

Technical sheet :

# MLA 4-50 H

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |     | Metric   |
|--|-----|--|
| Static tipping load with bucket (straight)                                   |     | 1540 kg  |
| Static tipping load with bucket (full turn)                                  |     | 1355 kg  |
| Static tipping load with forks (straight)                                    |     | 1175 kg  |
| Static tipping load with forks (full turn)                                   |     | 1030 kg  |
| Max. height of bucket pivot point  | h35 | 2836 mm  |
| Weight and dimensions  |     |  |
| Unladen weight (with forks) with 4-post canopy                               |     | 2316 kg  |
| Wheelbase  | y   | 1650 mm  |
| Overall cab width  | b4  | 991 mm   |
| Overall height with 4 posts canopy   | h38 | 2258 mm  |
| Dump reach - Full height   | r6  | 479 mm   |
| Hood Height  | h40 | 1405 mm  |
| Overall Operating Height - Fully Raised                                      | h27 | 3636 mm  |
| Articulation angle   | a19 | 45 °   |
| Maximum oscillation angle  |     | 11 °   |
| Overall length with bucket   | l16 | 4279 mm  |
| Overall width less bucket  | b1  | 1100 mm  |
| Overall length - Less Bucket   | l2  | 3583 mm  |
| Rear overhang  | c6  | 1120 mm  |
| Dump angle - Fully raised  | a5  | 42 °   |
| Dump Height - Fully Raised   | h29 | 2126 mm  |
| Maximum Rollback Angle - Fully Raised  | a4  | 48 °   |
| Digging Position   | h32 | -79 mm   |
| Ground clearance   | m4  | 320 mm   |
| Clearance Radius - Front with Bucket   | b18 | 3246 mm  |
| Clearance Radius - Less bucket   | b14 | 2767 mm  |
| Ground Plane to Bucket Edge Height   | h42 | 2655 mm  |
| Tread width (wheel center)   | b29 | 836 mm   |
| Attachment Pivot Clearance   |     | 103 mm   |
| Height from ground to axle center  | m8  | 214 mm   |
| Bucket Width   | e1  | 1520 mm  |
| Front Wheel Center to Pivot Pin  | m3  | 669 mm   |
| Height to Hinge Pin - Fully Raised   | h28 | 2900 mm  |
| Engine   |     |  |
| Engine brand   |     | Perkins  |
| Engine model   |     | 403J-E17T  |
| Engine nom   |     | Stage V  |
| Number of cylinders  |     | 3  |
| I.C. Engine power rating / Power   |     | 48 Hp / 36 kW  |
| Max. torque / Engine rotation  |     | 166 Nm / 1600 rpm  |
| Engine cooling system  |     | Water  |
| Transmission   |     |  |
| Transmission type  |     | Hydrostatic  |
| Number of gears (forward / reverse)  |     | 2 / 2  |
| Max. travel speed (may vary according to applicable regulations)             |     | 20 km/h  |
| Max. travel speed (in option) (may vary according to applicable regulations) |     | 30 km/h  |
| Service brake  |     | Hydraulic drum brake on front axle, acting on all 4 wheels |
| Hydraulics   |     |  |
| Hydraulic pump type  |     | Gear pump  |
| Hydraulic flow - Pressure  |     | 60 l/min / 207 bar   |
| High-Flow Option (l/min)   |     | 60 l/min   |
| Tank capacities  |     |  |
| Hydraulic oil  |     | 48 l   |
| Fuel tank  |     | 45 l   |

### MLA 4-50 H - Dimensional drawing





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