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.





Peebbase 4 wheels drive   2188 mm   Peebbase 4 wheels drive   2188 mm   21			ted on May 17, 2024 at 7:02:44 AM L
Part	Capacities		
1466	Nheelbase 4 wheels drive		2130 mm
1   1   1   1   1   1   1   1   1   1	Veight and dimensions		
1   1988 to general stands   1   1   1   2330 mm   1   1   1   2330 mm	Inladen weight		
1	Inladen weight with 4 WD		7620 kg
1   230 mm   2	Inladen weight with 4 WD 7 in 1		
	Inladen weight 4WD - Side shift		7620 kg
	verall length		
sight of cash with air conditioning (option)         16         233d mm           selected of cash with air conditioning (option)         16*         236d mm           selected of cash with air conditioning (option)         16*         236d mm           selected of cash with air conditioning (option)         17         3790 mm           selected (bushed)         Wa1         3550 mm           strend luming radius over bushed (bushed)         Wa5         5550 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend luming radius over bushed (bushed)         Wa5         5500 mm           strend radius radius (bushed)         S40 km/h / 8.60 km/h         19.00 km/h / 8.60 km/h           strend radius radius (bushed)         1104 C41 Tusho Changed West Cooled Ties as a selected flowed as a selected flowed research (bushed)         12 V / 75 Ah           strend radius radius (bushed)         12 V / 75 Ah	verall width	b1	2330 mm
Personal with air conditioning (option)   h6**   2860 mm	verall width with stabilizers extended - Center mount only		3910 mm
weath lamight         in 17         3790 mm           cternal turning radius over tynes (chacked)         Wal 1         3850 mm           cternal turning radius over tynes (chroked)         Wal 5         5550 mm           cternal turning radius over tynes (chroked)         Wal 5         5550 mm           anardard tiers front / rear         12 x 18 - 12 RP. (1.9 x 28 - 12 R	abin height		2830 mm
teenal furning radius over tyres (unbraked)         Wal 1         4200 mm           teenal furning radius over tyres (unbraked)         Wal 5         5550 mm           teenal furning radius over bucket (nubraked)         Wal 5         5700 mm           and radiud tiers front / tear         12.28.18 - 12.28 - 12.28.18 -	eight of cab with air conditioning (option)	h6**	2860 mm
cternal burning radius over tyres (unbacked)         Wa1         4.200 mm           cternal burning radius over bucket (braked)         Wa5         5550 mm           anadard tires front / rear         Wa5         5700 mm           formational flyer (front / rear)         12.5 x 18 - 12 PR / 16.9 x 28-12 PR           guide clearance         m4         280 mm           ared speed forward 1st / 2nd         \$4.0 km/h / 8.60 km/h           and speed forward 1st / 2nd         \$5.40 km/h / 8.60 km/h           and speed forward 1st / 2nd         \$5.40 km/h / 8.60 km/h           and speed forward 1st / 2nd         \$5.40 km/h / 8.60 km/h           and speed forward 3rd / 4th         19.90 km/h / 48 km/h           type         19.90 km/h / 48 km/h           type         19.90 km/h / 48 km/h           type         4.01           type	verall height	h17	3790 mm
cleanal tuming radius over bucket (binkaket)         Wa5         5550 mm           cleanal tuming radius over bucket (binkaket)         7700 mm           plional type (front / rear)         12.5 x 18 - 12 RP. 17 feb x 28 12 PR           polional type (front / rear)         9 x 16 - 15 PR. 17 4 x 25 - 20 PR           und decisione         m4         280 mm           and subjected forward 1st / 2nd         5.40 km/h 260 km/h         19.00 km/h 460 km/h           subjected forward 1st / 2nd         5.40 km/h 260 km/h         19.00 km/h 460 km/h           righe brand         Perkins         1104C 44T tutho Charged Water Cooled Tier         4.01 km/h 40 km/h           righe brand         9 x 50 km/h 260 km/h         39.50 km/h 46 km/h         19.00 km/h 40 km/h           righe brand         Perkins         1104C 44T tutho Charged Water Cooled Tier         4.01 km/h 40 km/h         10.00 km/h 40 km/h	xternal turning radius over tyres (braked)	Wa1	3850 mm
teenal turning andius over bucket (urbaked)         W5         \$700 mm           anaload intes (not / rear)         12.5 x 18 - 12 PR / 16 p x 28 12 PR           plonal tyne (front / ear)         9 x 16 - 16 PR / 14 x 25 - 20 PR           pround clearance         m4         280 mm           avel speed forward 1st / 2nd         5.40 km/h / 8.60 km/h           avel speed forward 3 rd / 4th         19.90 km/h / 40 km/h           gine         Perkins           appine model         1104C 44T Turbo Charged Water Cooled Tier 4.40 li           ax. capacity         4.40 li           ax. brouge         8.85 kW @ 2200 pm           ax. brouge         9.85 kW @ 2200 pm           axis brouge converter stall ratio         12 V / 75 Ah           avel peers (forward / reverse)         3.00 in           avel pressure         2.00 pm           avel class (forward / reverse)         4 / 4           gradualic flow         142 l/rmin           ain relation         90 l           gradualic flow         142 l/rmin           ain relation (sold)         90 l           quide cooling talk volume         16 l           use talk         17.50 l           quide cooling talk volume         16 l           use talk         9.17.50 l	xternal turning radius over tyres (unbraked)	Wa1	4200 mm
andard tires front / rear  ptornal type (front / rear)  pront (fr	xternal turning radius over bucket (braked)	Wa5	5550 mm
pional tye (front / rear)         m4         280 mm           reformances         6         280 mm           avel speed forward 1st / 2nd         5.40 km/h / 8.60 km/h         19.90 km/h / 40 km/h           spine brand         6         1104 44T tubo Charged Water Cooled Ter-           pine brand         1104 44T tubo Charged Water Cooled Ter-         4.40 I           poss Power / Power         68.50 kW @ 2200 rpm         39 S Nm           satery village / Capacity         12 V / 75 A h           satery branches         6.00 km/m / 40 km/h           satery village / Capacity         12 V / 75 A h           satery branches         12 V / 75 A h           satery village / Capacity         4 / 4           satery village / Capacity         12 V / 75 A h           satery village / Capacity         12 V / 75 A h           satery village / Capacity         4 / 4           satery village / Capacity         12 V / 75 A h           satery village / Capacity         12 V / 75 A h           satery village / Capacity         12 V / 75 A h           satery village / Capacity         12 V / 75 A h           satery village / Capacity         12 V / 75 A h           satery village / Capacity         14 V / 4           satery village / Capacity         14 V	xternal turning radius over bucket (unbraked)	Wa5	5700 mm
round clearance         m4         280 mm           afformances         5.40 km/h / 8.60 km/h           seed gover of variety 1.2nd         5.40 km/h / 8.60 km/h           savel speed forward 3xl / 4th         1.9.90 km/h / 40 km/h           regine brand         Perkins           rigine brand         1.104C 441 Turbo Chaged Water Cooled Tier ax. capacity         4.40 I           oxs. Fower / Power         68.50 kW @ 2200 pm         395 km           anterpowlage / apacity         12 V / 75 Ah           anterpowlage / apacity         12 V / 75 Ah           anterpowlage / apacity         4 / 4           anterpowlage / apacity         9 1           anterpowlage / apacity         9 1           anterpowlage / apacity         9 1           anterpowlage / apacity         1 fl           anterpowlage / apacity         1 m²	tandard tires front / rear		12.5 x 18 - 12 PR / 16.9 x 28-12PR
seformances avel speed forward 1st / 2nd avel speed forward 3rd / 4th 19.90 km/h / 40 km/h 1104C 44T Turbo Charged Water Cooled Tier ax. capacity	ptional tyre (front / rear)		9 x 16 - 16 PR / 14 x 25 - 20 PR
avel speed forward 1st / 2nd         5.40 km/h / 8.60 km/h           gine         1.90 km/h / 40 km/h           ngine brand         Perkins           ngine brand         1104C 44T Turbo Charged Water Cooled Tier           ax. capacity         68.50 kW g 2200 rpm           xax. torque         68.50 kW g 2200 rpm           atter, voltage / espacity         12 V / 75 Ah           atter, voltage / espacity         7 Carrano           atter, voltage / espacity         6.8.50 kW g 2200 rpm           atter, voltage / espacity         12 V / 75 Ah           atter, voltage / espacity         7 Carrano           atter, voltage / espacity         6.8.50 kW g 2200 rpm           atter, voltage / espacity         12 V / 75 Ah           atter, voltage / espacity         7 Carrano           atter, voltage / espacity         6.8.50 kW g 2200 rpm           atter, voltage / espacity         7 Carrano           atter, voltage / espacity         7 4/ 4           atter, voltage / espacity         8 14 / 4           atter, voltage / espacity         14 / 4           atter, voltage / espacity         9 14 / 4           atter, voltage / espacity         9 0 1           atter, voltage / espacity         9 0 1           atter, voltage / espacity         <	round clearance	m4	280 mm
sevel speed forward 3rd / 4th         19.90 km/h / 40 km/h           ngine         Perkins           ngine brand         1104C 44T Turbo Charged Water Cooled Tier           ax. capacity         4.401           68.50 kW @ 2200 rpm         395 km           axt. torque         395 km           ansmission brand         Cararo           umber of gears (floward / revese)         4,4           cervice brake         Wet disc brakes           evide brakes         Wet disc brakes           vidualic flow         142 /rmin           sain relief pressure         225 bar           ank capacities         161           quid cooling tank volume         161           uel tank         145 l           ansmission oil         17,501           righe oil         9,101           righe oil         9,101           righe oil         9,101           right obe         82 km           ackbeet         82 km           ackbeet standard capacity         0,24 m²           fidth loader bucket         2235 km           tide loader standard capacity         2235 km           tide loader standard capacity         22235 km           tide loader standard capacity	erformances		
ngine brand gine brand gine model ax. capacity A4.0 I CSS Power Power Ax. toque Ax. t	ravel speed forward 1st / 2nd		5.40 km/h / 8.60 km/h
agine brand         Perkins           agine model         1104C 44T Turbo Charged Water Cooled Tierlax. Capacity         4.40 I           ross Power / Power         68.50 kW @ 2200 rpm           ax. torque         395 km           attery voltage / capacity         12 V / 75 Ah           ansmission         Carraro           umber of gears (forward / reverse)         4 / 4           argue converter stall ratio         3.01:1           evice brake         Wet disc brakes           optiqualic flow         142 l/min           gain relief pressure         225 bar           ank capacities         90 I           quid cooling tank volume         16 I           uel tank         145 I           ansmission oil         17.50 I           sili rear axie         17.50 I           cocket         90.01           ackbee standard capacity         9.24 m²           didth backhee bucket         992 mm           dider backet         2235 mm           licellaneous         4es           ower steering         Yes           ower steering         9c	ravel speed forward 3rd / 4th		19.90 km/h / 40 km/h
agrie model         1104C 44T Turbo Charged Water Cooled Tier           ax. capacity         68.50 kW @ 2200 rpm           ax. korque         395 km           attery voltage / capacity         12 V / 75 Ah           ansmission         12 V / 75 Ah           ansmission brand         Carraro           umber of gears (forward / reverse)         4 / 4           sique converier stall ratio         3.01:1           virce brake         Wet disc brakes           vydraulic flow         142 l/min           ain relief pressure         225 bar           ank capacities         90 l           quid cooling tank volume         161           uelt tank         145 l           ansmission oil         17.50 l           ingine oil         9.10 l           il eva ratie         17.50 l           updet idith backhoe bucket         892 mm           oader standard capacity         1 m³           idith loader bucket         2235 mm           idith loader bucket         2235 mm           user steeling         Yes           ont steer axle of oscillation         2°	ingine		
ax. capacity         4.40 I           ross Power / Power         68.50 kW @ 2200 rpm           ax. torque         395 km           attery voltage / capacity         12 V / 75 Ah           ansmission         Carraro           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           umber of geast (forward / reverse)         4 / 4           union existed (forward / reverse)         9 (1)           union existed (forward / reverse)         9 0 1           upid (forward / reverse)	ngine brand		Perkins
### ### ### ### ### ### ### ### ### ##	ngine model		1104C 44T Turbo Charged Water Cooled Tier-I
axx. torque         395 Nm           attery voltage / capacity         12 V / 75 Ah           anasmission brand         Carraro           umber of gears (forward / reverse)         4 / 4           umber of gears (forward / reverse)         4 / 4           umber of gears (forward / reverse)         Wet disc brake           versive brake         Wet disc brakes           versive brake         142 l/min           versive brake         225 bar           versive brake         90 l           versive brake         15 l           versive brake         90 l           versive brake         15 l           versive brake         90 l           versive brake         15 l           versive brake         90 l           versive brake         90 l           versive brake         17.50 l           versive brake         9.02 d           versive brake         1 m²           versive brake         2235 mm           versive brake         2 m²           versive brake	Max. capacity		4.40 l
sate sy voltage / capacity         12 V / 75 Ah           cansmission         Cararo           samples of gears (forward / reverse)         4 / 4         August (orward / reverse)         Wet disc brakes           Sydraulic (flow)         August (orward / reverse)         Wet disc brakes           August (orward / reverse)         August (orward / reverse) <td>ross Power / Power</td> <td></td> <td>68.50 kW @ 2200 rpm</td>	ross Power / Power		68.50 kW @ 2200 rpm
ransmission brand Carrano Carrano Carrano carrano gears (forward / reverse) 4 / 4 a corque converter stall ratio 3.01:1 ervice brake 8 Wet disc brakes 9 Wet	Max. torque		395 Nm
ansmission brand         Carraro           umber of gears (forward / reverse)         4 / 4           orque converter stall ratio         3.0:13           evice brake         Wet disc brakes           vidraulic flow         142 l/min           ain relief pressure         225 bar           ank capacities         90 l           quidi cooling tank volume         16 l           quid cooling tank volume         17.50 l           quid rear axle         9.10 l           il rear axle         17.50 l           uoket         9.10 l           tackhoe standard capacity         0.24 m²           told backhoe bucket         892 mm           uoder standard capacity         2235 mm           told tolder bucket         892 mm           told tolder bucket         2235 mm           ticscellaneous         Yes           ower steering         Yes           ont steer axle of oscillation         2 °	lattery voltage / capacity		12 V / 75 Ah
umber of gears (forward / reverse)         4 / 4           projue converter stall ratio         3.01:1           evice brake         Wet disc brakes           ydraulic flow         142 l/min           pain relief pressure         225 bar           ank capacities         90 l           ydraulic coil         90 l           quid cooling tank volume         16 l           uel tank         145 l           ransmission oil         17.50 l           sali re avie         9.10 l           til rea raxie         9.10 l           til rea saxie         0.24 m²           backhoe standard capacity         0.24 m²           tild backhoe bucket         892 mm           oader standard capacity         2235 mm           tidt loader bucket         2235 mm           itscellaneous         Yes           over steering         Yes           ont steer axle of oscillation         2 °	ransmission		
any time converter stall ratio  any time converter stall ratios  any time converter stall rati	ransmission brand		Саггаго
revice brake Wet disc brakes  ydraulics ydraulic flow 142 l/min alre if pressure ank capacities  ydraulic oil quid cooling tank volume uel tank 145 l ansmission oil 17.50 l angine oil 17.50 l ail tear axle 17.50 l ackhoe standard capacity ackhoe standard capacity didth backhoe bucket 889 mm abader standard capacity idth loader bucket 889 mm buser stening over steering over stee	lumber of gears (forward / reverse)		4 / 4
sydraulics         142 l/min           sydraulic flow         142 l/min           sain relief pressure         225 bar           ank capacities         90 l           sydraulic oil         90 l           quid cooling tank volume         16 l           uel tank         145 l           ansmission oil         17.50 l           region oil         9.10 l           sid rear axle         17.50 l           ucket         17.50 l           sackhoe standard capacity         0.24 m³           didth backhoe bucket         892 mm           ridth loader standard capacity         1 m³           ridth loader bucket         2235 mm           sizellaneous         Yes           over steering         Yes           rout steer axle of oscillation         2 °	orque converter stall ratio		3.01:1
ydraulic flow         142 l/min           lain relief pressure         225 bar           ank capacities         90 l           ydraulic oil         90 l           quid cooling tank volume         16 l           uel tank         145 l           ransmission oil         17.50 l           rigine oil         9.10 l           il rear axle         17.50 l           ucket         17.50 l           ackhoe standard capacity         0.24 m³           ridth backhoe bucket         892 mm           pader standard capacity         1 m³           ridth loader bucket         2235 mm           discellaneous         Yes           over steering         Yes           ront steer axle of oscillation         2 °	ervice brake		Wet disc brakes
ain relief pressure  ank capacities  ydraulic oil quid cooling tank volume  yel tank  ansmission oil il rear axle  ackhoe standard capacity id this backhoe bucket  acader standard capacity in this backhoe bucket  acader standard capacity  a	lydraulics		
sank capacities         90 I           ydraulic oil         90 I           quid cooling tank volume         16 I           suel tank         145 I           sansmission oil         17.50 I           regine oil         9.10 I           sil rear axle         17.50 I           sackhoe standard capacity         0.24 m³           sold to backhoe bucket         892 mm           sackhoe standard capacity         1 m³           sackhoe bucket         2235 mm           sackhoe standard capacity         Yes           sackhoe sta	lydraulic flow		142 l/min
ydraulic oil         90 l           quid cooling tank volume         16 l           sel tank         145 l           sansmission oil         17.50 l           regine oil         9.10 l           sil rear axle         17.50 l           sekhoe standard capacity         0.24 m³           sidth backhoe bucket         892 mm           sadder standard capacity         1 m³           sidth loader bucket         2235 mm           sicellaneous         Yes           over steering         Yes           ont steer axle of oscillation         2 °	Main relief pressure		225 bar
quid cooling tank volume     16 I       puel tank     145 I       cansmission oil     17.50 I       ngine oil     9.10 I       pucket     17.50 I       packhoe standard capacity     0.24 m³       packhoe bucket     892 mm       packer standard capacity     1 m³       packer standard capacity     2235 mm       packer standard capacity     1 m³       packer standard capacity     1 m³       packer standard capacity     1 m³       packer standard capacity     235 mm       liscellaneous     Yes       power steering	ank capacities		
get tank     145 I       garsmission oil     17.50 I       ngine oil     9.10 I       gil rear axle     17.50 I       packhoe standard capacity     0.24 m³       gidth backhoe bucket     892 mm       packet standard capacity     1 m³       goder standard capacity     2235 mm       lidth loader bucket     2235 mm       liscellaneous     Yes       over steering     Yes       own steer axle of oscillation     2°	lydraulic oil		90 l
17.50	iquid cooling tank volume		16 I
gigne oil     9.10 l       id rear axle     17.50 l       packte     80       packhoe standard capacity     0.24 m³       packet standard capacity     892 mm       packer standard capacity     1 m³       packer standard capacity     2235 mm       packer standard capacity     1 m³       packer standard capacity     2 m³       pac	uel tank		145 I
ngine oil       9.10 l         id rear axle       17.50 l         ucket       Use of the standard capacity         id th backhoe bucket       892 mm         backer standard capacity       1 m³         id th loader bucket       2235 mm         iscellaneous       Yes         over steering       Yes         ont steer axle of oscillation       2°	ransmission oil		17.50 l
if rear axle     17.50 I       ucket     0.24 m³       ackhoe standard capacity     892 mm       backer standard capacity     1 m³       backer standard capacity     2235 mm       lidth loader bucket     2235 mm       liscellaneous     Yes       over steering     Yes       ont steer axle of oscillation     2°	ingine oil		
ucket  ackhoe standard capacity  fidth backhoe bucket  sadder standard capacity  acknoe standard capacity  sadder standard capacity  fidth loader bucket  steellaneous  swer steering  ver steer axle of oscillation  1. m3  2.235 mm  Yes  2.235 mm  Yes	iil rear axle		
idth backhoe bucket 892 mm bader standard capacity 1 m³ fidth loader bucket 2235 mm liscellaneous over steering Yes ont steer axle of oscillation 2 °	ucket		
idth backhoe bucket 892 mm bader standard capacity 1 m³ fidth loader bucket 2235 mm liscellaneous over steering Yes ont steer axle of oscillation 2 °	ackhoe standard capacity		0.24 m³
pader standard capacity  fidth loader bucket  2235 mm  iscellaneous  over steering  ront steer axle of oscillation  1 m³  2235 mm  Yes  2°	/idth backhoe bucket		
idth loader bucket  iscellaneous  bwer steering ont steer axle of oscillation  2235 mm  Yes  226	oader standard capacity		
iscellaneous  ower steering  ront steer axle of oscillation  Yes  2 °	Vidth loader bucket		
ower steering Yes ont steer axle of oscillation 2 °	Miscellaneous Control of the Control		
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)

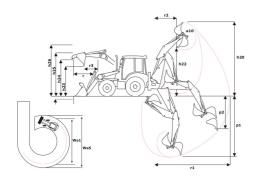
Standard dipper	
4741	
5730	
1996	
5626	
3871	
2602	
194	
1198	
4336	
5810	
1460	

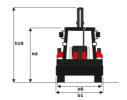
## Performance loader

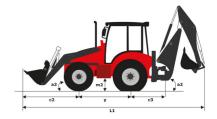
Max dump angle (°)
h26 - Max operating height (loader version) (mm)
h23 - Max dump height at 45° (mm)
h24 - Max loadover height (mm)
h25 - Max hinge pin height (mm)
r3 - Max reach at full height 45° (mm)
p3 - Below ground dig depth (mm)
a13 - Rollback at ground (°)
Shovel breakout (kgf)
Arms breakout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