

Technical sheet :

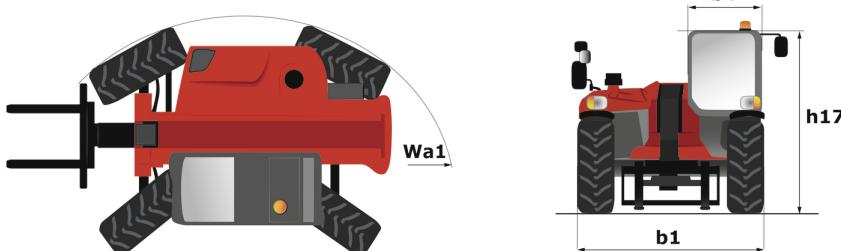
MT 420 H



 **MANITOU**
HANDLING YOUR WORLD

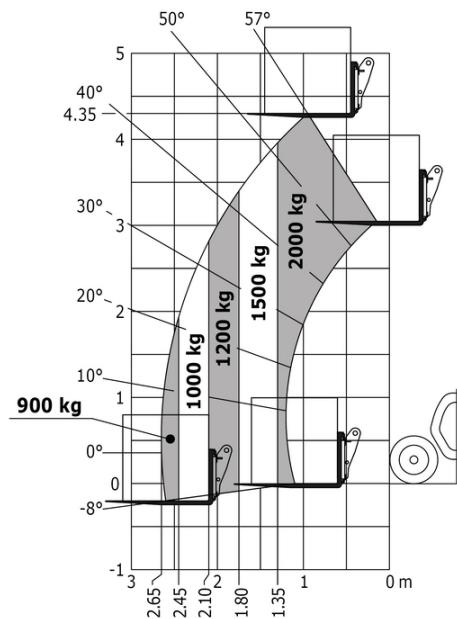
| Capacities | | Metric | |
|--|-----------|---|--|
| Max. capacity | | 2000 kg | |
| Max. lifting height | | 4.35 m | |
| Maximum outreach | | 2.65 m | |
| Breakout force with bucket | | 1886 daN | |
| Weight and dimensions | | | |
| Overall length to carriage | I11 | 3.64 m | |
| Length to face of forks | I2 | 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 | | Inflatable | |
| Forks length / width / section | I / 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 | |
| Crown | | 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 | |
| Engine power (Hp/kW) | | 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 | |
| Max. travel speed (may vary according to applicable regulations) | | 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-23 bar | |
| Tank capacities | | | |
| Engine oil | | 10.20 l | |
| Hydraulic oil | | 70 l | |
| Hydraulic tank capacity | | 10.20 l | |
| Fuel | | 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 420 H - Dimensional drawing



MT 420 H - Load chart

Machine on tires with forks Metric





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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



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