Technical sheet:

# MBL-X 920 92P ST2

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.





		MBL-X 920 92P ST2 Created on 16 May	2024 at 11:23:49 PM U
Witherbase A wheele dow	Capacities		Metric
	Wheelbase 2 wheels drive		2185 mm
Indication weight with 4 NO   Indication weight with 1 NO   Indication weight weight with 1 NO   Indication weight with 1 NO   Indication weight	Wheelbase 4 wheels drive		2130 mm
Indided weight with 4 WO // in	Neight and dimensions		
Indided weight with 4 WO // in			7620 kg
miletien weight with 4 W D Z in 1   miletien weight with 4 W D Z in 1   7,000 kg inhibited weight with 4 W D Z in 1   7,200 mm   7,000 kg inhibited weight with stabilizers extended - Center mount only   3910 mm   3			
Insidem weight AWD - Side shift         7.20 kg           Posted langth         11         7.330 mm           Posted langth         b1         2.330 mm           Posted langth         b1         2.330 mm           Leight of Le			
New Ball width   Note   1988			
Seal brieght   Seal		l1	
salah helight         h6         2.830 mm           seleph of cab with air conditioning (option)         h6***         2.850 mm           seteral tuning radius over types (praked)         Wa1         3.950 mm           stemal tuning radius over types (praked)         Wa1         4.200 mm           stemal tuning radius over brocket (praked)         Wa5         5.550 mm           stemal tuning radius over brocket (praked)         Wa5         5.550 mm           stemal tuning radius over brocket (praked)         Wa5         5.550 mm           stemal tuning radius over brocket (praked)         Wa5         5.550 mm           stemal tuning radius over brocket (praked)         Wa5         5.500 mm           stemal tuning radius over brocket (praked)         Wa5         5.550 mm           stemal tuning radius over brocket (praked)         Wa5         5.550 mm           stemal tuning radius over brocket (praked)         Wa5         5.500 mm           stemal tuning radius over brocket (praked)         Wa5         5.500 mm           stemal tuning radius over brocket (praked)         Ma6         1.200 mm           stemal tuning radius over brocket (praked)         5.40 km/h 1.80 km/h         4.00 km/h           stemal tuning radius over brocket (praked)         6.55.50 km/h         4.00 km/h           stem cont		b1	2330 mm
	Overall width with stabilizers extended - Center mount only		3910 mm
Nearl Ineight   117   3790 mm   117   3790 m	Cabin height	h6	2830 mm
Nearl Ineight   117   3790 mm   117   3790 m	leight of cab with air conditioning (option)	h6**	2860 mm
zitemal luming andius over types (unbraked)         Wal 1         3850 mm           zitemal luming andius over types (unbraked)         Wal 2         4200 mm           zitemal luming andius over bucket (inbraked)         Wal 5         5550 mm           zitemal luming andius over bucket (inbraked)         Wal 5         5550 mm           zitemal luming andius over bucket (inbraked)         Wal 5         7500 mm           sandardd fires front / rear         In 15 km 1 - 12 km / 16 x 2-3 12 km         20 20 mm           polinonal lyer (front / rear)         m4         220 0 mm           verificationses         m4         220 0 mm           rearl speed forward 1st / 2nd         5.40 km/h / 8.60 km/h         1900 km/h / 60 km/h           ravel speed forward 1st / 2nd         5.40 km/h / 8.60 km/h         1900 km/h / 60 km/h           ravel speed forward 1st / 2nd         10 40 km/h / 8.60 km/h         1900 km/h / 60 km/h           ravel speed forward 1st / 2nd         10 40 km/h / 8.60 km/h         1900 km/h / 60 km/h           ravel speed forward 1st / 2nd         10 40 km/h / 8.60 km/h         10 40 km/h / 8.60 km/h           ravel speed forward 1st / 2nd         4.40         10 40 km/h / 8.60 km/h         10 40 km/h / 8.60 km/h           ravel speed forward 1st / 2nd         4.40         4.40         4.40         10 2 km/h         10			3790 mm
xitemal tuning andius over three (unbasket)         Wal         4200 mm           xitemal tuning andius over bucket (unbasket)         Wa5         5550 mm           xitemal tuning andius over bucket (unbasket)         Wa5         5550 mm           xitemal tuning andius over bucket (unbasket)         Wa5         5700 mm           xitemal tuning andius over bucket (unbasket)         \$ 25.7 to 3.12 kP (7.6 % x 28-12 kP)           y 10 following (with real)         \$ 200 mm         \$ 200 mm           y 20 found lyes (from Accessed)         m4         200 mm           y 20 found lyes (from Accessed)         \$ 4.0 km/h / 8.60 km/h         1990 km/h / 40 km/h           xive speed forward 1st / 2nd         \$ 4.0 km/h / 8.60 km/h         1990 km/h / 40 km/h           xive speed forward 1st / 2nd         \$ 4.0 km/h / 8.60 km/h         1990 km/h / 40 km/h           xive speed forward 1st / 2nd         \$ 5.40 km/h / 8.60 km/h         1990 km/h / 40 km/h           xive speed forward 1st / 2nd         \$ 5.40 km/h / 8.60 km/h         1990 km/h / 40 km/h         1990 km/h / 40 km/h         1990 km/h / 40 km/h         1990 km/h         44 km/h         44 l         44 l         44 l         41 l         42			3850 mm
xitemal turning radius over bucket (mbraked)         Wa5         5550 mm           xitemal turning radius over bucket (mbraked)         Wa5         5550 mm           xitemal turning radius over bucket (mbraked)         Ya 16 - 18 Pt. 14 x 25 - 20 Pt.           remained titus front / rear?         y 16 - 16 Pt. 14 x 25 - 20 Pt.           plound pleamed         m4         280 mm           verificances         m4         280 mm           towel speed floward 1st / 2nd         5.40 km/h / 8.60 km/h           single band         9 Pekrins           single band         9 Pekrins           single band         9 Pekrins           single band         1104C 44T Tubo Chaped Water Cooled Tierl face, capacity         4.40 Interest of the capacity           sins. Sopuer         Power         8.850 kW @ 2200 pm           six. Loque         3.95 kW         22V 75 A.h           sinsmission band         12 V 75 A.h         12 V 75 A.h           sinsmission band         Wet disc bakes         Wet disc bakes           sylpholic Strain         9 Vet disc bakes         14 J 4           single piessee         142 Umin           state yet yet and yet are a single piessee         12 V 75 S Interest           single piessee         12 V 75 S Interest           single piessee			4200 mm
zixemal tuming andius over bucket (unbraked)         W85         5,700 mm           zizenda front / near         12.5 x 18.12 PM, 716 y 28.12 PM,			5550 mm
tandand lise front / rear         12.5 x 18.1-2 FP, /16.9 x 28-12 FP, principle (front / rear)         9 x 16-16 FP, /14 x 25-12 FP, principle (front / rear)         9 x 16-16 FP, /14 x 25-12 FP, principle (front / rear)         9 x 16-16 FP, /14 x 25-12 FP, principle (front / rear)         280 mm           wind olesance         m4         280 mm         280 mm           was la speed forward 13rl / Jul         19.90 km/h / 40 km/h         19.90 km/h / 40 km/h         19.90 km/h / 40 km/h           rapine brand         1104C 44T Tubo Changed Water Cooled Tierlakar, capacity         4.40 lies (August of August o			
Syx 16 - 16 PP, 14 x 25 - 20 PR   14 x 25 - 2			
Strout clearance   m4   280 mm   m4   280 mm   m4   280 mm   m4   280 mm   m4   m4   m4   m4   m4   m4   m4			
Performances         S.40 km/h / 8.60 km/h           travel speed forward 1st / 2nd         5.40 km/h / 8.60 km/h           single brand         19.90 km/h / 40 km/h           ingine brand         1104C 44T Turbo Charged Water Cooled Tierl           dax. capacity         68.50 kW @ 2200 rpm           dax. torque         68.50 kW @ 2200 rpm           dax. torque         395 km           statery voltage / capacity         68.50 kW @ 2200 rpm           fransmission brand         Carrato           fumber of gears (forward / reverse)         4 / 4           formular of gears (forward / reverse)         3.01:1           feerice brake         Wet disc brakes           fydraulic flow         142 l/min           dain relief pressure         225 bar           fax ke capacites         90 I           fydraulic oil         90 I           liquid cooling tank volume         16 I           liquid acoling tank volume         17.50 I           liquid tank         91 I           sackete         17.50 I           sackete         17.50 I           sackete         17.50 I           sackete         10 I ard           sackete standard capacity         1 m²           Width backhoe bucket </td <td></td> <td></td> <td></td>			
Tarwel speed forward 3rd / 4th   19.90 km/h / 40 km/h   200 rm			
ravel speed forward 3rd / 4th         19.90 km/h / 40 km/h           ingine         Perkins           ingine brand         1104C 44T Turbo Charged Water Cooled Tierl Axa. capacity         4.401           faxs. Forque         68.50 kW @ 2200 rpm           faxs. torque         395 km           statery voltage / capacity         12 V / 75 Ah           fransmission brand         Cantalo           forgue converter stall ratio         3.01:1           tenche brake         Wet disc brakes           vydraulics         Wet disc brakes           vydraulics         225 bar           sink capacities         90 1           singline oil         90 1           ingline oil         90 1           ingline oil         17.50 1           ingline oil         9,10 1           ingline oil         9,24 m²           ingline oil         9,24 m²           ingline oil         9,24 m² <td>ravel speed forward 1st / 2nd</td> <td>5.40</td> <td>km/h / 8.60 km/h</td>	ravel speed forward 1st / 2nd	5.40	km/h / 8.60 km/h
Engine         Perkins           Ingine brand         Perkins           Ingine brand         1104C 44T Turbo Charged Water Cooled Tierl           Max. capacity         4.40 I           Ges New (Power)         68.50 kW @ 2200 pm           Max. torque         395 km           State you tage / capacity         12 V / 75 Ah           Fransmission         Carraro           Author of gears (forward / reverse)         4 / 4           Group converter stall ratio         3.01:1           Service brake         Wet disc brakes           Sydraulies         4           Hydraulies         225 bar           Fank epaperities         30!           I quid cooling tank volume         90!           Liquid cooling tank volume         16!           Evel tank         15!           I rasmission oil         17.50!           Ingrine oil         9.10!           Dil tear axle         17.50!           Bucket         9.24 m²           Midth backboe bucket         9.22 mm           Coader standard capacity         9.23 mm           Width loader bucket         2.225 mm           Wiscellinaeous         1 m²           Vower steering         9.02 mm		19.9	0 km/h / 40 km/h
Perkins   Per			
Engine model         1104C 44T Turbo Charged Water Cooled Tierd Wax. capacity         4.40 I STORAGE WAX. Cooled Tierd Wax. Capacity         68.50 kW @ 2200 rpm           Max. Longue         395 km           Soles Power ( Power         395 km           Water ( Power)         12 V / 75 Ah           Transmission         Carraro           Number of gears ( forward / reverse)         4 / 4           Forque converter stall ratio         3.01:1           Service brake         Wet disc brakes           Hydraulics         Wet disc brakes           Hydraulic flow         142 l/min           Main relief pressure         225 bar           Fank capacities         90 l           Liquid cooling tank volume         161           Liquid coiling tank volume         151           Transmission oil         17.50 l           Engine oil         9.10 l           Dil rear akle         17.50 l           Bucket         892 mm           Backhoe standard capacity         892 mm           Midth backrobe bucket         2235 mm           Miscellaneous         1 m²           Wild brackrobe bucket         2235 mm           Miscellaneous         2235 mm			Perkins
Max. capacity         4.40 I           Sines Power / Power         68.50 kW @ 2200 nm           Abax. torque         395 Nm           Statery voltage / capacity         12 V / 75 Ah           Ifansmission         Carrano           Vumber of gears (forward / reverse)         4 / 4           Conque converter stall ratio         3.01:1           Service brake         Wet disc brakes           Hydraulic flow         142 l/min           Waln relief pressure         225 bar           Andk capacities         90 I           Hydraulic oil         90 I           Liquid coling tank volume         16 I           Liquid coling tank volume         15 I           Live tank         17.50 I           Dire ear akl         17.50 I           Dire ear akl         9.10 I           Dire ear akl         9.10 I           Dire ear akl         9.24 m³           Width backhoe bucket         82 mm           Adderbucket         2235 mm           Miscellaneous         1 m²           Width loader bucket         2235 mm           Hisselineous         1 m²           Width loader bucket         2235 mm	•	1104C 44T Turbo	Charged Water Cooled Tier-II
Max. torque         395 Nm           Satery voltage / capacity         12 V / 75 Ah           Transmission         Cararo           Number of gears (forward / reverse)         4 / 4           Conque converter stall ratio         3.01:1           Service brake         Wet disc brakes           Hydraulic flow         142 l/min           Wain relief pressure         255 bar           Forak capacities         90 l           Hydraulic oil         90 l           Liquid cooling tank volume         16 l           Liquid cooling tank volume         17.50 l           Engine oil         9.10 l           Dil rear axle         17.50 l           Bucket         9.10 l           Sackhoe standard capacity         0.24 m²           Width backhoe bucket         892 mm           Loader standard capacity         1 m²           Width backhoe bucket         2235 mm           Loader standard capacity         1 m²           Width backhoe bucket         2235 mm           Loader standard capacity         1 m²           Width backhoe bucket         2235 mm           Loader standard capacity         1 m²           Width backhoe standard capacity         1 m²			
Max. torque         395 Nm           Satery voltage / capacity         12 V / 75 Ah           Transmission         Cararo           Number of gears (forward / reverse)         4 / 4           Conque converter stall ratio         3.01:1           Service brake         Wet disc brakes           Hydraulic flow         142 l/min           Wain relief pressure         255 bar           Forak capacities         90 l           Hydraulic oil         90 l           Liquid cooling tank volume         16 l           Liquid cooling tank volume         17.50 l           Engine oil         9.10 l           Dil rear axle         17.50 l           Bucket         9.10 l           Sackhoe standard capacity         0.24 m²           Width backhoe bucket         892 mm           Loader standard capacity         1 m²           Width backhoe bucket         2235 mm           Loader standard capacity         1 m²           Width backhoe bucket         2235 mm           Loader standard capacity         1 m²           Width backhoe bucket         2235 mm           Loader standard capacity         1 m²           Width backhoe standard capacity         1 m²		68.5	0 kW @ 2200 rpm
Sate by Voltage / Capacity   12 V / 75 Ah   12 V / 75 Ah   13 V / 75 Ah   13 V / 75 Ah   14 V	Max. torque		
Fransmission brand         Carraro           Number of gears (forward / reverse)         4 / 4           Origone conveter stall ratio         3.01:1           Service brake         Wet disc brakes           Hydraulics         Wet disc brakes           Hydraulic flow         142 l/min           Admin relief pressure         225 bar           And capacities         90 l           Hydraulic oil         90 l           Liquid coling tank volume         16 l           Evel tank         145 l           Erransmission oil         17,50 l           Engline oil         9,10 l           Engline oil         9,24 m²           Width backhoe bucket         897 mm           Loader standard capacity         1 m³           Width loader bucket         2235 mm           Width scellanceus         2235 mm           Fower steering         Yes           Fower steering         2 c			
Aumber of gears (forward / reverse)       4 / 4         Forque converter stall ratio       3.01:1         Service brake       Wet disc brakes         Hydraulics       142 l/min         Main relief pressure       225 bar         Format capacities       90 l         Hydraulic oil       90 l         Liquid cooling tank volume       16 l         Liquid cooling tank volume       17.50 l         Linguission oil       17.50 l         Linguine oil       9.10 l         Stocket       3.10 l         Stocket       892 mm         Vidith backhoe bucket       892 mm         Loader standard capacity       0.24 m³         Width loader bucket       892 mm         Width loader bucket       2235 mm         Width collareous       Yes         Forwer steering       Yes         Format steer axle of oscillation       2°			
Forque convertes stall ratio         3.01:1           Service brake         Wet disc brakes           Hydraulics         142 l/min           Adviance lief pressure         225 bar           Adviance lief pressure         90 l           Adviance lief pressure         16 l           Adviance lief pressure         90 l           Adviance lief pressure         16 l           Adviance lief pressure         16 l           Adviance lief pressure         16 l           Adviance lief pressure         17.50 l           Adviance lief pressure         90 l           Adviance lief pressure         16 l           Adviance lief pressure         17.50 l           Adviance lief pressure         90 l           Adviance lief pressure         17.50 l           Adviance lief pressure         90 l           Adviance lief pressure         91 l	Fransmission brand		Саггаго
Forque converter stall ratio         3.01:1           Service brake         Wet disc brakes           Lydraulics         142 l/min           Lydraulic flow         225 bar           Lydraulic pressure         90 l           Lydraulic oil         90 l           Lydraulic oil         16 l           Lydraulic oil         15 l           Lydraulic oil         90 l           Lydraulic oil         15 l           Lydraulic oil         90 l           Lydraulic oil         15 l           Lydraulic oil         90 l	Number of gears (forward / reverse)		4 / 4
Service brake         Wet disc brakes           Hydraulics         142 l/min           Water persone         225 bar           Frank Capacities         90 l           Hydraulic oil         90 l           Liquid cooling tank volume         16 l           Fuel tank         155 l           reasmission oil         17.50 l           singine oil         9.10 l           bit rear axle         9.10 l           sackhoe standard capacity         0.24 m³           Width backhoe bucket         892 mm           coader standard capacity         1 m³           Width loader bucket         2235 mm           Width loader bucket         2235 mm           Width loader bucket         Yes           Sower steering         Yes           Fower steering         Yes           Fower steering         Yes           Fower steering         2 m²           Fower steering         Yes			3.01:1
Adjustified flow         142 l/min           Main relief pressure         225 bar           Fank capacities         90 l           Hydraulic oil         90 l           Liquid cooling tank volume         16 l           Fuel tank         145 l           Fransmission oil         17.50 l           Engine oil         9.10 l           Dil rear axle         17.50 l           Bucket         17.50 l           Backhoe standard capacity         0.24 m³           Width backhoe bucket         892 mm           oader standard capacity         1 m³           Width loader bucket         2235 mm           Width loader bucket         2235 mm           Power steering         Yes           Front steer axle of oscillation         2°		W	et disc brakes
Adjustion flow         142 l/min           Adjustion relief pressure         225 bar           Fank capacities         90 l           Adjustion flow         90 l           Liquid cooling tank volume         16 l           Equit tank         145 l           Erransmission oil         17.50 l           Engine oil         9.10 l           Dil rear axle         17.50 l           Backhoe standard capacity         0.24 m³           Width backhoe bucket         892 mm           Width loader bucket         2235 mm           Wiscellaneous         Yes           Fower steering         Yes           Erront steer axle of oscillation         2°	lydraulics		
Fank capacities         90 l           Hydraulic oil         90 l           Eduction of the color of the co			142 l/min
Fank capacities         90 l           Hydraulic oil         90 l           Euclid cooling tank volume         16 l           Euclid tank         145 l           Fransmission oil         17.50 l           Engine oil         9.10 l           Dil rear axle         17.50 l           Backhoe         17.50 l           Backhoe standard capacity         0.24 m³           Width backhoe bucket         892 mm           Loader standard capacity         1 m³           Width loader bucket         2235 mm           Wiscellaneous         Yes           Power steering         Yes           Front steer axle of oscillation         2 °	•		
Aydraulic oil         90 l           Liquid cooling tank volume         16 l           Eucli tank         145 l           Fransmission oil         17.50 l           Engine oil         9.10 l           Dil rear axle         17.50 l           Backhoe         17.50 l           Backhoe standard capacity         0.24 m³           Width backhoe bucket         892 mm           Loader standard capacity         1 m³           Width loader bucket         2235 mm           Wiscellaneous         Yes           Front steer axle of oscillation         2 °			
Liquid cooling tank volume     16 I       Fuel tank     145 I       Fransmission oil     17.50 I       Engine oil     9.10 I       Dil rear axle     17.50 I       Backhoe standard capacity     0.24 m³       Width backhoe bucket     892 mm       Loader standard capacity     1 m³       Width loader bucket     2235 mm       Wiscellaneous     Yes       Fornt steer axle of oscillation     2 °			90 I
Fuel tank     145 I       Fransmission oil     17.50 I       Engine oil     9.10 I       Dil rear axle     17.50 I       Backhoe standard capacity     0.24 m³       Width backhoe bucket     892 mm       Loader standard capacity     1 m³       Width loader bucket     2235 mm       Wiscellaneous     Yes       Front steer axle of oscillation     2 °			16 l
Fransmission oil       17.50 l         Engine oil       9.10 l         Dil rear axle       17.50 l         Bucket       80 ckhoe standard capacity         Width backhoe bucket       892 mm         Loader standard capacity       1 m³         Width loader bucket       2235 mm         Wiscellaneous       Yes         Front steer axle of oscillation       2 °			145 I
9.10   1.00			
Dil rear axle       17.50 l         Bucket       0.24 m³         Backhoe standard capacity       0.24 m³         Width backhoe bucket       892 mm         Loader standard capacity       1 m³         Width loader bucket       2235 mm         Wiscellaneous       Yes         Front steer axle of oscillation       2 °			
Sucket  Sackhoe standard capacity  Vidth backhoe bucket  Loader standard capacity  Vidth loader bucket  Sackhoe standard capacity  Yes  Front steer axle of oscillation	•		
Width backhoe bucket 892 mm Loader standard capacity 1 m³ Width loader bucket 2235 mm Wiscellaneous Power steering Yes Front steer axle of oscillation 2 °			
Vidith backhoe bucket 892 mm Loader standard capacity 1 m³ Vidith loader bucket 2235 mm  Viscellaneous Vower steering Yes Front steer axle of oscillation 2 **			0.24 m³
20 der standard capacity  Width loader bucket  Wiscellaneous  Power steering Front steer axle of oscillation  1 m³ 2235 mm  Yes 2 *			
Width loader bucket  Miscellaneous  Power steering Front steer axle of oscillation  2235 mm  Yes  Yes			
Miscellaneous  Power steering Front steer axle of oscillation  Yes  2 °	, ,		
Power steering Yes Front steer axle of oscillation 2 °			
ront steer axle of oscillation 2 °			Yes

### Performance backhoe

p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic lift capacity (kg)	

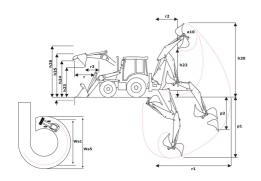
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460
1460

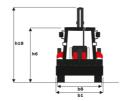
## Performance loader

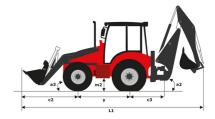
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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

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

## MBL-X 920 92P ST2 - Dimensional drawing











#### **Head Office**

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