

Technical sheet :

# M 30-4 ST5

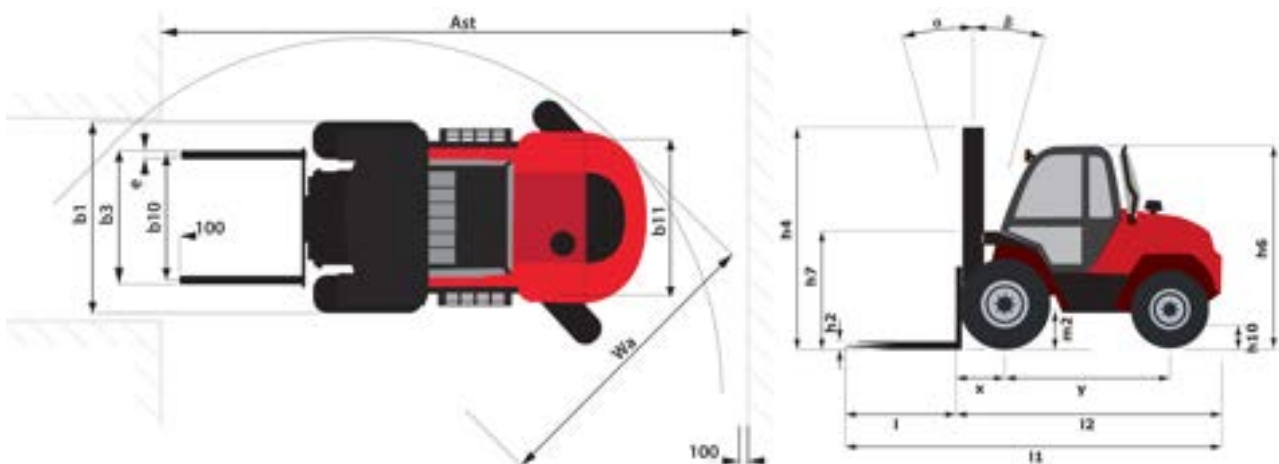
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 **MANITOU**  
HANDLING YOUR WORLD

|       | Technical characteristics  |           | Metric                   |
|-------|--|-----------|--------------------------|
| 1.1   | Manufacturer   |           | MANITOU                  |
| 1.2   | Model Name   |           | M 30-4 ST5               |
| 1.3   | Power source   |           | Diesel                   |
| 1.4   | Operator type  |           | Sitting                  |
| 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   |           |                          |
| 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 / 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                |
|       | Engine   |           |                          |
| 7.1   | Engine brand / model   |           | Deutz / TCD 2,9          |
| 7.2   | Engine power according to ISO 1585   |           | 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 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                              |    | FVD 37 | FVD 45 |
|---|----|--------|--------|
| Mast/fork carriage tilt, forward                          | °  | 6      | 6      |
| Mast/fork carriage tilt, backward                         | °  | 12     | 12     |
| h1 - Mast lowered height                                  | mm | 2689   | 3129   |
| h3 - Mast lifting height                                  | mm | 3700   | 4500   |
| h4 - Mast extended height                                 | mm | 4619   | 5419   |
| Residual capacity at max height                           | kg | 3000   | 3000   |
| Residual capacity with hooked-on side shift at max height | kg | 3000   | 3000   |
| Height at max capacity                                    | mm | 3700   | 4500   |
| Height at max capacity with hooked-on sideshift           | mm | 3700   | 4500   |

| Free Lift Triplex (FLT)                                   |    | FLT 43 | FLT 50 | FLT 65 |
|---|----|--------|--------|--------|
| Mast/fork carriage tilt, forward                          | °  | 6      | 6      | 6      |
| Mast/fork carriage tilt, backward                         | °  | 12     | 12     | 12     |
| h1 - Mast lowered height                                  | mm | 2429   | 2689   | 3379   |
| h2 - Mast free lift                                       | mm | 1573   | 1833   | 2523   |
| h3 - Mast lifting height                                  | mm | 4300   | 5000   | 6500   |
| h4 - Mast extended height                                 | mm | 5227   | 5927   | 7427   |
| Residual capacity at max height                           | kg | 3000   |        |        |
| Residual capacity with hooked-on side shift at max height | kg | 3000   | 1600   | 500    |
| Height at max capacity                                    | mm | 4300   | 2500   | 2500   |
| Height at max capacity with hooked-on sideshift           | mm | 3000   | 4100   | 4300   |

| Full Visibility Triplex (FVT)                             |    | FVT 55 |
|---|----|--------|
| Mast/fork carriage tilt, forward                          | °  | 6      |
| Mast/fork carriage tilt, backward                         | °  | 10     |
| h1 - Mast lowered height                                  | mm | 2959   |
| h3 - Mast lifting height                                  | mm | 5500   |
| h4 - Mast extended height                                 | mm | 6557   |
| Residual capacity at max height                           | kg | 2000   |
| Residual capacity with hooked-on side shift at max height | kg | 1500   |
| Height at max capacity                                    | mm | 4200   |
| Height at max capacity with hooked-on sideshift           | mm | 4200   |



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