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.





| Capacities | | Metric |
|--|----------|---------------------------------------|
| · | | 2185 mm |
| Vheelbase 2 wheels drive | | |
| Vheelbase 4 wheels drive | | 2130 mm |
| /eight 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 |
| verall width with stabilizers extended - Center mount only | | 3910 mm |
| abin height | h6 | 2830 mm |
| leight of cab with air conditioning (option) | h6** | 2860 mm |
| | | 3790 mm |
| Iverall height | h17 | |
| 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 |
| xtemal 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 |
| Departure angle | a2 | 20 ° |
| ingle of Approach | a3 | 66 ° |
| Ground clearance | m4 | 280 mm |
| Performances | 1117 | 200 111111 |
| | | 5.40 km/h / 8.60 km/h |
| Fravel speed forward 1st / 2nd | | |
| Fravel speed forward 3rd / 4th | | 19.90 km/h / 40 km/h |
| ingine | | |
| Engine brand | | Kirloskar |
| ingine model | 4R | 040TA1 Turbo Charged Water Cooled BSI |
| Displacement | | 4.15 l |
| Gross Power / Power | | 67.12 kW @ 2200 rpm |
| Max. torque | | 350 Nm |
| Battery voltage / capacity | | 12 V / 65 Ah |
| Transmission | | |
| ransmission brand | | Саггаго |
| lumber of gears (forward / reverse) | | 4 / 4 |
| orque converter stall ratio | | 2.64:1 |
| | | |
| Service brake | | Wet disc brakes |
| łydraulics | | |
| Hydraulic flow | | 142 l/min |
| Main relief pressure | | 225 bar |
| ank capacities | | |
| lydraulic oil | | 90 I |
| iquid cooling tank volume | | 16 l |
| uel tank | | 145 I |
| ransmission oil | | 17.50 I |
| ngine oil | | 9.10 |
| bil rear axle | | 17.50 I |
| wcket | | 17.501 |
| | | 0.043 |
| ackhoe standard capacity | | 0.24 m³ |
| /idth backhoe bucket | | 892 mm |
| oader standard capacity | | 1 m³ |
| Vidth loader bucket | <u> </u> | 2235 mm |
| Miscellaneous | | |
| Power steering | | Yes |
| ront steer axle of oscillation 2WD | | 20 ° |
| ront steer axle of oscillation 4WD | | 16 ° |
| Steering wheels (front / rear) | | 2 / 2 |

Performance backhoe

| p1 - Max dig depth (mm) |
|---|
| r1 - Max reach ground level to slew center (mm) |
| r2 - Max loading reach (mm) |
| Max operating height (mm) |
| Max loading height (mm) |
| p2 - Max straight wall dig depth (mm) |
| a10 - Max bucket rotation (°) |
| Total side shift (mm) |
| Dipper tearout (kgF) |
| Bucket tearout (kgF) |
| Hydraulic lift capacity (kg) |

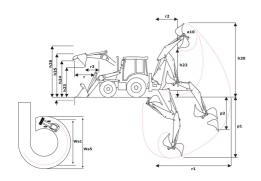
| Standard dipper |
|-----------------|
| 4741 |
| 5730 |
| 1996 |
| 5626 |
| 3871 |
| 2602 |
| 194 |
| 1198 |
| 4336 |
| 5810 |
| 1460 |
| |

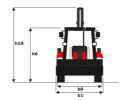
Performance loader

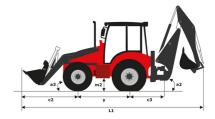
| Max dump angle (°) | |
|--|--|
| h26 - Max operating height (loader version) (mm) | |
| h23 - Max dump height at 45° (mm) | |
| h24 - Max loadover height (mm) | |
| h25 - Max hinge pin height (mm) | |
| r3 - Max reach at full height 45° (mm) | |
| p3 - Below ground dig depth (mm) | |
| a13 - Rollback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

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

MBL-X 900 90KL ST3 - Dimensional drawing











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