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 10:35 PM UTC

	MBL-X 900 90KL ST3 Created		
Capacities		Metric	
Wheelbase 2 wheels drive		2185 mm	
Vheelbase 4 wheels drive		2130 mm	
Veight 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	11	7330 mm	
verall 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	
each at travelling	c2	2098 mm	
ear axle center to slew center	c3	1293 mm	
leparture angle	a2	20 °	
ngle 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	
ngine model	48	1040TA1 Turbo Charged Water Cooled BSIII	
lisplacement		4.15	
Sross Power / Power		67.12 kW @ 2200 rpm	
fax. torque		350 Nm	
Battery voltage / capacity		12 V / 65 Ah	
ransmission		12 V/ 03 All	
ransmission brand		Carraro	
lumber of gears (forward / reverse)		4/4	
orque converter stall ratio		2.64:1	
ervice brake		2.04.1 Wet disc brakes	
lydraulics		wet disc blakes	
		1421/min	
lydraulic flow		142 l/min	
Aain relief pressure		225 bar	
ank capacities		22.1	
ydraulic oil		901	
iquid cooling tank volume		161	
		145 I	
uel tank			
ransmission oil		17.50 l	
uel tank ransmission oil ngine oil		9.10 l	
uel tank ransmission oil ngine oil il rear axle			
uel tank ransmission oil ngine oil iil rear axle ucket		9.10 l 17.50 l	
uel tank ransmission oil ngine oil Iil rear axle ucket ackhoe standard capacity		9.10 l 17.50 l 0.24 m ³	
uel tank ransmission oil ingine oil Dil rear axle Bucket Backhoe standard capacity Vidth backhoe bucket		9.10 l 17.50 l 0.24 m ^a 892 mm	
iuel tank iransmission oil ingine oil Dil rear axle bucket Backhoe standard capacity Vidth backhoe bucket .oader standard capacity		9.10 l 17.50 l 0.24 m ³ 892 mm 1 m ³	
iuel tank iransmission oil ingine oil Dil rear axle Bucket Backhoe standard capacity Vidth backhoe bucket .oader standard capacity Vidth loader bucket		9.10 l 17.50 l 0.24 m ^a 892 mm	
iuel tank iransmission oil ingine oil Dil rear axle Bucket Backhoe standard capacity Vidth backhoe bucket .oader standard capacity Vidth loader bucket		9.10 l 17.50 l 0.24 m ^s 892 mm 1 m ^s	
uel tank iransmission oil ingine oil bil rear axle tucket tackhoe standard capacity Vidth backhoe bucket oader standard capacity Vidth loader bucket discellaneous tower steering		9.10 l 17.50 l 0.24 m ³ 892 mm 1 m ³	
Viet tank Transmission oil Engine oil Dil rear axle Bucket Backhoe standard capacity Vidth backhoe bucket Loader standard capacity Vidth loader bucket Vidth loader bucket Power steering Front steer axle of oscillation 2WD		9.10 I 17.50 I 0.24 m ³ 892 mm 1 m ³ 2235 mm	

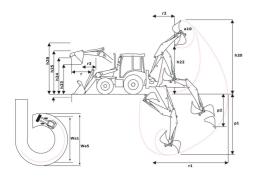
Performance backhoe

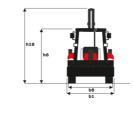
	Standard
p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
Total side shift (mm)	1198
Dipper tearout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

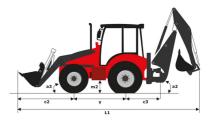
Performance loader

	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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