

Technical sheet :

# MT 420 H

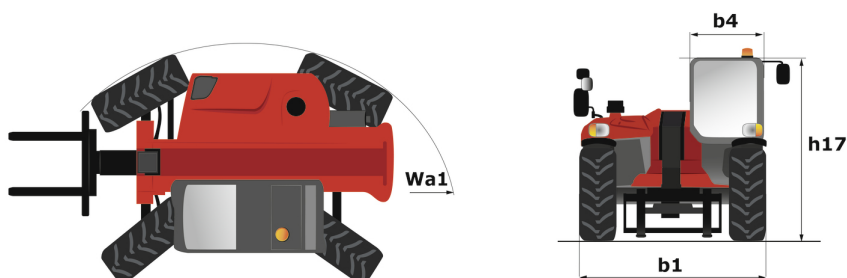
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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                  |           | Metric                                      |
|---|-----------|---|
| Max. capacity                               |           | 2000 kg                                     |
| Max. lifting height                         |           | 4.35 m                                      |
| Max. outreach                               |           | 2.65 m                                      |
| Breakout force with bucket                  |           | 1886 daN                                    |
| Weight and dimensions                       |           |   |
| Overall length to carriage                  | l11       | 3.64 m                                      |
| Length to face of forks                     | l2        | 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        | 0.80 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 / 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 V                                     |
| Engine model                                |           | 2607-CR-E5                                  |
| Number of cylinders / Capacity of cylinders |           | 4 - 2615 cm³                                |
| I.C. Engine power rating - Power            |           | 57 Hp / 42 kW                               |
| Max. torque / Engine rotation               |           | 174 Nm @ 1600 rpm                           |
| Drawbar pull (Laden)                        |           | 2850 daN                                    |
| Transmission                                |           |   |
| Transmission type                           |           | Hydrostatic                                 |
| Number of gears (forward / reverse)         |           | 2 / 2                                       |
| Max. travel speed                           |           | 24.90 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                   |           | 77.40 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 / Safety cab homologation            |           | Standard EN 15000 / ROPS - FOPS level 1 cab |
| Controls                                    |           | JSM   |

## MT 420 H - Dimensional drawing



MT 420 H - Load chart

Machine on tyres with forks Metric



**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)

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