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.





MBL-X 900 90KL ST3 Created on September 10, 2025 at 4:23 AM UTC

Capacities	Metric		
Wheelbase 2 wheels drive	2185 mm		
Wheelbase 4 wheels drive	2130 mm		
Weight and dimensions			
Unladen weight	7730 kg		
Jnladen weight with 4 WD	7730 kg		
Jnladen weight with 4 WD 7 in 1	8018 kg		
Jnladen weight 4WD - Center mount	7455 kg		
Jnladen weight 4WD - Side shift	7730 kg		
Overall length	l1 7330 mm		
Overall width	b1 2330 mm		
Verall width with stabilizers extended - Center mount only	3910 mm		
Cabin height	h6 2830 mm		
leight of cab with air conditioning (option)	h6** 2860 mm		
Overall height	h17 3790 mm		
External turning radius over tyres (braked)	Wa1 3850 mm		
External turning radius over tyres (unbraked)	Wa1 4200 mm		
xternal turning radius over bucket (braked)	Wa5 5550 mm		
ixternal turning radius over bucket (unbraked)	Wa5 5700 mm		
tandard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 2	28-12PR	
Dptional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 -		
Reach at travelling	c2 2098 mm	2011	
Rear axle center to slew center	c3 1293 mm		
Departure angle	a2 20 °		
Angle of Approach	a3 66 °		
Sround 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/		
Engine	19.90 KIII/II / 40 KIII/		
-	Videokor		
Engine brand	Kirloskar	• Cooled DOUL	
Engine model	4R1040TA1 Turbo Charged Wate 4.15 I	r cooled BSIII	
Visplacement			
Bross Power / Power	67.12 kW @ 2200 rpr	n	
Max. torque	350 Nm		
Battery voltage / capacity	12 V / 65 Ah		
Transmission			
ransmission brand		Carraro	
lumber of gears (forward / reverse)	4/4		
orque converter stall ratio	2.64:1		
ervice brake	Wet disc brakes		
lydraulics			
łydraulic flow	142 l/min		
Aain relief pressure	225 bar		
Fank capacities			
łydraulic oil	90 I		
iquid cooling tank volume	16 I		
uel tank	145 I		
ransmission oil	17.50 l		
Ingine oil	9.10		
)il rear axle	17.50 l		
lucket			
lackhoe standard capacity	0.24 m³		
Vidth backhoe bucket	892 mm		
oader standard capacity	1 m³		
Vidth loader bucket	2235 mm		
Viscellaneous			
Power steering	Yes		
ront steer axle of oscillation 2WD	20 °		
Front steer axle of oscillation 4WD	16 °		
Steering wheels (front / rear)	2/2		

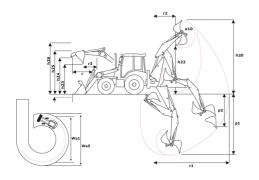
Performance backhoe

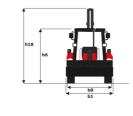
p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic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

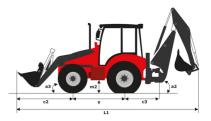
Performance loader

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)

MBL-X 900 90KL ST3 - Dimensional drawing









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