

Technical sheet :

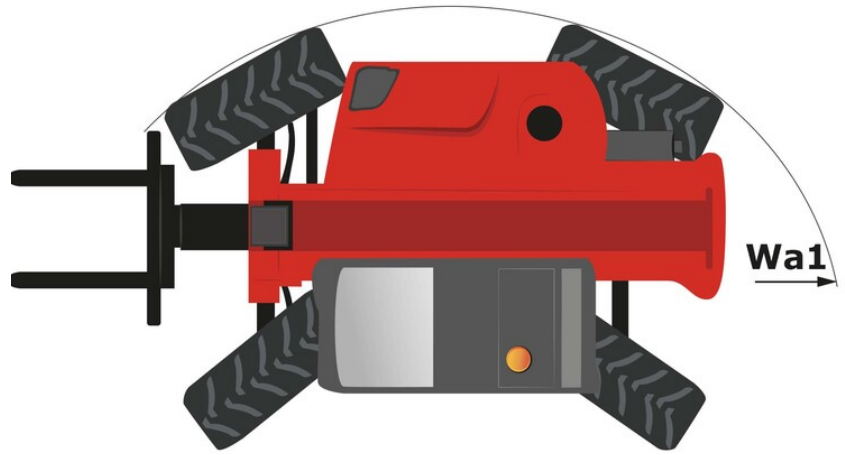
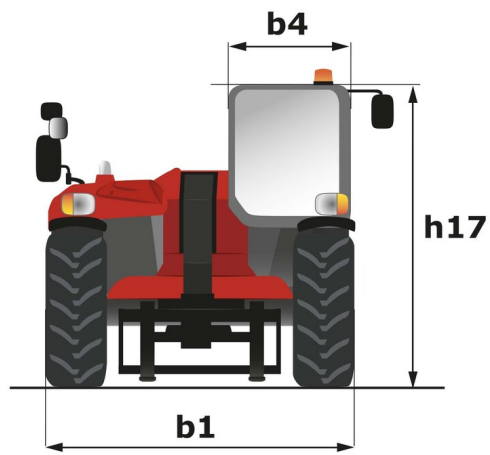
MLT 845-100 H



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric | Imperial |
|---|-----|---|---|
| Max. capacity | Q | 4500 kg | 9921 lb |
| Max. lifting height | h3 | 7.55 m | 24 ft 9 in |
| Max. outreach | | 4.57 m | 15 ft |
| Reach at max. height | | 1.55 m | 5 ft 1 in |
| Breakout force with bucket | | 6650 daN | 6650 daN |
| Weight and dimensions | | | |
| Unladen weight (with forks) | | 9080 kg | 20018 lb |
| Ground clearance | m4 | 0.45 m | 1 ft 6 in |
| Wheelbase | y | 2.77 m | 9 ft 1 in |
| Overall length to carriage (with hitch) | l11 | 5.22 m | 17 ft 2 in |
| Front overhang | | 1.39 m | 4 ft 7 in |
| Overall width | b1 | 2.42 m | 7 ft 11 in |
| Overall cab width | b4 | 0.95 m | 3 ft 1 in |
| Overall height | h17 | 2.58 m | 8 ft 6 in |
| Tilt-down angle | a5 | 130 ° | 130 ° |
| Tilt-up angle | a4 | 12 ° | 12 ° |
| External turning radius (over tyres) | Wa1 | 4.18 m | 13 ft 9 in |
| Standard tires | | Alliance - A580 - 460/70 R24 159A8 | Alliance - A580 - 460/70 R24 159A8 |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Performances | | | |
| Lifting | | 10 s | 10 s |
| Lowering | | 6.50 s | 6.50 s |
| Extension | | 12 s | 12 s |
| Retraction | | 9.50 s | 9.50 s |
| Crowd | | 4 s | 4 s |
| Dump | | 3 s | 3 s |
| Engine | | | |
| Engine brand | | Deutz | Deutz |
| Engine norm | | Stage IV | Stage IV |
| Engine model | | TCD 3.6 l | TCD 3.6 l |
| Number of cylinders - Capacity of cylinders | | 4 - 3600 cm³ | 4 - 220 in³ |
| I.C. Engine power rating / Power | | 101 Hp / 74.40 kW | 101 Hp / 74.40 kW |
| Max. torque / Engine rotation | | 410 Nm @1600 rpm | 302 ft/lbs @1600 rpm |
| Drawbar pull (Laden) | | 8460 daN | 8460 daN |
| Reversible fan | | Standard | Standard |
| Engine cooling system | | 3 radiators water + intercooler + hydraulic oil | 3 radiators water + intercooler + hydraulic oil |
| Transmission | | | |
| Transmission type | | Hydrostatic | Hydrostatic |
| Max. travel speed (may vary according to applicable regulations) | | 28 km/h | 17 mph |
| Differential lock | | Limited slip differential on front axle | Limited slip differential on front axle |
| Parking brake | | Automatic negative parking brake | Automatic negative parking brake |
| Service brake | | Oil-immersed multi-discs on front & rear axles | Oil-immersed multi-discs on front & rear axles |
| Hydraulics | | | |
| Hydraulic pump type | | Variable displacement pump | Variable displacement pump |
| Hydraulic flow - Pressure | | 150 l/min - 270 bar | 40 US gpm - 3916 PSI |
| Flow sharing distributor | | Standard | Standard |
| Tank capacities | | | |
| Hydraulic oil | | 131 l | 35 US gal |
| Fuel tank | | 135 l | 36 US gal |
| Diesel Exhaust fluid (AdBlue® type) | | 10 l | 3 US gal |
| Noise and vibration | | | |
| Noise at driving position (LpA) tested following NF EN 12053 norm | | 79 dB | 79 dB |
| Noise to environment (LwA) | | 103 dB | 103 dB |
| Vibration to whole hand/arm | | < 2.50 m/s² | < 2.50 m/s² |
| Miscellaneous | | | |
| Tractor homologation | | | |
| Safety cab homologation | | ROPS - FOPS level 2 cab | ROPS - FOPS level 2 cab |
| Controls | | JSM | JSM |

MLT 845-100 H - Dimensional drawing





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