

Technical sheet :

# **MHT-X 10135 ST3A**

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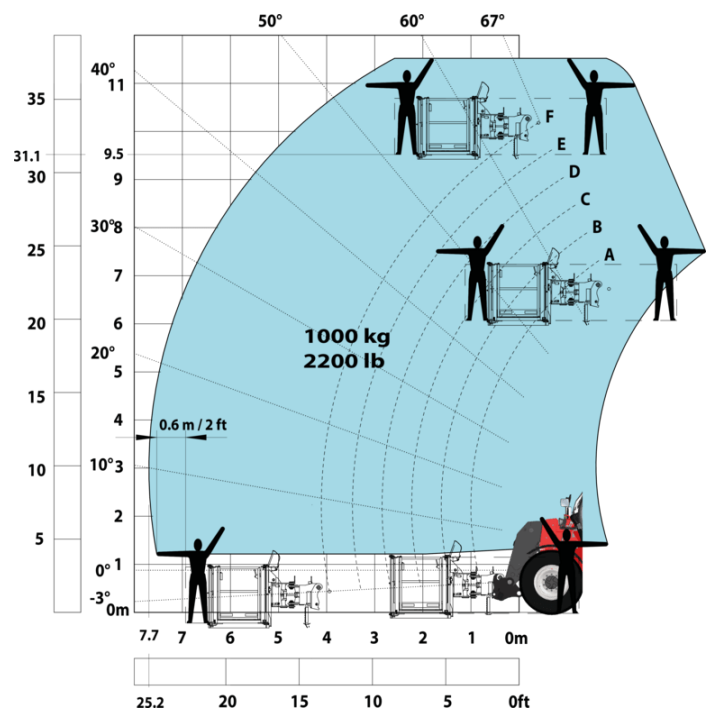


 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                  |           | Metric   |
|---|-----------|--|
| Max. capacity                               |           | 13500 kg   |
| Load center of gravity                      | c         | 600 mm   |
| Max. lifting height                         |           | 9.60 m   |
| Max. outreach                               |           | 5.20 m   |
| Weight and dimensions                       |           |  |
| Overall length                              | l1        | 7.35 m   |
| Unladen weight (with forks)                 |           | 19900 kg   |
| Ground clearance                            | m4        | 0.43 m   |
| Wheelbase                                   | y         | 3.37 m   |
| Length to face of forks                     | l2        | 6.15 m   |
| Overall width                               | b1        | 2.54 m   |
| Overall height                              | h17       | 2.99 m   |
| Overall cab width                           | b4        | 0.95 m   |
| Tilt-down angle                             | a5        | 104 °  |
| Tilt-up angle                               | a4        | 12 °   |
| External turning radius (over tyres)        | Wa1       | 5.35 m   |
| Forks length / width / section              | l / e / s | 1200 mm x 180 mm / 75 mm                               |
| Frame leveling corrector                    | a9        | 9 °  |
| Wheels                                      |           |  |
| Standard tires                              |           | 17,5-R25   |
| Number of front wheels / rear wheels        |           | 2 / 2  |
| Drive wheels (front / rear)                 |           | 2 / 2  |
| Steering mode                               |           | 2 wheel steer, 4 wheel steer, Crab mode                |
| Engine                                      |           |  |
| Engine brand                                |           | Yanmar   |
| Engine norm                                 |           | Stage IIIA   |
| Engine model                                |           | 4TN107TF6SMU1  |
| Number of cylinders / Capacity of cylinders |           | 4 - 4567 cm³   |
| I.C. Engine power rating / Power            |           | 173 Hp / 127 kW  |
| Max. torque / Engine rotation               |           | 805 Nm@1500 rpm  |
| Engine cooling system                       |           | Water  |
| Number of batteries                         |           | 2  |
| Battery voltage                             |           | 12 V   |
| Drawbar pull                                |           | 11770 daN  |
| Transmission                                |           |  |
| Transmission type                           |           | Hydrostatic  |
| Number of gears (forward / reverse)         |           | 2 / 2  |
| Max. travel speed                           |           | 30 km/h  |
| Parking brake                               |           | Automatic negative parking brake                       |
| Service brake                               |           | Oil-immersed multi-discs braking on front & rear axles |
| Gradeability (laden / unladen)              |           | 32.40 % / 55.40 %                                      |
| Hydraulics                                  |           |  |
| Hydraulic pump type                         |           | Variable displacement pump                             |
| Hydraulic flow - Pressure                   |           | 185 l/min - 350 bar                                    |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 13 l   |
| Hydraulic oil                               |           | 290 l  |
| Fuel tank                                   |           | 315 l  |
| Noise and vibration                         |           |  |
| Noise at driving position (LpA)             |           | 75 dB  |
| Noise to environment (LWA)                  |           | 108 dB   |
| Vibration on hands/arms                     |           | < 2.50 m/s²  |
| Miscellaneous                               |           |  |
| Safety cab homologation                     |           | ROPS - FOPS level 2 cab                                |
| Controls                                    |           | JSM  |
| Attachment recognition system (E-Reco)      |           | Standard   |

## MHT-X 10135 ST3A - Dimensional drawing





Machine on tyres with tyre handler TH 51 (Metric)



Machine on tyres with cylinder handler CH 4 (Metric)





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