

Technical sheet :

M 30-4 D ST5



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | Metric | |
|---------------------------|--|-----------|---------------------------|
| 1.1 | Manufacturer | | MANITOU |
| 1.2 | Model Name | | M 30-4 D ST5 |
| 1.3 | Power source | | Diesel |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 3000 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 | | 5965 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 7490 kg / 1475 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 2155 kg / 3810 kg |
| Wheels | | | |
| 3.1 | Tires type | | Pneumatic |
| 3.2 | Dimensions of front wheels | | 405/70-20 149B 1323 |
| 3.3 | Dimensions of rear wheels | | 10,5-18 12PR 1317 |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 4 |
| 3.6 | Front wheel gauge | b10 | 1520 mm |
| 3.7 | Rear wheel gauge | b11 | 1630 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) | h6 | 2458 mm / 2458 mm |
| 4.8 | Seat height/stand height | h7 | 1426 mm |
| 4.19 | Overall length | l1 | 4701 mm |
| 4.20 | Length to face of forks | l2 | 3501 mm |
| 4.21 | Overall width | b1 | 1927 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 | 399 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 395 mm |
| 4.33 | Aisle width for 1000 x 1200 pallet widthways | Ast | 6180 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 6180 mm |
| 4.35 | Turning radius | Wa | 4030 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 10 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) | | 6290 daN / 4250 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 | | 97 l/min |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 78 dB |

M 30-4 D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | FVD 37 | FVD 45 |
|---|--------|--------|
| α - Mast/fork carriage tilt, forward | 6 | 6 |
| β - Mast/fork carriage tilt, backward | 12 | 12 |
| h1 - Mast lowered height | 2689 | 3129 |
| h3 - Mast lifting height | 3700 | 4500 |
| Residual capacity at max height | 3000 | 3000 |
| Residual capacity with hooked-on side shift at max height | 3000 | 3000 |
| 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 |
|---|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | 12 | 12 | 12 |
| h1 - Mast lowered height | 2429 | 2689 | 3379 |
| h2 - Mast free lift | 1573 | 1833 | 2523 |
| h3 - Mast lifting height | 4300 | 5000 | 6500 |
| Residual capacity at max height | 3000 | | |
| Residual capacity with hooked-on side shift at max height | 3000 | 1600 | 500 |
| Height at max capacity | 4300 | 2500 | 2500 |
| Height at max capacity with hooked-on sideshift | 3000 | 4100 | 4300 |

| Full Visibility Triplex (FVT) | FVT 55 |
|---|--------|
| α - Mast/fork carriage tilt, forward | 6 |
| β - Mast/fork carriage tilt, backward | 10 |
| h1 - Mast lowered height | 2959 |
| h3 - Mast lifting height | 5500 |
| Residual capacity at max height | 2000 |
| Residual capacity with hooked-on side shift at max height | 1500 |
| Height at max capacity | 4200 |
| Height at max capacity with hooked-on sideshift | 4200 |

Equipment

| Optional |
|--------------------------------|
| Audio warning on reverse |
| Enclosed Cab with Heat and A/C |
| Front and Rear - Work Lights |
| Load backrest |
| Open cab |



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