

Technical sheet :

# **TMM 25 4W ST5**

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| Technical characteristics |   | Metric    |                                      |
|---------------------------|---|-----------|--------------------------------------|
| 1.1                       | Manufacturer  |           | MANITOU                              |
| 1.2                       | Model Name  |           | TMM 25 4W 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 center of gravity                                  | c         | 500 mm                               |
| 1.8                       | Load distance, centre of drive axle to fork             | x         | 500 mm                               |
| 1.9                       | Wheelbase   | y         | 1598 mm                              |
| Weight                    |   |           |                                      |
|                           | Standard mast reference of the machine                  |           | FVD 30                               |
| 2.1                       | Service weight  |           | 2500 kg                              |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)        |           | 3715 kg / 1285 kg                    |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)    |           | 1215 kg / 1285 kg                    |
| Wheels                    |   |           |                                      |
| 3.1                       | Tires 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                                |
| 3.5.2                     | Drive wheels (front / rear)                             |           | 2 / 1                                |
| 3.6                       | Front wheel gauge                                       | b10       | 2143 mm                              |
| Dimensions                |   |           |                                      |
| 4.4                       | Max. lifting height                                     | h3        | 4200 mm                              |
| 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        | 2398 mm                              |
| 4.22                      | Forks section / width / length                          | s / e / l | 40 mm x 122 mm x 1200 mm             |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B                 |           | 2A                                   |
| 4.24                      | Fork carriage width                                     | b3        | 1260 mm                              |
| 4.26                      | Distance between support arms                           | b5        | 1165 mm                              |
| 4.26                      | Distance between wheel arms/loading surfaces            | b4        | 1492 mm                              |
| 4.28                      | Maximum horizontal extension at COG 600                 | l4        | 1000 mm                              |
| 4.34                      | Aisle width for 800 x 1200 pallet lengthways            | Ast       | 3363 mm                              |
| 4.35                      | Turning radius  | Wa        | 2463 mm                              |
| Performances              |   |           |                                      |
| 5.1                       | Travel speed (laden / unladen)                          |           | 10.60 km/h - 10.70 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 / 0.24 m/s                  |
| 5.7                       | Gradeability (laden / unladen)                          |           | 47 % / 48 %                          |
| 5.9                       | Acceleration time (laden / unladen)                     |           | 4.10 s / 2.60 s                      |
| 5.10                      | Service brake   |           | Hydraulic brakes by loss of pressure |
|                           | Transmission type                                       |           | Hydrostatic                          |
| Engine                    |   |           |                                      |
| 7.1                       | Engine brand / norm / model                             |           | Kubota - Stage V / D1105-E4B-MNT2    |
| 7.2                       | Engine power (Hp / kW)                                  |           | 25 Hp / 18.50 kW                     |
| 7.3                       | Rated speed   |           | 3000 rpm                             |
| 7.4                       | Number of cylinders / Capacity of cylinders             |           | 3 - 1123 cm³                         |
| Miscellaneous             |   |           |                                      |
| 8.1                       | Type of drive control                                   |           | Cable                                |
| 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                                |

### TMM 25 4W ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

| Residual Capacity (Maximum Height & LC = 600 mm) |  | Full Visibility Duplex (FVD) |  | FVD 30 | FVD 36 | FVD 42 |
|--|--|------------------------------|--|--------|--------|--------|
|  |  |                              |  |        |        |        |
| Simple Reach                                     | h1 - Mast lowered height                       | mm                           |  | 2392   | 2742   | 3092   |
|  | h3 - Mast lifting height                       | mm                           |  | 3000   | 3600   | 4200   |
|  | h4 - Mast extended height                      | mm                           |  | 4495   | 5095   | 5695   |
|  | Pantograph reach in                            | kg                           |  | 2500   | 2500   | 2500   |
|  | Pantograph reach out with stabilizers          | kg                           |  | 2050   | 2050   |        |
|  | Pantograph reach out without stabilizers       | kg                           |  | 1150   | 1100   |        |
|  | Telescopic forks reach in                      | kg                           |  | 2500   | 2500   |        |
|  | Telescopic Forks reach out with stabilizers    | kg                           |  | 1350   | 1300   |        |
|  | Telescopic Forks reach out without stabilizers | kg                           |  | 1200   | 1150   |        |
|  | Pantograph & TF reach in                       | kg                           |  | 2500   | 2500   |        |
| Double Reach                                     | Pantograph & TF reach out with stabilizers     | kg                           |  | 1100   | 1100   |        |
|  | Pantograph & TF reach out without stabilizers  | kg                           |  | 550    | 550    |        |



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