

Technical sheet :

# **M 26-2 D ST5**

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 **MANITOU**  
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| Technical characteristics |                                                         | Metric    |                           |
|---------------------------|---------------------------------------------------------|-----------|---------------------------|
| 1.1                       | Manufacturer                                            |           | MANITOU                   |
| 1.2                       | Model Name                                              |           | M 26-2 D ST5              |
| 1.3                       | Power source                                            |           | Diesel                    |
| 1.4                       | Operator type                                           |           | Seated                    |
| 1.5                       | Max. capacity                                           | Q         | 2600 kg                   |
| 1.6                       | Load center of gravity                                  | c         | 500 mm                    |
| 1.8                       | Load distance, centre of drive axle to fork             | x         | 747 mm                    |
| 1.9                       | Wheelbase                                               | y         | 1995 mm                   |
| Weight                    |                                                         |           |                           |
|                           | Standard mast reference of the machine                  |           | FVD 37                    |
| 2.1                       | Service weight                                          |           | 5590 kg                   |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)        |           | 6940 kg / 1250 kg         |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)    |           | 2530 kg / 3060 kg         |
| Wheels                    |                                                         |           |                           |
| 3.1                       | Tires type                                              |           | Pneumatic                 |
| 3.2                       | Dimensions of front wheels                              |           | 14,5R20 18PR MPT80        |
| 3.3                       | Dimensions of rear wheels                               |           | 10R17,5 G291 GY           |
| 3.5                       | Number of front wheels / rear wheels                    |           | 2 / 2                     |
| 3.5.2                     | Number of drive wheels                                  |           | 2                         |
| 3.6                       | Front wheel gauge                                       | b10       | 1550 mm                   |
| 3.7                       | Rear wheel gauge                                        | b11       | 1644 mm                   |
| Dimensions                |                                                         |           |                           |
| 4.7                       | Overall height of low overhead guard (Buggie version)   | h6        | 2450 mm                   |
| 4.8                       | Seat height/stand height                                | h7        | 1420 mm                   |
| 4.19                      | Overall length                                          | l1        | 4701 mm                   |
| 4.20                      | Length to face of forks                                 | l2        | 3501 mm                   |
| 4.21                      | Overall width                                           | b1        | 1923 mm                   |
| 4.22                      | Forks section x width x length                          | s / e / l | 40 mm x 125 mm / 1200 mm  |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B                 |           | 3A                        |
| 4.24                      | Fork carriage width                                     | b3        | 1470 mm                   |
| 4.31                      | Ground clearance below mast                             | m1        | 406 mm                    |
| 4.32                      | Ground clearance at centre of wheelbase                 | m2        | 390 mm                    |
| 4.33                      | Aisle width for 1000 x 1200 pallet widthways            | Ast       | 5360 mm                   |
| 4.34                      | Aisle width for 800 x 1200 pallet lengthways            | Ast       | 5360 mm                   |
| 4.35                      | Turning radius                                          | Wa        | 3220 mm                   |
| Performances              |                                                         |           |                           |
| 5.1                       | Travel speed (laden / unladen)                          |           | 22 km/h / 22 km/h         |
| 5.2                       | Lifting speed (laden / unladen)                         |           | 0.60 m/s / 0.60 m/s       |
| 5.3                       | Lowering speed (laden / unladen)                        |           | 0.40 m/s / 0.40 m/s       |
| 5.5                       | Drawbar pull (Laden / Unladen)                          |           | 5380 daN / 2260 daN       |
| 5.10                      | Service brake                                           |           | Hydraulic                 |
|                           | Transmission type                                       |           | Torque converter          |
| Engine                    |                                                         |           |                           |
| 7.1                       | Engine brand / model / norm                             |           | Deutz / TCD 2,9 / Stage V |
| 7.2                       | Engine power (Hp / kW)                                  |           | 75 Hp/55 kW               |
| 7.3                       | Rated speed                                             |           | 2300 rpm                  |
| 7.4                       | Number of cylinders / Capacity of cylinders             |           | 4 - 2925 cm³              |
| Miscellaneous             |                                                         |           |                           |
| 8.2                       | Working hydraulic pressure for attachments              |           | 185 bar                   |
| 8.3                       | Oil flow rate for attachments                           |           | 52 l/min                  |
| 8.4                       | Sound level at the driver's ear according to DIN 12 053 |           | 78 dB                     |

### M 26-2 D ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                              | FVD 37 | FVD 45 |
|-----------------------------------------------------------|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward               | 6      | 6      |
| $\beta$ - Mast/fork carriage tilt, backward               | 12     | 12     |
| h1 - Mast lowered height                                  | 2696   | 3136   |
| h3 - Mast lifting height                                  | 3700   | 4500   |
| h4 - Mast extended height                                 | 4626   | 5426   |
| Residual capacity at max height                           | 2600   | 2600   |
| Residual capacity with hooked-on side shift at max height | 2600   | 2600   |
| Height at max capacity                                    | 3700   | 4500   |
| Height at max capacity with hooked-on sideshift           | 3700   | 4500   |

| Free Lift Triplex (FLT)                     | FLT 43 | FLT 50 | FLT 65 |
|---------------------------------------------|--------|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward | 6      | 6      | 6      |
| $\beta$ - Mast/fork carriage tilt, backward | 12     | 12     | 12     |
| h1 - Mast lowered height                    | 2436   | 2696   | 3386   |
| h2 - Mast free lift                         | 1580   | 1840   | 2530   |
| h3 - Mast lifting height                    | 4300   | 5000   | 6500   |
| h4 - Mast extended height                   | 5234   | 5934   | 7434   |
| Height at max capacity                      | 2500   | 2500   | 2500   |

| Full Visibility Triplex (FVT)               | FVT 55 |
|---------------------------------------------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward | 6      |
| $\beta$ - Mast/fork carriage tilt, backward | 10     |
| h1 - Mast lowered height                    | 2966   |
| h3 - Mast lifting height                    | 5500   |
| h4 - Mast extended height                   | 6564   |
| Height at max capacity                      | 2500   |



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