

Technical sheet :

# **MLT-X 961-160 V+ L**

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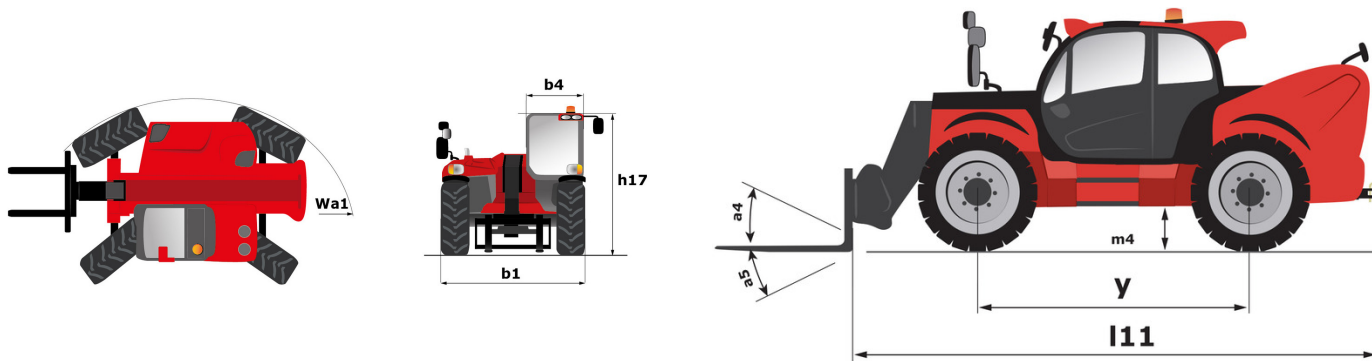
 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |     | Metric   |
|--|-----|--|
| Max. capacity  | Q   | 6000 kg  |
| Max. lifting height  | h3  | 9 m  |
| Max. outreach  |     | 5.30 m   |
| Reach at max. height   |     | 1.10 m   |
| Breakout force with bucket                                       |     | 7300 daN   |
| Weight and dimensions  |     |  |
| Unladen weight (with forks)                                      |     | 11950 kg   |
| Ground clearance   | m4  | 0.45 m   |
| Wheelbase  | y   | 3 m  |
| Overall length to carriage (with hitch)                          | l11 | 6.10 m   |
| Overall length to carriage (without hitch)                       | l3  | 5.97 m   |
| Front overhang   |     | 1.65 m   |
| Overall width  | b1  | 2.48 m   |
| Overall cab width  | b4  | 0.99 m   |
| Overall height   | h17 | 2.55 m   |
| Tilt-down angle  | a5  | 135 °  |
| Tilt-up angle  | a4  | 12 °   |
| External turning radius (over tyres)                             | Wa1 | 4.30 m   |
| Standard tires   |     | Alliance - A580 - 500/70 R24 164A8                     |
| Drive wheels (front / rear)                                      |     | 2 / 2  |
| Steering wheels (front / rear)                                   |     | 2 / 2  |
| Frame leveling corrector   | a9  | 7 °  |
| Performances   |     |  |
| Lifting  |     | 8.50 s   |
| Lowering   |     | 6.50 s   |
| Extension  |     | 7 s  |
| Retraction   |     | 6 s  |
| Crowd  |     | 3.80 s   |
| Dump   |     | 3.60 s   |
| Engine   |     |  |
| Engine brand   |     | Yanmar   |
| Engine norm  |     | Stage IIIA   |
| Max. fuel sulphur content  |     | 1000 ppm   |
| Engine model   |     | 4TN107TT-5SMUF   |
| Number of cylinders - Capacity of cylinders                      |     | 4 - 4567 cm <sup>3</sup>                               |
| I.C. Engine power rating / Power                                 |     | 156 Hp / 115 kW  |
| Max. torque / Engine rotation                                    |     | 805 Nm @1350 rpm                                       |
| Drawbar pull (Laden)   |     | 9700 daN   |
| Reversible fan   |     | Standard   |
| Engine cooling system  |     | 3 radiators water + intercooler + transmission oil     |
| Transmission   |     |  |
| Transmission type  |     | M-Vario Plus   |
| Max. travel speed (may vary according to applicable regulations) |     | 40 km/h  |
| Parking brake  |     | Automatic negative parking brake                       |
| Service brake  |     | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics   |     |  |
| Hydraulic pump type  |     | Variable displacement pump                             |
| Hydraulic flow - Pressure  |     | 200 l/min - 270 bar                                    |
| Flow sharing distributor   |     | Standard   |
| Tank capacities  |     |  |
| Hydraulic tank capacity  |     | 180 l  |
| Fuel tank  |     | 142 l  |
| Noise and vibration  |     |  |
| Noise at driving position (LpA) tested following NF EN 12053 nom |     | 69 dB  |
| Noise to environment (LwA)                                       |     | 105 dB   |
| Vibration on hands/arms  |     | < 2.50 m/s <sup>2</sup>                                |
| Miscellaneous  |     |  |
| Tractor homologation   |     | Tractor homologation                                   |
| Safety cab homologation  |     | Cabin ROPS - FOPS level 2                              |
| Controls   |     | JSM  |

## Optional tires tab

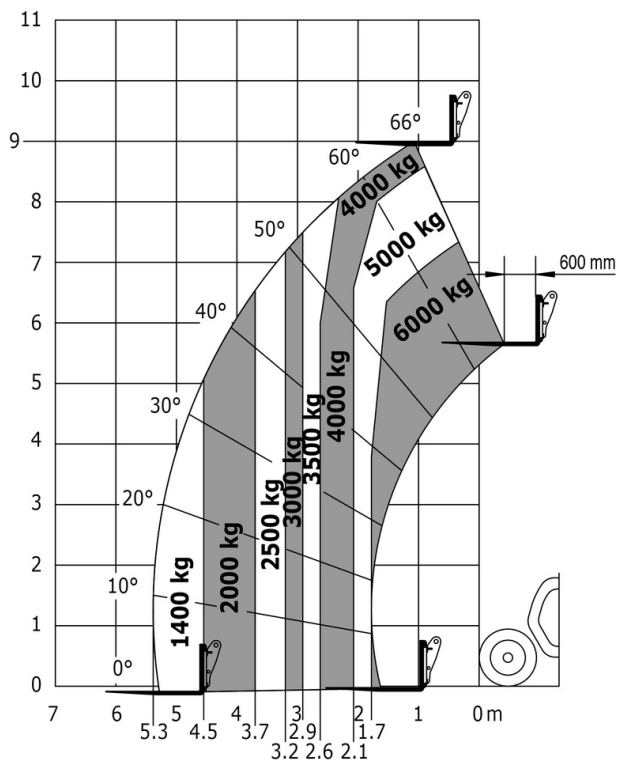
|  | Overall height | Overall width |
|--|----------------|---------------|
| ALLIANCE - A580 - 500/70 R24             | -              | -             |
| ALLIANCE - EM L-3/E3 - 17.5 R25          | -              | -             |
| MICHELIN - BIBLOAD - 500/70 R24 164A8    | -              | -             |
| MICHELIN - XHA - 17.5 R25                | -              | -             |
| MICHELIN - XMCL - 500/70 R24 164A8       | -              | -             |
| MITAS - EM60 - 17.5 R25                  | -              | -             |
| NOKIAN - TRI STEEL - 500/70 R24 164A8    | -              | -             |
| SOLIDEAL - SOLIDAIR TLH - 14.00 R24      | -              | -             |
| TRELLEBORG - TH400 - 500/70 R24 164A8    | -              | -             |
| VREDESTEIN - ENDURION - 500/70 R24 164A8 | -              | -             |

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



MLT-X 961-160 V+ L - Load chart

Machine on tires with forks Metric





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