

Technical sheet :

# MHT-X 12330



 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                  |           | Metric   |
|---|-----------|--|
| Max. capacity                               |           | 33000 kg   |
| Load center of gravity                      | c         | 1200 mm  |
| Max. lifting height                         |           | 11.92 m  |
| Max. outreach                               |           | 6.60 m   |
| Weight and dimensions                       |           |  |
| Overall length                              | l1        | 10.77 m  |
| Unladen weight (with forks)                 |           | 49000 kg   |
| Ground clearance                            | m4        | 0.59 m   |
| Wheelbase                                   | y         | 4.90 m   |
| Length to face of forks                     | l2        | 8.37 m   |
| Overall width                               | b1        | 2.98 m   |
| Overall height                              | h17       | 3.60 m   |
| Overall cab width                           | b4        | 0.97 m   |
| Tilt-down angle                             | a5        | 100 °  |
| Tilt-up angle                               | a4        | 10 °   |
| External turning radius (over tyres)        | Wa1       | 7.42 m   |
| Outer turning radius (with forks)           | b15       | 9.33 m   |
| Forks length / width / section              | l / e / s | 2400 mm x 250 mm / 110 mm                              |
| Frame leveling corrector                    | a9        | 6 °  |
| Wheels                                      |           |  |
| Standard tires                              |           | 21.00 R35  |
| 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                                |           | Deutz  |
| Engine norm                                 |           | Stage III / Tier 3                                     |
| Engine model                                |           | TCD 6.1 L6   |
| Number of cylinders / Capacity of cylinders |           | 6 - 6100 cm³   |
| I.C. Engine power rating / Power            |           | 245 Hp / 180 kW  |
| Max. torque / Engine rotation               |           | 1000 Nm@1450 rpm                                       |
| Engine cooling system                       |           | Water  |
| Number of batteries                         |           | 2  |
| Battery voltage                             |           | 12 V   |
| Drawbar pull                                |           | 28400 daN  |
| Transmission                                |           |  |
| Transmission type                           |           | Hydrostatic with Powershift                            |
| Number of gears (forward / reverse)         |           | 3 / 3  |
| Max. travel speed                           |           | 25 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                   |           | 310 l/min - 350 bar                                    |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 21 l   |
| Hydraulic oil                               |           | 570 l  |
| Fuel tank                                   |           | 600 l  |
| Noise and vibration                         |           |  |
| Noise at driving position (LpA)             |           | 80 dB  |
| Noise to environment (LWA)                  |           | 107 dB   |
| Vibration on hands/arms                     |           | < 0 m/s²   |
| Miscellaneous                               |           |  |
| Safety cab homologation                     |           | ROPS - FOPS level 2 cab                                |
| Controls                                    |           | JSM  |
| Attachment recognition system (E-Reco)      |           | Standard   |

## MHT-X 12330 - Dimensional drawing





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