Technical sheet:

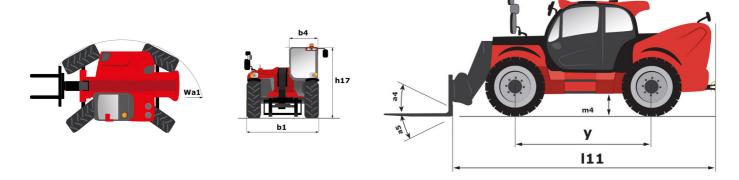
## MLT-X 961-160 V+ L





| Ass. Capacity Ass. Control   10   10   10   10   10   10   10   1  |   | MLT-X 961-160 V+ L Create | ed on May 5, 2024 at 7:06:21 AM l             |
|--|---|---------------------------|---|
| Ass. capacity Ass. counted Ass. | Capacities  |                           | Metric  |
| Ass. Infraophelipath         13         9 m           Ass. Collegath         5.00 m         S.00 m           Ass. As Installed         1.10 m         No. 10 m           Assected from whith backet         700 odd         1.00 m           Moderation resident with forks)         md         0.45 m           Honder Statemen         md         0.45 m           Neveral length to residing widers which)         101         6.10 m           Neveral length to residing widers which by         101         6.10 m           Neveral length to residing widers which by         10         2.48 m           Neveral length widers widers         10         0.24 m           Neveral length widers widers         10         0.29 m           Neveral length widers widers         10         0.24 m           Neveral length widers widers         10         0.27 m           Neveral length widers widers         10         0.27 m           Neveral length widers widers         2         0.27 m           Neveral length widers widers         2   |   | 0                         |   |
| Ast. columnation         5.30 m           Seeks of Intern. Incomplit         1.10 m           Seeks of Intern. Incomplit         7300 cash           Includes with Duckset         7300 cash           Moreglat and Cameration         m4         0.45 m           Unicode claserance         m4         0.45 m           Michael Bendal Documber (with britch)         11         6.10 m           Special Health Scientified         b1         2.46 m           Special Health Scientified         b1         2.47 m           Special Health Scientified         b1         2.22 m   |   |                           |   |
| 11.0 m   10.0 m   1   |   |                           |   |
| Peace   Page     |   |                           |   |
| Wealth and dimensions         In 1550 kg           Dound clearance         m4         0.45 m           Wealth length to caminage (with hitch)         111         6.10 m           Dental length to caminage (with hitch)         31         5.57 m           Portal length to caminage (with hitch)         15         2.48 m           Portal length to caminage (with hitch)         16         2.48 m           Portal length to caminage (with hitch)         15         2.24 m           Portal length to caminage (with hitch)         16         2.24 m           Portal length to caminage (with hitch)         16         2.24 m           Portal length to caminage (with hitch)         16         2.24 m           Portal length to caminage (with hitch)         16         2.24 m           Portal length to caminage (with hitch)         16         2.24 m           Portal length to caminage (with hitch)         41         0.99 m           Statistical length to caminage (with hitch to camin   |   |                           |   |
| 1956 to 1957 to 1958   |   |                           | 7300 dain                                     |
| Small of classinace   Mark   |   |                           | 11050 h.m.                                    |
| Weetblase  |   |                           |   |
|  |   |                           |   |
| 18   18   18   18   18   18   18   18  |   |                           |   |
| 1.5 m   1.5    |   |                           |   |
| Present   Individe   |   | 13                        |   |
| December 1999   December 2009   December 200   | Front overhang  |                           | 1.65 m  |
| New     New   Ne   | Overall width   | b1                        | 2.48 m  |
| Ill-down angle   | Overall cab width   | b4                        | 0.99 m  |
|  | Overall height  | h17                       | 2.55 m  |
| site mail tuming gradius (over tyes)         4.30 mm           site and site of the site of  | Tilt-down angle   | a5                        | 135 °   |
| site mail tuming gradius (over tyes)         4.30 mm           site and site of the site of  | Tilt-up angle   | a4                        |   |
| Alliance - A500 - 5007/ R24 164A8  |   |                           |   |
| 2  |   |                           |   |
| Restring wheeling correctors and any any according to applicable regulations) and according systems also any according to applicable regulations) and according systems also applicable regulations) and according systems also applicable regulations) and according to applicable regulations are according to accor   |   |                           |   |
| Time   Immeliang conceptor   199     |   |                           |   |
| Verformances         8.50 s           cweering         6.50 s           Stetension         7 s           Stetension         6 s           Crowd         3.80 s           Strong         3.80 s           Strong         3.80 s           Strong         7 mm           Single Bund         7 mm           Stope III.         1000 ppm           Adar, Guel sulphur content         1000 ppm           Ingine model         4 4.455 cm²           C. Engine power tallary Power         15 kp / 11 k W           Aks. Inque / Engine rotation         805 km @1535 pm           Orawhar pull (Laden)         9700 clath           Sewersible fan         3 radiators water intercooler+ transmission or from fair intercollery system         3 radiators water intercooler+ transmission or from fair intercollery purply sking brake           Astrong Engine power purply fair plake         Alternatic regartive parking brake           Astrong Sprake         0 H-water jervise parking brake           Scricke brake         0 H-water jervise parking brake           Astrong Sprake         0 H-water jervise parking brake           Astrong Sprake         0 H-water jervise parking brake           Astrong Sprake         0 H-water jervise parking brake           Astrong Spra   |   | -0                        |   |
| Iffing         8.50 s           cxeening         6.50 s           cxeening         7 s           beteaction         6 s           chound         3.80 s           chump         3.60 s           conjune         3.60 s           ringine         Yanmar           ringine brand         Yanmar           ringine nom         1000 pm           subset of cylinders - Capacity of cylinders         4.100 pm           c. Engine power rating / Power         156 hp / 115 kW           dax, toget yellowing - Capacity of cylinders         156 hp / 115 kW           dax, toget yellowing - Capacity of cylinders         156 hp / 115 kW           dax, toget yellowing - Capacity of cylinders         156 hp / 115 kW           dax, toget yellowing - Capacity of cylinders         88 Nm @135 cm²           d. Engine power rating / Power         156 hp / 115 kW           dax, toget yellowing cylinders         88 Nm @135 cm²           d. Engine power rating / Power         3 radiators water intercooler water strains stone of the cylinder cylinders           d. Engine power rating / Power         3 radiators water intercooler of the cylinder cylinder cylinders           d. Engine power rating / Power         3 radiators water intercooler the tylinder cylinders           d. Engine power rating / Power<   |   | a9                        | 7 -   |
| 1.5    |   |                           |   |
| Extension         7 s           Sebraction         6 s           Showd         3.80 s           Dump         3.60 s           Engine brand         Yanmar           Engine brand         Yanmar           Engine model         4 TNI 07TT-SSMUF           4 Lumber of Cylinders - Capacity of cylinders         4 TNI 07TT-SSMUF           4 Lumber of Cylinders - Capacity of cylinders         156 Hp / 115 kW           4 Ast. for up, Fenjine rotation         805 Nm @1350 ymm           Swebsor pull (Laden)         805 Nm @1350 ymm           Weeversible fan         3 radiators water + intercooler + transmission of marsmission bye         A Variable of marsmission bye           4 beat via year of (may vary according to applicable regulations)         M Yann Plus           4 beat via year of (may vary according to applicable regulations)         M Automatic negative parking banke           Service brake         Oil-immersed multi-discs banking on front & reaching this birth or market parking distributor         A probability of the parking on front & reaching distributor           Close and where the parket of the  |   |                           |   |
| Retraction   | Lowering  |                           |   |
| Crowed Cr | Extension   |                           | 7 s   |
| Dump   3.60 s   3.6   | Retraction  |                           | 6 s   |
| Engine band         Yannar           Engine band         Yannar           Engine band         Stage IIIA           Max. Fuel sulphur content         1000 ppm           Engine model         4TNIDYTESMUF           Unable of Cylinders - Capacity of cylinders         4 - 4557 cm²           C. Engine power rating / Power         156 Hp / 115 kW           dax. Inquer / Engine rotation         805 Nm @1350 pm           Provious or yander pull (Leden)         9700 dan           Reversible fan         Standard           Singsmission         3 radiators water + intercoler + transmission or formanission by           Transmission by         M-Vario Plus           Value uitze         Automatic negative parking brake           Service brake         Oil-immersed multi-discs braking on front & received brake           Service brake         Oil-immersed multi-discs braking on front & received brake           Sydraulic pump type         Variable displacement pump           Sydraulic oil         3 standard           Town capacities         201/min - 270 bar           Sydraulic oil         180 l           Velocities and vibration         9 dB           Aloise and vibration         9 dB           Aloise and vibration         4 2.5.0 m/s²           Aloise  | Crowd   |                           | 3.80 s  |
| Sange   Index   Inde   | Dump  |                           | 3.60 s  |
| despine nom         Stage IIIA           dax, fuel slightur content         1000 ppm           legine model         4 14107TESMUF           sturber of cylinders - Capacity of cylinders         4 - 4557 cm²           C. Engine power rating / Power         156 Hp / 115 kW           dax. Induce / Engine rotation         805 hm @1350 pm           Javabar pull (Laden)         9700 daN           leversible fan         3 radiators water intercooler + transmission of grigine cooling system         3 radiators water intercooler + transmission of grigine cooling system           fansmission type         M-Vario Plus           dax. tavel speed (may vary according to applicable regulations)         40 km/h           dax. tavel speed (may vary according to applicable regulations)         M-Vario Plus           dax. tavel speed (may be speed (may vary according to applicable regulations)         M-Vario Plus           dax. tavel speed (may be speed (may vary according to applicable regulations)         Vario Plus           dax. tavel speed (may vary according to applicable regulations)         W-Vario Plus           dax. tavel speed (may be speed (may vary according to applicable regulations)         Variable displacement pump           dydraulic         Variable displacement pump           dydraulic (sum yet)         Variable displacement pump           dydraulic (sum yet)         1801  | Engine |                           |   |
| despine nom         Stage IIIA           dax, fuel slightur content         1000 ppm           legine model         4 14107TESMUF           sturber of cylinders - Capacity of cylinders         4 - 4557 cm²           C. Engine power rating / Power         156 Hp / 115 kW           dax. Induce / Engine rotation         805 hm @1350 pm           Javabar pull (Laden)         9700 daN           leversible fan         3 radiators water intercooler + transmission of grigine cooling system         3 radiators water intercooler + transmission of grigine cooling system           fansmission type         M-Vario Plus           dax. tavel speed (may vary according to applicable regulations)         40 km/h           dax. tavel speed (may vary according to applicable regulations)         M-Vario Plus           dax. tavel speed (may be speed (may vary according to applicable regulations)         M-Vario Plus           dax. tavel speed (may be speed (may vary according to applicable regulations)         Vario Plus           dax. tavel speed (may vary according to applicable regulations)         W-Vario Plus           dax. tavel speed (may be speed (may vary according to applicable regulations)         Variable displacement pump           dydraulic         Variable displacement pump           dydraulic (sum yet)         Variable displacement pump           dydraulic (sum yet)         1801  | Engine brand  |                           | Yanmar  |
| Max. fuel sulphur content         1000 ppm           Engine mode!         4.1567 cm²           Unamber of cylinders - Capacity of cylinders         156 Hp / 115 kW           C. Engine power rating / Power         156 Hp / 115 kW           Max. Incept / Engine rotation         805 km @ 1350 pm           Reversible fan         9700 daN           cinguine cooling system         3 radiators water+ intercooler + transmission of transmission from           flasmission type         M-Vario Plus           dax. travel speed (may vary according to applicable regulations)         40 km/h           value         Automatic negative parking brake           Service brake         01-immersed multi-discs braking on front & reavily defaultion           Vydraulic flow - Pressure         200 l/min - 270 bar           slow shaing distributor         200 l/min - 270 bar           flow, capacities         200 l/min - 270 bar           vidualic flow - Pressure         200 l/min - 270 bar           slows ad diving position (LpA) tested following NF EN 12053 norm         180 l           vidual to cold in the cold of the col  | Engine norm   |                           | Stage IIIA                                    |
| cingline model         4TN107TTSSMUF           clumber of cylinders Capacity of cylinders         4 - 4567 cm²           C. Engine power rating / Power         156 Hp/ 115 kW           dax. torque / Engine rotation         805 Nm @1350 pm           Drawbar pull (Laden)         9700 daN           deversible fan         3 radiators water + intercooler + transmission of transmission type           desperit on the pull capacity of a pullicable regulations)         M-Vario Plus daw.           dark, travel speed (may vary according to applicable regulations)         M-Vario Plus daw.           dark, travel speed (may vary according to applicable regulations)         Automatic negative parking brake           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Quil-immersed multi-discs braking on front & reaches           discovered brake         Quil-immersed multi-discs braking on front & reaches           discovered brake         Quil-immersed multi-discs braking on front & reaches           discovered brake         Quil-immersed multi-discs braking on front & reaches           discovered brake         Quil-immersed multi-discs braking on front & reaches           discovered brake         Quil-immersed multi-discs braking on front & reaches           discovered brake   |   |                           |   |
| Turnber of cylinders - Capacity of cylinders  C. Engine power rating / Power  S. Engine power rating / Power  Jawaka. torque / Engine rotation  Jawaka. torque / Engine rotation  Jawakar (Laden)  Jawakar (Laden) |   |                           |   |
| c. E. Engine power rating / Power         156 Hp / 115 kW           dax. torque / Engine rotation         805 Nm @1350 rpm           obeversible fan         Standard           singine cooling system         3 radiators water + intercooler + transmission of transmission type           dax. travel speed (may vary according to applicable regulations)         M-Vario Plus           dax. travel speed (may vary according to applicable regulations)         Automatic negative parking brake           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device brake         Oli-immersed multi-discs braking on front & reaches           device what place  | •   |                           |   |
| Max. torque / Engine rotation  Are viter pull (Lader)  |   |                           |   |
| Parwhar pull (Laden) Reversible fan 9700 daN Standard Regine cooling system Rensmission type Ransmission type Max. travel speed (may vary according to applicable regulations) Reversible fan Oli-mmersed multi-discs braking on front & realizes Revice brake review of a take and rev |   |                           |   |
| Reversible fan Standard stransmission fransmission fransmission type Max. travel speed (may vary according to applicable regulations) 40 km/h Automatic negative parking brake Oil-immersed multi-discs braking on front &re axles shorted by draulic pump type Variable displacement pump type (low sharing distributor Standard Stand |   |                           |   |
| Transmission type  Advantable speed (may vary according to applicable regulations)  Advantable speake  Automatic negative parking brake  Oil-immersed multi-discs braking on front & reaxles  Avgraulic pump type  Aydraulic flow - Pressure  And specifies  And specifies  Automatic negative parking brake  Oil-immersed multi-discs braking on front & reaxles  Avgraulic flow - Pressure  Automatic negative parking brake  Oil-immersed multi-discs braking on front & reaxles  Avgraulic flow - Pressure  Avgraulic flow - Pressure  And specifies  And specifies  And specifies  And specifies  And specifies  Automatic negative parking brake  Oil-immersed multi-discs braking on front & reaxles  Avgraulic flow - Pressure  Automatic negative parking brake  Oil-immersed multi-discs braking on front & reaxles  Avgraulic flow - Pressure  Automatic negative parking brake  Oil-immersed multi-discs braking of flow axiles  Avgraulic flow - Pressure  Avgraulic flo |   |                           |   |
| Transmission type  Max. travel speed (may vary according to applicable regulations)  Abarbance of the service brake  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake  Oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake of oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake of oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake of oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake of oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake of oil-immersed multi-discs braking on front & re axiles  Automatic negative parking brake of oil-immersed m |   |                           |   |
| Fransmission type Max. travel speed (may vary according to applicable regulations) Authoration pagitive parking brake Service br | Engine cooling system   | 18                        | adiators water + intercooler + transmission o |
| Aux. travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulations)  Aux travel speed (may vary according to applicable regulation gather parks in grade of parks in grade of parks in grade of parks and selected with grade of parks and select | Transmission  |                           |   |
| Parking brake Oil-immersed multi-discs braking on front & re ax les Oil-immersed multi-discs braking o | Transmission type   |                           | M-Vario Plus                                  |
| Service brake  Addraulics Addraulic pump type Addraulic flow - Pressure Advancities Advanc | Max. travel speed (may vary according to applicable regulations)  |                           | 40 km/h                                       |
| Service brake  Addraulics Addraulic pump type Addraulic flow - Pressure Advancities Advanc | Parking brake   |                           | Automatic negative parking brake              |
| tydraulic with tydraulic pump type  tydraulic flow - Pressure  tydraulic flow - Pressure  tow sharing distributor  Tank capacities  tydraulic oil  tydraulic flow - Pressure  tydraulic flow  |   | Oi                        |   |
| Adyraulic pump type Adyraulic plomp type Adyraulic flow - Pressure Adyraulic flow - Pressure Adyraulic flow - Pressure Adyraulic flow - Pressure Adyraulic oil Adyraulic oil Advance A | DELIVICE DIAKE  |                           |   |
| Advirual ic flow - Pressure  Flow sharing distributor  Fank capacities  Advirual ic oil  Fuel tank  Noise and vibration  Noise at driving position (LpA) tested following NF EN 12053 norm  Noise to environment (LwA)  Alignation to whole hand/arm  Wiscellaneous  Fractor homologation  Safety cab homologation  ROPS - FOPS level 2 cab  | Hydraulics  |                           |   |
| Standard Flank capacities  Advarualic oil Fuel tank  Noise and vibration  Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA)  No | Hydraulic pump type   |                           | Variable displacement pump                    |
| Standard Flank capacities  Advarualic oil Fuel tank  Noise and vibration  Noise at driving position (LpA) tested following NF EN 12053 norm Noise to environment (LwA)  No | Hydraulic flow - Pressure   |                           | 200 I/min - 270 bar                           |
| Fank capacities  Adyraulic oil 180 I  Euel tank 142 I  Noise and vibration  Noise at driving position (LpA) tested following NF EN 12053 norm 69 dB  Noise to environment (LwA) 105 dB  Vibration to whole hand/arm 105 dB  Viscellaneous  Tractor homologation Tractor homologation ROPS - FOPS level 2 cab   | Flow sharing distributor  |                           |   |
| Hydraulic oil Fuel tank  Noise and vibration  Noise at driving position (LpA) tested following NF EN 12053 norm  Noise to environment (LwA)  Nibration to whole hand/arm  Niscellaneous  Tractor homologation Safety cab homologation  ROPS - FOPS level 2 cab   | -   |                           |   |
| Tractor homologation  Left lank  142 I  142 I  143 I  145  |   |                           | 180 l   |
| Noise and vibration  Noise at driving position (LpA) tested following NF EN 12053 norm 69 dB 105 dB 105 dB 4 2.50 m/s²  Wiscellaneous Tractor homologation Safety cab homologation ROPS - FOPS level 2 cab   |   |                           |   |
| Noise at driving position (LpA) tested following NF EN 12053 norm  69 dB  105 dB  105 dB  < 2.50 m/s²  Miscellaneous  Tractor homologation  Safety cab homologation  ROPS - FOPS level 2 cab   |   |                           | 172 1   |
| Noise to environment (LWA)  //ibration to whole hand/arm  //iscellaneous  Tractor homologation  Safety cab homologation  ROPS - FOPS level 2 cab   |   |                           | 60.40   |
| /ibration to whole hand/arm  < 2.50 m/s²  //iscellaneous  Tractor homologation Safety cab homologation ROPS - FOPS level 2 cab   |   |                           |   |
| Affice Ilaneous Tractor homologation Safety cab homologation ROPS - FOPS level 2 cab   |   |                           |   |
| Tractor homologation Tractor homologation ROPS - FOPS level 2 cab  | Vibration to whole hand/arm   |                           | < 2.50 m/s²                                   |
| Safety cab homologation ROPS - FOPS level 2 cab  | Miscellaneous   |                           |   |
|  | Tractor homologation  |                           | Tractor homologation                          |
| Controls   | Safety cab homologation   |                           | ROPS - FOPS level 2 cab                       |
|  | Controls  |                           | JSM   |

## MLT-X 961-160 V+ L - Dimensional drawing







## **Head Office**

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes