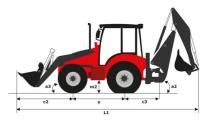
## Performance loader

|  | 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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