

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-up angle   | a4        | 10 °   |
| Tilt-down angle   | a5        | 100 °  |
| 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 x 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 |
| Gradeability (laden)  |           | 36 %   |
| Hydraulics  |           |  |
| Hydraulic pump type   |           | Variable displacement pump                             |
| Hydraulic flow - Pressure   |           | 310 l/min - 350 bar                                    |
| Tank capacities   |           |  |
| Engine oil  |           | 21 l   |
| Fuel tank   |           | 600 l  |
| Noise and vibration   |           |  |
| Noise to environment (LwA)  |           | 110 dB   |
| Vibration on hands/arms   |           | < 2.50 m/s²  |
| Noise at driving position (LpA) tested following NF EN 12053 norm |           | 71 dB  |
| Miscellaneous   |           |  |
| Safety cab homologation   |           | Cabin ROPS - FOPS level 2                              |
| Controls  |           | JSM  |
| Attachment recognition system (E-Reco)                            |           | Standard   |

### MHT-X 12330 - Dimensional drawing





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