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.





Witherbane at wheels done		MBL-X 920 94P ST3 Created on May 2, 2024 at 12:57:55 AN
Wheebbase A wheele dole 2730 mm Unifiable world 7200 kg Unifiable world 7200 kg Unifiable world 7200 kg Unifiable world 1 7200 kg Unifiable world 81 7200 kg Unifiable world 81 2330 mm Ownall seeld 81 2330 mm Unable world 86 2330 mm Unified of case with all coordinating (uption) 86 2330 mm Unable world 80 2330 mm Chemal sharing andiate over yees (unitated) 80 5550 mm Chemal sharing andiate over yees (unitated) 80 5550 mm External all main guidate over yees (unitated) 80 5500 mm External all main guidate over yees (unitated) 80 5500 mm External all main guidate over yees (unitated) 80 5200 mm External Author guidate (case) 80 520 mm	Capacities	Metric
Weight and illumination weight with 4 ND Dillumination with 4 ND Dillumination weight with 4 ND Dillumination	Wheelbase 2 wheels drive	2185 mm
100 100	Wheelbase 4 wheels drive	2130 mm
Ublades weight with 470 Din 1 7527 tog 10 Ublades weight with 470 Din 1 7528 tog 10 Post 10 P	Weight and dimensions	
Uniform sequestrated 4.07 in 7908 kg	Unladen weight	7620 kg
1968 1969		
Ownall suith 11 7.330 mm Ownall suith 15 2.230 mm Ownall suith with shallance sciented Cester mount only 16 2.230 mm Stack in Reight 16 2.330 mm Stack in Reight 16 2.330 mm Stack in Reight 16 2.330 mm Commal hamping closs over types (lanket) Wal 3.550 mm Chemal hamping closs over types (lanket) Wal 3.550 mm Chemal hamping closs over types (lanket) Wal 5.550 mm Chemal hamping closs over types (lanket) Wal 5.550 mm Chemal hamping closs over types (lanket) Wal 5.550 mm Chemal hamping closs over types (lanket) Wal 5.550 mm Chemal hamping closs over types (lanket) Wal 5.550 mm Stack close (lanket) 42 2.00 mm Stack close (lanket) <td>Unladen weight with 4 WD 7 in 1</td> <td>7908 kg</td>	Unladen weight with 4 WD 7 in 1	7908 kg
Oward width with stabilizer sciented Center mount only 330 mm Calls heigh! 16 2330 mm Felliphof calls with stabilizer sciented Center mount only 16 2330 mm Central unting natural sciented (with a could normy (opinor) 167 3790 mm Chimad unting natural scienter (with stabilizer) Wal 4200 mm Chimad unting natural scienter (with stabilizer) Wal 4200 mm Chimad unting natural scienter (with stabilizer) Wal 555 mm Chimad unting natural scienter (with stabilizer) Wal 5700 mm Chimad unting natural scienter (with stabilizer) Wal 5700 mm Chimad unting natural scienter (with stabilizer) Wal 25 mm Chimad unting natural scienter (with stabilizer) Wal 25 mm Chimad unting natural scienter (with stabilizer) Wal 25 mm Opinoral (with stabilizer) Wal 20 mm Stabilizer (with stabilizer) Wal		
Cabin height		b1 2330 mm
Calan health ethal of calan white accorditioning (option) 86* 2330 mm Deveal height of cala white accorditioning (option) 86* 2350 mm Deveal height (Calan white accorditioning) 80* 2350 mm External turning radius over types (leaked) Wis 1 355 mm External turning radius over types (leaked) Wis 1 4200 mm External turning radius over types (leaked) Wis 3 535 mm External turning radius over types (leaked) Wis 3 535 mm Standard times (leaked) Wis 3 535 mm 122 mm Black of the turning (leaked) 2 2 20°	Overall width with stabilizers extended - Center mount only	3910 mm
		h6 2830 mm
December	-	
External tuming and over types (Lonked)		
Ethemal tuming radius over freek (ubraked) Wa1 4200 mm External tuming radius over bucket (ubraked) Wa5 5550 mm External tuming radius over bucket (ubraked) Wa5 5550 mm Standard tiese tront/ rear 12.5 x 18 x 12 rs/ 11.6 x 2 2 12 rs/ 15 x 2 2 12		
Erhemat burning radius over bucket (brakes) \$35.00 mm Standard tires front / rear \$35.00 mm Standard tires front / rear \$12.5 x 18 - 12 Fe/t 16 to 2.28		
External tuming addius over bucket (umbacket) Wa5 5700 mm Standard fürer, für Arrai 12.5 18 12 12 8 16 16 28 12 P8 (15 8 28 12 P8) 12.5 18 12 12 8 16 16 12 P8 (15 8 28 12 P8) Opporatur vergeit (rient / rear) g. 2 2.998 mm 12.5 18 12 12 P8 (15 8 28 12 P8) Besch at travelling g. 2 2.998 mm		
Standard size front / rear 12.5 x 18 - 12 PA / 16 h PR / 14 x 25 - 20 PR Optional tyee (front / rear) 2 2 70% mm Reach at travelling a2 20 ° mm Reach at travelling a2 2 20 ° Angle of Approach a3 65 ° Gound clearance n4 280 mm Performances n4 280 mm Performances n4 280 mm Travel speed forward 1st / 2nd 5.40 km/h / 860 km/h Travel speed forward 3st / 4th 19.90 km/h / 40 km/h Engine brand 1040 44T trube Orbaped Water Cooled Tievill Max. capacity 1040 44T trube Orbaped Water Cooled Tievill Max. capacity Gloss Power / Power 70 k Wg 2200 gm 30 km. Max. Longue 70 k Wg 2200 gm 30 km. Baltery voltage / capacity 12 V / 75 Ah 12 V / 75 Ah Transmission brand 9 Carran 4 / 4 3.01-1 Scribec base 9 Carran 4 / 4 3.01-1 Mydraulics 9 Carran 142 L/min Main neiled pressue 15 Carran 15 Carran <t< td=""><td></td><td></td></t<>		
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Departmenaging and play and play and play and play of Approach a3 6.66 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		
Angle of Approach figurant clearance figurant clearance Travel speed forward 1st / Znd Refigine model Figure band Figure Figure band Figure Figure band Figure Figu		
Gund clausance m4 280 mm Travel speed forward 1st / 2nd 5.40 km/h / 8.60 km/h Travel speed forward 3rd / 4th 5.90 km/h / 40 km/h Engine Carrian Engine brand 11040 44T Turbo Charged Water Cooled Tiev Ill Ask. capacity 11040 44T Turbo Charged Water Cooled Tiev Ill Ask. cropacity 70 kwg 2200 pm Max. torque 355 km Battery voltage / capacity 12 V / 75 Ah Transmission brand Carrain Number of gears (floward / reverse) 4 / 4 Conque converter stall ratio 3 0.01:1 Service brake Wet disc brakes Hybritatic flow 142 Vrain Main meller pressure 225 bar Hybritatic flow 142 Vrain Main meller pressure 90 I Hybridatic flow 145 I Tarnamission oil 90 I Liquid cooling ank volume 15 I Hybridatic flow 15 I United tark 15 I Wybridatic flow 15 I 15 I 15 I	· -	
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Tarvel speed forward 1st / 2nd 5.40 km/h / 8.60 km/h Tarvel speed forward 2nd / 4h 19.90 km/h / 40 km/h Engine brand 19.40 km/h / 40 km/h Engine brand 11040 44T Turbox Dender Water Cooled Tierilli Max. capacity 70 kW @ 2200 pm Maxs. Longue 39.58 km Battery Valoage / capacity 12 V/ 75 Ah Transmission brand Carrano Number of gears (forward / reverse) 4 / 4 Tongue converter still ratio 30.11 Service back Wet disc brakes Hydraulic flow 142 Urnin Main neitel pressure 22.5 bar Tank capacities 12 Urnin Hydraulic oil 9.1 Liquid coiling tank volume 9.0 Evel tank 1.51 Tansmission oil 1.51 Engine eil 9.01 Oil tear avice 9.91 Width backhoe bucket 2.25 mm Loader standard capacity 9.24 m² Width backhoe bucket 2.23 mm Width backhoe bucket 2.25 mm Width bac		M4 280 mm
Torvel speed forward 3nd / 4th 19.90 km/h / 40 km/h Engine brand Perkins Engine brand 11040 441 Turbo Charged Water Cooled TierIII Max. capacity 70 kW @ 2200 rpm Max. storque 395 km Battery voltage / capacity 12 V / 75 Ah Transmission Carrano Number of gears (forward / reverse) 4 / 4 Torque converter stall ratio 3.01:1 Service brake Weldisc brakes Hydraulic Well disc brakes Hydraulic flow 12 V/min Main relief pressure 225 bar Tank capacities 90 I Liquid cooling tank volume 16 I Field tank 15 I Transmission oil 15 I Engine cil 17.50 I Biplie cil 9.01 I Under a stale 17.50 I Biplie cil 9.01 I Under a standard capacity 6.24 m² Width backhoe bucket 2.02 m Loaders bandard capacity 2.02 m Width backhoe bucket 2.235 mm <td></td> <td>5.40 km/k, / 0.60 km/k</td>		5.40 km/k, / 0.60 km/k
Engine Perkins Engine band Perkins Engine band 11040 44T Tubo Changed Water Cooled Tierill Max. capacity 4.40 I Gross Power / Power 395 Nm Battery voltage / capacity 12 V / 75 Ah Transmission Carraro Transmission brand Carraro Number of gears (forward / reverse) 4 / 4 Corque converter stall ratio Wet disc brakes Service brake Wet disc brakes Hydraulics Wet disc brakes Hydraulics Wet disc brakes Hydraulic flow 142 // Irin Main relief pressure 225 bar Tank capacities 90 I Liquid cooling tank volume 16 I Fuel tank 145 I Transmission oil 17.50 I Engine oil 17.50 I Busket 20.24 m² Backhoe standard capacity 2.24 m² Width backhoe bucket 2.235 mm Width backnoe bucket 2.235 mm Width claser standard capacity 2.25 mm	•	
Engine brand Perkins Engine model 11040 44T Urboo Charged Water Cooled Tierlill Max. capacity Gross Power / Power 70 kW @ 2200 rpm Max. capacity 355 km Battery voltage / capacity 12 V / 75 Ah Transmission brand Carrano Number of gears (forward / reverse) 4 / 4 Tongue converter stall ratio 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	·	19.90 km/h / 40 km/h
Engine model 1104D 44T Turbo Charged Water Cooled TierIlli Max. capacity 70 kW @ 2200 pm Max. torque 395 km Battery Voltage / capacity 12 V / 75 Ah Transmission 12 V / 75 Ah Transmission brand Carraro Number of gears (forward / reverse) 4 / 4 Torque conventer stall ratio 3.01:1 Service brake Wet disc brakes Hydraulies Wet disc brakes Hydraulies (flow 142 l/min Main relief pressure 255 bar Tank capacities 90 l Hydraulies (all cooling tank volume 161 Liquid cooling tank volume 155 l Engine oil 17.50 l Engine oil 17.50 l Engine oil 9.11 l Uit are axie 82 mm Backhoe bucket 82 mm Loader standard capacity 82 mm Width backhoe bucket 223 mm Loader standard capacity 223 mm Width backnowled 2235 mm Front steer axie of oscillation 4WD		
Max. capacity 4.401 Gross Power / Power 70 kW @ 2200 rpm Max. toque 3895 Nm Battery voltage / capacity 12 V / 75 Ah Transmission ————————————————————————————————————	•	
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Transmission brand Carrano Number of gears (forward / reverse) 4 / 4 Torque convetre stall ratio 3.01:1 Service brake Wet disc brakes Hydraulics 142 l/min Hydraulic flow 225 bar Tank capacities 90 l Hydraulic oil 90 l Liquid cooling tank volume 161 Liquid cooling tank volume 145 l Englie oil 17.50 l Gli rear axle 17.50 l Backhoe standard capacity 9.10 l Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width backhoe bucket 892 mm Loader standard capacity 2235 mm Width backhoe bucket 2235 mm Midth collabor 2235 mm Power steering Yes Front steer axle of oscillation AWD 20° Front steer axle of oscillation AWD 16°	•	
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Number of gears (forward / reverse) 4 / 4 Torque converter stall ratio 3.01:1 Service brake Wet disc brakes Hydraulic flow 142 l/min Main relief pressure 225 bar Tank capacities 90 l Liquid cooling tank volume 16 l Fuel tank 145 l Transmission oil 17.50 l Engine oil 19.10 l Oil rear axle 17.50 l Backhe standard capacity 89 mm Uadder standard capacity 892 mm Width backhee bucket 2235 mm Uidth loader bucket 2235 mm Miscellaneous Yes Power steering Yes Front steer axle of oscillation 2W0 20° Front steer axle of oscillation 4W0 16°		
Torque converter stall ratio 3.01:1 Sevice brake Wet disc brakes Hydraulics 142 L/min Main relief pressure 225 bar Tank capacities 901 Hydraulic oil 901 Liquid cooling tank volume 16 I Fuel tank 145 I Transmission oil 17.50 I Engine oil 9.10 I Oil rear axle 9.10 I Backhoe standard capacity 9.2 mm Uadder standard capacity 892 mm Uadder standard capacity 1 m² Width loader bucket 892 mm Uadder standard capacity 1 m² Width loader bucket 22235 mm Power steering Yes Front steer axle of oscillation 2 ° Front steer axle of oscillation 2 ° Front steer axle of oscillation AWD 16 °		
Service brake Wet disc brakes Hydraulics 142 l/min Main relief pressure 225 bar Tank capacities 90 l Hydraulic oil 90 l Liquid cooling tank volume 16 l Fuel tank 145 l Transmission oil 17.50 l Engine oil 9.10 l Oil rear axle 17.50 l Bucket 30 mm Backhoe standard capacity 20 mm Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width loader bucket 2235 mm Miscellaneous 2235 mm Power steering Yes Front steer axle of oscillation 2 ° Front steer axle of oscillation 2WD 20 ° Front steer axle of oscillation AWD 16 °		
Hydraulics 142 l/min Main relief pressure 225 bar Tank capacities 90 l Uciquid cooling tank volume 16 l Fuel tank 145 l Transmission oil 17.50 l Engine oil 9.10 l Oil rear axle 17.50 l Bucket 9.10 l Backhoe standard capacity 0.24 m³ Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width loader bucket 2235 mm Miscellaneous Yes Power steering Yes Front steer axle of oscillation 2WD 2° Front steer axle of oscillation 2WD 20° Front steer axle of oscillation 4WD 16°	·	
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Engine oil 9.10 I Oil rear axle 17.50 I Bucket ————————————————————————————————————		
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Bucket Backhoe standard capacity 0.24 m³ Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width loader bucket 2235 mm Miscellaneous Yes Front steer axle of oscillation 2° Front steer axle of oscillation 2WD 20° Front steer axle of oscillation 4WD 16°	Engine oil	
Backhoe standard capacity 0.24 m³ Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width loader bucket 2235 mm Miscellaneous Yes Front steer axle of oscillation 2° Front steer axle of oscillation 2WD 20° Front steer axle of oscillation 4WD 16°	Oil rear axle	17.50 l
Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width loader bucket 2235 mm Miscellaneous Use the steering Front steer axle of oscillation 2° Front steer axle of oscillation 2WD 20° Front steer axle of oscillation 4WD 16°	Bucket	
Loader standard capacity1 m³Width loader bucket2235 mmMiscellaneousUser steeringPower steeringYesFront steer axle of oscillation2°Front steer axle of oscillation 2WD20°Front steer axle of oscillation 4WD16°	Backhoe standard capacity	0.24 m³
Width loader bucket Miscellaneous Power steering Front steer axle of oscillation 2WD Front steer axle of oscillation 4WD Front steer axle of oscillation 4WD 2235 mm Yes Yes 2 ° 20 ° 16 °	Width backhoe bucket	892 mm
Miscellaneous Power steering Yes Front steer axle of oscillation 2° Front steer axle of oscillation 2WD 20° Front steer axle of oscillation 4WD 16°	Loader standard capacity	1 m³
Power steeringYesFront steer axle of oscillation2°Front steer axle of oscillation 2WD20°Front steer axle of oscillation 4WD16°	Width loader bucket	2235 mm
Front steer axle of oscillation 2 ° Front steer axle of oscillation 2WD 20 ° Front steer axle of oscillation 4WD 16 °	Miscellaneous	
Front steer axle of oscillation 2WD Front steer axle of oscillation 4WD 20 ° 16 °	Power steering	Yes
Front steer axle of oscillation 4WD 16 °	Front steer axle of oscillation	2°
Front steer axle of oscillation 4WD 16 °	Front steer axle of oscillation 2WD	20 °
	Front steer axle of oscillation 4WD	
	Steering wheels (front / rear)	

Performance backhoe

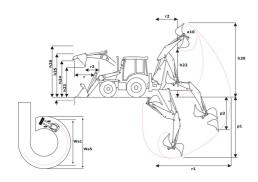
	One Lab Page	Extending dipper
	Standard dipper	Retracted
p1 - Max dig depth (mm)	4741	5815
r1 - Max reach ground level to slew center (mm)	5730	7019
r2 - Max loading reach (mm)	1996	4849
Max operating height (mm)	5626	6637
h22 - Max loading height SAE (mm)	-	4531
Max loading height (mm)	3871	4849
p2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

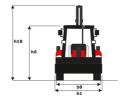
Performance loader

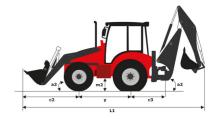
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r - Max reach at full height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
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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MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes