Technical sheet :

## MC 30-2 ST5

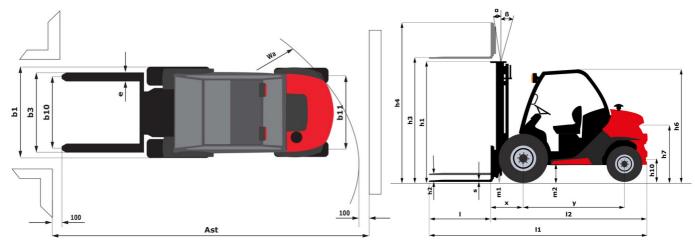




|       | Technical characteristics  |  |
|-------|--|--|
| 1.1   | Manufacturer   |  |
| 1.2   | Model Name   |  |
| 1.3   | Power source   |  |
| 1.4   | Operator type  |  |
| 1.5   | Max. capacity  |  |
| 1.6   | Load center of gravity   |  |
| 1.8   | Load distance, centre of drive axle to fork  |  |
| 1.9   | Wheelbase  |  |
|       | Weight   |  |
|       | Standard mast reference of the machine   |  |
| 2.1   | Service weight   |  |
| 2.2   | Weight on front axle (laden) / rear axle (laden)   |  |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)                                     |  |
| 2.0   | Wheels   |  |
| 3.1   | Tires type   |  |
| 3.2   | Dimensions of front wheels   |  |
| 3.3   | Dimensions of rear wheels  |  |
| 3.3   | Number of front wheels / rear wheels   |  |
|       |  |  |
| 3.5.2 | Number of drive wheels   |  |
| 3.6   | Front wheel gauge  |  |
| 3.7   | Rear wheel gauge   |  |
|       | Dimensions   |  |
| 4.7   | Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) |  |
| 4.8   | Seat height/stand height   |  |
| 4.19  | Overall length   |  |
| 4.20  | Length to face of forks  |  |
| 4.21  | Overall width  |  |
| 4.22  | Forks section x width x length   |  |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B  |  |
| 4.24  | Fork carriage width  |  |
| 4.31  | Ground clearance below mast  |  |
| 4.32  | Ground clearance at centre of wheelbase  |  |
| 4.33  | Aisle width for 1000 x 1200 pallet widthways   |  |
| 4.35  | Turning radius   |  |
|       | Performances   |  |
| 5.1   | Travel speed (laden / unladen)   |  |
| 5.2   | Lifting speed (laden / unladen)  |  |
| 5.3   | Lowering speed (laden / unladen)   |  |
| 5.5   | Drawbar pull (Laden / Unladen)   |  |
| 5.7   | Gradeability (laden / unladen)   |  |
| 5.10  | Service brake  |  |
|       | Transmission type  |  |
|       | Engine   |  |
| 7.1   | Engine brand / model / norm  |  |
| 7.2   | I.C. Engine power rating   |  |
| 7.3   | Rated speed  |  |
| 7.4   | Number of cylinders / Capacity of cylinders  |  |
|       | Miscellaneous  |  |
| 8.1   | Type of drive control  |  |
| 8.2   | Working hydraulic pressure for attachments   |  |
| 0.2   |  |  |
| 8.3   | Oil flow rate for attachments  |  |

| MC 30-2 ST 5 | Created on August 15, 2025 at 2:13 PM UTC           |
|--------------|---|
|              | Metric  |
|              | Manitou   |
|              | MC 30-2 ST5   |
|              | Diesel  |
|              | Seated  |
| Q            | 3000 kg   |
| С            | 500 mm  |
| x            | 626 mm  |
| у            | 1900 mm   |
|              |   |
|              | FVD 33  |
|              | 4220 kg   |
|              | 6570 kg / 650 kg                                    |
|              | 1570 kg / 2650 kg                                   |
|              |   |
|              | Pneumatic   |
|              | 12,5/80-18/12 SL R4                                 |
|              | 7,00-12/12 ED PLUS<br>2 / 2                         |
|              | 272   |
| b10          | 2<br>1159 mm  |
| b10          | 1176 mm   |
| DIT          | 1178 1111   |
| h6 / h6*     | 2155 mm / 1990 mm                                   |
| h7           | 1034 mm   |
| 1            | 4265 mm   |
| 12           | 3085 mm   |
| b1           | 1450 mm   |
| s / e / l    | 45 mm x 100 mm / 1200 mm                            |
|              | 3A  |
| b3           | 1260 mm   |
| m1           | 300 mm  |
| m2           | 320 mm  |
| Ast          | 4626 mm   |
| Wa           | 2650 mm   |
|              |   |
|              | 12 km/h / 24.50 km/h                                |
|              | 0.47 m/s / 0.46 m/s                                 |
|              | 0.50 m/s / 0.30 m/s                                 |
|              | 1700 daN / 910 daN                                  |
|              | 24 % / 22 %   |
|              | Hydraulic brakes by loss of pressure<br>Hydrostatic |
|              | Hydrostatic   |
|              | Kubota / D1803 CRT E5B / Stage V                    |
|              | 37 kW   |
|              | 2700 rpm  |
|              | 3 - 1826 cm³  |
|              |   |
|              | Electronic  |
|              | 220 bar   |
|              | 42 l/min  |
|              | 79 dB   |

## MC 30-2 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                              |    | FVD 33 | FVD 37 | FVD 45 |
|---|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward °                    |    | 12     | 12     | 12     |
| $\beta$ - Mast/fork carriage tilt, backward               | ۰  | 10     | 10     | 10     |
| h1 - Mast lowered height                                  | mm | 2338   | 2598   | 3038   |
| h2 - Mast free lift                                       | mm | 117    | 117    | 117    |
| h3 - Mast lifting height                                  | mm | 3300   | 3700   | 4500   |
| h4 - Mast extended height                                 | mm | 4090   | 4490   | 5290   |
| Residual capacity at max height                           | kg | 1400   | 1400   | 500    |
| Residual capacity with hooked-on side shift at max heigth | kg | 1400   | 1400   | 500    |
| Height at max capacity                                    | mm | 2700   | 2700   | 2800   |
| Height at max capacity with hooked-on sideshift           | mm | 2700   | 2700   | 2800   |

| Free Lift Triplex (FLT)                                   |    | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 |
|---|----|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                      | ۰  | 12     | 12     | 12     | 12     | 12     | 6      |
| $\beta$ - Mast/fork carriage tilt, backward               | ۰  | 10     | 10     | 10     | 10     | 10     | 6      |
| h1 - Mast lowered height                                  | mm | 1988   | 2088   | 2188   | 2338   | 2438   | 2788   |
| h2 - Mast free lift                                       | mm | 1235   | 1335   | 1435   | 1585   | 1685   | 2035   |
| h3 - Mast lifting height                                  | mm | 3400   | 3700   | 4000   | 4300   | 4700   | 5500   |
| h4 - Mast extended height                                 | mm | 4236   | 4536   | 4836   | 5136   | 5536   | 6336   |
| Residual capacity at max height                           | kg | 1900   | 1500   | 1300   | 1400   | 430    | 500    |
| Residual capacity with hooked-on side shift at max heigth | kg | 1800   | 1400   | 1250   |        | 400    | 400    |
| Height at max capacity                                    | mm | 2700   | 2600   | 2700   | 3100   | 2700   | 2500   |
| Height at max capacity with hooked-on sideshift           | mm | 2700   | 2600   | 2700   |        | 2700   | 2500   |

| Full Visibility Triplex (FVT)               |    | FVT 33 |
|---|----|--------|
| α - Mast/fork carriage tilt, forward        | ۰  | 12     |
| $\beta$ - Mast/fork carriage tilt, backward | ۰  | 10     |
| h1 - Mast lowered height                    | mm | 1878   |
| h2 - Mast free lift                         | mm | 129    |
| h3 - Mast lifting height                    | mm | 3300   |
| h4 - Mast extended height                   | mm | 4079   |
| Height at max capacity                      | mm | 2500   |



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