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   Awheris down			ated on May 17, 2024 at 3:10:26 PM L
Part	Capacities		
	Wheelbase 2 wheels drive		
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	•		
1			
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 of cash with air conditioning (option)         Wa1         3550 mm           stream luming addus over bruck (bruked)         Wa5         5550 mm           stream luming addus over bruck (bruked)         Wa5         5500 mm           stream luming addus over bruck (bruked)         Wa5         5500 mm           stream luming addus over bruck (bruked)         Wa5         5500 mm           stream luming addus over bruck (brucked)         Wa5         5500 mm           stream luming addus over bruck (brucked)         Wa5         5500 mm           stream luming addus over bruck (brucked)         Wa5         5500 mm           stream luming addus over brucked (brucked)         Wa5         5500 mm           stream luming addus over brucked (brucked)         9 1.6 1.6 1.4 2.5 2.0 Pm           stream luming addus over brucked (brucked)         9 1.0 4.0 km/h         1.9 4.0 km/h         1.0	verall width	b1	
Personal with air conditioning (option)   h6**   2860 mm	verall width with stabilizers extended - Center mount only		3910 mm
1	abin height	h6	2830 mm
cleanal luming radius over types (braked)         Wa1         3850 mm           cternal luming radius over types (braked)         Wa5         5550 mm           cternal luming radius over bucket (braked)         Wa5         5700 mm           cternal luming radius over bucket (braked)         Wa5         5700 mm           and radiad files front / rear         12.12 x 18 - 12 RW, 16 - 9 28 212 RW         12.12 x 18 - 12 RW, 16 - 9 28 212 RW           plical layer (front / rear)         mA         280 mm           and formatices         mA         280 mm           and seed forward 1st / 2nd         5.00 km/h / 36 km/h         19.00 km/h / 36 km/h           swel speed forward 1st / 2nd         5.00 km/h / 36 km/h         19.00 km/h / 36 km/h           swel speed forward 1st / 2nd         19.00 km/h / 36 km/h         19.00 km/h / 36 km/h           swel speed forward 1st / 2nd         19.00 km/h / 36 km/h         19.00 km/h / 36 km/h           swel speed forward 1st / 2nd         11.00 km/h / 36 km/h         19.00 km/h / 36 km/h           swel speed forward 1st / 2nd         11.00 km/h / 36 km/h         4.40 l           swel speed forward 1st / 2nd         11.00 km/h / 36 km/h         4.40 l           swel speed forward 1st / 2nd         11.00 km/h / 36 km/h         4.40 l           swel speed forward 1st / 2nd         6.85 km/h	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           guid classrace         m4         280 mm           are local 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           gipe         19.90 km/h / 48 km/h           gipe         4.01           sax capacity         4.01           sax capacity         4.01           sax capacity         6.85.0 km/l/ 200 pm           satisfy control         12.27 km/l/ 200 pm           satisfy control         12.27 km/l/ 200 pm           sa	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           und speed forward 1st / 2nd         5.40 km/h 260 km/h         19.00 km/h 460 km/h           und speed forward 1st / 2nd         Perkins         1104C 44T Tutho Charged Water Cooled Tier           vax. capacity         1104C 44T Tutho Charged Water Cooled Tier         4.01 km/h 40 km/h         19.00 km/h 40 km/h           usc speed / Power         6.50 kW @ 2200 pm         39.5 km         12 V 75 Ah         12 V 75 Ah           assemsision brand         Carrant         Carrant         4.4 4         3.01:1         Wet disc brakes         12 V 75 Ah	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 poesers (froward / reverse)         3.01:1           avel poesers         Wet disc brakes           yordules         90 l           quality converter stall ratio         142 l/min           average brown         152 bar           avel converter stall ratio         90 l           avel converter stall ratio         142 l/min           avel converter stall ratio         152 bar           avel colority         90 l           quality colority         15 l           print colority	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           speed forward 3rd / 4th         19.90 km/h / 40 km/h         19.90 km/h / 40 km/h           right         Perkins         Perkins         Perkins           ngine brand         1104 C44T tubo Charged Water Cooled Terkins         4.40 I         <	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         4 / 2           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         70 Carrator           atter, voltage / espacity         12 V / 75 Ah           atter, voltage / espacity         70 Carrator           atter, voltage / espacity         70 Carrator           atter, voltage / espacity         12 V / 75 Ah           atter, voltage / espacity         12 V / 75 Ah           atter, voltage / espacity         2 Carrator           atter, voltage / espacity         14 / 4           anter, voltage / espacity         14 / 2           anter, voltage / espacity         14 / 2           anter, voltage / espacity         14 / 2           anter, voltage / espacity         16 / 2 <t< td=""><td>round clearance</td><td>m4</td><td>280 mm</td></t<>	round clearance	m4	280 mm
avel speed forward 3rd / 4th         1,990 km/h / 40 km/h           righie         Perkins           appine brand         1104C 44T Turbo Charged Water Cooled Tier           ax. capacity         68.50 kM @ 2200 rpm           ax. torque         395 km           ax. torque         395 km           ansmission brand         Cararo           unber of gears (forward / revese)         4 / 4           average convert stall ratio         30.11           evice brake         Wet disc brakes           vydraulic flow         14.2 /rmin           ain capacities         225 bar           ank capacities         901           quid cooling tank volume         16 i           uel tank         14.51           assimission oil         17.50 i           right e oil         9.10 i           right e oil         9.22 km           ackbet         8.2 km           ackbet e standard capacity         9.2 km           right b backet         2223 km           right b backet         2223 km           right b backet         2223 km	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           optiqualion         142 l/min           spiralities         90 I           quid cooling tank volume         16 I           uel tank         145 I           ansmission oil         90 I           quid cooling tank volume         17.50 I           uel tank         145 I           ansmission oil         9.10 I           sil rear avie         7.50 I           cocket         9.00 I           packboe standard capacity         9.24 m²           didfi boader bucket         9.22 mm           didefer bucket         2235 mm           tissellaneous         9.02 mm           ower steering         9.05 mm	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
### ### ### ### ### ### ### ### ### ##	ingine 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         145 l           ansmission oil         17.50 l           qui car axle         9.10 l           ui rear axle         17.50 l           uoktet         9.10 l           didh backhoe bucket         892 mm           uoder standard capacity         0.24 m²           didh backhoe bucket         892 mm           uoder standard capacity         2235 mm           tidh loader bucket         2235 mm           iscollanceus         92 mm           uoder standard capacity         7 m²           tidh loader bucket         2235 mm           iscollanceus         92 mm           total total capacity         92 mm           total total capacity         92 mm           total total capacity         92 mm           total capacity         92 m	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 avile         9.10 l           til rea raxie         9.10 l           tocktet         9.10 l           tocktet         892 mm           sakhoe standard capacity         0.24 m²           tidt backhoe bucket         892 mm           solder standard capacity         2235 mm           tidt loader bucket         2235 mm           tiscollaneous         Yes           ower 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	umber 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           sackhoe bucket         892 mm           sackhoe bucket         2235 mm           sackhoe bucket         2235 mm           sacklaneous         Yes           sover steering         Yes           sourt steer axle of oscillation         2°	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°	ydraulic oil		90 l
17.50	iquid cooling tank volume		16 l
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			
iscellaneous  ower steering  ront steer axle of oscillation  Yes  2 °	Vidth loader bucket		
ower steering Yes ont 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)	

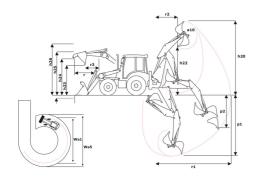
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

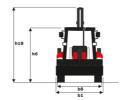
## Performance loader

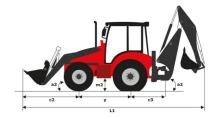
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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