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	
<u> </u>		
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 28-12	<u>'</u> PR
Optional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 P	'R
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	1114 200 111111	
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	19.90 KIII/II / 40 KIII/II	
	Darking	
Engine brand	Perkins	ad Ties III
Engine model	1104D 44T Turbo Charged Water Cool	ea Her-III
Max. capacity	4.40	
Gross Power / Power	70 kW @ 2200 rpm	
Max. torque	395 Nm	
Battery voltage / capacity	12 V / 75 Ah	
Transmission		
Transmission brand	Сапаго	
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	
Liquid cooling tank volume	161	
Fuel tank	145	
Transmission oil	17.50 l	
Engine oil	9.10	
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	ZEOG HIIII	
Power steering	Yes	
Front steer axle of oscillation	2 °	
Front steer axle of oscillation 2WD	20 °	
	20 16 °	
Front steer axle of oscillation 4WD		
Steering wheels (front / rear)	2/2	

Performance backhoe

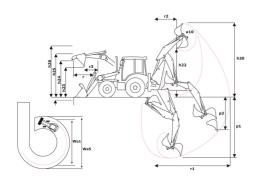
	Standard dipper	Extending dipper
		Retracted
p1 - Max dig depth (mm)	4741	5815
r1 - Max reach ground level to slew center (mm)	5730	7019
r2 - Max loading reach (mm)	1996	4849
Max operating height (mm)	5626	6637
h22 - Max loading height SAE (mm)	-	4531
Max loading height (mm)	3871	4849
p2 - Max straight 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

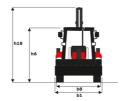
Performance loader

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)	
r - Max reach at full 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)	

Standard shovel		
51		
4230		
2780		
3310		
3570		
1153		
710		
156		
45		
5229		
5312		
3819		

MBL-X 920 94P ST3 - Dimensional drawing











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