

Technical sheet :

# **TMM 25**

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| Technical characteristics |   |           | Metric                   | Imperial               |
|---------------------------|---|-----------|--------------------------|------------------------|
| 1.1                       | Manufacturer  |           | Manitou                  | Manitou                |
| 1.2                       | Model Name  |           | TMM 25                   | TMM 25                 |
| 1.2.1                     | Reach out equipment                                     |           | Pantograph               | Pantograph             |
| 1.3                       | Power source  |           | Diesel                   | Diesel                 |
| 1.4                       | Operator type   |           | Seated                   | Seated                 |
| 1.5                       | Max. capacity   | Q         | 2500 kg                  | 5512 lb                |
| 1.6                       | Load center of gravity                                  | c         | 600 mm                   | 24 in                  |
| 1.8                       | Load distance, centre of drive axle to fork             | x         | -500 mm                  | -20 in                 |
| 1.9                       | Wheelbase   | y         | 1598 mm                  | 63 in                  |
| Weight                    |   |           |                          |                        |
| 2.1                       | Service weight  |           | 2340 kg                  | 5159 lb                |
| Wheels                    |   |           |                          |                        |
| 3.1                       | Tires type  |           | Inflatable               | Inflatable             |
| 3.2                       | Dimensions of front wheels                              |           | 27x10-12 IC30            | 27x10-12 IC30          |
| 3.3                       | Dimensions of rear wheels                               |           | 27x10-12 IC30            | 27x10-12 IC30          |
| 3.5                       | Number of front wheels / rear wheels                    |           | 2 / 1                    | 2 / 1                  |
| 3.5.2                     | Drive wheels (front / rear)                             |           | 2 / 1                    | 2 / 1                  |
| 3.6                       | Front wheel gauge                                       | b10       | 2151 mm                  | 85 in                  |
| Dimensions                |   |           |                          |                        |
| 4.4                       | Max. lifting height                                     | h3        | 3900 mm                  | 154 in                 |
| 4.7                       | Height of overhead guard (cabin)                        | h6        | 2120 mm                  | 83 in                  |
| 4.19                      | Overall length  | l1        | 2638 mm                  | 104 in                 |
| 4.21                      | Overall width   | b1        | 2406 mm                  | 95 in                  |
| 4.22                      | Forks section / width / length                          | s / e / l | 40 mm x 125 mm x 1200 mm | 2 in x 5 in x 47 in    |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B                 |           | 2A                       | 2A                     |
| 4.24                      | Fork carriage width                                     | b3        | 1260 mm                  | 50 in                  |
| 4.26                      | Distance between wheel arms/loading surfaces            | b4        | 1600 mm                  | 63 in                  |
| 4.28                      | Maximum horizontal extension at COG 600                 | l4        | 1000 mm                  | 39 in                  |
| 4.32                      | Ground clearance at centre of wheelbase                 | m2        | 270 mm                   | 11 in                  |
| 4.35                      | Turning radius  | Wa        | 2463 mm                  | 97 in                  |
| Performances              |   |           |                          |                        |
| 5.1                       | Travel speed (laden / unladen)                          |           | 11.20 km/h - 11.20 km/h  | 7 mph - 7 mph          |
| 5.7                       | Gradeability (laden / unladen)                          |           | 43 % / 26 %              | 43 % / 26 %            |
| 5.10                      | Service brake   |           | Hydraulic                | Hydraulic              |
| 5.11                      | Transmission type                                       |           | Hydrostatic              | Hydrostatic            |
| Engine                    |   |           |                          |                        |
| 7.1                       | Engine brand  |           | Kubota                   | Kubota                 |
| 7.2                       | I.C. Engine power rating                                |           | 26.50 kW                 | 26.50 kW               |
| 7.3                       | Rated speed   |           | 3000 rpm                 | 3000 rpm               |
| 7.4                       | Number of cylinders / Capacity of cylinders             |           | 4 - 1498 cm <sup>3</sup> | 4 - 91 in <sup>3</sup> |
| Miscellaneous             |   |           |                          |                        |
| 8.2                       | Working hydraulic pressure for attachments              |           | 190 bar                  | 2756 PSI               |
| 8.3                       | Oil flow rate for attachments                           |           | 43 l/min                 | 11 US gpm              |
| 8.4                       | Sound level at the driver's ear according to DIN 12 053 |           | 84 dB                    | 84 dB                  |

### TMM 25 - Dimensional drawing



## Characteristics of masts and residual capacities

|  |              | Full Visibility Duplex (FVD)                   |         |              |              |              |
|--|--------------|--|---------|--------------|--------------|--------------|
|  |              | FVD 30   | FVD 36  | FVD 39       |              |              |
| Residual Capacity (Maximum Height & LC = 600 mm) | Simple Reach | h1 - Mast lowered height                       | in (mm) | 94.2 (2392)  | 108 (2742)   | 113.9 (2892) |
|  |              | h3 - Mast lifting height                       | in (mm) | 118.1 (3000) | 141.7 (3600) | 153.5 (3900) |
|  |              | h4 - Mast extended height                      | in (mm) | 177 (4495)   | 200.6 (5095) | 212.4 (5395) |
|  |              | Pantograph reach in                            | lb (kg) | 5512 (2500)  | 5512 (2500)  | 5512 (2500)  |
|  |              | Pantograph reach out with stabilizers          | lb (kg) | 4409 (2000)  | 4299 (1950)  | 4189 (1900)  |
|  |              | Pantograph reach out without stabilizers       | lb (kg) | 2315 (1050)  | 2205 (1000)  | 2094 (950)   |
|  | Double Reach | Telescopic forks reach in                      | lb (kg) | 5512 (2500)  | 5512 (2500)  | 5512 (2500)  |
|  |              | Telescopic Forks reach out with stabilizers    | lb (kg) | 2976 (1350)  | 2866 (1300)  | 2866 (1300)  |
|  |              | Telescopic Forks reach out without stabilizers | lb (kg) | 2535 (1150)  | 2425 (1100)  | 2315 (1050)  |
|  |              | Pantograph & TF reach in                       | lb (kg) | 5512 (2500)  | 5512 (2500)  | 5512 (2500)  |
|  |              | Pantograph & TF reach out with stabilizers     | lb (kg) | 2425 (1100)  | 2425 (1100)  | 2425 (1100)  |
|  |              | Pantograph & TF reach out without stabilizers  | lb (kg) | 1213 (550)   | 1213 (550)   | 1213 (550)   |



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