

Technical sheet :

MBL-X 920 94P ST3

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL X 920 is powered by Tier -II/III engine. The structure of MBL X 920 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	
Wheelbase 2 wheels drive		2185 mm	
Wheelbase 4 wheels drive		2130 mm	
Weight and dimensions			
Unladen weight		7620 kg	
Unladen weight with 4 WD		7620 kg	
Unladen weight with 4 WD 7 in 1		7908 kg	
Overall length	l1	7330 mm	
Overall width	b1	2330 mm	
Overall width with stabilizers extended - Center mount only		3910 mm	
Cabin height	h6	2830 mm	
Height 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	
External turning radius over bucket (braked)	Wa5	5550 mm	
External turning radius over bucket (unbraked)	Wa5	5700 mm	
Standard tires front / rear		12.5 x 18 - 12 PR / 16.9 x 28-12PR	
Optional tires (front / rear)		9 x 16 - 16 PR / 14 x 25 - 20 PR	
Reach at travelling	c2	2098 mm	
Rear axle center to slew center	c3	1293 mm	
Departure angle	a2	20 °	
Angle of Approach	a3	66 °	
Ground clearance	m4	280 mm	
Performances			
Travel speed forward 1st / 2nd		5.40 km/h / 8.60 km/h	
Travel speed forward 3rd / 4th		19.90 km/h / 40 km/h	
Engine			
Engine brand		Perkins	
Engine model		1104D 44T Turbo Charged Water Cooled Tier-III	
Displacement		4.40 l	
Engine power (kW) / Gross Power		70 kW @ 2200 rpm	
Max. torque		395 Nm	
Battery voltage / capacity		12 V / 75 Ah	
Transmission			
Transmission brand		Carrao	
Number of gears (forward / reverse)		4 / 4	
Torque converter stall ratio		3.01:1	
Service brake		Wet disc brakes	
Hydraulics			
Hydraulic flow		142 l/min	
Main relief pressure		225 bar	
Tank capacities			
Hydraulic oil		90 l	
Cooling liquid		16 l	
Fuel		145 l	
Transmission oil		17.50 l	
Engine oil		9.10 l	
Oil rear axle		17.50 l	
Bucket			
Backhoe standard capacity		0.24 m³	
Width backhoe bucket		892 mm	
Loader standard capacity		1 m³	
Width loader bucket		2235 mm	
Miscellaneous			
Power steering		Yes	
Front steer axle of oscillation 2WD		20 °	
Front steer axle of oscillation 4WD		16 °	
Steering wheels (front / rear)		2 / 2	
Cab certification		Cabin ROPS - FOPS level 2	

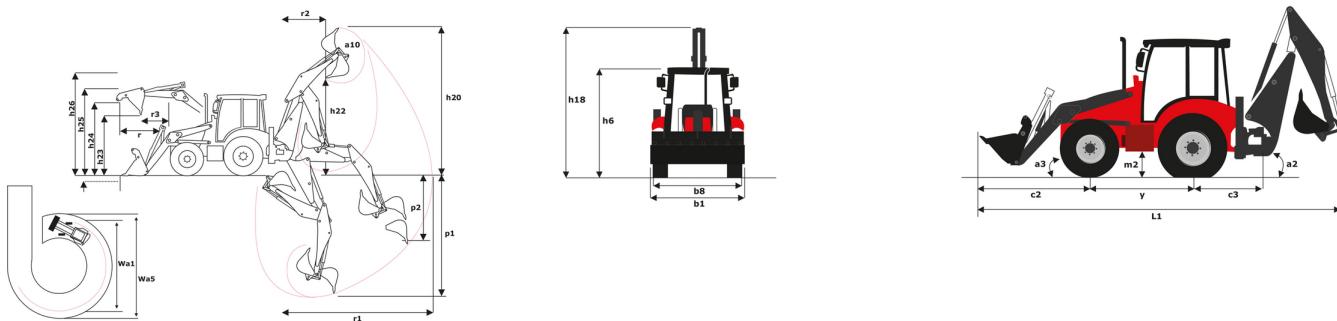
Performance backhoe

	Standard dipper	Extending dipper
	Retracted	Extending
p1 - Max dig depth (mm)	4741	5815
r1 - Max reach ground level to slew center (mm)	5730	7019
r2 - Max loading reach (mm)	1996	4849
Max operating height (mm)	5626	6637
h22 - Max loading height SAE (mm)	-	4531
Max loading height (mm)	3871	4849
p2 - Max straight wall dig depth (mm)	2602	3991
a10 - Max bucket rotation (°)	194	194
Total side shift (mm)	1198	1198
Dipper tearout (kgF)	4336	2644
Bucket tearout (kgF)	5810	5219
Hydraulic lift capacity (kg)	1460	812

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 920 94P ST3 - Dimensional drawing





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