

Technical sheet :

# **MI 25 D ST5 FOB**

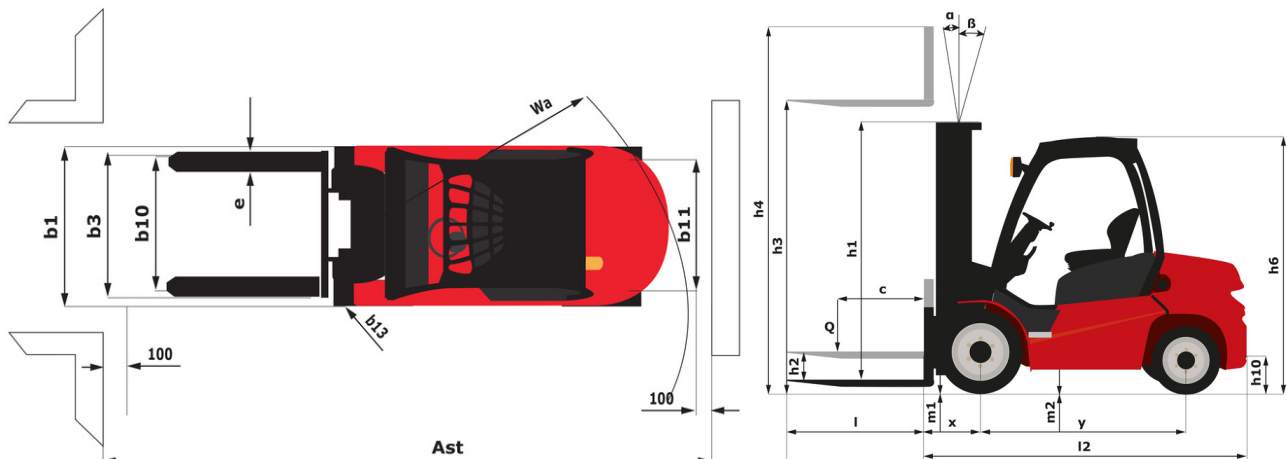
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 **MANITOU**  
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|       | Technical characteristics                                       |           | Metric                          |
|-------|-----------------------------------------------------------------|-----------|---------------------------------|
| 1.1   | Manufacturer                                                    |           | MANITOU                         |
| 1.2   | Model Name                                                      |           | MI 25 D ST5                     |
| 1.3   | Power source                                                    |           | Diesel                          |
| 1.4   | Operator type                                                   |           | Seated                          |
| 1.5   | Max. capacity                                                   | Q         | 2500 kg                         |
| 1.6   | Load center of gravity                                          | c         | 500 mm                          |
| 1.8   | Load distance, centre of drive axle to fork                     | x         | 465 mm                          |
| 1.9   | Wheelbase                                                       | y         | 1600 mm                         |
|       | Weight                                                          |           |                                 |
| 2.1   | Service weight                                                  |           | 4000 kg                         |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |           | 5735 kg / 765 kg                |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 1710 kg / 2290 kg               |
|       | Wheels                                                          |           |                                 |
| 3.1   | Tires type                                                      |           | Super Elastic                   |
| 3.2   | Dimensions of front wheels                                      |           | 7.00-12 12                      |
| 3.3   | Dimensions of rear wheels                                       |           | 6.00-9 10                       |
| 3.5   | Number of front wheels / rear wheels                            |           | 2 / 2                           |
| 3.5.2 | Number of drive wheels                                          |           | 2                               |
| 3.6   | Front wheel gauge                                               | b10       | 965 mm                          |
| 3.7   | Rear wheel gauge                                                | b11       | 973 mm                          |
|       | Dimensions                                                      |           |                                 |
| 4.7   | Height of overhead guard (cabin)                                | h6        | 2115 mm                         |
| 4.8   | Seat height/stand height                                        | h7        | 1190 mm                         |
| 4.12  | Height of towing bar (coupling height)                          | h10       | 360 mm                          |
| 4.19  | Overall length                                                  | l1        | 3685 mm                         |
| 4.20  | Length to face of forks                                         | l2        | 2535 mm                         |
| 4.21  | Overall width                                                   | b1        | 1155 mm                         |
| 4.21  | Overall width - Single wheels                                   | b1        | 1155 mm                         |
| 4.21  | Overall width - Twinned wheels                                  | b1        | 1595 mm                         |
| 4.22  | Forks section / width / length                                  | s / e / l | 40 mm x 122 mm x 1150 mm        |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                         |           | 2A                              |
| 4.24  | Fork carriage width                                             | b3        | 1038 mm                         |
| 4.31  | Ground clearance below mast                                     | m1        | 115 mm                          |
| 4.32  | Ground clearance at centre of wheelbase                         | m2        | 175 mm                          |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 3930 mm                         |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 4130 mm                         |
| 4.35  | Turning radius                                                  | Wa        | 2265 mm                         |
| 4.36  | Internal turning radius (over tyres)                            | b13       | 145 mm                          |
|       | Performances                                                    |           |                                 |
| 5.1   | Travel speed (laden / unladen)                                  |           | 18 km/h-18.50 km/h              |
| 5.2   | Lifting speed (laden / unladen)                                 |           | 0.60 m/s-0.65 m/s               |
| 5.3   | Lowering speed (laden / unladen)                                |           | 0.50 m/s-0.55 m/s               |
| 5.5   | Drawbar pull (Laden / Unladen)                                  |           | 1940 daN / 1240 daN             |
| 5.7   | Gradeability (laden / unladen)                                  |           | 20 % / 20 %                     |
| 5.10  | Service brake                                                   |           | Hydraulic                       |
|       | Engine                                                          |           |                                 |
| 7.1   | Engine brand / model / norm                                     |           | Kubota / V2607-CR-E5B / Stage V |
| 7.2   | I.C. Engine power rating                                        |           | 37.40 kW                        |
| 7.3   | Rated speed                                                     |           | 2400 rpm                        |
| 7.4   | Number of cylinders / Capacity of cylinders                     |           | 4 - 2615 cm³                    |
|       | Miscellaneous                                                   |           |                                 |
| 8.2   | Working hydraulic pressure for attachments                      |           | 160 bar                         |
| 8.3   | Oil flow rate for attachments                                   |           | 35 l/min                        |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator |           | < 84 dB                         |

## MI 25 D ST5 FOB - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                               |    | FVD 33 | FVD 37 | FVD 40 |
|------------------------------------------------------------|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                       | °  | 6      | 6      | 6      |
| β - Mast/fork carriage tilt, backward                      | °  | 12     | 12     | 12     |
| h1 - Mast lowered height                                   | mm | 2185   | 2435   | 2635   |
| h2 - Mast free lift                                        | mm | 140    | 140    | 140    |
| h3 - Mast lifting height                                   | mm | 3300   | 3700   | 4000   |
| h4 - Mast extended height                                  | mm | 3960   | 4360   | 4660   |
| Residual capacity at max height                            | kg | 2500   | 2500   | 2500   |
| Residual capacity with integrated side shift at max height | kg | 2500   | 2500   | 2500   |
| Height at max capacity                                     | mm | 3300   | 3700   | 4000   |
| Height at max capacity with integrated sideshift           | mm | 3300   | 3700   | 4000   |

| Free Lift Duplex (FLD)                                     |    | FLD 33 | FLD 37 | FLD 40 |
|------------------------------------------------------------|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                       | °  | 6      | 6      | 6      |
| β - Mast/fork carriage tilt, backward                      | °  | 12     | 12     | 12     |
| h1 - Mast lowered height                                   | mm | 2160   | 2360   | 2560   |
| h2 - Mast free lift                                        | mm | 1480   | 1680   | 1880   |
| h3 - Mast lifting height                                   | mm | 3300   | 3700   | 4000   |
| h4 - Mast extended height                                  | mm | 3980   | 4330   | 4680   |
| Residual capacity at max height                            | kg | 2500   | 2500   | 2500   |
| Residual capacity with integrated side shift at max height | kg | 2500   | 2500   | 2500   |
| Height at max capacity                                     | mm | 3300   | 3700   | 4000   |
| Height at max capacity with integrated sideshift           | mm | 3300   | 3700   | 4000   |

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