

Technical sheet :

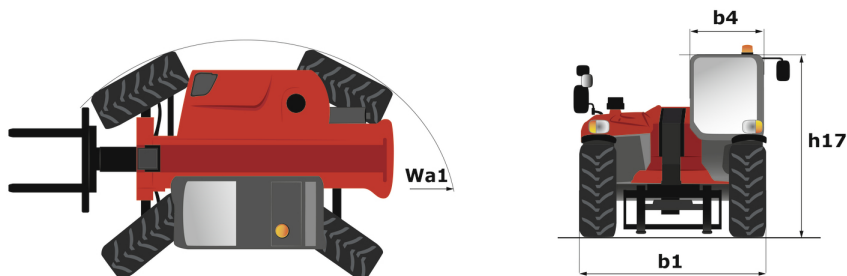
MT 420 H



 **MANITOU**
HANDLING YOUR WORLD

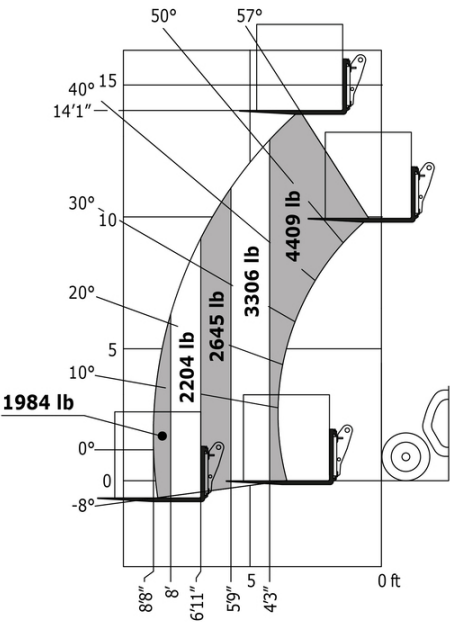
| Capacities | | Imperial |
|--|-----------|---|
| Max. capacity | | 4409 lb |
| Max. lifting height | | 14 ft 3 in |
| Maximum outreach | | 8 ft 8 in |
| Breakout force with bucket | | 1886 daN |
| Weight and dimensions | | |
| Overall length to carriage | l11 | 11 ft 11 in |
| Length to face of forks | l2 | 11 ft 9 in |
| Overall width | b1 | 4 ft 11 in |
| Overall height | h17 | 6 ft 6 in |
| Wheelbase | y | 7 ft |
| Ground clearance | m4 | 9 in |
| Overall cab width | b4 | 2 ft 7 in |
| Tilt-up angle | a4 | 12 ° |
| Tilt-down angle | a5 | 116 ° |
| External turning radius (over tyres) | Wa1 | 9 ft 9 in |
| Unladen weight (with forks) | | 9237 lb |
| Overall weight | | 9392 lb |
| Tires type | | Inflatable |
| Forks length / width / section | l / e / s | 47 in x 5 in x 2 in |
| 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 - 160 in ³ |
| Engine power (Hp/kW) | | 57 Hp / 42 kW |
| Max. torque / Engine rotation | | 128 ft/lbs @ 1600 rpm |
| Drawbar pull (Laden) | | 2850 daN |
| Transmission | | |
| Transmission type | | Hydrostatic |
| Number of gears (forward / reverse) | | 2 / 2 |
| Max. travel speed | | 15 mph |
| Max. travel speed (may vary according to applicable regulations) | | 15 mph |
| Parking brake | | Automatic Negative Hand-brake |
| Service brake | | Disk brake on the cadran shaft |
| Hydraulics | | |
| Hydraulic pump type | | Gear pump |
| Hydraulic flow / Pressure | | 20 US gpm-3408 PSI |
| Tank capacities | | |
| Engine oil | | 3 US gal |
| Hydraulic oil | | 18 US gal |
| Hydraulic tank capacity | | 3 US gal |
| Fuel | | 16 US gal |
| Noise and vibration | | |
| Noise at driving position (LpA) | | 76 dB |
| Noise to environment (LwA) | | 104 dB |
| Vibration on hands/arms | | 8 ft/s ² |
| 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 Imperial





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