

Technical sheet :

# M 30-4

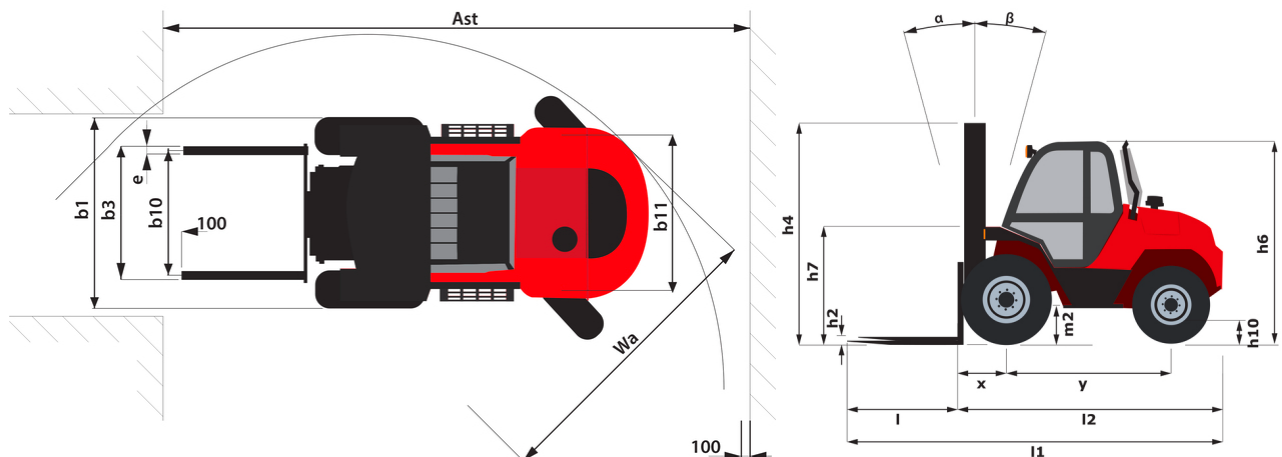
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 **MANITOU**  
HANDLING YOUR WORLD

|       | Technical characteristics                               |           | Metric                               |
|-------|---------------------------------------------------------|-----------|--------------------------------------|
| 1.1   | Manufacturer                                            |           | MANITOU                              |
| 1.2   | Model Name                                              |           | M 30-4                               |
| 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         | 2120 mm                              |
|       | Weight                                                  |           |                                      |
|       | Standard mast reference of the machine                  |           | FVD 37                               |
| 2.1   | Service weight                                          |           | 6032 kg                              |
| 2.2   | Weight on front axle (laden) / rear axle (laden)        |           | 7547 kg / 1485 kg                    |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)    |           | 2782 kg / 3250 kg                    |
|       | Wheels                                                  |           |                                      |
| 3.1   | Tires type                                              |           | Pneumatic                            |
| 3.2   | Dimensions of front wheels                              |           | 15.5/80 R24 16PR                     |
| 3.3   | Dimensions of rear wheels                               |           | 10.5-18 12PR I317 MPT TL             |
| 3.5   | Number of front wheels / rear wheels                    |           | 2 / 2                                |
| 3.5.2 | Number of drive wheels                                  |           | 4                                    |
| 3.6   | Front wheel gauge                                       | b10       | 1700 mm                              |
| 3.7   | Rear wheel gauge                                        | b11       | 1630 mm                              |
|       | Dimensions                                              |           |                                      |
| 4.7   | Height of overhead guard (cabin)                        | h6        | 2555 mm                              |
| 4.8   | Seat height/stand height                                | h7        | 1483 mm                              |
| 4.19  | Overall length                                          | l1        | 4699 mm                              |
| 4.20  | Length to face of forks                                 | l2        | 3499 mm                              |
| 4.21  | Overall width                                           | b1        | 2084 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                 |           | FEM 3A                               |
| 4.24  | Fork carriage width                                     | b3        | 1470 mm                              |
| 4.31  | Ground clearance below mast                             | m1        | 517 mm                               |
| 4.32  | Ground clearance at centre of wheelbase                 | m2        | 355 mm                               |
| 4.33  | Aisle width for 1000 x 1200 pallet widthways            | Ast       | 6047 mm                              |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways            | Ast       | 6247 mm                              |
| 4.35  | Turning radius                                          | Wa        | 4100 m                               |
|       | Performances                                            |           |                                      |
| 5.1   | Travel speed (laden / unladen)                          |           | 28.30 km/h / 28.30 km/h              |
| 5.2   | Lifting speed (laden / unladen)                         |           | 0.57 m/s / 0.57 m/s                  |
| 5.3   | Lowering speed (laden / unladen)                        |           | 0.49 m/s / 0.37 m/s                  |
| 5.5   | Drawbar pull (Laden)                                    |           | 13603 daN                            |
| 5.7   | Gradeability (laden / unladen)                          |           | 100 % / 90 %                         |
| 5.10  | Service brake                                           |           | Hydraulic brakes by loss of pressure |
|       | Transmission type                                       |           | Torque converter                     |
|       | Engine                                                  |           |                                      |
| 7.1   | Engine brand / model                                    |           | Deutz / TCD 2,9                      |
| 7.2   | Engine power (kW)                                       |           | 55 kW                                |
|       | Max. fuel sulphur content                               |           | 11.85 ppm                            |
| 7.3   | Rated speed                                             |           | 2300 rpm                             |
| 7.4   | Number of cylinders / Capacity of cylinders             |           | 4 - 2925 cm³                         |
| 7.5   | Fuel consumption according to VDI cycle                 |           | 4.47 l/h                             |
|       | Miscellaneous                                           |           |                                      |
| 8.2   | Working hydraulic pressure for attachments              |           | 210 bar                              |
| 8.3   | Oil flow rate for attachments                           |           | 67 l/min                             |
| 8.4   | Sound level at the driver's ear according to DIN 12 053 |           | 79.10 dB                             |

## M 30-4 - 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                                   | 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 heighth | 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 |
|------------------------------------------------------------|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                       | °  | 6      | 6      | 6      |
| β - 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 heighth | kg | 3000   | 1600   | 500    |
| Height at max capacity                                     | mm | 4300   |        |        |
| Height at max capacity with hooked-on sideshift            | mm | 4300   | 4100   | 4300   |

| Full Visibility Triplex (FVT)                              |    | FVT 55 | FVT 70 |
|------------------------------------------------------------|----|--------|--------|
| α - Mast/fork carriage tilt, forward                       | °  | 6      | 6      |
| β - Mast/fork carriage tilt, backward                      | °  | 12     | 12     |
| h1 - Mast lowered height                                   | mm | 2959   | 3629   |
| h3 - Mast lifting height                                   | mm | 5500   | 7000   |
| h4 - Mast extended height                                  | mm | 6557   | 8227   |
| Residual capacity at max height                            | kg | 2000   |        |
| Residual capacity with hooked-on side shift at max heighth | kg | 1500   |        |
| Height at max capacity                                     | mm | 4200   |        |
| Height at max capacity with hooked-on sideshift            | mm | 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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