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	21	85 mm
Wheelbase 4 wheels drive	21	30 mm
Weight and dimensions		
Unladen weight	7	620 kg
Unladen weight with 4 WD		620 kg
Unladen weight with 4 WD 7 in 1	7	908 kg
Overall length		30 mm
Overall width		30 mm
Overall width with stabilizers extended - Center mount only		10 mm
Cabin height		30 mm
Height of cab with air conditioning (option)		60 mm
Overall height		'90 mm
		50 mm
External turning radius over tyres (braked)		
External turning radius over tyres (unbraked)		00 mm
External turning radius over bucket (braked)		50 mm
External tuming radius over bucket (unbraked)		'00 mm
Standard tires front / rear		PR / 16.9 x 28-12PR
Optional tyre (front / rear)		R / 14 x 25 - 20 PR
Reach at travelling		98 mm
Rear axle center to slew center	c3 12	93 mm
Departure angle	a2	20 °
Angle of Approach	a3	66 °
Ground clearance	m4 2	80 mm
Performances		
Travel speed forward 1st / 2nd	5.40 km/	h / 8.60 km/h
Travel speed forward 3rd / 4th	19.90 kr	n/h / 40 km/h
Engine		
Engine brand	F	erkins
Engine model	1104D 44T Turbo Ch	arged Water Cooled Tier-III
Displacement		4.40 I
Gross Power / Power		@ 2200 rpm
Max. torque		95 Nm
Battery voltage / capacity		/ / 75 Ah
Transmission	,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Transmission brand		аггаго
Number of gears (forward / reverse)		4 / 4
Torque converter stall ratio		3.01:1
Service brake		isc brakes
	werd	ISC DIAKES
Hydraulics		0.1/
Hydraulic flow		2 I/min
Main relief pressure	2	25 bar
Tank capacities		
Hydraulic oil		90 I
Liquid cooling tank volume		16 l
Fuel tank		145 l
Transmission oil	1	7.50 I
Engine oil		9.10 l
Oil rear axle		7.50 l
Bucket		
Backhoe standard capacity	0	.24 m³
Width backhoe bucket	8	92 mm
Loader standard capacity		1 m³
Width loader bucket		35 mm
Miscellaneous		
Power steering		Yes
Front steering  Front steer axle of oscillation 2WD		20 °
Front steer axle of oscillation 4WD		16 °
Steering wheels (front / rear)		2/2

## Performance backhoe

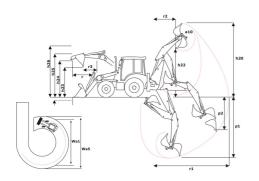
	Standard dipper	Extending dipper
		Retracted
p1 - Max dig depth (mm)	4741	5815
r1 - Max reach ground level to slew center (mm)	5730	7019
r2 - Max loading reach (mm)	1996	4849
Max operating height (mm)	5626	6637
h22 - Max loading height SAE (mm)	-	4531
Max loading height (mm)	3871	4849
p2 - Max straight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

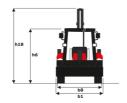
# Performance loader

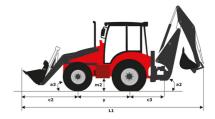
Max dump angle (°)
h26 - Max operating height (loader version) (mm)
h23 - Max dump height at 45° (mm)
h24 - Max loadover height (mm)
h25 - Max hinge pin height (mm)
r3 - Max reach at full height 45° (mm)
p3 - Below ground dig depth (mm)
a13 - Rollback at ground (°)
Shovel breakout (kgf)
Arms breakout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