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 стэ Created on May 17, 2024 at 10:31:47 AM UTC

Capacities	Metric	
Vheelbase 2 wheels drive	2185 mm	
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	
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 20	3-12PR
ptional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 2	
each at travelling	c2 2098 mm	
ear axle center to slew center	c3 1293 mm	
ieparture angle	a2 20 °	
ngle of Approach	a3 66 °	
iround clearance	m4 280 mm	
erformances		
ravel speed forward 1st / 2nd	5.40 km/h / 8.60 km/l	1
ravel speed forward 3rd / 4th	19.90 km/h / 40 km/h	
ngine		
ngine brand	Kirloskar	
ngine model	4R1040TA1 Turbo Charged Water	Cooled PCIII
lax. capacity	4K10401AT Tubb Charged Water 4.151	COOIEU DOIII
ross Power / Power		
	67.12 kW @ 2200 rpm 350 Nm	
fax. torque		
lattery 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		
lydraulic flow	142 l/min	
lain relief pressure	225 bar	
ank capacities		
ydraulic oil	90	
iquid cooling tank volume	16	
uel tank	145 I	
ransmission oil	17.50 l	
ngine oil	9.10 l	
il rear axle	17.50 l	
ucket		
ackhoe standard capacity	0.24 m³	
/idth backhoe bucket	892 mm	
oader standard capacity	1 m³	
/idth loader bucket	2235 mm	
/iscellaneous		
Power steering	Yes	
ront steer axle of oscillation 2WD	20 °	
ront steer axle of oscillation 4WD	16 °	
Steering wheels (front / rear)	2/2	

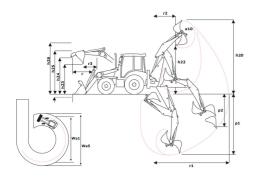
Performance backhoe

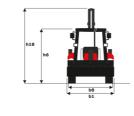
p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic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

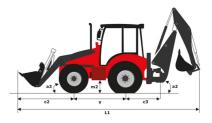
Performance loader

	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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