

Technical sheet :

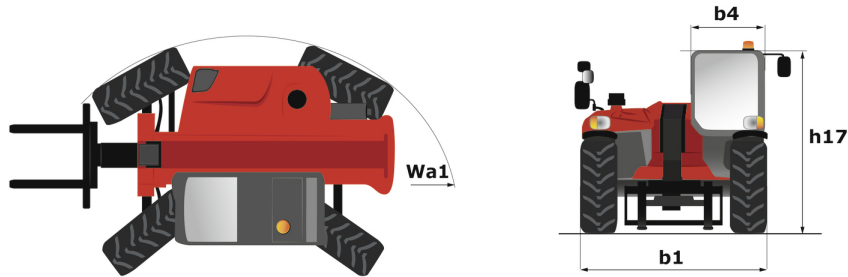
# MT-X 420 H



 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |           | Metric  |
|--|-----------|---|
| Max. capacity  |           | 2000 kg                                       |
| Max. lifting height  |           | 4.35 m  |
| Maximum outreach   |           | 2.65 m  |
| Breakout force with bucket                                       |           | 1886 daN                                      |
| Weight and dimensions  |           |   |
| Overall length to carriage                                       | l11       | 3.58 m  |
| Overall width  | b1        | 1.49 m  |
| Overall height   | h17       | 1.97 m  |
| Wheelbase  | y         | 2.13 m  |
| Ground clearance   | m4        | 0.24 m  |
| Overall cab width  | b4        | 0.79 m  |
| Tilt-up angle  | a4        | 12 °  |
| Tilt-down angle  | a5        | 116 °   |
| External turning radius (over tyres)                             | Wa1       | 2.98 m  |
| Unladen weight (with forks)                                      |           | 4190 kg                                       |
| Overall weight   |           | 4260 kg                                       |
| Tires type   |           | Pneumatic                                     |
| Forks length / width / section                                   | l / e / s | 1200 mm x 125 mm x 45 mm                      |
| Performances   |           |   |
| Lifting  |           | 5 s   |
| Lowering   |           | 3.50 s  |
| Extension  |           | 4.80 s  |
| Retraction   |           | 3 s   |
| Crowd  |           | 3.30 s  |
| Dump   |           | 2.70 s  |
| Engine   |           |   |
| Engine brand   |           | Kubota  |
| Engine norm  |           | Stage IIIA                                    |
| Max. fuel sulphur content  |           | 500 ppm                                       |
| Engine model   |           | V2607   |
| Number of cylinders / Capacity of cylinders                      |           | 4 - 2615 cm³                                  |
| I.C. Engine power rating - Power                                 |           | 49 Hp / 36 kW                                 |
| Max. torque / Engine rotation                                    |           | 170 Nm @ 1600 rpm                             |
| Drawbar pull (Laden)   |           | 2850 daN                                      |
| Transmission   |           |   |
| Transmission type  |           | Hydrostatic                                   |
| Number of gears (forward / reverse)                              |           | 2 / 2   |
| Max. travel speed  |           | 25 km/h                                       |
| Max. travel speed (may vary according to applicable regulations) |           | 25 km/h                                       |
| Parking brake  |           | Automatic Negative Hand-brake                 |
| Service brake  |           | Disk brake on the cadran shaft                |
| Hydraulics   |           |   |
| Hydraulic pump type  |           | Gear pump                                     |
| Hydraulic flow / Pressure  |           | 78 l/min-235 bar                              |
| Tank capacities  |           |   |
| Engine oil   |           | 10.20 l                                       |
| Hydraulic oil  |           | 70 l  |
| Fuel tank  |           | 60 l  |
| Noise and vibration  |           |   |
| Noise at driving position (LpA)                                  |           | 76 dB   |
| Noise to environment (LWA)                                       |           | 104 dB  |
| Vibration on hands/arms  |           | < 2.50 m/s²                                   |
| Miscellaneous  |           |   |
| Steering wheels (front / rear)                                   |           | 2 / 2   |
| Drive wheels (front / rear)                                      |           | 2 / 2   |
| Safety / Cab certification                                       |           | Standard EN 15000 / ROPS - FOPS cab (level 1) |
| Controls   |           | JSM   |

MT-X 420 H - Dimensional drawing



MT-X 420 H - Load chart

Machine on tires with forks Metric





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