

Technical sheet :

# MI 25 D

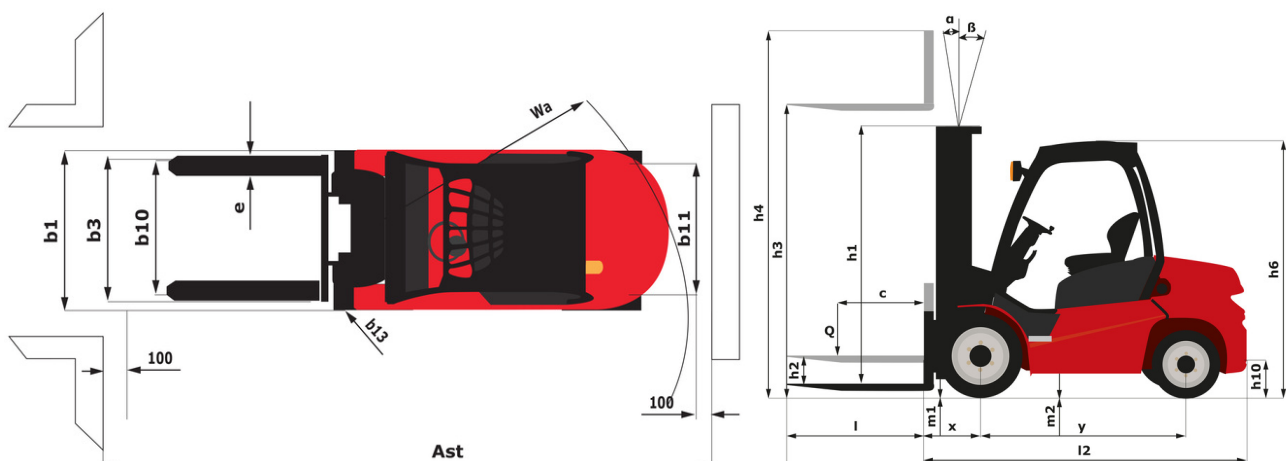
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 **MANITOU**  
HANDLING YOUR WORLD

|       | Technical characteristics                                       |           | Metric                    | Imperial               |
|-------|-----------------------------------------------------------------|-----------|---------------------------|------------------------|
| 1.1   | Manufacturer                                                    |           | Manitou                   | Manitou                |
| 1.2   | Model Name                                                      |           | MI 25 D                   | MI 25 D                |
| 1.3   | Power source                                                    |           | Diesel                    | Diesel                 |
| 1.4   | Operator type                                                   |           | Seated                    | Seated                 |
| 1.5   | Max. capacity                                                   | Q         | 2500 kg                   | 5512 lb                |
| 1.6   | Load center of gravity                                          | c         | 500 mm                    | 20 in                  |
| 1.8   | Load distance, centre of drive axle to fork                     | x         | 465 mm                    | 18 in                  |
| 1.9   | Wheelbase                                                       | y         | 1600 mm                   | 63 in                  |
|       | <b>Weight</b>                                                   |           |                           |                        |
| 2.1   | Service weight                                                  |           | 4000 kg                   | 8818 lb                |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |           | 5735 kg / 765 kg          | 12644 lb / 1687 lb     |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 1710 kg / 2290 kg         | 3770 lb / 5049 lb      |
|       | <b>Wheels</b>                                                   |           |                           |                        |
| 3.1   | Tires type                                                      |           | Solid tires               | Solid tires            |
| 3.2   | Dimensions of front wheels                                      |           | 7.00-12 12                | 7.00-12 12             |
| 3.3   | Dimensions of rear wheels                                       |           | 6.00-9 10                 | 6.00-9 10              |
| 3.5   | Number of front wheels / rear wheels                            |           | 2 / 2                     | 2 / 2                  |
| 3.5.2 | Number of drive wheels                                          |           | 2                         | 2                      |
| 3.6   | Front wheel gauge                                               | b10       | 965 mm                    | 38 in                  |
| 3.7   | Rear wheel gauge                                                | b11       | 973 mm                    | 38 in                  |
|       | <b>Dimensions</b>                                               |           |                           |                        |
| 4.7   | Height of overhead guard (cabin)                                | h6        | 2115 mm                   | 83 in                  |
| 4.8   | Seat height/stand height                                        | h7        | 1190 mm                   | 47 in                  |
| 4.12  | Height of towing bar (coupling height)                          | h10       | 360 mm                    | 14 in                  |
| 4.19  | Overall length                                                  | l1        | 3685 mm                   | 145 in                 |
| 4.20  | Length to face of forks                                         | l2        | 2535 mm                   | 100 in                 |
| 4.21  | Overall width                                                   | b1        | 1155 mm                   | 45 in                  |
| 4.21  | Overall width - Single wheels                                   | b1        | 1155 mm                   | 45 in                  |
| 4.22  | Forks section / width / length                                  | s / e / l | 40 mm x 1220 mm x 1150 mm | 2 in x 4 ft x 45 in    |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                         |           | 2A                        | 2A                     |
| 4.24  | Fork carriage width                                             | b3        | 1038 mm                   | 41 in                  |
| 4.31  | Ground clearance below mast                                     | m1        | 115 mm                    | 5 in                   |
| 4.32  | Ground clearance at centre of wheelbase                         | m2        | 175 mm                    | 7 in                   |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 3930 mm                   | 155 in                 |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 4130 mm                   | 163 in                 |
| 4.35  | Turning radius                                                  | Wa        | 2265 mm                   | 89 in                  |
| 4.36  | Internal turning radius (over tyres)                            | b13       | 145 mm                    | 6 in                   |
|       | <b>Performances</b>                                             |           |                           |                        |
| 5.1   | Travel speed (laden / unladen)                                  |           | 18 km/h-18.60 km/h        | 11 mph-12 mph          |
| 5.2   | Lifting speed (laden / unladen)                                 |           | 0.47 m/s-0.55 m/s         | 2 ft/s-2 ft/s          |
| 5.3   | Lowering speed (laden / unladen)                                |           | 0.50 m/s-0.55 m/s         | 2 ft/s-2 ft/s          |
| 5.5   | Drawbar pull (Laden / Unladen)                                  |           | 1730 daN / 1240 daN       | 1730 daN / 1240 daN    |
| 5.7   | Gradeability (laden / unladen)                                  |           | 20 % / 20 %               | 20 % / 20 %            |
| 5.10  | Service brake                                                   |           | Hydraulic                 | Hydraulic              |
|       | Transmission type                                               |           | Torque converter          | Torque converter       |
|       | <b>Engine</b>                                                   |           |                           |                        |
| 7.1   | Engine brand / model                                            |           | Yanmar / 4TBV94L-BXPHZ    | Yanmar / 4TBV94L-BXPHZ |
| 7.2   | I.C. Engine power rating                                        |           | 35 kW                     | 35 kW                  |
| 7.3   | Rated speed                                                     |           | 2400 rpm                  | 2400 rpm               |
| 7.4   | Number of cylinders / Capacity of cylinders                     |           | 4 - 3054 cm³              | 4 - 186 in³            |
|       | <b>Miscellaneous</b>                                            |           |                           |                        |
| 8.2   | Working hydraulic pressure for attachments                      |           | 160 bar                   | 2321 PSI               |
| 8.3   | Oil flow rate for attachments                                   |           | 69 l/min                  | 18 US gpm              |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator |           | < 84 dB                   | < 84 dB                |
| 8.4   | Sound level at the driver's ear according to DIN 12 053         |           | 84 dB                     | 84 dB                  |

## MI 25 D - Dimensional drawing



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