Technical sheet:

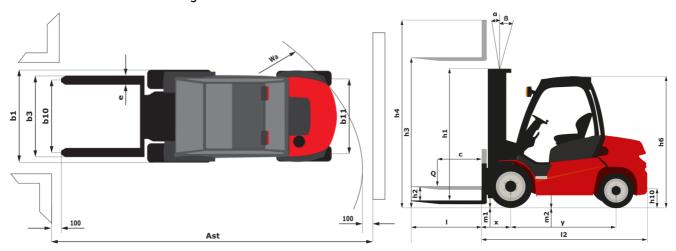
## **MSI-X 25**





|       |  | MSI-X 25 Created on November 1, 2025 at 1:26 AM UT |                                      |  |  |  |
|-------|--|--|--------------------------------------|--|--|--|
|       | Technical characteristics  |  | Metric                               |  |  |  |
| 1.1   | Manufacturer   |  | Manitou                              |  |  |  |
| 1.2   | Model Name   |  | MSI-X 25                             |  |  |  |
| 1.3   | Power source   |  | Diesel                               |  |  |  |
| 1.4   | Operator type  |  | Seated                               |  |  |  |
| 1.5   | Max. capacity  | Q  | 2500 kg                              |  |  |  |
| 1.6   | Load center of gravity   | С  | 500 mm                               |  |  |  |
| 1.8   | Load distance, centre of drive axle to fork  | X  | 621 mm                               |  |  |  |
| 1.9   | Wheelbase  | ٧  | 1900 mm                              |  |  |  |
|       | Weight   |  |                                      |  |  |  |
| 2.1   | Service weight   |  | 3875 kg                              |  |  |  |
| 2.2   | Weight on front axle (laden) / rear axle (laden)   |  | 5510 kg / 865 kg                     |  |  |  |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)   |  | 1533 kg / 2342 kg                    |  |  |  |
|       | Wheels   |  |                                      |  |  |  |
| 3.1   | Tires type   |  | Inflatable                           |  |  |  |
| 3.2   | Dimensions of front wheels   |  | 300-15/18 6T R43                     |  |  |  |
| 3.3   | Dimensions of rear wheels  |  | 7.00-12/12 ED PLUS                   |  |  |  |
| 3.5   | Number of front wheels / rear wheels   |  | 2/2                                  |  |  |  |
| 3.5.2 | Number of drive wheels   |  | 2                                    |  |  |  |
| 3.6   | Front wheel gauge  | b10  | 1044 mm                              |  |  |  |
| 3.7   |  |  | 1108 mm                              |  |  |  |
| 3.7   | Rear wheel gauge   | b11  | 1108 IIIII                           |  |  |  |
| 4.7   | Dimensions  Unitable for an about a series of the series o | h.c.   | 0005                                 |  |  |  |
| 4.7   | Height of overhead guard (cabin)   | h6   | 2095 mm                              |  |  |  |
| 4.8   | Seat height/stand height   | h7   | 972 mm                               |  |  |  |
| 4.19  | Overall length   | l1   | 4193 mm                              |  |  |  |
| 4.20  | Length to face of forks  | 12   | 3043 mm                              |  |  |  |
| 4.21  | Overall width  | b1   | 1330 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   | 1260 mm                              |  |  |  |
| 4.31  | Ground clearance below mast  | m1   | 260 mm                               |  |  |  |
| 4.32  | Ground clearance at centre of wheelbase  | m2   | 238 mm                               |  |  |  |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways  | Ast  | 4591 mm                              |  |  |  |
| 4.35  | Turning radius   | Wa   | 2620 mm                              |  |  |  |
|       | Performances   |  |                                      |  |  |  |
| 5.1   | Travel speed (laden / unladen)   |  | 18 km/h-22 km/h                      |  |  |  |
| 5.2   | Lifting speed (laden / unladen)  |  | 0.50 m/s-0.50 m/s                    |  |  |  |
| 5.3   | Lowering speed (laden / unladen)   |  | 0.50 m/s-0.30 m/s                    |  |  |  |
| 5.5   | Drawbar pull (Laden / Unladen)   |  | 2010 daN / 1250 daN                  |  |  |  |
| 5.7   | Gradeability (laden / unladen)   |  | 33 % / 34 %                          |  |  |  |
| 5.10  | Service brake  | <u></u>  | Hydraulic brakes by loss of pressure |  |  |  |
|       | Engine   |  |                                      |  |  |  |
| 7.1   | Engine brand / model / norm  |  | Kubota / V2403 / Stage IIIA          |  |  |  |
| 7.2   | Engine power (Hp / kW)   |  | 49 Hp/36 kW                          |  |  |  |
| 7.3   | Rated speed  |  | 2700 rpm                             |  |  |  |
| 7.4   | Number of cylinders / Capacity of cylinders  |  | 4 - 2434 cm³                         |  |  |  |
|       | Miscellaneous  |  |                                      |  |  |  |
| 8.1   | Type of drive control  |  | Cable                                |  |  |  |
| 8.2   | Working hydraulic pressure for attachments   |  | 180 bar                              |  |  |  |
| 8.3   | Oil flow rate for attachments  |  | 45 l/min                             |  |  |  |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator  |  | < 80 dB                              |  |  |  |
| 8.4   | Sound level at the driver's ear according to DIN 12 053  |  | 80 dB                                |  |  |  |

## MSI-X 25 - Dimensional drawing



## 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     | 10     | 10     | 10     |
| β - Mast/fork carriage tilt, backward  |    | 12     | 12     | 12     | 12     | 12     |
| h1 - Mast lowered height               | mm | 2136   | 2286   | 2546   | 2736   | 2986   |
| h2 - Mast free lift                    | mm | 85     | 85     | 85     | 85     | 85     |
| 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 | 2500   | 2500   |        |        |        |
| Height at max capacity                 | mm | 3000   | 3300   | 2500   | 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     | 6      | 6      |
| β - Mast/fork carriage tilt, backward  | ۰  | 12     | 12     | 12     | 12     | 12     | 6      | 6      |
| h1 - Mast lowered height               | mm | 1936   | 2036   | 2136   | 2286   | 2386   | 2736   | 2986   |
| h2 - Mast free lift                    | mm | 1183   | 1283   | 1383   | 1483   | 1633   | 1893   | 2083   |
| h3 - Mast lifting height               | mm | 3400   | 3700   | 4000   | 4300   | 4700   | 5500   | 6000   |
| h4 - Mast extended height              | mm | 4184   | 4484   | 4784   | 5116   | 5484   | 6356   | 6916   |
| Residual capacity at max height        | kg | 2500   | 2500   | 2500   | 2500   | 2500   |        |        |
| Height at max capacity                 | mm | 3400   | 3700   | 4000   | 4300   | 4700   | 2500   | 2500   |

| Full Visibility Triplex (FVT)         |    | FVT 33 |  |
|---------------------------------------|----|--------|--|
| α - Mast/fork carriage tilt, forward  | ۰  | 10     |  |
| β - Mast/fork carriage tilt, backward | ۰  | 12     |  |
| h1 - Mast lowered height              | mm | 1826   |  |
| h2 - Mast free lift                   | mm | 72     |  |
| h3 - Mast lifting height              | mm | 3300   |  |
| h4 - Mast extended height             | mm | 4027   |  |
| Height at max capacity                | mm | 2500   |  |





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