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 m	m	
Wheelbase 4 wheels drive	2130 m	m	
Weight and dimensions			
Unladen weight	7620 k	g	
Unladen weight with 4 WD	7620 k		
Unladen weight with 4 WD 7 in 1	7908 k		
Overall length	l1 7330 m		
Overall width	b1 2330 m		
Overall width with stabilizers extended - Center mount only	3910 m		
Cabin height	h6 2830 m		
Height of cab with air conditioning (option)	h6** 2860 m		
Overall height	h17 3790 m		
External turning radius over tyres (braked)	Wa1 3850 m		
External turning radius over tyres (unared)	Wa1 4200 m		
External turning radius over tyres (driblaned)	Wa5 5550 m		
	Wa5 5700 m		
External turning radius over bucket (unbraked) Standard tires front / rear			
	12.5 x 18 - 12 PR / 1		
Optional tyre (front / rear)	9 x 16 - 16 PR / 14		
Reach at travelling	c2 2098 m		
Rear axle center to slew center	c3 1293 m	m	
Departure angle	a2 20 °		
Angle of Approach	a3 66 °		
Ground clearance	m4 280 mr	n	
Performances			
Travel speed forward 1st / 2nd	5.40 km/h / 8.		
Travel speed forward 3rd / 4th	19.90 km/h /	40 km/h	
Engine			
Engine brand	Perkin		
Engine model	1104D 44T Turbo Charged		
Displacement	4.40 I		
Gross Power / Power	70 kW @ 22		
Max. torque	395 Nr	n	
Battery voltage / capacity	12 V / 75	Ah	
Transmission			
Transmission brand	Carrare	0	
Number of gears (forward / reverse)	4 / 4		
Torque converter stall ratio	3.01:1	3.01:1	
Service brake	Wet disc b	rakes	
Hydraulics			
Hydraulic flow	142 l/m	iin	
Main relief pressure	225 ba	ır	
Tank capacities			
Hydraulic oil	90 I		
Liquid cooling tank volume	161		
Fuel tank	145		
Transmission oil	17.50		
Engine oil	9.101		
Oil rear axle	17.50		
Bucket	17.30	· 	
Backhoe standard capacity	0.24 m	3	
Backfloe standard capacity Width backhoe bucket	892 mr		
	692 IIII 1 m³		
Loader standard capacity			
Width loader bucket	2235 m	III	
Miscellaneous			
Power steering	Yes		
Front steer axle of oscillation 2WD		20 °	
Front steer axle of oscillation 4WD	16 °		
Steering wheels (front / rear)	2/2		

### Performance backhoe

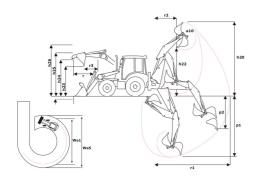
	Standard dipper	Extending dipper	
		Retracted	
p1 - Max dig depth (mm)	4741	5815	
r1 - Max reach ground level to slew center (mm)	5730	7019	
r2 - Max loading reach (mm)	1996	4849	
Max operating height (mm)	5626	6637	
h22 - Max loading height SAE (mm)	-	4531	
Max loading height (mm)	3871	4849	
p2 - Max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

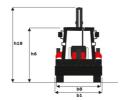
## Performance loader

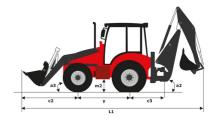
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms breakout (kgF)	
Lifting capacity at full height (kg)	

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

#### MBL-X 920 94P ST3 - Dimensional drawing











#### **Head Office**

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