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 этэ Created on August 12, 2025 at 11:22 PM UTC

	MBL-X 900 90KL ST3 UR		
Capacities		Metric	
Wheelbase 2 wheels drive		2185 mm	
Nheelbase 4 wheels drive		2130 mm	
Neight and dimensions			
Inladen weight		7730 kg	
Inladen weight with 4 WD		7730 kg	
Inladen weight with 4 WD 7 in 1		8018 kg	
Inladen weight 4WD - Center mount		7455 kg	
nladen weight 4WD - Side shift		7730 kg	
Verall length	l1	7330 mm	
Iverall 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	
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	
xternal turning radius over bucket (unbraked)	Wa5	5700 mm	
tandard 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	
leach at travelling	c2	2098 mm	
lear axle center to slew center	c3	1293 mm	
leparture angle	a2	20 °	
Angle of Approach	a3	66 °	
Sround clearance	m4	280 mm	
erformances			
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 BSIII	
Displacement		4.15 l	
Bross Power / Power		67.12 kW @ 2200 rpm	
Aax. torque		350 Nm	
Battery voltage / capacity		12 V / 65 Ah	
ransmission		12 V / 03 All	
ransmission brand		Саггаго	
lumber of gears (forward / reverse)		4/4	
orque converter stall ratio		2.64:1	
ervice brake		Z:04:1 Wet disc brakes	
lydraulics		Wet disc blakes	
		140 l/min	
lydraulic flow		142 l/min	
Aain relief pressure		225 bar	
ank capacities		001	
lydraulic oil		90 I	
		17.1	
iquid cooling tank volume		161	
iquid cooling tank volume uel tank		145 l	
iquid cooling tank volume uel tank ransmission oil		145 l 17.50 l	
iquid cooling tank volume uel tank ransmission oil ngine oil		145   17.50   9.10	
iquid cooling tank volume uel tank ransmission oil ngine oil il rear axle		145 l 17.50 l	
iquid cooling tank volume uel tank ransmission oil ngine oil il rear axle ucket		145   17.50   9.10   17.50	
iquid cooling tank volume uel tank ransmission oil ngine oil iil rear axle ucket ackhoe standard capacity		145 l 17.50 l 9.10 l 17.50 l 0.24 m <sup>3</sup>	
iquid cooling tank volume iuel tank iransmission oil ingine oil Dil rear axle Rucket Rackhoe standard capacity Vidth backhoe bucket		145 l 17.50 l 9.10 l 17.50 l 0.24 m <sup>3</sup> 892 mm	
iquid cooling tank volume iuel tank iransmission oil ingine oil Dil rear axle Backhoe standard capacity Vidth backhoe bucket ioader standard capacity		145 l 17.50 l 9.10 l 17.50 l 0.24 m <sup>3</sup> 892 mm 1 m <sup>3</sup>	
iquid cooling tank volume iuel tank iransmission oil ingine oil Dil rear axle Bucket Backhoe standard capacity Vidth backhoe bucket ioader standard capacity Vidth loader bucket		145 l 17.50 l 9.10 l 17.50 l 0.24 m <sup>3</sup> 892 mm	
iquid cooling tank volume iuel tank iransmission oil ingine oil Dil rear axle Bucket Backhoe standard capacity Vidth backhoe bucket ioader standard capacity Vidth loader bucket		145 l 17.50 l 9.10 l 17.50 l 0.24 m <sup>3</sup> 892 mm 1 m <sup>3</sup>	
iquid cooling tank volume iquel tank iransmission oil ingine oil Dil rear axle bucket Backhoe standard capacity Vidth backhoe bucket Loader standard capacity Vidth loader bucket Aiscellaneous Power steering		145 l 17.50 l 9.10 l 17.50 l 0.24 m <sup>3</sup> 892 mm 1 m <sup>3</sup>	
initiation of a second		145   17.50   9.10   17.50   0.24 m³ 892 mm 1 m³ 2235 mm	

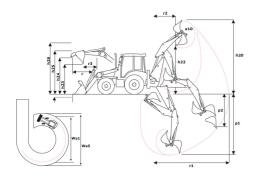
### Performance backhoe

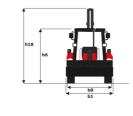
	Standard
p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
Total side shift (mm)	1198
Dipper tearout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

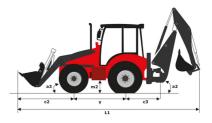
## Performance loader

	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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