

Technical sheet :

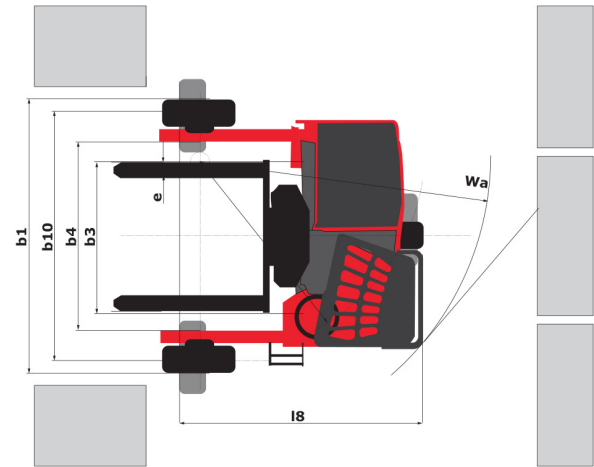
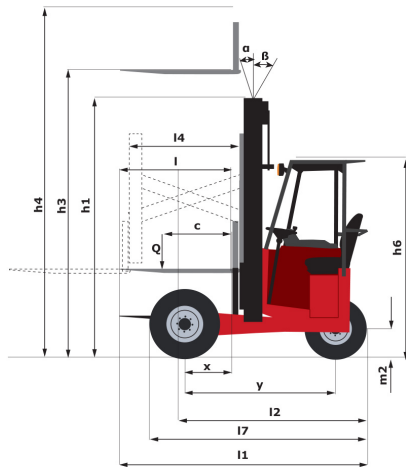
# ***TMM 25 ST5***

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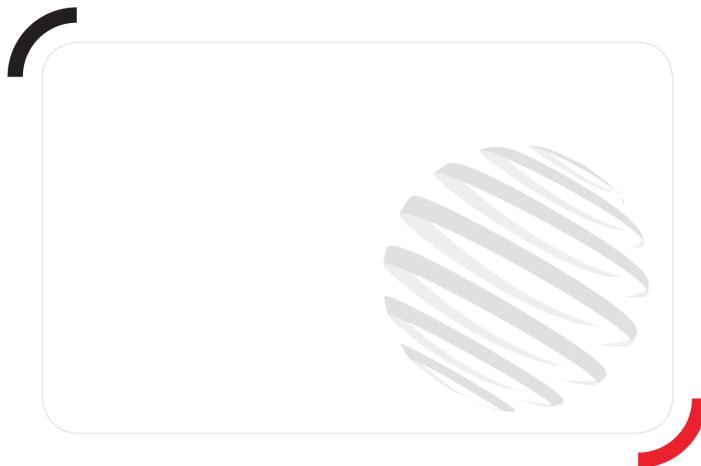
|       | Technical characteristics                               |           | Metric                               |
|-------|---------------------------------------------------------|-----------|--------------------------------------|
| 1.1   | Manufacturer                                            |           | MANITOU                              |
| 1.2   | Model Name                                              |           | TMM 25 ST5                           |
| 1.2.1 | Reach out equipment                                     |           | Pantograph                           |
| 1.3   | Power source                                            |           | Diesel                               |
| 1.4   | Operator type                                           |           | Seated                               |
| 1.5   | Max. capacity                                           | Q         | 2500 kg                              |
| 1.6   | Load centre of gravity                                  | c         | 500 mm                               |
| 1.8   | Load distance, centre of drive axle to fork             | x         | 500 mm                               |
| 1.9   | Wheelbase                                               | y         | 1598 mm                              |
|       | <b>Weight</b>                                           |           |                                      |
| 2.1   | Service Weight                                          |           | 2340 kg                              |
| 2.2   | Weight on front axle (laden) / rear axle (laden)        |           | 3585 kg / 1255 kg                    |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)    |           | 1085 kg / 1255 kg                    |
|       | <b>Wheels</b>                                           |           |                                      |
| 3.1   | Tyres type                                              |           | Pneumatic                            |
| 3.2   | Dimensions of front wheels                              |           | 27x10-12 IC30                        |
| 3.3   | Dimensions of rear wheels                               |           | 27x10-12 IC30                        |
| 3.5   | Number of front wheels / rear wheels                    |           | 2 / 1                                |
| 3.5.1 | Drive wheels (front / rear)                             |           | 2 / 1                                |
| 3.6   | Front wheel gauge                                       | b10       | 2151 mm                              |
|       | <b>Dimensions</b>                                       |           |                                      |
| 4.7   | Height of overhead guard (cabin)                        | h6        | 2120 mm                              |
| 4.8   | Seat height/stand height                                | h7        | 1070 mm                              |
| 4.19  | Overall length                                          | l1        | 2638 mm                              |
| 4.21  | Overall width                                           | b1        | 2406 mm                              |
| 4.22  | Forks section / width / length                          | s / e / l | 40 mm x 122 mm / 1200 mm             |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                 |           | 2A                                   |
| 4.24  | Fork carriage width                                     | b3        | 1260 mm                              |
| 4.25  | Distance between support arms                           | b5        | 1165 mm                              |
| 4.26  | Distance between wheel arms/loading surfaces            | b4        | 1600 mm                              |
| 4.32  | Ground clearance at centre of wheelbase                 | m2        | 272 mm                               |
| 4.28  | Max. Reach                                              | l4        | 1005 mm                              |
| 4.37  | Overall length (without forks)                          | l7        | 1438 mm                              |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways            | Ast       | 3363 mm                              |
| 4.35  | Turning radius                                          | Wa        | 2463 mm                              |
| 4.36  | Internal turning radius (over tyres)                    | b13       | 672 mm                               |
|       | <b>Performances</b>                                     |           |                                      |
| 5.1   | Travel speed (laden / unladen)                          |           | 10.6 km/h / 10.7 km/h                |
| 5.2   | Lifting speed (laden / unladen)                         |           | 0.26 m/s / 0.24 m/s                  |
| 5.3   | Lowering speed (laden / unladen)                        |           | 0.38 m/s / 0.21 m/s                  |
| 5.7   | Gradeability - laden / unladen                          |           | 50 % / 51 %                          |
| 5.9   | Service brake                                           |           | Hydraulic brakes by loss of pressure |
| 5.8   | Acceleration time laden / unladen                       |           | 4.1 s / 2.6 s                        |
| 5.11  | Transmission type                                       |           | Hydrostatic                          |
|       | <b>Engine</b>                                           |           |                                      |
| 7.1   | Engine brand / norm                                     |           | Kubota - Stage V                     |
| 7.4   | Number of cylinders / Capacity of cylinders             |           | 3 - 1123 cm³                         |
| 7.3   | Rated speed                                             |           | 3000 rpm                             |
| 7.2   | Engine power according to ISO 1585                      |           | 18.5 kW                              |
| 8.1   | Type of drive control                                   |           | Cable                                |
|       | Fuel consumption according to VDI cycle                 |           | 3.4 l/h                              |
|       | <b>Miscellaneous</b>                                    |           |                                      |
| 8.2   | Working hydraulic pressure for attachments              |           | 190 Bar                              |
| 8.3   | Oil flow rate for attachments                           |           | 43 l/min                             |
| 8.4   | Sound level at the driver's ear according to DIN 12 053 |           | 84 dB(A)                             |

## Dimensional drawing



## Characteristics of masts and residual capacities

|                                           |              | Full Visibility Duplex                         | FVD 30 | FVD 36 | FVD 39 |      |
|-------------------------------------------|--------------|------------------------------------------------|--------|--------|--------|------|
| Dual Capacity (Maximum Height & LC = 600) | Simple Reach | h1 - Height mast lowered *                     | mm     | 2392   | 2742   | 2892 |
|                                           |              | h3 - Lifting Height                            | mm     | 3000   | 3600   | 3900 |
|                                           |              | h4 - Height mast extended *                    | mm     | 4495   | 5095   | 5395 |
|                                           |              | Pantograph reach in                            | kg     | 2500   | 2500   | 2500 |
|                                           |              | Pantograph reach out with stabilizers          | kg     | 2000   | 1950   | 1900 |
|                                           |              | Pantograph reach out without stabilizers       | kg     | 1050   | 1000   | 950  |
|                                           | Double Reach | Telescopic forks reach in                      | kg     | 2500   | 2500   | 2500 |
|                                           |              | Telescopic Forks reach out with stabilizers    | kg     | 1350   | 1300   | 1300 |
|                                           |              | Telescopic Forks reach out without stabilizers | kg     | 1150   | 1100   | 1050 |
|                                           |              | Pantograph & TF reach in                       | kg     | 2500   | 2500   | 2500 |
|                                           |              | Pantograph & TF reach out with stabilizers     | kg     | 1100   | 1100   | 1100 |
|                                           |              | Pantograph & TF reach out without stabilizers  | kg     | 550    | 550    | 550  |



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