Technical sheet :



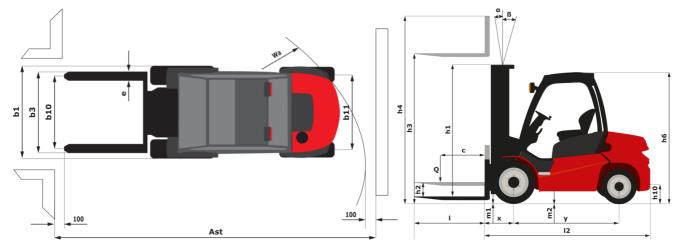




|        | Technical characteristics                                       |
|--------|---|
| 1      | Manufacturer  |
| 2      | Model Name  |
|        | Power source  |
| 1      | Operator type   |
| 5      | Max. capacity   |
|        | Load center of gravity  |
|        | Load distance, centre of drive axle to fork                     |
|        | Wheelbase   |
|        | Weight  |
|        | Service weight  |
|        | Weight on front axle (laden) / rear axle (laden)                |
|        | Weight on front axle (Unladen) / rear axle (Unladen)            |
|        | Wheels  |
|        | Tires type  |
|        | Dimensions of front wheels                                      |
|        | Dimensions of rear wheels                                       |
|        | Number of front wheels / rear wheels                            |
|        | Number of drive wheels  |
|        |   |
|        | Front wheel gauge   |
|        | Rear wheel gauge  |
|        | Dimensions  |
| ,<br>1 | Height of overhead guard (cabin)                                |
|        | Seat height/stand height  |
| )      | Overall length  |
| 0      | Length to face of forks   |
|        | Overall width   |
|        | Forks section / width / length                                  |
| 23     | Fork carriage ISO 2328 (class/form) A/B                         |
| 24     | Fork carriage width   |
| 1      | Ground clearance below mast                                     |
| 2      | Ground clearance at centre of wheelbase                         |
| 3      | Aisle Width for pallets 1000 x 1200 crossways                   |
|        | Turning radius  |
|        | Performances  |
| l i    | Travel speed (laden / unladen)                                  |
|        | Lifting speed (laden / unladen)                                 |
|        | Lowering speed (laden / unladen)                                |
|        | Drawbar pull (Laden / Unladen)                                  |
|        | Gradeability (laden / unladen)                                  |
|        | Service brake   |
|        | Engine  |
|        | Engine brand / model / norm                                     |
|        | I.C. Engine power rating  |
|        | Rated speed   |
|        | Number of cylinders / Capacity of cylinders                     |
|        | Miscellaneous   |
|        | Type of drive control   |
|        | Working hydraulic pressure for attachments                      |
|        | Oil flow rate for attachments                                   |
|        | Measured/guaranteed mean noise level at the ear of the operator |
|        | · ·   |
|        | Sound level at the driver's ear according to DIN 12 053         |

| MSI-X 35 | Created on August 1, 2025 at 6:09 PM UTC |
|----------|--|
|          | Metric                                   |
|          | Manitou                                  |
|          | MSI-X_35                                 |
|          | Diesel                                   |
|          | Seated                                   |
| Q        | 3500 kg                                  |
| С        | 500 mm                                   |
| x        | 631 mm                                   |
| у        | 1900 mm                                  |
|          |  |
|          | 4645 kg                                  |
|          | 7260 kg / 885 kg                         |
|          | 1680 kg / 2965 kg                        |
|          | Pneumatic                                |
|          | 300-15/18 6T P43                         |
|          | 7.00-12/12 ED PLUS                       |
|          | 2 / 2                                    |
|          | 2  |
| b10      | 1044 mm                                  |
| b11      | 1108 mm                                  |
| h6       | 2095 mm                                  |
| h7       | 972 mm                                   |
| 11       | 4239 mm                                  |
| 12       | 3189 mm                                  |
| b1       | 1330 mm                                  |
| s/e/l    | 50 mm x 122 mm x 1150 mm                 |
|          | 3A                                       |
| b3       | 1260 mm                                  |
| m1       | 260 mm                                   |
| m2       | 238 mm                                   |
| Ast      | 4661 mm                                  |
| Wa       | 2680 m                                   |
|          | 18 km/h-22 km/h                          |
|          | 0.50 m/s-0.50 m/s                        |
|          | 0.50 m/s-0.30 m/s                        |
|          | 2070 daN / 1380 daN                      |
|          | 26 % / 31 %                              |
|          | Hydraulic brakes by loss of pressure     |
|          | Kubota / V2403 / Stage IIIA              |
|          | 36 kW                                    |
|          | 2700 rpm                                 |
|          | 4 - 2434 cm <sup>3</sup>                 |
|          |  |
|          | Cable                                    |
|          | 180 bar                                  |
|          | 45 l/min                                 |
|          | < 80 dB                                  |
|          | 80 dB                                    |





## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                |    | FVD 30 | FVD 33 | FVD 37 | FVD 40 | FVD 45 |
|---|----|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward °      |    | 10     | 10     | 3500   | 10     | 10     |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | 12     | 12     | 3500   | 12     | 12     |
| h1 - Mast lowered height                    | mm | 2136   | 2286   | 2546   | 2736   | 2986   |
| h2 - Mast free lift                         | mm | 90     | 90     | 90     | 90     | 90     |
| h3 - Mast lifting height                    | mm | 3000   | 3300   | 3700   | 4000   | 4500   |
| h4 - Mast extended height                   | mm | 3738   | 4038   | 4438   | 4738   | 5238   |
| Residual capacity at max height             | kg | 3500   | 3500   |        |        |        |
| Height at max capacity                      | mm | 3000   | 3700   | 3700   | 2500   | 2500   |

| Free Lift Triplex (FLT)                     |    | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 | FLT 60 |
|---|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward °      |    | 10     | 10     | 10     | 10     | 10     | б      | 6      |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | 12     | 12     | 12     | 12     | 12     | 6      | 6      |
| h1 - Mast lowered height                    | mm | 1936   | 2036   | 2136   | 2286   | 2386   | 2736   | 2986   |
| h2 - Mast free lift                         | mm | 1208   | 1308   | 1408   | 1558   | 1658   | 2008   | 2258   |
| h3 - Mast lifting height                    | mm | 3400   | 3700   | 4000   | 4300   | 4700   | 5500   | 6000   |
| h4 - Mast extended height                   | mm | 4184   | 4484   | 4784   | 5084   | 5484   | 6284   | 6784   |
| Residual capacity at max height             | kg | 3500   |        |        |        |        |        |        |
| Height at max capacity                      | mm | 3400   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |

| Full Visibility Triplex (FVT)               |    | FVT 33 |
|---|----|--------|
| α - Mast/fork carriage tilt, forward        | ۰  | 10     |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | 12     |
| h1 - Mast lowered height                    | mm | 1826   |
| h2 - Mast free lift                         | mm | 82     |
| h3 - Mast lifting height                    | mm | 3300   |
| h4 - Mast extended height                   | mm | 4027   |
| Height at max capacity                      | mm | 2500   |



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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